

State of Louisiana



J. M. MENEFEE
Commissioner

DEPARTMENT OF CONSERVATION
P. O. BOX 1767
LAKE CHARLES, LA 70601

*Returned Plats (11250, 5017)
now in I-2 sound
Returned 2nd time 5/11
UE 1000 4/3
247 Ac.*

Zimmer Petr. Co.

RE: WELL NAME & NUMBER: Dr. M.O. Miller No. 13
FIELD: Crab Lake
SERIAL NO.: 79019

Gentlemen:

Our records indicate that you have not submitted the following items to this office by the prescribed time:

- 1. Electric Logs (duplicate)
- 2. Well History & Work Resume Report (triplicate)
- 3. Completion or Recompletion Report (triplicate)
- 4. Plug & Abandon Report (triplicate)
- 5. Application to Plug & Abandon (Form DM-4R Rev.) (quadruplicate)
- 6. Casing Test
- 7. Apparent Deviation (Form A D) (triplicate)
- 8. Directional Survey (triplicate)
- 9. Order 29-F Acreage Assignment Plats (triplicate)

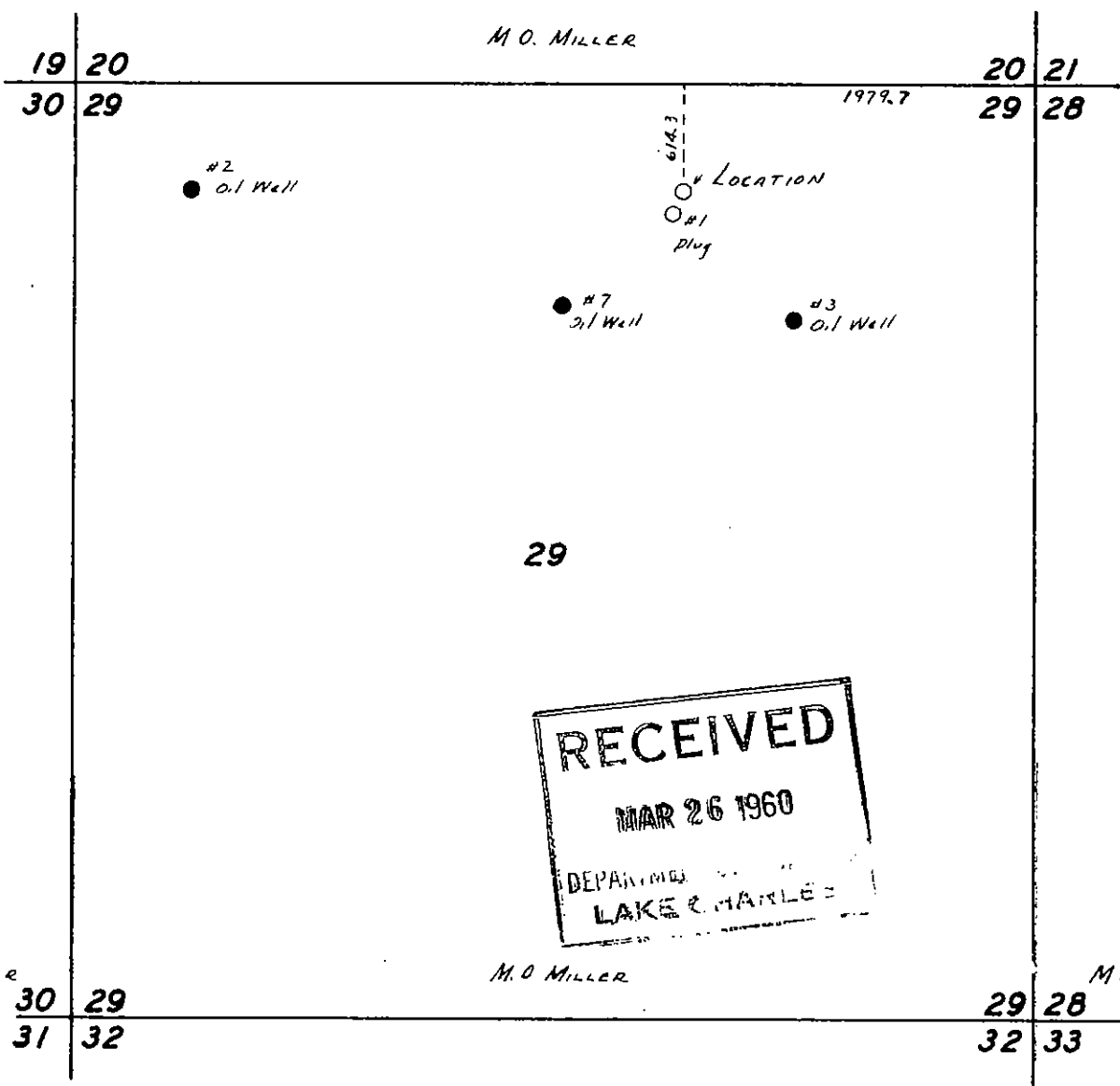
REMARKS... X *Purchasers gas nomination*

Please submit the above noted reports as soon as possible so that we may complete our files.

Yours very truly,
William C. Wilhite
W. C. WILHITE



#6 Dry
#5 Dry
#12 Oil Well



FOREST OIL CORP. #13 M.O. MILLER
WELL, BEING 614.3' S. OF N. LINE &
1979.7' W. OF E. LINE OF SEC. 29,
T15S, R5W, CAMERON PSH., LA.
1"=1000' 3-8-60

*Plotted
w*

G.K. Pratt, C.E.

F O R E S T O I L C O R P O R A T I O N



P.O. Box 1125, Oil Center Station Lafayette, Louisiana
March 25, 1960

Arsene Edwards
Department of Conservation
107 Shindler Building
1422 Rayn Street
Lake Charles, La.

Dear Sir:

The M. O. Miller #13 well is to be located 120' North of the M. O. Miller #1. The M. O. Miller #1 was drilled in 1953 and had a Bottom Hole Pressure in the "P" Sand (12,500') of 6600#. The M. O. Miller #7, 800' South West of the M. O. Miller #1, was drilled in 1954 with a Bottom Hole Pressure in the "P" Sand of 6450#.

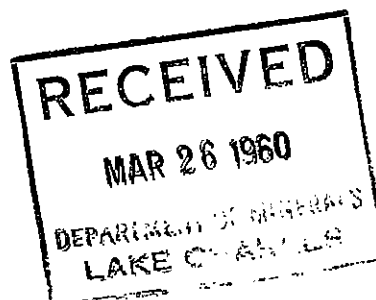
Our proposed casing program for the M. O. Miller #13 is 3500', 10 3/4" casing and 12,400' of 7" casing. The 7" casing to be set above the "P" Sand.

Yours truly,

John C. Willis

John C. Willis
District Prod. Supt.

JCW:jb



State of Louisiana
DEPARTMENT OF CONSERVATION
Inter Office

Date: March 28, 1960

To: Baton Rouge Office
From: Lake Charles District Office
Att'n: Mr. Thos. M. Winfield, Chief Eng.

Enclosed herewith please find application from Forest Oil Corporation
for permit to drill their _____
M. O. Miller No. 13 Well Zone: UPV Sand 12500'
Crab Lake Field, Cameron Parish.

Also enclosed please find:

Check No. Collection Draft in the amount of \$ 100.00

Well Location Plat X

Well Location Certification _____

Form A. D. C. _____

Electric Log _____

Schematic Diagram _____

Applicable Department of Conservation Order No. _____ Pending Hearing _____
Docket No. _____

Remarks & Recommendations: OPERATOR TO COMPLETE WELL IN CONFORMITY TO ORDER 29-E.

Yours very truly,

By: _____
District Manager
ARSENE P. EDWARDS

cc: Geological Survey

UT-1 APE:dm

OFFICE OF THE ATTORNEY GENERAL

STATE OF TEXAS

1900

TO THE HONORABLE THE COMMISSIONERS OF THE LAND OFFICE

RE: THE APPLICATION OF THE STATE OF TEXAS FOR A

REVISION OF THE PUBLIC LANDS

AND THE REVISION OF THE PUBLIC LANDS

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AND THE REVISION OF THE PUBLIC LANDS

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

AFFIDAVIT OF TEST OF CASING IN WELL

DATE WORK DONE 4-16-60

WORK PERMIT NO. 63601
WORK SERIAL NO. 79019

(One copy to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH CAMERON FIELD CRAB LAKE SEC 29 TWP 15S RGE 5W

COMPANY FOREST OIL CORP LEASE MILLER WELL NO 13

TOTAL DEPTH 3503'

SIZE OF CASING 10 3/4" IN. WT. PER FT. 40.5 # & 45 # MAKE J&L

NO. OF THREADS PER IN. 8R GRADE J SEAMLESS NEW 2ND

IF SECOND HAND, WAS PIPE TESTED _____ DESCRIBE _____

DEPTH LANDED BELOW DERRICK FLOOR 18' FT. SACKS OF CEMENT 1500 w 4 1/2 gal 8 1/4 STRATACRETE + 250 NEAT

SIZE OF HOLE 15" IN.: AMOUNT OF CEMENT LEFT IN PIPE 69'

METHOD OF CEMENTING HALLIBURTON CEMENT SET 8 HOURS UNDER 500 LBS.

PRESSURE _____ TOTAL TIME SET 36 HOURS

DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG

DATE OF TEST. 4-16-60 GAUGE PRESSURE OF CASING 1500 # LBS.

PRESSURE AT END OF 30 MINUTES 1500 # DROP _____ LBS.

TEST FLUID: WATER MUD _____ LBS. PER GAS: VISCOSITY _____

REMARKS: _____

RECEIVED
2 APR 20 1960
DEPARTMENT OF CONSERVATION
LAKE CHARLES DISTRICT OFFICE

Y
THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION, MINERALS DIVISION.

SIGNED FOREST OIL CORP
COMPANY

M.C. Vest
REPRESENTATIVE

WITNESS: _____

12/31/2011

12/31/2011

(10/10/2011)

12/31/2011

12/31/2011

12/31/2011

12/31/2011

12/31/2011

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12/31/2011

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

AFFIDAVIT OF TEST OF CASING IN WELL

DATE WORK DONE 5-23-60

WELL SERIAL NO. 79019

WORK PERMIT NO. 63601

LAKE CHARLES DISTRICT
(One copy to be filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field CRAB LAKE Parish CAMERON Sec. 29 Twp. 15 Rge. 5-W

Company FOREST OIL Lease DR. M. O. MILLER Well No. 13

Size of casing 7" Weight 32 # & 29 # Make J+L

No. of threads per in. 8+BUIT Grade N-80 Seamless New 2nd

If second hand, was pipe tested YES Describe TUBOSCOPE

Depth landed below derrick floor 17.70 Ft. Sacks of cement 1000

Size of hole 9 7/8 Ins. Amount of cement left in pipe 70

Method of cementing B. J. Cement set in 10 hrs., under 500 psig.

Total depth 12,420 Total time set hrs.

DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG

Date of test 5-23-60 Gauge pressure of casing 1500 psig.

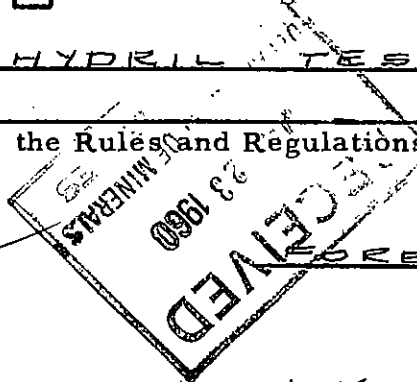
Pressure at end of 30 minutes 1500 Pressure drop 0 psig.

Test fluid: Water Mud Weight 12.9 Viscosity 49

Remarks: 2 REGS + HYDRIL TESTED @ 2500

This work was done according to the Rules and Regulations of the Department of Conservation

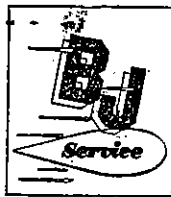
Sam J. Jones
WITNESS



FOREST OIL CORP
COMPANY

(Signed) M. C. West
REPRESENTATIVE

BJ SERVICE, INC.
CEMENTING OPERATIONS
JOB TICKET



DIVISION HOUSTON
DISTRICT LAKE CHARLES P 71456
DATE: 5/29/60
CUSTOMER ORDER NO.:

CUSTOMER FOREST OIL CORPORATION OWNER OF WELL SAME
MAIL INVOICE TO Box 1125 DCS WELL NO. 13 LEASE MO. MILLER
CITY LA FAYETTE STATE LA. FIELD CPAB LAKE COUNTY CAMERON
AUTHORIZED BY STATE LA.

Owner, Contractor, or his Agent submits the following data for the Service Job to be performed:

Type Job: C.S.P. Depth: 12416 Ft. CEMENT DATA: Bulk Sacks Bulk Ticket No. B 43880

Surface Intermediate Production Remedial Sacks Brand Type % Gel Admixes

Size Hole: 9 1/2 Depth: - Ft. 1000 ATLUS UNAPI

Size & Wt. Casing: 7" 32 New Used Depth: 12416 Ft.

Size & Wt. D. Pipe or Tubing: - Depth: - Ft.

Top Plugs: 1 Type: P.R.B.M.P. Weight of Slurry: 158 Lbs. Lbs. Lbs.

Bottom Plugs: - Type: - Volume of Slurry: 1170 Cu. Ft. Cu. Ft. Cu. Ft.

Leather Cups: - Rubber Discs: - Cement Treated With: -

Other: - Amount Treating Chemical: -

Type Head: S.P.C. Manifold: - Treated Cement: - Sacks.

Additional Instructions or Data:

CONTRACT CONDITIONS (This order must be signed before work is commenced):

To BJ Service, Inc.: The undersigned, as customer, has read the instructions set forth above and agrees that they are correct in all respects. The above job shall be under the general supervision and control of the owner, operator, or his agent, whose signature appears below; however, it is expressly understood and agreed that BJ Service, Inc., will perform the work as an independent contractor and not as an employee of the owner, operator, or his agent. It is understood and agreed that because of uncertain and/or unknown conditions existing in oil wells, BJ Service, Inc., does not guarantee the results of the work to be performed, customer will use all reasonable efforts to recover the said equipment, or reimburse BJ Service, Inc., for the reasonable value thereof. It is expressly understood and agreed that BJ Service, Inc., will not be bound by any agreement not herein contained, and no agent or representative employed directly or indirectly by BJ Service, Inc., has authority to alter or amend the terms of this agreement. I have read, understand and accept the foregoing conditions and represent that I am authorized to sign this order as the agent of the owner or contractor.

Signed: M. C. Vest
AGENT OF OWNER OR CONTRACTOR

Time	Date	When Released During Waiting Time, Show the Time in the Station or On Call.
Truck Called <u>8:30</u>	AM PM <u>5/19</u>	
Station Clock <u>9:00</u>	AM PM <u>11</u>	
Arrived at Job <u>11:00</u>	AM PM <u>11</u>	From
Start Operation <u>2:00</u>	AM PM <u>5/20</u>	To
Finish Operation <u>1:45</u>	AM PM <u>11</u>	From
Released <u>7:00</u>	AM PM <u>11</u>	To
Left Well <u>7:45</u>	AM PM <u>11</u>	From
Station Clock	AM PM	To

PRICING DATA	
This is not an invoice. Pricing is subject to review and correction.	
Base Charge: Code <u>203</u> Job at <u>12416</u> ft. depth	
Addn. Charge: ft. @ per ft. <u>0.49</u>	<u>00</u>
Extra Truck: Trucks @ Per Truck	
Extra Hours: Hours @ Per Hour	
Extra Stages: Stages @ Per Stage	
Waiting Time: Hours @ Per Hour	
Mileage Charge: Miles @ Per Mile	
Treated Cement:	
Other:	
<div style="border: 2px solid black; padding: 5px; transform: rotate(-2deg);"> <p>RECEIVED</p> <p>MAY 23 1960</p> <p>DEPT. LAKE CHARLES</p> </div>	
Tax	
Priced by:	TOTAL <u>0.49</u>
Pricing Effected by Ticket No.:	
Standby Truck No.:	
Other Equipment Used: <u>7118-3124-3511</u>	

Cu. Ft. Gal. Bbl.	Cu. Ft. Gal. Bbl.	Cu. Ft. Gal. Bbl.
Fluid Pumped:		
Pressure Max.: <u>1200</u> P.S.I.	P.S.I.	P.S.I.
Pressure Circ.: <u>520</u> P.S.I.	P.S.I.	P.S.I.
Cement Left in Pipe: <u>300</u> Ft. Requested <input type="checkbox"/> Necessity <input type="checkbox"/>		
Pumped Down By: Pump Truck <input type="checkbox"/> Rig Pump <input type="checkbox"/>		
Measured Displacement By: Volume <input type="checkbox"/> Wire Line <input type="checkbox"/>		
Miles from Station to Well: <u>1000</u>		

SERVICE ENGINEER	EQUIPMENT OPERATOR	TRUCK NO.	No. Stages
<u>L.M. Prosser</u>	<u>D.L. MacCarter</u>	<u>7117</u>	

REMARKS:

Copy to Customer

The above job was performed.

Signed: M. C. Vest
AGENT OF OWNER OR CONTRACTOR

WORK PERMIT

PERMIT TO Perforate DATE 5-31-60
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 1125, Oil Center Station, Lafayette, La.
WELL NAME M.O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION 614.3' S of N line and 1979.7' West of East line.

YOU ARE HEREBY AUTHORIZED TO Perforate for production
from 12470-12505'.

PERMIT REQUESTED BY JOHN C. WILLIS TD 12614'
Company Representative

AUTHORIZED BY _____
ARSENE P. EDWARDS, District Manager
District Office

WORK PERMIT

PERMIT TO Perforate DATE 5-31-60
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. _____ WORK PERMIT No. _____
LOCATION 614.3' S of N/L & 1979.7' W of E/L

YOU ARE HEREBY AUTHORIZED TO perf. for prod. fr. 11784-800'

PERMIT REQUESTED BY JOHN C. WILLIS TD 12614'
Company Representative

AUTHORIZED BY ARSENE P. EDWARDS
District Office
Lake Charles, La.

WORK PERMIT

PERMIT TO Perforate & Squeeze DATE 6-1-60
PARISH Cameron FIELD Grab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. _____ WORK PERMIT No. _____
LOCATION 614.3' S of N/L & 1979.7' W of E/L

YOU ARE HEREBY AUTHORIZED TO Perf. & sq. 11823'

PERMIT REQUESTED BY JOHN C. WILLIS TD. 12614'
Company Representative

AUTHORIZED BY ARSENE P. EDWARDS
District Office
Lake Charles, La.

PERFORATING DATA SHEET

LANE-WELLS COMPANY

Number Jobs This Trip 1

District 30 Operating Base d.l. Date 3-1-60 S. O. # 1675
 Truck No. 442 Operator H. L. Dillard Helper J. H. ...
 Customer ... Corp. Authorized Agent ...
 Name of Well ... No. 13 Field ...
 State La. County/Parish Cadison

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.

On Job _____ A.M. M. Res. Off Job _____ A.M.
 P.M. P.M. M. Res.

Standby Time _____ Max. Temp. _____ ° F.
 New or Old Well NEW Purpose of Perforating Seepage Kind of Fluid Oil Level Full
 Casing Record 7" Cemented In ... Liner Record 5" 18" Cemented In ...
 Customer's Depth 2520 Measure Method _____ Zero Point 1" Above
 Lane-Wells Depth _____ Size Gun _____ No. _____ No. _____ Type _____ Controller No. 1055 No. _____
 Bullet Size 4 Holes from 2535 to 2524 Ft. Holes from _____ to _____ Ft.
 Holes from _____ to _____ Ft. Shooting Zones Approved By: ... Title _____

Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1					
2					
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30					

RECEIVED
 JUN 7 1960
 DEPARTMENT OF MINERALS
 LAKE CHARLES
 PRINTED IN U.S.A.

RUNNING TIME	REMARKS
1) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
2) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
3) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
4) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
5) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
6) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	

Mileage: From _____ to _____
 Mileage: From _____ to _____



Department of Conservation
MINERALS DIVISION
WELL HISTORY AND WORK RESUME REPORT

FIELD
Crab Lake

SERIAL NO.
79019

PRODUCING INTERVAL
11,784-800

RESERVOIR (COMPANY SAND IDENTIFICATION)
"L"

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion or re-completion. NOTE: If not properly completed and signed, this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL RECOMPLETION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS P&A

OPERATOR **Forest Oil Corp.** ADDRESS **1125 OCS, Lafayette, La.**

LEASE NAME **M. O. Miller** WELL NO. **13**

PARISH **Cameron** SEC. **29** TWP. **15S** RGE. **5W** DATE PERMIT ISSUED **March 29, 1960**

DATE SPUDDED **April 9, 1960** TOTAL DEPTH **12,616** PBTD **11,820**

GROUND ELEVATION **1 ft.** CASING HEAD FLANGE ELEVATION **1 ft.** DISTANCE FROM RKB TO CHF **16.20**

DATE WELL TURNED INTO TANKS **6-3-60** SINGLE, DUAL OR TRIPLE COMPLETION? **Dual** NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED? **No** WAS DIRECTIONAL SURVEY MADE? **No** WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION? **No** DATE FILED

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION) **Electrical Gamma Ray Microlog** DATE FILED **6-6-60**

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HRS. UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
16"	22"	42.8	123'	200+4% Jel		12		John Knox-Agent
10 3/4"	15"	40.5#	35932	1500+4% Jel	1500	8	4-16-60	John Knox-Agent
7"	9 7/8"	29#	12420	1000	1500	10	5-23-60	S.J. Iles-Dept.
5"	6"	18#	12612	70	2000	12	6-1-60	E.N.O'Day-Agent

TUBING SIZE: **2 3/8** DEPTH OF TUBING: **11768** DEPTH OF PACKER (S): **11754**

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION **40** GAS VOLUME **2.0** CHOKER SIZE **10/64** WELL STATUS **Gas**

TUBING PRESSURE **3850** CASING PRESSURE **Packer** GOR **50,000** BS & W **0** BHP - (SHUT-IN) **5435**

GRAVITY **API 180°F** CONSERVATION AGENT MAKING GAUGE **John Willis** COMPANY REPRESENTATIVE **John Willis** DATE GAUGED **6-3-60**

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS FROM TO	SACKS	HOW PLACED	DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.

CERTIFICATE: I, the undersigned, state that I am employed by **Forest Oil Corp.** and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature **John C. Willis** Title: **Dist. Prod. Supt.**

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
Perf. & Sq. L.C. #50	6-2-60	Lane Wells & Baker Oil Tools	Perforate & Sq. off water.
Applied for	6-4-60	Lane Wells & Baker Oil Tools	Perforate & Sq. off water.
Perforate L.C. #171	6-7-60	Lane Wells	Perforate for production.
Sq.&Perf. L.C. #74	6-8-60	H.O.W. Co. & Lane Wells	Squeeze off water & reperforate.
Applied for	6-24-60	Lane Wells	Perforate for production.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
See electrical log.			

PERFORATING DATA SHEET

LANE-WELLS COMPANY

Number Jobs This Trip 1 each

District J.C. Operating Base J.C. Date _____ S. O. # 14727
 Truck No. 436 Operator De Cour Helper Johnson
 Customer Ferris Oil Corp. Authorized Agent Mr. O'Day
 Name of Well Mulla No. 13 Field Crab Hole
 State La. County/Parish Cameron

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.
 On Job _____ A.M. M. Res. Off Job _____ A.M. M. Res.
 P.M. P.M.

Standby Time _____ Max. Temp. _____ ° F.
 New or Old Well New Purpose of Perforating Stimulate Kind of Fluid Oil Level Full
 Casing Record 7" 33' Cemented In 9 5/8" 6.4' Liner Record 5' 19" Cemented In 6' 0.4'
 Customer's Depth 12.523 Measure Method _____ Zero Point _____
 Lane-Wells Depth _____ Size Gun _____ No. _____ No. _____ Type _____ Controller No. _____ No. _____
 Bullet Size 4 Holes from 11827 to 11826 Ft. Holes from _____ to _____ Ft.
 Holes from _____ to _____ Ft. Shooting Zones Approved By: [Signature] Title _____

Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1					
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RECEIVED
 JUN 7 1960
 DEPARTMENT OF MINERALS
 LAKE CHARLES

RUNNING TIME		REMARKS
1)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	A.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
2)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	A.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
3)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	A.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
4)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	A.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
5)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	A.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
6)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	A.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		

Mileage: From _____ to _____
Mileage: From _____ to _____

WORK PERMIT

PERMIT TO Squeeze & Perforate DATE June 9, 1960
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corporation
ADDRESS Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION 614.3 South of North line and 1979.7' West of East
line.

YOU ARE HEREBY AUTHORIZED TO Sq. perfs. 12470-505' to shut
off water. Dry test and reperform from 12475'
to 505'.

PERMIT REQUESTED BY JOHN C. WILLIS TD. 12614'
Company Representative

AUTHORIZED BY _____
ARSENE P. EDWARDS, District Manager
District Office

PERFORATING DATA SHEET

LANE-WELLS COMPANY

District S.C. Operating Base O.C. Number Jobs This Trip 1
 Truck No. 4-156 Operator M. Williams Date 6-17-60 S. O. # 14729
 Customer Federal Oil Corp. Helper Stanley Authorized Agent M. O'Day
 Name of Well M.O. Miller No. 13 Field Chick Lake
 State Pa. County/Parish Common

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.
 On Job _____ A.M. M. Res. Off Job _____ A.M.
 P.M. P.M. M. Res. _____ P.M.

Standby Time _____ Max. Temp. _____ ° F.
 New or Old Well New Purpose of Perforating Indiv Kind of Fluid 13-49 Level Full
 Casing Record 7" 32" Cemented In 9 1/2" O.N. Liner Record 5" 19 1/2" Cemented In 6 1/2" O.N.
 Customer's Depth 12523 Measure Method _____ Zero Point 1" A.R.
 Lane-Wells Depth _____ Size Gun _____ No. _____ No. _____ Type _____ Controller No. _____ No. _____
 Bullet Size 20 Holes from 12500 to 12475 Ft. Holes from _____ to _____ Ft.
 Holes from _____ to _____ Ft. Shooting Zones Approved By: M. O'Day Title _____

Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
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RECEIVED

JUN 27 1960

DEPARTMENT OF MINES
LAKE CHARLES

RUNNING TIME	REMARKS
1) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
2) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
3) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
4) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
5) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
6) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	

Mileage: From _____ to _____
 Mileage: From _____ to _____

BJ SERVICE, INC.
CEMENTING OPERATIONS
JOB TICKET



DIVISION: HOUSTON
 DISTRICT: LAKE CHARLES P 71468
 DATE: 6/19/60
 CUSTOMER ORDER NO.:

CUSTOMER FOREST OIL CORP. OWNER OF WELL SAME
 MAIL INVOICE TO Box 1185 OCS. WELL NO. 13 LEASE M.O. MILLER
 CITY LAFAYETTE STATE LA FIELD CRAB LAKE COUNTY CAMERON
 AUTHORIZED BY STATE LA

Owner, Contractor, or his Agent submits the following data for the Service Job to be performed:

Type Job: SQUEEZE Depth: 12470 Ft. CEMENT DATA: Bulk Sacks Bulk Ticket No. B 55462

Surface Intermediate Production Remedial Sacks Brand Type % Col Admixes

Size Hole: Depth: Ft. 100 ATLAC ANAPLO

Size & Wt. Casing: 5 New Used Depth: Ft. 100 ATLAC ANAPLO

Size & Wt. D. Pipe or Tubing: 2 7/8 11.3% Depth: 12220 Ft.

Top Plugs: --- Type: 2 7/8 11.3% - 12435 Weight of Slurry: 16.2 Lbs. 16.2 Lbs. Lbs.

Bottom Plugs: --- Type: --- Volume of Slurry: 117 Cu. Ft. 117 Cu. Ft. Cu. Ft.

Leather Cups: --- Rubber Discs: --- Cement Treated With: ---

Other: --- Amount Treating Chemical: ---

Type Head: --- Manifold: BAKER Treated Cement: --- Sacks.

Additional Instructions or Data:

CONTRACT CONDITIONS (This order must be signed before work is commenced):

To BJ Service, Inc.: The undersigned, as customer, has read the Instructions set forth above and agrees that they are correct in all respects. The above job shall be under the general supervision and control of the owner, operator, or his agent, whose signature appears below; however, it is expressly understood and agreed that BJ Service, Inc., will perform the work as an independent contractor and not as an employee of the owner, operator, or his agent. It is understood and agreed that because of uncertain and/or unknown conditions existing in oil wells, BJ Service, Inc., does not guarantee the results of the work to be performed, nor will it be responsible for damage to life or property as a result of the work performed under this agreement. Customer agrees that, should any of the BJ Service, Inc., equipment be lost or destroyed, customer will use all reasonable efforts to recover the said equipment, or reimburse BJ Service, Inc., for the reasonable value thereof. It is expressly understood and agreed that BJ Service, Inc., will not be bound by any agreement not herein contained, and no agent or representative employed directly or indirectly by BJ Service, Inc., has authority to alter or amend the terms of this agreement. I have read, understand and accept the foregoing conditions and represent that I am authorized to sign this order as the agent of the owner or contractor.

Signed: [Signature]
 AGENT OF OWNER OR CONTRACTOR

	Time	Date	When Released During Waiting Time, Show the Time in the Station or On Call.
Truck Called	10:00 AM	6/19	
Station Clock	10:30 AM	"	
Arrived at Job	1:30 AM	"	From
Start Operation	6:30 AM	"	To
Finish Operation	3:00 AM	6/20	From
Released	3:30 AM	"	To
Left Well	4:00 AM	"	From
Station Clock			To

Fluid Pumped:	Cu. Ft.	Gal.	Bbl.	Cu. Ft.	Gal.	Bbl.
	1140			1140		
	120			82		

Pressure Max.:	P.S.I.	Pressure Circ.:	P.S.I.
6,500		2,000	
2,200		2,200	

SERVICE ENGINEER	EQUIPMENT OPERATOR	TRUCK NO.	No. Stages
W. B. DEAR	W. H. HANCOCK	1189	1

PRICING DATA
 This is not an invoice. Pricing is subject to review and correction.

Base Charge:	Code	Job at	ft. depth	
	222	12470		849 00
Adn. Charge:	ft. @	per	ft.	
Extra Truck:	Trucks @	Per	Truck	
Extra Hours:	Hours @	Per	Hour	
Extra Stages:	Stages @	Per	Stage	
Waiting Time:	Hours @	Per	Hour	
Mileage Charge:	Miles @	Per	Mile	
Treated Cement:				
Other:				

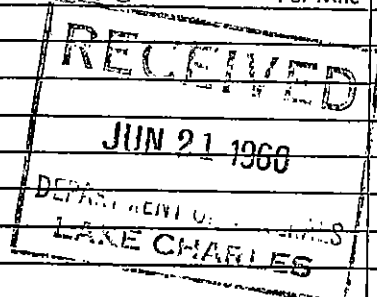
Tax	TOTAL
	849 00

Priced by: W. H. HANCOCK

Pricing Effected by Ticket No.:

Standby Truck No.:

Other Equipment Used:



REMARKS:

Copy to Customer The above job was performed. Signed: [Signature] AGENT OF OWNER OR CONTRACTOR



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MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Perf & Sq.
L.C. #52

WORK PERMIT

PERMIT TO Perforate & Squeeze DATE 6-20-60
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13D SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. Application pending WORK PERMIT No. _____
LOCATION 614.3' S of N line & 1979.2' W of E line

YOU ARE HEREBY AUTHORIZED TO Perforate & Squeeze 11670'

PERMIT REQUESTED BY JOHN C. WILLIS TD 12614'
Company Representative

AUTHORIZED BY _____
ARSENE P. EDWARDS
District Office
Lake Charles, La.

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Squeeze
L.C. #52

WORK PERMIT

PERMIT TO Squeeze DATE 6/20/60
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION 614.3' S of N line & 1979.8' W of E line

YOU ARE HEREBY AUTHORIZED TO Squeeze perms. 12470-505'

PERMIT REQUESTED BY JOHN C. WILLIS TD 12614'
Company Representative

AUTHORIZED BY _____
ARSENE P. EDWARDS
District Office
Lake Charles, La.

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Perforate
L.C. #189

WORK PERMIT

PERMIT TO Perforate DATE 6-20-60
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13D SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. Application pending PERMIT No. _____
LOCATION 614.3' S of N line & 1979.7' W of E line

YOU ARE HEREBY AUTHORIZED TO Perforate 116#6-650' for
production

TD 12616'

PERMIT REQUESTED BY JOHN C. WILLIS
Company Representative

AUTHORIZED BY _____

ARSENE P. EDWARDS

District Office

Lake Charles, La.

Harold K. Kuffel.
LANE-WELLS COMPANY

PERFORATING DATA SHEET

Number Jobs This Trip 1 Sand

District J. J. Operating Base J. C. Date 6-20-60 S. O. # 14730
 Truck No. 426 Operator Chapman Helper Hiltfield
 Customer Forest Oil Corp. Authorized Agent Wm. O. Day
 Name of Well M. O. Miller No. 13 Field Creek Lake
 State La. County/Parish Cassine

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.
 On Job _____ A.M. M. Res. Off Job _____ A.M.
 P.M. P.M. M. Res.

Standby Time _____ Max. Temp. _____ ° F.
 New or Old Well New Purpose of Perforating Squeeze Kind of Fluid Prod. 12-1/2" 49 Level fill
 Casing Record _____ Cemented In _____ Liner Record _____ Cemented In _____
 Customer's Depth 17523 Measure Method Strain Zero Point 1 above 1000 ft
 Lane-Wells Depth _____ Size Gun 4 1/2 No. _____ No. _____ Type _____ Controller No. _____ No. _____
 Bullet Size _____ Holes from 11674 to 11673 Ft. 100 Holes from _____ to _____ Ft. _____
 Holes from _____ to _____ Ft. Shooting Zones Approved by: _____ Title _____

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RECEIVED
 JUN 27 1960
 DEPARTMENT OF
 LANDS

RUNNING TIME	REMARKS
1) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
2) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
3) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
4) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
5) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
6) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	

Mileage: From _____ to _____
 Mileage: From _____ to _____

TREATMENT REPORT

DWL-494-B
PRINTED IN U.S.A.



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

TREATMENT NO. **14-08-680**

STAGE NO.

TYPE OF TREATMENT Coalment		DISTRICT 14 New Orleans		STATION 21 Lafayette		DATE June 20, 1960	
OWNER Forest Hill Co.		WELL NAME AND NUMBER M. O. Miller # 13				ORIGINATOR Orab Lake	
COUNTY Cameron		STATE Louisiana		SAC NO. See 29-1155-15W		REPRESENTATIVE BD O'Day	
TYPE OF WELL <input type="checkbox"/> A OIL <input type="checkbox"/> B WATER <input type="checkbox"/> C GAS <input type="checkbox"/> D WATER INJ. <input type="checkbox"/> E WASTE DISP. <input type="checkbox"/> F OTHER		TYPE OF COMPLETION <input type="checkbox"/> A NEW WELL <input type="checkbox"/> B REWORK <input type="checkbox"/> C RECOMPLETION		TYPE OF WELL <input type="checkbox"/> A NEW WELL <input type="checkbox"/> B REWORK <input type="checkbox"/> C RECOMPLETION			
TOTAL DEPTH 3		BOTTOM HOLE TEMP 4		SACKS CEMENT 5		TYPE OF COMPLETION 6	
DRILL FLUID USED 7		INITIAL PRODUCTION 8		PRESENT PRODUCTION 9			
CASING SIZE 10		TYPE OF CASING 11		CASING VOLUME 12		ALLOWABLE CSG. PRESS. 13	
TUBING SIZE 16		DEPTH OF TUBING 17		TUBING VOLUME 18		ALLOWABLE TBG PRESS. 19	
O.H. OR PERF. 22		CHECK ZONE TREATED 23		O.H. SIZE 24		SHOTS/FT 25	

PREVIOUS TREATMENT RECORD (SHOW DATES)		PUMPING EQUIPMENT 24		POUNDS SAND PER GAL. 25		JOB DONE 26		AVERAGE RATE 27	
FILL AND BREAKDOWN 28		TREATING FLUID 29		FLUSH 30		MAXIMUM TREATING PRESS. 31		PSI AT 32	
TOTAL BBLS PUMPED 15		TREATING FLUID 10		FLUSH		MAXIMUM TREATING PRESS. 4100		PSI AT 25	
MINIMUM TREATING PRESS. 32		PSI AT 33		BPM 34		SHUT IN PRESSURE 35		SHUT IN PRESSURE 36	

TIME -A.M. OR- P.M.	PRESSURE		BARRELS OF FLUID				ARRIVED AT LOCATION A.M./P.M.	REMARKS
	CASING	TUBING	OUT OF TANKS	PER READING	IN FORMATION	PER MINUTE		
1900								
1500								left station
1900								arrived location
1919								test tubing to 6500, ok.
1921								test casing to 2000
1930								start BD via DP
2000								No break, pull 1 joint DP
2002	1500	4800						again start BD
2020	1500	3500	15	15	15	2.5		BD, 4800, 1500psi, run 1
2022								shut down, mix cement (50 ex.)
2110	0	0	15		15			"
2115	0	1500	25	10	15	2		start FW blanket
2119	0	1800	35	10	15	2.5		FW in, start coalment
2121	0	1800	40	5	15	2.5		cement in, start fresh water
2135	0	1800	73	33	15	2.3		fresh water in, start mud
2136	1000	800	73		15			shut down, close tool.
2140	1000	1300	78	5	20	1.2		start squeeze
2000	1000	3000	87	9	29	.5		cement & Packer
2005	1000	4100	89	2	31			shut down to stage.
2007	500	500	89		31			shut down, squeeze complete
2040	2000	0	159	70	31	2.1		start reverse circulation with mud
								shut down, job complete
								mixed 50 ex
								squeezed 40 ex.
								reversed 10 ex.
2400								left location
0200								arrived station

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 JUN 30 1960
 EXAMINED BY
CHARLES

TREATMENT REPORT

DWL-494
PRINTED U.S.A.



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

Page 1 of 2

TREATMENT NO. 14-08-681

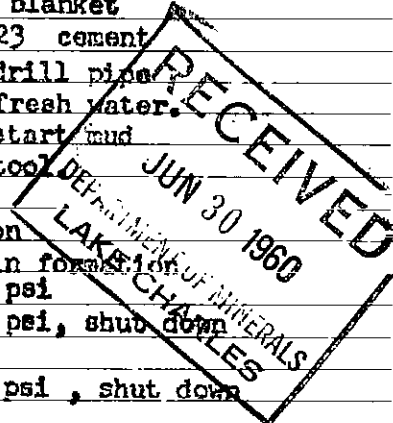
STAGE NO.

TYPE OF TREATMENT 1-23 Cement		DISTRICT 14 New Orleans		STATION Old Lake Charles		DATE June 22, 1960	
OWNER Correst Oil Co.		WELL NAME AND NUMBER Miller #13		LOCATION Orab Lake		OPERATIVE Ed C. Day	
COUNTY Cameron		STATE Louisiana		FORM NO. 1155 R5W			
TYPE OF WELL 1 OF WELL		C. GAS. E. WASTE DISP.		2			
TOTAL DEPTH 3		BOTTOM HOLE TEMP. 4		SACKS CEMENT 5		6 TYPE OF COMPLETION Black	
DRILL FLUID USED 7		INITIAL PRODUCTION 8 WATER (BPD) OIL (BPD) GAS (MCF/D)		PRESENT PRODUCTION 9 WATER (BPD) OIL (BPD) GAS (MCF/D)			
CASING SIZE 10		TYPE OF CASING 11		CASING VOLUME 12		ALLOWABLE CSG PRESS. 13	
TUBING SIZE 16		DEPTH OF TUBING 17		TUBING VOLUME 18		ALLOWABLE TBG. PRESS. 19	
O.H. OR PERF. 22		CHECK ZONE TREATED		FROM TO		MATERIALS Johnson Tester 11661	
O H SIZE		SHOTS/FT		FROM TO		CHECK ZONE TREATED	
						D-23 Cement 100 sx. 1.5% D-23	

PREVIOUS TREATMENT RECORD (SHOW DATES)

PUMPING EQUIPMENT 24		50 sx. cement, June 20, 1960		JOB DONE DOWN 26		AVERAGE RATE 27	
FILL AND BREAKDOWN		TREATING FLUID		FLUSH		MAXIMUM TREATING PRESS.	
TOTAL BBLs PUMPED 28		TREATING PRESS. PSI AT		TREATING PRESS. PSI AT		BPM	
MINIMUM TREATING PRESS. PSI AT		BPM		SHUT IN PRESSURE IMMEDIATELY AFTER JOB		SHUT IN PRESSURE AT MINUTES LATER	

TIME - A M OR P.M.	PRESSURE		BARRELS OF FLUID			ARRIVED AT LOCATION		REMARKS
	CASING	TUBING	OUT OF TANKS	PER READING	IN FORMATION	PER MINUTE	A M / P.M.	
1100								left station
1330								arrived location
1500								press. csg. & start break down via DP
1505	2000	3000	5	5	5	1		break 3000-2200 psi, shut down
1510	0	0	5		5			start fresh water blanket
1515	0	1000	15	10	5	2		shut down, mix D-23 cement
1622	0	0	15		5			start cement via drill pipe
1633	0	1600	37	22	5	2		cement in, start fresh water.
1635	0	1800	42	5	5	2.5		fresh water in, start mud
1644	0	2000	53	21	5	2.3		shut down, close tool
1645	1500	2000	53		5			start squeeze
1648	1500	1200	58	5	10	1.7		cement at formation
1653	1400	1500	73	5	15	1		slow pump, 5 sx. in formation
1702	1200	1300	76	3	18	.3		break 2000, 1300 psi
1709	1200	2400	78.5	2.5	20.5	.3		break, 2400, 1300 psi, shut down
1714	1200	1200	78.5		20.5			resume squeeze
1719	1200	2100	79.5	1	21.5	.25		break, 2100, 1500 psi, shut down
1725	1200	1400	79.5		21.5			resume squeeze
1727	1200	2000	80		22	.25		shut down
1732	1200	1800	80		22			resume squeeze
1735	1200	2400	81	1	23	.3		shut down
1740	1200	2300	81		23			resume squeeze
1745	1200	3100	82	1	24	.25		shut down
1750	1200	3100	82		24			resume squeeze
1756	1200	3900	83.5	1.5	25.5	.25		shut down
1758	1200	3900	83.5	1.5	25.5			resume squeeze
1759	1200	4100	84	.5	26	.25		shut down



cont'd on page #2

Harold K. Kral
LANE-WELLS COMPANY

PERFORATING DATA SHEET

Number Jobs This Trip 1

District L.C. Operating Base L.C. Date 6-24-60 O. # 14431
 Truck No. 436 Operator Chapman Helper T. J. ...
 Customer Forest Oil Corp. Authorized Agent W. O. Fay
 Name of Well M. O. Miller No. 13 Field Crab Lake
 State Ta. County/Parish Carroll

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.

On Job _____ A.M. M. Res. Off Job _____ A.M. M. Res.
 P.M. P.M.

Standby Time 1:15 Max. Temp. _____ ° F.

New or Old Well New Purpose of Perforating Prod. Kind of Fluid Mud Level full

Casing Record _____ Cemented In _____ Liner Record _____ Cemented In _____

Customer's Depth 1182 3 Measure Method Standard Zero Point 1' above ...

Lane-Wells Depth _____ Size Gun 1 1/2 No. _____ No. _____ Type 2 Controller No. _____ No. _____

Bullet Size 64 Holes from 1180 3 to 1182 3 Ft. Holes from _____ to _____ Ft.

Holes from _____ to _____ Ft. Shooting Zones Approved By: [Signature] Title _____

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DEPARTMENT OF MINERALS
 JUL 2 1960
 LAKE CHARLES

RUNNING TIME	REMARKS
1) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
2) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
3) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
4) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
5) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	
6) In From _____ to _____ A.M. P.M. Out From _____ to _____ A.M. P.M. Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	

Mileage: From _____ to _____
 Mileage: From _____ to _____

Account Kept at
LANE-WELLS COMPANY

PERFORATING DATA SHEET

Number Jobs This Trip 1 Good

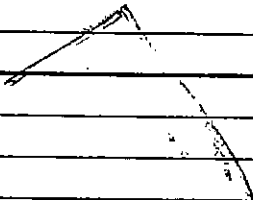
District L.P. Operating Base L.P. Date 6-25-60 S. O. # 14732
 Truck No. 436 Operator C. Chapman Helper W. ...
 Customer East Oil Co. Authorized Agent W. O. ...
 Name of Well M. O. ... No. 13 Field Cook Lake
 State La. County/Parish Cameron

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.
 On Job _____ A.M. Off Job _____ A.M.
 P.M. M. Res. P.M. M. Res.

Standby Time _____ Max. Temp. _____ ° F.
 New or Old Well New Purpose of Perforating Perf Kind of Fluid Mud Level Full
 Casing Record 7 Cemented In _____ Liner Record _____ Cemented In _____
 Customer's Depth 1182 3 Measure Method Stipon Zero Point 1 above surface
 Lane-Wells Depth _____ Size Gun 1 1/4 No. _____ No. _____ Type A Controller No. _____ No. _____
 Bullet Size 16 Holes from 1165 3 to 1164 9 Ft. Holes from _____ to _____ Ft.
 Holes from _____ to _____ Ft. Shooting Zones Approved By: E. ... Title _____

	Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1	<u>1164 9 3</u>					
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RECORDED
 JUN 2 1960
 INDEXED

RUNNING TIME		REMARKS
1)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
2)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
3)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
4)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
5)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		
6)	A.M.	
In From _____ to _____	P.M.	
Out From _____ to _____	P.M.	
Fluid _____		
In _____ Out _____		
Holes _____ Total _____		
Misses _____ Total _____		

Mileage: From _____ to _____
Mileage: From _____ to _____

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Lake Charles DISTRICT

WELL COMPLETION OR RECOMPLETION REPORT

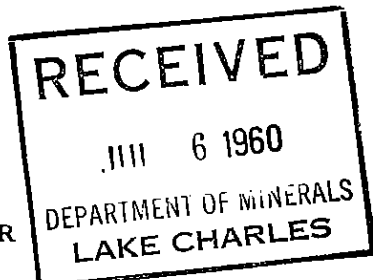
OIL WELL () Three copies to be filed with District Office within three (3) days of date of completion or recompletion (as per Order No. 29-A, Section X, Paragraph A, Article 1.) COMPLETION ()
DIS. WELL () RECOMPLETION ()
GAS WELL () PERMIT SERIAL NO. (79019)

PARISH Cameron FIELD Crab Lake SEC 29 TWP 15 SRGE 5W
COMPANY Forest Oil Corp. LEASE M. O. Miller WELL NO. 13
DRILLING CONTRACTOR Ward Drlg. Co. DATE SPUDDED (OR W.O.) April 9,
DATE COMPLETED OR RECOMPLETED July 3 1960, AT 8 (A.M.) (~~P.M.~~)

C O M P L E T I O N D A T A

INITIAL PRODUCTION 40 BBLs. / (NET)
TUBING PRESSURE 3850 #/SQ. IN. GAS FLOWING () SHUT IN ()
CHOKE 10/64 SIZE 10/64 POSITIVE () ADJUSTABLE ()
B. S. & W. 0% PERCENT SALT WATER (0%) WASH WATER (0%)
GAS VOLUME 2000 MCF/DAY
GAS/OIL RATIO 50,000 CF/BBLs.
GRAVITY _____ (60 degrees A. P. I.)
PRODUCING DEPTH 11,784 FT. TO 11,800 FT.
PERFORATED _____ YES () NO () BOTTOM TUBING 11,754 FT. SIZE 2 3/8 IN.
CASING (OIL STRING) SIZE 7 IN. I.D. () O.D. () BOTTOM SEAT _____ FT.
TOTAL DEPTH DRILLED 12,614 FT. DERRICK FLOOR ELEVATION 18 FT.

(Additional clearance is requested for _____ barrels of oil produced on drill-stem or other production tests. (See Section X, Paragraph B, of Order No. 29-A on reverse side.)



FORM SDM-1-R

Forest Oil Corp.
COMPANY

John C. Hillis
COMPANY REPRESENTATIVE

X A

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-A

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule.

All operators are required, within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production -- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>DATE OF TEST</u>	<u>TEST DATA</u>		<u>AMOUNT OF OIL PRODUCED</u>
	<u>TIME OF TEST</u>		
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	M. TO _____	M. _____	_____ BARRELS
_____	TOTAL _____		_____ BARRELS

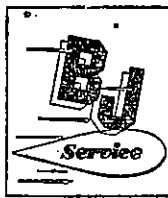
The above total barrels of oil were produced from _____ Ft. to _____ Ft.

REMARKS: _____

COMPANY

COMPANY REPRESENTATIVE

- INC.
OPERATIONS
JOB TICKET



DIVISION Production
DISTR 1
DATE 1/11/60
CUSTOMER ORDER NO. 75454

CUSTOMER Forest Oil Corp. OWNER OF WELL _____
MAIL INVOICE TO 1140 Oil Center Bldg. WELL NO. 13 LEASE 110
CITY Laurel STATE La. FIELD 45 COUNTY _____
AUTHORIZED BY _____ STATE La.

Owner, Contractor, or his Agent submits the following data for the Service Job to be performed:

Type Job: Tumping Depth: 117-9 Ft. CEMENT DATA: Bulk Socks Bulk Ticket No. B
 Surface Intermediate Production Remedial Sacks _____ Brand _____ Type _____ % Gal _____ Admixes _____
 Size Hole: _____ Depth: _____ Ft.
 Size & Wt. Casing: 1 1/2" New Used Depth: 118-0 Ft. None
 Size & Wt. D. Pipe or Tubing: _____ Depth: _____ Ft.
 Top Plugs: _____ Type: _____ Weight of Slurry: _____ Lbs. _____ Lbs. _____ The
 Bottom Plugs: _____ Type: _____ Volume of Slurry: _____ Cu. Ft. _____ Cu. Ft. _____ Cu. Ft.
 Leather Cups: _____ Rubber Discs: _____ Cement Treated With: _____
 Other: _____ Amount Treating Chemical: _____
 Type Head: _____ Manifold: _____ Treated Cement: _____ Sacks _____

Additional Instructions or Data: _____

CONTRACT CONDITIONS (This order must be signed before work is commenced):

To BJ Service, Inc.: The undersigned, as customer, has read the Instructions set forth above and agrees that they are correct in all respects. The above job shall be under the general supervision and control of the owner, operator, or his agent, whose signature appears below; however, it is expressly understood and agreed that BJ Service, Inc., will perform the work as an independent contractor and not as an employee of the owner, operator, or his agent. It is understood and agreed that because of uncertain and/or unknown conditions existing in oil wells, BJ Service, Inc., does not guarantee the results of the work to be performed, nor will it be responsible for damage to life or property as a result of the work performed under this agreement. Customer agrees that, should any of the BJ Service, Inc., equipment be lost or destroyed, customer will use all reasonable efforts to recover the said equipment, or reimburse BJ Service, Inc., for the reasonable value thereof. It is expressly understood and agreed that BJ Service, Inc., will not be bound by any agreement not herein contained, and no agent or representative employed directly or indirectly by BJ Service, Inc., has authority to alter or amend the terms of this agreement. I have read, understand and accept the foregoing conditions and represent that I am authorized to sign this order as the agent of the owner or contractor.

Signed: _____
AGENT OF OWNER OR CONTRACTOR

	Time		Date	When Released During Waiting Time, Show the Time in the Station or On Call.
Truck Called	9:30	AM PM	1/11	
Station Clock	7:00	AM PM	1/11	
Arrived at Job	10:00	AM PM	1/11	From
Start Operation	1:00	AM PM	1/11	To
Finish Operation	5:00	AM PM	1/11	From
Released	5:00	AM PM	1	To
Left Well	6:00	AM PM		From
Station Clock	7:20	AM PM		To

PRICING DATA
This is not an invoice. Pricing is subject to review and correction.

Base Charge: Code <u>235</u> Job at <u>117-9</u> ft. depth	<u>41.00</u>
Addn. Charge: _____ ft. @ _____ per _____ ft.	
Extra Truck: _____ Trucks @ _____ Per Truck	
Extra Hours: <u>009</u> Hours @ <u>9</u> Per <u>10.00</u> Hour	<u>90.00</u>
Extra Stages: _____ Stages @ _____ Per Stage	
Waiting Time: _____ Hours @ _____ Per Hour	
Mileage Charge: _____ Miles @ _____ Per Mile	
Treated Cement: _____	
Other: _____	

Fluid Pumped: <u>90</u> Cu-Ft. <u>90</u> Cu-Ft. _____ Cu. Ft. <u>mud</u> Gaf. <u>WABCO</u> Gaf. _____ Gal. Bbl. _____ Bbl.
Pressure Max.: <u>1200</u> P.S.I. _____ P.S.I. _____ P.S.I.
Pressure Circ.: <u>1200</u> P.S.I. _____ P.S.I. _____ P.S.I.
Cement Left in Pipe: _____ Ft. Requested <input type="checkbox"/> Necessity <input type="checkbox"/>
Pumped Down By: Pump Truck <input checked="" type="checkbox"/> Rig Pump <input type="checkbox"/>
Measured Displacement By: Volume <input checked="" type="checkbox"/> Wire Line <input type="checkbox"/>
Miles from Station to Well: _____

SERVICE ENGINEER	EQUIPMENT OPERATOR	TRUCK NO.	No. Stages
_____	<u>L. Brashers</u>	<u>1163</u>	

Tax _____
Priced by: <u>M.C. Danner</u> TOTAL <u>351.00</u>
Pricing Effected by Ticket No.: _____
Standby Truck No.: _____
Other Equipment Used: _____

REMARKS: _____

RECEIVED
JAN 11 6 1960
LAKE CHARLES

Copy to Customer _____ The above job was performed. Signed: _____
AGENT OF OWNER OR CONTRACTOR

CEMENT
BU SERI

021216

OM REC H

POTENTIAL REPORT

Type Well: Oil _____ Gas _____ Distillate _____

Type Test: Comp. Recomp. _____ Retest _____ Regauge _____

Parish CAMERON Field CRAB LAKE

Company FOREST OIL Serial No. 79019

Well Name & No. D.R.M.O. MILLER #13

Location: Sec. 29 Twp. 15-3 Rge. 5-4 Flowing Pump

Prod. Horizon _____ Perf. Int. 11,784 to 11,800

Casing Setting: Size 7" @ 11,820 P.B.

Tubing Setting: Size 2 3/8" @ 11,759 T.D. 11,820

Date Completed 7-17-60 Date Gauged 7-17-60

Acidize with _____ gals. Elev. of Derr. Floor _____

— TEST DATE —

T. P. 3550 C. P. 0 Choke Size 12 /64th

Closing TK Gge. 5 ft. 1 in. @ 12:00 NOON Time

Opening TK Gge. 4 ft. 5 1/4" in. @ 8:00 A.M. Time

Diff. 0 ft. 8 in. 7 Hours (Time)

Tank No. 902 Tank Coef. 1.16

Bbls. per 4 Hrs. 9.28 Est. Bbls. per Day 35.68

Daily Gas Vol. 156936 "M" C.F. G/O Ratio 28.736

B.S.&W. 0 % Corrected Gravity 47.7 Deg. A.P.I.

Witnessed [Signature] Title GAUGER

Gauged by [Signature] Title _____
Department of Conservation

District Office _____

Remarks: 3" METER RUN 1 7/8"
ORIFICE 5 1/4" DIFF @ 830 #
12" - 50" X 1000 # CHART

* Thousands 4382 1/2 66197 Form S D M-2
50M 10-56 T.J.M.

July 20, 1960

Mr. Thos. H. Winfield, Chief Engr.
Department of Conservation
State Capital Building
Baton Rouge, Louisiana

Dear Sir:

Find enclosed copy of Well History and Work Returns Report on each of the following wells:

Cyprus Oil Co.-Phelps Dodge Corp.
A. P. Dohbertine No. 2
Cameron Parish, La.

Serial No. 78960
Johnsons Bayou Field

Forest Oil Corp.
W. B. Miller No. 13-D
Cameron Parish, La.

Serial No. Applied
Crab Lake Field

Forest Oil Corp.
M. G. Miller No. 13
Cameron Parish, La.

Serial No. 79019
Crab Lake Field

General Crude Oil Co.
Miguel Corporation No. 1
Cameron Parish, La.

Serial No. 76866
Little Pecan Lake Field

General Crude Oil Co.
Miguel Corporation No. 1-D
Cameron Parish, La.

Serial No. Applied
Little Pecan Lake Field

Gulf Oil Corp. Houston Prod. Division
M. P. Erwin "A" No. 16
Cameron Parish, La.

Serial No. 17364
East Hackberry Field

Yours very truly,

ARSENE P. EDWARDS
District Manager
Lake Charles, La.

APB:jm

Incl.

cc. State Geologist
Baton Rouge, La.

P
July 23, 1960

Mr. Lee Hough, State Geologist
Geological Survey
Box 8847 University Station
Baton Rouge, Louisiana

Dear Sir:

Find enclosed a copy of the Electrical Log on each of the following wells:

Arkansas Fuel Oil Corporation
Campbell Farms No. 1
Jeff Davis Parish, Louisiana

Serial No. 79958
Wildcat

F. A. Callery
Missi Corp. No. 2
Cameron Parish, Louisiana

Serial No. 78859
South Pecan Lake Field

Continental Oil Company
005-0530 No. 2
O.S. Cameron Parish, Louisiana

Serial No. 79799
E. Cameron Blk. 126

Cyprus Oil Company
A. P. Dobbertine No. 2
Cameron Parish, Louisiana

Serial No. 73960
Johnica Bayou Field

Forest Oil Corp.
H.D. Miller No. 13
Cameron Parish, Louisiana

Serial No. 79019
Crab Lake Field

Yours very truly,

ARSENÉ F. EDWARDS
District Manager
Lake Charles, La.

APF:ja

Encl.

STATE OF LOUISIANA
OFFICE OF CONSERVATION

Inter Office

Date: 9/23/80

To: Baton Rouge Office
From: Lake Charles District
Attn: Joseph F. DeVall

Enclosed herewith please find application from Watson Oil Corporation

for permit to amend operator
their M. O. Miller #13, Crab Lake Field
Cameron Parish, Louisiana. Zone onshore

Also enclosed please find:

Check No. 110318 in the amount of \$ 25.00.

Well location plat
Well location certification

Form A.D.C.
Electric Log
Schematic diagram
(Dual) structure map if well does not comply with existing Orders
(Selective-Onshore) structure map showing reservoir limits
(Selective-Offshore) letter(s) of no objection from offset operators

Applicable Department of Conservation Order No. 29-B.

Pending Hearing, Docket No. _____.

Remarks & Recommendations:

Recommend approval. Routine.

FORMERLY: Zinn Petroleum Co.

By _____
District Manager

W.C.WILHITE

cc: Geological Oil & Gas Division
Prod. Audit (for Amended Permits only)

LT-1

WORK PERMIT

PERMIT TO Squeeze & Perforate DATE March 15, 1962
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 1125 OCS, Lafayette, La.
WELL NAME M. O. Midler No. 13 SEC 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Squeeze off perforation 11,784-
11,800' perforate 11,784-11,790, Subject to cancellation
of allowable prior to commencement of work.

TD 12,614

PERMIT REQUESTED BY JOHN C. WILLIS
Company Representative

CL Sand
CK Sand
11660

AUTHORIZED BY *Willis*
for FREDDIE J. BOUDREAU
Lake Charles, La.
District Office

WORK PERMIT

PERMIT TO Perforate & Squeeze DATE 4-2-62
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 1125 OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perforate and squeeze 11354' to 11355'.

PERMIT REQUESTED BY JOHN C. WILLIS TD. 12614'
Company Representative

AUTHORIZED BY *W. J. Boudreaux*
FREDDIE J. BOUDREAU
Lake Charles, La.
District Office

WORK PERMIT

PERMIT TO Perforate DATE 4-2-62
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 1125 OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perforate 11338' to 11341'
and 11348' to 11354' for production.

PERMIT REQUESTED BY JOHN G. WILLIS TD 12614'
Company Representative

AUTHORIZED BY *W. Lee*
for FREDDIE J. BOUDREAUX
Lake Charles, La.
District Office

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Plugback
L.C. #11

WORK PERMIT

PERMIT TO Plugback DATE 4-3-62
PARISH Cameron FIELD Crab Lake
COMPANY Forrest Oil Corp.
ADDRESS P. O. Box 1125 OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79091 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Set Baker Model K cement retainer,
at 11,660' and dump 4' cement on top of retainer. Plug perf.
11,784-800'.

TD 12,614'

PERMIT REQUESTED BY JOHN C. WILLIS

Company Representative

Willis
AUTHORIZED BY FREDDIE J. BOUDREAU
Lake Charles, La.

District Office

LANE-WELLS COMPANY
A Division of Dresser Industries
COMPLETION SERVICE DATA SHEET

WLU



DATE _____

Customer Fossil Oil Co Job Scheduled _____ AM
Well No. 21.0 of No. 13 Arrived Location _____ PM
Field Carl Lake On Job _____ AM
SO No. 41286 Off Job _____ PM
Hrs. Standby _____

Customer Depth 11,660
Lane-Wells Depth _____
Zero Point 7' above R.T.
Perm. Ref. Datum 17.70 above B.M.F.
Top of Cement _____

Services Performed on This Set Up: GP _____ K/S PFC _____ R/A _____ B/P _____ PKR Behav Other LWD Bits

Subsurface Tools Run _____ Series-Type _____ Size _____ No. of Runs _____ Fluid oil
Wt.-Vis. 100 - 55
Level 7 feet
Max. Temp. _____

Casing Size 7" From _____ To _____ Liner Size _____ From _____ To _____ Tubing Size _____
Set at _____

Plug-Pkr. Serial No. _____ Top ordered at _____ Top set at _____ Size _____ Kind _____ PO _____

Perforating Zones 1 Holes From 11,355 To 11,354 Setting Depths and/or
Perf. Zones Approved By _____ Title WLU
L-W Crew Frank Dean J. J. Landry
Truck No. P. 136 Dist. LC Base L.C.

Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

RECEIVED
 APR 3 1962
 DEPARTMENT OF MINERALS
 LAKE CHARLES

RUNNING TIME

		C.C. Depths LW Other					
1) In From _____ to _____	A.M. P.M.	C.C. Depths This Run					
Out From _____ to _____	A.M. P.M.						
Fluid _____							
In _____ Out _____							
Holes _____ Total _____							
Misses _____ Total _____	Closing of firing switch witnessed by _____						
2) In From _____ to _____	A.M. P.M.	C.C. Depths This Run					
Out From _____ to _____	A.M. P.M.						
Fluid _____							
In _____ Out _____							
Holes _____ Total _____							
Misses _____ Total _____	Closing of firing switch witnessed by _____						
3) In From _____ to _____	A.M. P.M.	C.C. Depths This Run					
Out From _____ to _____	A.M. P.M.						
Fluid _____							
In _____ Out _____							
Holes _____ Total _____							
Misses _____ Total _____	Closing of firing switch witnessed by _____						
4) In From _____ to _____	A.M. P.M.	C.C. Depths This Run					
Out From _____ to _____	A.M. P.M.						
Fluid _____							
In _____ Out _____							
Holes _____ Total _____							
Misses _____ Total _____	Closing of firing switch witnessed by _____						
5) In From _____ to _____	A.M. P.M.	C.C. Depths This Run					
Out From _____ to _____	A.M. P.M.						
Fluid _____							
In _____ Out _____							
Holes _____ Total _____							
Misses _____ Total _____	Closing of firing switch witnessed by _____						
6) In From _____ to _____	A.M. P.M.	C.C. Depths This Run					
Out From _____ to _____	A.M. P.M.						
Fluid _____							
In _____ Out _____							
Holes _____ Total _____							
Misses _____ Total _____	Closing of firing switch witnessed by _____						

Mileage: From _____ to _____

Mileage: From _____ to _____

LANE-WELLS COMPANY
A Division of Dresser Industries
COMPLETION SERVICE DATA SHEET

DATE 11/15/62

Customer Perm. K. Wells Job Scheduled _____ AM
Perm. K. Wells Job Scheduled _____ PM
 Customer Depth 11:35
 Well No. 7100 Well #13 Arrived Location _____ AM
 Lane-Well's Depth _____ PM
 Field Coke Field On Job _____ AM
 Zero Point 11:1 11:2 11:3 11:4 11:5 PM
 SO No. 41714 Off Job _____ AM
 Perm. Ref. Datum 2:30 PM
 Hrs. Standby _____ Top of Cement _____

Services Performed on This Set Up: GP _____ K/S _____ PFC _____ R/A _____ B/P _____ PKR _____ Other _____

Subsurface Tools Run _____ Series-Type _____ Size _____ No. of Runs 3 Fluid Mud
 _____ _____ _____ _____ _____ Wt.-Vis. 10.5
 _____ _____ _____ _____ _____ Level 2.5
 _____ _____ _____ _____ _____ Max. Temp. _____

Casing Size 7" From _____ To _____ Liner Size _____ From _____ To _____ Tubing Size _____
 Set at _____

Plug-Pkr. Serial No. _____ Top ordered at _____ Top set at _____ Size _____ Kind _____ PO _____

Perforating Zones 24 Holes From 11344 To 11348 Setting Depths and/or
12 11344 11348 Perf. Zones Approved By [Signature] Title _____
 L-W Crew [Signature]
 Truck No. 2732 Dist. [Signature] Base [Signature]

	Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
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25						

RECEIVED
APR 3 1962
DEPARTMENT OF MINERALS
LAKE CHARLES

RUNNING TIME

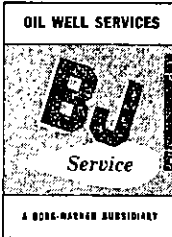
		C.C. Depths LW Other					
1)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
2)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
3)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
4)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
5)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
6)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					

Mileage: From _____ to _____
Mileage: From _____ to _____

CEMENTING OPERATIONS

JOB TICKET

NEW WELL OLD WELL



DIVISION: HOUSTON
 DISTRICT: LAKE CHARLES P 84299
 DATE: 4/4/62
 CUSTOMER ORDER No.:

CUSTOMER FOREST OIL CORPORATION OWNER OF WELL SAME
 MAIL INVOICE TO BOX 1125 AEGS WELL NO. 13 LEASE 111111
 CITY LAFAYETTE STATE LA FIELD GRAND CHANIER COUNTY CAMERON
 AUTHORIZED BY STATE LOUISIANA

Owner, Contractor, or his Agent submits the following data for the Service Job to be performed:

Type Job: Displace Depth: 116 1/2 Ft. CEMENT DATA: Bulk Sacks Bulk Ticket No. B
 Surface Intermediate Production Remedial Socks: Brand Type % Gel Admixes
 Size Hole: Depth: Ft.
 Size & Wt. Casing: 7" New Used Depth: Ft.
 Size & Wt. D. Pipe or Tubing 2 3/4 4.75 Depth: 116 1/2 Ft.
 Top Plugs: Type: Weight of Slurry: Lbs./Gal. Lbs./Cu. Ft. Lbs./Gal. Lbs./Cu. Ft. Lbs./Gal. Lbs./Cu. Ft.
 Bottom Plugs: Type: Volume of Slurry:
 Other: Sacks Cement Treated With % of

Additional Instructions or Data: SHORT STRING AT 11:30

CONTRACT CONDITIONS: (This agreement must be signed before work is commenced)

The undersigned, as authorized agent of the customer, agrees and acknowledges that the work provided for in this order shall be subject to these terms and conditions. It is understood that the work shall be under the direction, supervision and control of the owner, operator, or his agent, whose signature appears below; that BJ Service, Inc. will perform the work as an independent contractor and not as an employee or agent of the owner or operator; that because of uncertain and/or unknown conditions existing in oil wells, BJ Service, Inc. does not guarantee the results of the work to be performed nor shall BJ Service, Inc. be liable for damage to property of well owner and/or customer unless caused by its willful negligence, this provision applying, but not limited to, subsurface damage and surface damage arising from sub-surface damage; that well owner and/or customer shall be responsible for, and shall secure BJ Service, Inc. against, any liability for reservoir loss or damage, or property damage arising from a well blowout, unless such damage is caused by the willful negligence of BJ Service, Inc. It is further agreed that should any of the equipment of BJ Service, Inc. be lost or damaged at or in the well, well owner and/or customer shall either recover the same or pay for such equipment, unless such loss or damage is caused by the negligence of BJ Service, Inc. It is further understood that all charges hereunder shall be subject to seven percent (7%) interest beginning on the first day of the second month after services and/or materials are furnished. It is expressly understood and agreed that BJ Service, Inc. will not be bound by any agreement not herein contained, and no agent or representative employed directly or indirectly by BJ Service, Inc. has authority to alter or amend the terms of this agreement. I have read, understand and accept the foregoing conditions, and represent that I am authorized to sign this order as the agent of the owner or contractor.

Signed: [Signature]
 AGENT OF OWNER OR CONTRACTOR

Truck Called	Time	Date	Fluid Pumped:	Gum Ft. Gal. Bbl.	Mud Gal. Bbl.	Gum Ft. Gal. Bbl.	Other
Station Clock			Pressure Max.:	P.S.I.	P.S.I.	P.S.I.	
Arrived at Job			Pressure Circ.:	P.S.I.	P.S.I.	P.S.I.	
Start Operation			Cement Left in Pipe:	Ft.	Requested <input type="checkbox"/>	Necessity <input type="checkbox"/>	
Finish Operation			Pumped Down by:	Pump Truck <input checked="" type="checkbox"/>	Rig Pump <input type="checkbox"/>		
Released			Measured Displacement by:	Volume <input type="checkbox"/>	Wireline <input type="checkbox"/>	Standby Truck No.	
Left Well			SERVICE ENGINEER	EQUIPMENT OPERATOR	TRUCK No.	No. STAGES	
Station Clock			<u>C. BRAGHAR</u>	<u>SUMRALL</u>	<u>1216</u>		
Miles from Station to Well:							
Other Equipment:							

PRICE REF No.

PRICING DATA: This is not on invoice. Price is subject to review and correction.

235

274 00

RECEIVED
 APR 9 1962
 TOTAL 274 00
 LAKE CHARLES

REMARKS

Priced by: C. B. Ashman

The above job was performed.

Signed: [Signature]
 AGENT OF OWNER OR CONTRACTOR

Copy to Customer

STATE OF CALIFORNIA
DEPARTMENT OF REVENUE
SALES TAX REPORT

NAME OF TAXPAYER
ADDRESS
CITY
COUNTY
STATE

DATE OF REPORT
PERIOD FOR WHICH REPORT IS MADE

AMOUNT OF SALES TAX COLLECTED
AMOUNT OF SALES TAX PAID
NET SALES TAX

DATE	DESCRIPTION	AMOUNT
1/1/78	SALES TAX COLLECTED	100.00
1/1/78	SALES TAX PAID	20.00
1/1/78	NET SALES TAX	80.00
1/2/78	SALES TAX COLLECTED	150.00
1/2/78	SALES TAX PAID	30.00
1/2/78	NET SALES TAX	120.00
1/3/78	SALES TAX COLLECTED	200.00
1/3/78	SALES TAX PAID	40.00
1/3/78	NET SALES TAX	160.00
1/4/78	SALES TAX COLLECTED	250.00
1/4/78	SALES TAX PAID	50.00
1/4/78	NET SALES TAX	200.00
1/5/78	SALES TAX COLLECTED	300.00
1/5/78	SALES TAX PAID	60.00
1/5/78	NET SALES TAX	240.00
1/6/78	SALES TAX COLLECTED	350.00
1/6/78	SALES TAX PAID	70.00
1/6/78	NET SALES TAX	280.00
1/7/78	SALES TAX COLLECTED	400.00
1/7/78	SALES TAX PAID	80.00
1/7/78	NET SALES TAX	320.00
1/8/78	SALES TAX COLLECTED	450.00
1/8/78	SALES TAX PAID	90.00
1/8/78	NET SALES TAX	360.00
1/9/78	SALES TAX COLLECTED	500.00
1/9/78	SALES TAX PAID	100.00
1/9/78	NET SALES TAX	400.00
1/10/78	SALES TAX COLLECTED	550.00
1/10/78	SALES TAX PAID	110.00
1/10/78	NET SALES TAX	440.00
1/11/78	SALES TAX COLLECTED	600.00
1/11/78	SALES TAX PAID	120.00
1/11/78	NET SALES TAX	480.00
1/12/78	SALES TAX COLLECTED	650.00
1/12/78	SALES TAX PAID	130.00
1/12/78	NET SALES TAX	520.00
1/13/78	SALES TAX COLLECTED	700.00
1/13/78	SALES TAX PAID	140.00
1/13/78	NET SALES TAX	560.00
1/14/78	SALES TAX COLLECTED	750.00
1/14/78	SALES TAX PAID	150.00
1/14/78	NET SALES TAX	600.00
1/15/78	SALES TAX COLLECTED	800.00
1/15/78	SALES TAX PAID	160.00
1/15/78	NET SALES TAX	640.00
1/16/78	SALES TAX COLLECTED	850.00
1/16/78	SALES TAX PAID	170.00
1/16/78	NET SALES TAX	680.00
1/17/78	SALES TAX COLLECTED	900.00
1/17/78	SALES TAX PAID	180.00
1/17/78	NET SALES TAX	720.00
1/18/78	SALES TAX COLLECTED	950.00
1/18/78	SALES TAX PAID	190.00
1/18/78	NET SALES TAX	760.00
1/19/78	SALES TAX COLLECTED	1000.00
1/19/78	SALES TAX PAID	200.00
1/19/78	NET SALES TAX	800.00
1/20/78	SALES TAX COLLECTED	1050.00
1/20/78	SALES TAX PAID	210.00
1/20/78	NET SALES TAX	840.00
1/21/78	SALES TAX COLLECTED	1100.00
1/21/78	SALES TAX PAID	220.00
1/21/78	NET SALES TAX	880.00
1/22/78	SALES TAX COLLECTED	1150.00
1/22/78	SALES TAX PAID	230.00
1/22/78	NET SALES TAX	920.00
1/23/78	SALES TAX COLLECTED	1200.00
1/23/78	SALES TAX PAID	240.00
1/23/78	NET SALES TAX	960.00
1/24/78	SALES TAX COLLECTED	1250.00
1/24/78	SALES TAX PAID	250.00
1/24/78	NET SALES TAX	1000.00
1/25/78	SALES TAX COLLECTED	1300.00
1/25/78	SALES TAX PAID	260.00
1/25/78	NET SALES TAX	1040.00
1/26/78	SALES TAX COLLECTED	1350.00
1/26/78	SALES TAX PAID	270.00
1/26/78	NET SALES TAX	1080.00
1/27/78	SALES TAX COLLECTED	1400.00
1/27/78	SALES TAX PAID	280.00
1/27/78	NET SALES TAX	1120.00
1/28/78	SALES TAX COLLECTED	1450.00
1/28/78	SALES TAX PAID	290.00
1/28/78	NET SALES TAX	1160.00
1/29/78	SALES TAX COLLECTED	1500.00
1/29/78	SALES TAX PAID	300.00
1/29/78	NET SALES TAX	1200.00
1/30/78	SALES TAX COLLECTED	1550.00
1/30/78	SALES TAX PAID	310.00
1/30/78	NET SALES TAX	1240.00
1/31/78	SALES TAX COLLECTED	1600.00
1/31/78	SALES TAX PAID	320.00
1/31/78	NET SALES TAX	1280.00
TOTAL		
SALES TAX COLLECTED		16000.00
SALES TAX PAID		3200.00
NET SALES TAX		12800.00

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles

DISTRICT

Re: Well Serial No.: 79019

Completed Flowing Operator: Forest Oil Corp.
 Recompleted Gas-Lifting Well Name: Dr. M. O. Miller
 Oil Pumping Well No.: 13, Sec. 29, Twp. 15S, Rge. 5W
 Gas Shut-In Field: Crab Lake
 Parish: Cameron

Date Completed or Recompleted 4-4-62 at 11:00 ~~(a.m.)~~ (p.m.)

COMPLETION DATA

Initial Production 60 BOPD Gas Volume 3000 MCF/Day
 Tubing Pressure 3850 psig Casing Pressure 0 psig
 Choke Size 12/64 Positive Adjustable B.S.&W. 0 %
 Gas/Oil Ratio 50,000 CF/Bbl. Gravity _____ at 60° A. P. I.
 Producing Depth: From 11,338 Ft. to 11,354 Ft. T. D. 12,614 Ft.
 Name of Producing Sand: "CJ" Sand

*New Pool *Old Pool List Reason(s) for Pool Classification _____
New Pool - No previous production from this zone before.

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes No

29-E Unit Attached - Yes No

DATE: _____

Forest Oil Corporation
COMPANY

John C. ...
COMPANY REPRESENTATIVE

RECEIVED
 APR 9 1962
 DEPARTMENT OF CONSERVATION
 LAKE CHARLES DISTRICT OFFICES

From - Comp.

TITLE

Dist. Prod. Supt.

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required, within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production - - - as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

T E S T D A T A

<u>Date of Test</u>	<u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
_____	M. to _____ M.	_____ Barrels
TOTAL		_____ BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

COMPANY (Signed) COMPANY REPRESENTATIVE



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD

Crab Lake

SERIAL NO.

79019

PRODUCING INTERVAL

11,338'-11,341' & 11,348'-11,354'

RESERVOIR (COMPANY SAND IDENTIFICATION)

"CJ"

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion or recompletion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL [] RECOMPLETION [X] SAME RESERVOIR [] DIFFERENT RESERVOIR [X] OIL [] GAS [X] P&A []

OPERATOR

Forest Oil Corporation

ADDRESS

P. O. Box 1125 O.C.S., Lafayette, La

LEASE NAME

Dr. M. O. Miller

WELL NO.

13

PARISH

Cameron

SEC. 29

TWP. 15S

RGE. 5W

DATE PERMIT ISSUED

DATE SPUDDED

March 16, 1962

TOTAL DEPTH

11,660'

PBTD

11,612'

GROUND ELEVATION

1 ft.

CASING HEAD FLANGE ELEVATION

1 ft.

DISTANCE FROM RKB TO CHF

16.20'

DATE WELL TURNED INTO TANKS

4-4-62

SINGLE, DUAL OR TRIPLE COMPLETION?

Dual

NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED?

No

WAS DIRECTIONAL SURVEY MADE?

No

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?

DATE FILED

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)

Chlorine, Bond Log.

DATE FILED

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HRS. UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
16"	22"	42.8	123	200+4%gel		12		John Knox-Agent
10 3/4"	15"	40.5&45	350.32	1500+4%gal	1500	8	4-16-60	" " "
7"	9 7/8"	29&32	12420	1000	1500	10	5-23-60	S.J. Iles -Dept.
5"	6"	18	12612	70	2000	12	6-1-60	E.N.O'Day-Agent

TUBING SIZE: 2 3/8"

DEPTH OF TUBING: 11,612'

DEPTH OF PACKER (S): 11,612'

INITIAL COMPLETION OR RE-COMPLETION DATA

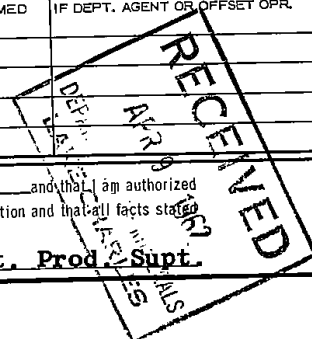
INITIAL PRODUCTION	GAS VOLUME	CHOKE SIZE	WELL STATUS
60 BOPD	3.0 MCF/DAY	12/64"	Gas
TUBING PRESSURE	CASING PRESSURE	GOR	BHP - (SHUT-IN)
3850 psig	Packer psig	50,000	0 % 5238 psi
GRAVITY	CONSERVATION AGENT MAKING GAUGE	COMPANY REPRESENTATIVE	DATE GAUGED
*API 660°F		John C. Willis	4-5-62

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by Forest Oil Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: John C. Willis Title: Dist. Prod. Supt.



WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
Pf.&Sq. L.C.#50	6-2-60	Lane Wells & Baker Oil Tools	Perforate & squeeze off water.
Applied for	6-4-60	Lane Wells & Baker Oil Tools	Perforate & squeeze off water.
Pf.L.C.#171	6-7-60	Lane Wells	Perforate for production.
Sq.&Pf. L.C.#74	6-8-60	H.O.W.Co. & Lane Wells	Squeeze off water & reperformate.
Applied for	6-24-60	Lane Wells	Perforate for production.
Pf. L.C.#221	5-31-60	Lane Wells	Perforate for production.
Pf.&Sq. L.C.#65	6-1-60	Lane Wells & H.O.W.Co.	Squeeze off water.
Pf.&Sq. L.C.#52	6-20-60	Lane Wells & H.O.W.Co.	Squeeze off water.
Pf. L.C.#189	6-20-60	Lane Wells	Perforate for production.
Sq. L.C.#52	6-20-60	H.O.W.Co.	Squeeze off water.
Pf.&Sq. L.C.#60	4-2-62	Lane Wells & B.J.Service	Squeeze off water.
Set cmt. ret.L.C.#11	4-3-62	Lane Wells & B.J.Service	Squeeze off water.
Pf.L.C.#127	4-2-62	Lane Wells	Perforate for production.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

App 5/1/62

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT Re: Well Serial No.: 79019

Completed Flowing Operator: Forest Oil Corp.
Recompleted Gas-Lifting Well Name: Dr. M. O. Miller
Oil Pumping Well No.: 13, Sec. 29, Twp. 15S, Rge. 5W
Gas Shut-In Field: Crab Lake
Parish: Cameron

Date Completed or Recompleted 5-4-62 at 11:00 ~~(a.m.)~~ (p.m.)

COMPLETION DATA

Initial Production 60 BOPD Gas Volume 3000 MCF/Day
Tubing Pressure 3850 psig Casing Pressure 0 psig
Choke Size 12/64 Positive Adjustable B.S.&W. 0 %
Gas/Oil Ratio 50,000 CF/Bbl. Gravity _____ at 60° A. P. I
Producing Depth: From 11,338 Ft. to 11,354 Ft. T. D. 12,614 Ft.
Name of Producing Sand: "CJ" Sand

*New Pool *Old Pool List Reason(s) for Pool Classification _____
New Pool - No previous production from this zone before.

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

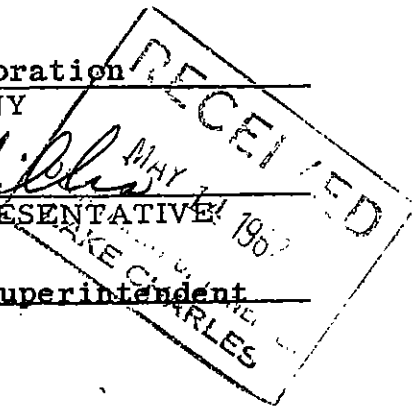
I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes No
29-E Unit Attached - Yes No

DATE: _____

Forest Oil Corporation
COMPANY
John A. Miller
COMPANY REPRESENTATIVE
District Production Superintendent
TITLE



From - Comp.

POTENTIAL REPORT

Type Well: Oil _____ Gas X Distillate _____

Type Test: Comp. _____ Recomp. X Retest _____ Regauge _____

Parish CAMERON Field CRAE LAKE

Company FOREST OIL Serial No. 79019

Well Name & No. DR. M. O. MILLER #13

Location: Sec. 29 Twp. 15-3 Rge. 5-4 Flowing X Pump _____

Prod. Horizon T SAND Perf. Int. 11,358 to 11,354

Casing Setting: Size 7" @ 11,820

Tubing Setting: Size 2 3/8" @ 11,258 T.D. 11,820

Date Completed 5-7-62 Date Gauged 5-9-62

Acidize with _____ gals. Elev. of Derr. Floor 18'

— TEST DATE —

T. P. 3550" C. P. _____ Choke Size 29 /64th

Closing TK Gge. 5 ft. 10 1/2 in. @ 2:30 PM. Time

Opening TK Gge. 5 ft. 0 in. @ 10:30 AM Time

Diff. 0 ft. 10 1/2 in. 4 Hours (Time)

Tank No. 903 Tank Coef. 1.16

Bbls. per 4 Hrs. 12.18 Est. Bbls. per Day 73.08

Daily Gas Vol. 3,000 M.C.F. G/O Ratio 41.096

B.S.&W. _____ % Corrected Gravity 49 8/10 Deg. A.P.I.

Witnessed W. C. West Title GAUGER

Gauged by Ben Halemb Title P. I. No. 1
Department of Conservation

District Office Lake Charles

Remarks: 3" X 1 3/4" ORIFICE

STATIC 840" @ 26" DIFF.

STANDARD CHART FLANGE

ON LINE 5-9-62

WORK PERMIT

PERMIT TO Perforate & Squeeze DATE 6-1-60
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 1125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION 614.3' S of North line and 1979.7' West of
East line.
YOU ARE HEREBY AUTHORIZED TO Perforate and squeeze
12539.

PERMIT REQUESTED BY JOHN C. WELLIS TD 12614'
Company Representative

AUTHORIZED BY
ARSENE P. EDWARDS, District Manager
District Office

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Squeeze
L. C. #129

WORK PERMIT

PERMIT TO Squeeze DATE 12/7/65
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 51125 OCS, Lafayette, La.
WELL NAME H. O. Miller No 13 SEC 29 T 15S R 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Sq. perfs. 11338 to 41' & 11348
to 54' w/40 sxs. #

PERMIT REQUESTED BY JOHN C. WILKINS TD 12614'
Company Representative

AUTHORIZED BY Wiley
WILLIAM C. WILKINS
Lake Charles, La.
District Office

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Workover
L. C. #54

WORK PERMIT

PERMIT TO Workover DATE 12/7/65
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 51125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 213 SEC 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Squeeze perfs. 11338 to 41' w/100
ecs., perf. 12344 to 52; test and complete if successful

PERMIT REQUESTED BY JOHN C. WILLIS TD. 12614'
Company Representative
AUTHORIZED BY *[Signature]*
WILLIAM C. WILLIAMS
Lake Charles, La.
District Office

#3

Perf. & Sq.
L. C. #177MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perf. & Sq. DATE 12/10/65
 PARISH Cameron FIELD Grab Lake
 COMPANY Forest Oil Corp.
 ADDRESS P. O. Box 51125 OCS, Lafayette, La.
 WELL NAME MB. Miller No. 13 SEC 29 T. 15S R. 5W
 WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
 LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perf. 12358 to 59 & 12390-91°
and squeeze w/100 axs.

TD. 12614

PERMIT REQUESTED BY JOHN C. WILLIS
 Company Representative

AUTHORIZED BY *Willis*
WILLIAM C. WILHITE
Lake Charles, La.
 District Office

Form 4

WORK ORDER PERFORATING GUNS ATLAS CORPORATION

No. _____

A

BRANCH Lake Charles

DATE 12-11-65

THIS WORK performed in accordance with terms and conditions specified on reverse side hereof, which we hereby approve and accept. Pricing, indicated hereon, subject to correction by our Invoicing Department, in accordance with latest price schedules.

CUSTOMER FOREST OIL CORP

By _____

ADDRESS Box 51125 O.C.S. LAF

WELL NAME & NO. MR. MILLER #13

FIELD CRAB LAKE

COUNTY & STATE CALIFORNIA LA

SERVICE CHARGE: (For a series of operations performed on the same set-up, only one service charge will be made) \$150.00

PERFORATE

From Depth	To Depth	Shots Per Foot	No. Shots in Area	Casing Size	Type of Perforating	Net Price
12422	12428	4	24	5"	3/8" jet	\$633 00

WIRE LINE BRIDGE PLUG

Size & Type	Depth	Serial Number	Brand Name	Casing Size	Casing Weight	Net Price

WIRE LINE OR OTHER SERVICE CHARGES

Setting Service with junk catcher run included

Operating time after first 3 hours (In connection with Wire Line Services) _____ Hrs. @ \$15.00/hr.

Stand-by time charged @ _____

Time Arrived on Job _____ A.M. _____ P.M. _____ 195 _____ Time of Leaving Job _____ A.M. _____ P.M. _____ 195 _____

Mileage One Way _____ Truck No. _____ Operator _____

REC'D

GENERAL CONDITIONS ATTENDING ALL SERVICES OF PGAC

TERMS OF PAYMENT: All accounts for the use and service of men, material and equipment furnished by PGAC shall be due in accordance with the invoice rendered. All accounts remaining unpaid after the expiration of 30 days from the date said use and service was furnished shall bear interest at a rate of 6% per annum. In the event the enforcement of the claim for indebtedness arising hereunder is placed in the hands of a collecting agency and/or an attorney for collection, the customer agrees to pay an extra charge of 10% of the total amount for collection fees.

DIRECTION AND SUPERVISION: PGAC in rendering services requested by the customer, does so as an independent contractor, recognizing that at all times the customer has complete custody and control of the well, the conditions created in the well, the drilling equipment and the well premises. A responsible representative of the customer must be present during the performance of our services, for the protection of both the customer and PGAC.

INFORMATION: Information obtained as a result of our services is held in strict confidence and will be released to others only upon written approval of the customer.

INSURANCE: PGAC agrees to carry at its own cost compensation insurance on its employees and public liability insurance on its operations.

CONDITION OF CUSTOMER'S PROPERTY: Customer certifies that the well in which the work ordered to be done is in proper and suitable condition for the performance of said work.

DAMAGES AND INJURIES: Due to the uncertain and unknown conditions and the incidental hazards under which the use and service of men, material and equipment of PGAC is furnished to the customer, PGAC cannot be liable for injuries to persons or damages to property. Customer agrees that it will not hold PGAC or any of its agents liable for any damage of any kind to customer's well, be the same above or below the surface arising from any cause whatsoever. All the preceding terms and conditions shall also apply in favor of any manufacturer or supplier of any equipment that PGAC may use in the well.

LOSS OF EQUIPMENT: In the event that tools or equipment of PGAC's should be lost in the performance of the work ordered, the customer agrees to either recover the property lost without cost to PGAC or to pay for same. The customer is to assume the entire responsibility of any fishing job resulting from the loss of tools or/and equipment. Employees of PGAC are authorized only to act in an advisory capacity. Any tools or equipment furnished in assisting the customer on a fishing job are furnished as an accommodation only and PGAC shall not be liable or responsible for any damage that may incur from their use.

TRANSPORTATION OF EQUIPMENT TO WELL: If in order to gain access to or return from the well to be serviced, it is necessary to repair roadbeds, or to provide tractors, barges or other special means of transportation for PGAC trucks, equipment or personnel, such shall be arranged and paid for by the customer.

WATER OPERATIONS: For water operations, the following additional charges apply per round trip:

- (1) For truck unit on customer's barge and towed by customer, \$150.00.
 - (2) Truck unit on PGAC barge and towed by customer, \$200.00.
 - (3) Truck unit on PGAC barge and towed by PGAC, \$300.00 (plus \$15.00 per hour for tow in excess of 24 hours).
- For a series of operations performed on the same set-up, only one water operation charge will be made.

MILEAGE CHARGE: There is a free mileage zone of 150 miles driving radius from any one of PGAC stations. The round trip mileage charge for every mile driven outside the free mileage zone is 50c per mile.

STAND-BY TIME: Stand-By Time is all that time spent at customer's location other than actual operating time. It includes periods PGAC is required to wait because of well conditions, testing, reconditioning, or customer's request. Time required for extra set-up or tear-down of PGAC equipment is considered Stand-By Time.

Stand-By Time will be computed from the time PGAC equipment or crew arrives on location or the time scheduled by the customer, whichever is later.

When PGAC equipment is waiting at one well and is released to service another well, Stand-By Time will not apply against the first well while the equipment is away, but will be resumed upon return.

An allowance of 10 free hours will be made on Stand-By Time prior to commencement of first operations.

An allowance of 5 free hours of Stand-By Time is allowed between each different type of service performed on the same set-up.

Beyond these allowances, charges will be made at the rate of \$15.00 per hour. This does not include the towing charge, if any.

COMBINING OF JOBS: Only those services performed on the same trip to the well will be combined under a single service charge. The release of PGAC crew and equipment will terminate the operation except when temporarily released at PGAC request to service another well.

DAYLIGHT OPERATIONS: A Daylight Operation is defined as one on which the customer's crew does not work around the clock and well operations are suspended at night. Shut-Downs in observance of safety regulations are to be considered in the same manner. Up to twelve hours will be allowed for a Shut-Down or Daylight Operation and all hours in excess of this time will be charged at the regular Stand-By Time of \$15.00 per hour.

INCOMPLETED OPERATIONS: No charge is applied if the operation is not completed due to failure of PGAC equipment. If an operation is attempted but cannot be completed due to well conditions, charges will be applied as follows:

- (1) Service Charge \$150.00.
- (2) Stand-By Time if applicable.
- (3) Mileage Charge if applicable.

If an operation is cancelled by a customer on arrival at well, round trip mileage will be charged from the nearest location without the 300 mile mileage exemption. In case of a barge job, Stand-By Time is charged from the time the unit left the base until returned.

In both cases of an attempted job or of a cancelled job the towing charge is made, if applicable.

TAXES: Any tax based on the sale of tangible personal property and/or the rendering of services ordered shall be added to the stated price.

PRICE CHANGES: Prices are subject to change at any time.

No employee of PGAC is empowered to alter the published prices or the above terms and conditions, nor shall his failure to enforce any of the above terms and conditions constitute a waiver of, or preclude subsequent enforcement, of any, or all of PGAC's terms and conditions.

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

79019

Lake Charles DISTRICT

Re: Well Serial No.: 80944

Completed Flowing Operator: Forest Oil Corporation
 Recompleted Gas-Lifting Well Name: M. O. Miller
 Oil Pumping Well No.: 13, Sec. 29, Twp. 15S, Rge. 5W
 Gas Shut-In Field Crab Lake
 Parish Cameron

Date ~~Completed~~ or Recompleted 12-24-65 at 10:00 (a.m.) (~~XXXX~~)

COMPLETION DATA

Initial Production 58 BOPD Gas Volume 3200 MCF/Day

Tubing Pressure 4475 psig Casing Pressure Packer psig

Choke Size 12/64 Positive Adjustable B.S. & W. 0 %

Gas/Oil Ratio 55,172 CF/Bbl. Gravity 44.3 at 60° A. P. I.

Producing Depth: From 12426 Ft. to 12432 Ft. T. D. 12,614 Ft.

Name of Producing Sand: "CO-2"

*New Pool *Old Pool List Reason(s) for Pool Classification _____
First comp. in this reservoir in this field.

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___
29-E Unit Attached - Yes ___ No ___

DATE: _____

Forest Oil Corporation

COMPANY
John C. Hillis
 COMPANY REPRESENTATIVE

RECEIVED
 JAN 3 1966
 DEPARTMENT OF CONSERVATION
 LAKE CHARLES

Dist. Prod. Supt.
TITLE

Form - Comp. SICW

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>TEST DATA</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
	TOTAL _____	BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY (Signed) COMPANY REPRESENTATIVE

W. Miller



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD	Crab Lake
SERIAL NO.	80944 79019
PRODUCING INTERVAL	12,426-32'
RESERVOIR (COMPANY SAND IDENTIFICATION)	11-60-2"

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion: NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL RECOMPLETION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS P & A

OPERATOR Forest Oil Corporation		ADDRESS P. O. Box 51125, OCS Lafayette, La.	
LEASE NAME M. O. Miller		WELL NO. 13	
PARISH Cameron	SEC. 29 TWP. 15S RGE. 5W	DATE PERMIT ISSUED WO 12-7-65	
DATE SPUDDED 4-9-60 11-24-65	DATE READY TO PRODUCE 12-24-65	TOTAL DEPTH 12,614	PBTD. 12,436
GROUND ELEVATION 1'	CASING HEAD FLANGE ELEVATION 1'	DISTANCE FROM RKB TO GHF 16'	
DATE WELL TURNED INTO TANKS	SINGLE, DUAL OR TRIPLE COMPLETION? Dual	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION	
WAS WELL DIRECTIONALLY DRILLED? No	WAS DIRECTIONAL SURVEY MADE? No	WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION? No	DATE FILED None
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION) IES		DATE FILED 6-6-60	

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS-STATE IF DEPT. AGENT OR OFFSET OPERATOR
16"	22"	42.8	123	200				
10 3/4"	15"	40.5&45	3503	1500	1500	1/2hr.	4-16-60	John Knox
7"	9 7/8"	29&32	12416	1000	1500	1/2hrs.	5-23-60	S. J. Iles
5"	6"	18#	12613	70	1500	1/2hr.	6-1-60	S. J. Iles

TUBING SIZE: 2 3/8" DEPTH OF TUBING: 12,382 DEPTH OF PACKER(S): 12,382

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION 58	GAS VOLUME 3,200	CHOKE SIZE 12/64	WELL STATUS SI
TUBING PRESSURE 4475 psig	CASING PRESSURE 0 psig	GOR 55,172	BHP - (SHUT-IN) 6356 psi
GRAVITY 44.3 *API 60°F	CONSERVATION AGENT MAKING GAUGE	COMPANY REPRESENTATIVE	DATE GAUGED 12-22-65

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS-STATE IF DEPT. AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by Forest Oil Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Form WH Signature: John C. Willis Title: Dist. Prod. Supt.

* Date well is equipped to produce, but due to no available market, no pipe line connection, etc.; the well has been shut-in.

1-3-66

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
#55	11-24-65 12-24-65	Holston Well Service	Sq. perfs. 11646-50 w/100 sxs. Perf. 12426-34; test and complete if successful
#54	11-24-65 12-24-65	Holston Well Service	Sq. perfs. 11338-41' w/100 sxs. Perf. 12344-52; test and complete if successful
#129	12-7-65	Halliburton	Sq. perfs. 11338-41 & 11348-54' w/40 sxs.
#128	12-7-65	Halliburton	Sq. perfs. 11646-50 w/70 sxs.
#177	12-9-65	Halliburton	Perf. 12358-59 & 12390-91 and sq. w/100 sxs.
#442	12-10-65	PGAC	Perf. 12426-32 w/4 shots/ft. by EL for comp.
#443	12-14-65	PGAC	Perf. 12344-52 w/4 shots/ft. by EL for comp.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

WO Non
breakdown

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

Type Test: Comp. _____ Recom. Retest _____ Regauge _____

Paris CAMERON Field Crab Lake

Company Forest Oil Co Serial No. 79019

Well Name & No. DR. H.O. Miller #13

Location: Sec 29 Twp. 15S Rge. 5W Flowing Pump _____

Prod. Horizon CO Perf. Int. 12426 to 12432

Casing Setting: Size 2 7/8" @ 12416

Tubing Setting: Size 2 3/8" @ 12575 T.D. 12614

Date Completed 1-4-66 Date Gauged 1-10-66

Acidize with _____ gals. Elev. of Derr. Floor 18.75

— TEST DATE —

T. P. 2380 C. P. 0 Choke Size 2X /64th

Closing TK Gg. 06.16 ft. _____ in. @ 4:15 PM Time

Opening TK Gg. 0000 ft. _____ in. @ 12:15 PM Time

Diff. 6.16 ft. _____ in. 4 Hours (Time)

Tank No. Metered Tank Coef. 1.00

Bbls. per 4 Hrs. 6.16 Est. Bbls. per Day 37

Daily Gas Vol. 4200 M.C.F. G/O Ratio 113.513

B.S.&W. 110 % Corrected Gravity 49.0 Deg. A.P.I.

Witnessed M.C. Watt Title PUMPER

Gauged by Raymond Dick Title _____
Department of Conservation

District Office Lake Charles

Remarks: 820 # @ 15"
3 x 2 1/4 O.P

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Workover
L. C. #17

WORK PERMIT

PERMIT TO Workover DATE 4/29/66
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 51125, OCS, Lafayette, La.
WELL NAME M. O. Miller No. 13 SEC. T. R.
WELL PERMIT SERIAL No. 70019 WORK PERMIT No.
LOCATION

YOU ARE HEREBY AUTHORIZED TO Sq. perfs. 12226 to 12,314-52
w/100 axs. Set ent. ret. 6122951. Perf. 12215 & 12254 to 80
& perf. 11260 to 64 & DST

TD 12616

PERMIT REQUESTED BY JOHN C. WILLIS
Company Representative

AUTHORIZED BY *Willis*
WILLIAM C. WILLIS
Lake Charles, La.
District Office

R

W



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD	Crab Lake
SERIAL NO.	79019
PRODUCING INTERVAL	12254-78
RESERVOIR (COMPANY SAND IDENTIFICATION)	N-2

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion; NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL RECOMPLETION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS P&A

OPERATOR		ADDRESS		
Forest Oil Corporation		P. O. Box 51125, OCS Lafayette, La.		
LEASE NAME		WELL NO.		
Dr. M. O. Miller		13		
PARISH	SEC.	TWP.	RGE.	DATE PERMIT ISSUED
Cameron	29	15-S	5W	4-29-66
DATE APPLIED	DATE READY TO PRODUCE	TOTAL DEPTH	PBTD.	
4-9-60	5-1-66	12,616	12,295	
GROUND ELEVATION	CASING HEAD FLANGE ELEVATION	DISTANCE FROM RKB TO CHF		
1'	1'	16'		
DATE WELL TURNED INTO TANKS	SINGLE, DUAL OR TRIPLE COMPLETION?	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION		
WAS WELL DIRECTIONALLY DRILLED?	WAS DIRECTIONAL SURVEY MADE?	WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?	DATE FILED	
No	No	No	None	
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)			DATE FILED	
IES			6-6-60	

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS-STATE IF DEPT. AGENT OR OFFSET OPERATOR
16"	22"	42.8#	200					
10 3/4"	15"	40.5&45#	3503	1500	1500	1/2hr	4-16-60	John Knox
7"	9 7/8"	29&32#	12416	1000	1500	1/2hr	5-23-60	S. J. Iles
5"	6"	18"	12613	70	1500	1/2hr	6-1-60	S. J. Iles

TUBING SIZE: 2 3/8" DEPTH OF TUBING: 12,248 DEPTH OF PACKER(S): 12,248-11,413 11,283

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME		CHOKE SIZE	WELL STATUS				
30	BOPD	2300	MCF/DAY	12/64	SI			
TUBING PRESSURE	CASING PRESSURE	GOR	BS & W	BHP - ISHUT-IN				
3325	psig	Packer	psig	76,666/1	0	%	5936	psi
GRAVITY	CONSERVATION AGENT MAKING GAUGE		COMPANY REPRESENTATIVE		DATE GAUGED			
49.9	*API*60°F		H. L. Allen		5-12-66			

PLUG AND ABANDON (P&A) DATA

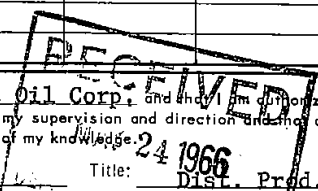
CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS-STATE IF DEPT. AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by Forest Oil Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Form WH

Signature: *John C. Willis*

Title: 24 1966 Dist. Prod. Supt.



* Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
LC #17	5-1-66 5-20-66	Lafayette Well Service Halliburton Lane Wells	Set Baker Model N bridge plug @ 12,302' & dumped 71' cement on top Perf, 12,247' (GR) w/4 shots/ft. Attempted to squeeze and could not break down formation Perf, 12,254-78 w/4 shots/ft. by EL for comp Perf. 11,336-42 w/4 shots/ft. by EL for comp.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

LANE-WELLS COMPANY
A Division of Dresser Industries
COMPLETION SERVICE DATA SHEET

DATE _____

Customer Forest Hill Corp. Job Scheduled _____ AM
Well No. M.O. Miller #13 Arrived Location _____ PM
Field Crook Lake On Job _____ AM
SO No. 151487 Off Job _____ PM
Customer Depth 12506
Lane-Wells Depth 12305.5
Zero Point 17.70 H.B.H.F.
Perm. Ref. Datum B.H.F.
Hrs. Standby _____ Top of Cement _____

Services Performed on This Set Up: GP _____ K/S _____ PFC _____ R/A _____ B/P PKR _____ Other _____

Subsurface Tools Run _____ Series-Type _____ Size _____ No. of Runs _____ Fluid med
Wt.-Vis. 10.5
Level Full
Max. Temp. _____

Casing Size 7" 21432 From 5085 To 12416 Liner Size _____ From _____ To _____ Tubing Size _____
Set at _____

Plug-Pkr. Serial No. 350-227-B Top ordered at 12302 Top set at 12302 Size 3 B.H. Kind C.I. PO _____
Mary M. Miller

Perforating Zones 62 Holes ^{at} From 12247 To _____ Setting Depths and/or
Perf. Zones Approved By H.L. Miller Title _____
L-W Crew Pro Case Thomas
Truck No. P-1031 Dist. Spur Ln. Base Lake Charles

Run No.	Run No. 1	Run No. 2	Run No. 3	Run No. 4	Run No.	Run No.
1	<u>Run Baker J.C.</u>	<u>at Baker No</u>	<u>L.V.D.B. 5</u>	<u>12247 (47.5)</u>		
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

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LAKE CHARLES

RUNNING TIME

C.C. Depths LW Other						
-------------------------	--	--	--	--	--	--

1) In From _____ to _____ A.M.
P.M.
Out From _____ to _____ A.M.
P.M.
Fluid _____
In _____ Out _____
Holes _____ Total _____
Misses _____ Total _____

C.C. Depths This Run						
Closing of firing switch witnessed by _____						

2) In From _____ to _____ A.M.
P.M.
Out From _____ to _____ A.M.
P.M.
Fluid _____
In _____ Out _____
Holes _____ Total _____
Misses _____ Total _____

C.C. Depths This Run						
Closing of firing switch witnessed by _____						

3) In From _____ to _____ A.M.
P.M.
Out From _____ to _____ A.M.
P.M.
Fluid _____
In _____ Out _____
Holes _____ Total _____
Misses _____ Total _____

C.C. Depths This Run						
Closing of firing switch witnessed by _____						

4) In From _____ to _____ A.M.
P.M.
Out From _____ to _____ A.M.
P.M.
Fluid _____
In _____ Out _____
Holes _____ Total _____
Misses _____ Total _____

C.C. Depths This Run						
Closing of firing switch witnessed by _____						

5) In From _____ to _____ A.M.
P.M.
Out From _____ to _____ A.M.
P.M.
Fluid _____
In _____ Out _____
Holes _____ Total _____
Misses _____ Total _____

C.C. Depths This Run						
Closing of firing switch witnessed by _____						

6) In From _____ to _____ A.M.
P.M.
Out From _____ to _____ A.M.
P.M.
Fluid _____
In _____ Out _____
Holes _____ Total _____
Misses _____ Total _____

C.C. Depths This Run						
Closing of firing switch witnessed by _____						

Mileage: From _____ to _____
Mileage: From _____ to _____

LANE-WELLS COMPANY
A Division of Dresser Industries
COMPLETION SERVICE DATA SHEET

Permit No. 11-1000

Willie

DATE _____

Customer Leitch, C. P. Job Scheduled _____ AM
Customer Depth 12295 PM
Well No. 12250-12269 #13 Arrived Location _____ AM
Lane-Wells Depth _____ PM
Field Leitch Lake On Job _____ AM
Zero Point 17.70 B.H.F. PM
SO No. 151486 Off Job _____ AM
Perm. Ref. Datum B.H.F. PM
Hrs. Standby _____ Top of Cement _____

Services Performed on This Set Up: GP _____ K/S _____ PFC _____ R/A _____ B/P _____ PKR _____ Other _____

Subsurface Tools Run _____ Series-Type _____ Size _____ No. of Runs _____ Fluid Mud
Wt.-Vis. 10.7
Level Full
Max. Temp. _____

Casing Size 7 5/8 From SURF To 12416 Liner Size _____ From _____ To _____ Tubing Size _____
Set at _____

Plug-Pkr. Serial No. _____ Top ordered at _____ Top set at _____ Size _____ Kind _____ PO _____

Perforating Zones 104 Holes From 12250 To 12256 Setting Depths and/or
Perf. Zones Approved By [Signature] Title _____
L-W Crew Lo Castle Binonis Stanbury
Truck No. 1031 Dist. Spw La. Base Leitch Charles

	Run No. <u>1</u>	Run No. <u>2</u>	Run No.	Run No.	Run No.	Run No.
1	<u>12250 (80.5)</u>	<u>12269 (69.5)</u>				
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
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LAKE CHARLES

RUNNING TIME

RUNNING TIME		C.C. Depths LW Other					
1)	In From _____ to _____	A.M. P.M.	C.C. Depths This Run				
	Out From _____ to _____	A.M. P.M.					
	Fluid _____						
	In _____ Out _____						
	Holes _____ Total _____						
	Misses _____ Total _____						
			Closing of firing switch witnessed by _____				
2)	In From _____ to _____	A.M. P.M.	C.C. Depths This Run				
	Out From _____ to _____	A.M. P.M.					
	Fluid _____						
	In _____ Out _____						
	Holes _____ Total _____						
	Misses _____ Total _____						
			Closing of firing switch witnessed by _____				
3)	In From _____ to _____	A.M. P.M.	C.C. Depths This Run				
	Out From _____ to _____	A.M. P.M.					
	Fluid _____						
	In _____ Out _____						
	Holes _____ Total _____						
	Misses _____ Total _____						
			Closing of firing switch witnessed by _____				
4)	In From _____ to _____	A.M. P.M.	C.C. Depths This Run				
	Out From _____ to _____	A.M. P.M.					
	Fluid _____						
	In _____ Out _____						
	Holes _____ Total _____						
	Misses _____ Total _____						
			Closing of firing switch witnessed by _____				
5)	In From _____ to _____	A.M. P.M.	C.C. Depths This Run				
	Out From _____ to _____	A.M. P.M.					
	Fluid _____						
	In _____ Out _____						
	Holes _____ Total _____						
	Misses _____ Total _____						
			Closing of firing switch witnessed by _____				
6)	In From _____ to _____	A.M. P.M.	C.C. Depths This Run				
	Out From _____ to _____	A.M. P.M.					
	Fluid _____						
	In _____ Out _____						
	Holes _____ Total _____						
	Misses _____ Total _____						
			Closing of firing switch witnessed by _____				

Mileage: From _____ to _____

Mileage: From _____ to _____

Permit
Verbal



LANE-WELLS COMPANY
A Division of Dresser Industries
COMPLETION SERVICE DATA SHEET

Customer Fores. oil Corp Job Scheduled 5-13-66 11:20 AM
 Well No. M.O. Miller #13 Arrived Location 5-13 11:30 AM
 Field Crab Lake On Job 5-13 12:00 AM
 SO No. 151507 Off Job 5-13 2:15 AM
 Hrs. Standby BTD 5:00 PM

Customer Depth 10400
 Lane-Wells Depth 11413
 Zero Point 17.30 abv T.M.F.
 Perm. Ref. Datum 5-1-66
 Top of Cement _____

Services Performed on This Set Up: GP _____ K/S PFC _____ R/A _____ B/P _____ PKR _____ Other _____

Subsurface Tools Run G-V Series-Type NCFII Size 4" No. of Runs 1 Fluid Oil
 Wt.-Vis. _____
 Level Full
 Max. Temp. _____

Casing Size 7" From Surf To T.D. Liner Size _____ From _____ To _____ Tubing Size _____

Plug-Pkr. Serial No. _____ Top ordered at _____ Top set at _____ Size _____ Kind _____ PO _____

Perforating Zones 24 Holes From 11344 To 11375 Setting Depths and/or _____
 Perf. Zones Approved By Thomas H. [Signature] Title _____
 L-W Crew Hite Field Thomas
 Truck No. P-1030 Dist. S. W. Dist. Base Lake Charles

Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1	11344	11345			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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21					
22					
23					
24					
25					

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 DEPARTMENT OF MINERALS
 LAKE CHARLES

RUNNING TIME

RUNNING TIME		C.C. Depths	LW	Other				
1)	In From _____ to _____	A.M.	C.C. Depths This Run					
	Out From _____ to _____	P.M.						
	Fluid _____	A.M.						
	In _____ Out _____	P.M.						
	Holes _____ Total _____							
	Misses _____ Total _____		Closing of firing switch witnessed by _____					
2)	In From _____ to _____	A.M.	C.C. Depths This Run					
	Out From _____ to _____	P.M.						
	Fluid _____	A.M.						
	In _____ Out _____	P.M.						
	Holes _____ Total _____							
	Misses _____ Total _____		Closing of firing switch witnessed by _____					
3)	In From _____ to _____	A.M.	C.C. Depths This Run					
	Out From _____ to _____	P.M.						
	Fluid _____	A.M.						
	In _____ Out _____	P.M.						
	Holes _____ Total _____							
	Misses _____ Total _____		Closing of firing switch witnessed by _____					
4)	In From _____ to _____	A.M.	C.C. Depths This Run					
	Out From _____ to _____	P.M.						
	Fluid _____	A.M.						
	In _____ Out _____	P.M.						
	Holes _____ Total _____							
	Misses _____ Total _____		Closing of firing switch witnessed by _____					
5)	In From _____ to _____	A.M.	C.C. Depths This Run					
	Out From _____ to _____	P.M.						
	Fluid _____	A.M.						
	In _____ Out _____	P.M.						
	Holes _____ Total _____							
	Misses _____ Total _____		Closing of firing switch witnessed by _____					
6)	In From _____ to _____	A.M.	C.C. Depths This Run					
	Out From _____ to _____	P.M.						
	Fluid _____	A.M.						
	In _____ Out _____	P.M.						
	Holes _____ Total _____							
	Misses _____ Total _____		Closing of firing switch witnessed by _____					

Mileage: From _____ to _____

Mileage: From _____ to _____

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

Type Test: Comp. _____ Recomp. Retest _____ Regauge _____

Parish Cameron Field Crab Lake

Company Forest Oil Co Serial No. 79019

Well Name & No. DR. H.O. Miller # 13

Location: Sec. 29 Twp. N5S Rge. 5W Flowing Pump _____

Prod. Horizon N2 Perf. Int. 12254 to 12278

Casing Setting: Size 5" liner @ 12306-51

Tubing Setting: Size 2 3/8 @ 12250 T.D. 12295

Date Completed 5-18-66 Date Gauged 5-30-66

Acidize with _____ gals. Elev. of Derr. Floor _____

TEST DATE

T. P. 3500 C. P. 0 Choke Size 24 /64th

Closing TK Gge. 5 ft. 11 1/2 in. @ 4:15 PM Time

Opening TK Gge. 5 ft. 7 in. @ 12:15 PM Time

Diff. 0 ft. 4 1/2 in. 4 Hours (Time)

Tank No. 906 Tank Coef. 1.16

Bbbs. per 4 Hrs. 5.22 Est. Bbbs. per Day 31

Daily Gas Vol. 2500 M.C.F. G/O Ratio 80645

B.S.&W. 1/10 % Corrected Gravity 47 Deg. A.P.I.

Witnessed M.C. West Title Engineer

Gauged by Raymond Deik Title _____
Department of Conservation

District Office Mark Charles

Remarks: _____

900# @ 9.5"
3" x 2" O.P.

LANE-WELLS COMPANY
 A Division of Dresser Industries
COMPLETION SERVICE DATA SHEET

DATE _____

Customer _____ Job Scheduled _____ AM
 PM
 Customer Depth _____

Well No. _____ Arrived Location _____ AM
 PM
 Lane-Wells Depth _____

Field _____ On Job _____ AM
 PM
 Zero Point _____

SO No. _____ Off Job _____ AM
 PM
 Perm. Ref. Datum _____

Hrs. Standby _____ Top of Cement _____

Services Performed on This Set Up: GP _____ K/S _____ PFC _____ R/A _____ B/P _____ PKR _____ Other _____

Subsurface Tools Run _____ Series-Type _____ Size _____ No. of Runs _____ Fluid _____
 _____ _____ _____ _____ Wt.-Vis. _____
 _____ _____ _____ _____ Level _____
 _____ _____ _____ _____ Max. Temp. _____

Casing Size _____ From _____ To _____ Liner Size _____ From _____ To _____ Tubing Size _____

Plug-Pkr. Serial No. _____ Top ordered at _____ Top set at _____ Size _____ Kind _____ PO _____

Perforating Zones _____ Holes From _____ To _____ Setting Depths and/or
 _____ Perf. Zones Approved By _____ Title _____
 _____ L-W Crew _____
 _____ Truck No. _____ Dist. _____ Base _____

Run No.	Run No.	Run No.	Run No.	Run No.	Run No.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

RECEIVED

MAY 19 1965

DEPARTMENT OF MINERALS
 LANE CHARLES

RUNNING TIME

RUNNING TIME		C.C. Depths LW Other					
1)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
2)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
3)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
4)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
5)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					
6)	In From _____ to _____ Out From _____ to _____ Fluid _____ In _____ Out _____ Holes _____ Total _____ Misses _____ Total _____	A.M. P.M. A.M. P.M.	C.C. Depths This Run				
		Closing of firing switch witnessed by _____					

Mileage: From _____ to _____

Mileage: From _____ to _____

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

*Needances
wo ~~Plots~~
Pat*

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles

DISTRICT

Re: Well Serial No.: 79019

Completed	<input type="checkbox"/>	Flowing	<input type="checkbox"/>	Operator: <u>Forest Oil Corporation</u>
Recompleted	<input checked="" type="checkbox"/>	Gas-Lifting	<input type="checkbox"/>	Well Name: <u>Dr. M. O. Miller</u>
Oil	<input type="checkbox"/>	Pumping	<input type="checkbox"/>	Well No.: <u>13</u> , Sec. <u>29</u> , Twp. <u>15S</u> , Rge. <u>5W</u>
Gas	<input checked="" type="checkbox"/>	Shut-In	<input checked="" type="checkbox"/>	Field <u>Crab Lake</u>
				Parish <u>Cameron</u>

Date Completed or Recompleted 5-20-66 at 6:00 (a.m.) (~~p.m.~~)

COMPLETION DATA

Initial Production 30 BOPD Gas Volume 2300 MCF/Day

Tubing Pressure 3325 psig Casing Pressure Packer psig

Choke Size 12/64 Positive Adjustable B.S. & W. 0 %

Gas/Oil Ratio 76,666/1 CF/Bbl. Gravity 49.9 at 60° A. P. I.

Producing Depth: From 12,254 Ft. to 12,278 Ft. T. D. 12,616 Ft.

Name of Producing Sand: N-2 Sd

*New Pool	*Old Pool	List Reason(s) for Pool Classification
		<u>First prod. from this reservoir</u>

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___

29-E Unit Attached - Yes ___ No ___

DATE: _____

Forest Oil Corporation
 RECEIVED
 MAY 24 1966
 COMPANY REPRESENTATIVE
 DEPARTMENT OF MINERALS
 LAKE CHARLES
 District Production Superintendent
 TITLE

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>TEST DATA</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
	TOTAL _____	BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY
(Signed) COMPANY REPRESENTATIVE

F O R E S T O I L C O R P O R A T I O N



P.O. Box 51125, Oil Center Station, Lafayette, Louisiana 70505

May 27, 1966

1000 mcf
~~400 ft~~

Louisiana Department of Conservation
P. O. Box 1767
Lake Charles, Louisiana

Attention: Mr. W. C. Wilhite

Dear Sir:

Attached are revised productive acreage plats for the Dr. M. O. Miller # 13 & 13-D, Crab Lake Field, Cameron Parish, Louisiana. This well was recompleted in the "CJ" and N-2 Sand, 5-20-66.

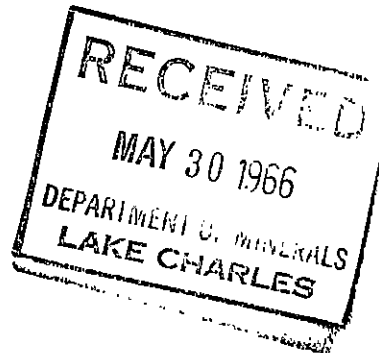
1 Set of Plats
to N-2 Sand
13

Yours very truly,

FOREST OIL CORPORATION

John C. Willis
John C. Willis,
District Production Superintendent

JCW/se



1

1

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Squeeze
L. C. #48

WORK PERMIT

PERMIT TO Sq. DATE May 28, 1968
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS Box 51125, Lafayette, La. 70501
WELL NAME Dr. M. O. Miller No. 13 SEC 29 T 15S R 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Sq. present perf. 12254-78 in N-2
sand.

TD 12616'

PERMIT REQUESTED BY JOHN C. WILLIS
Company Representative

AUTHORIZED BY *Willis*
WILLIAM C. WILHITE
Lake Charles, La.
District Office

B

www



DEPARTMENT OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD
Crab Lake

SERIAL NO.
79019

PRODUCING INTERVAL
~~12,098' - 104'~~ **12098-104**

RESERVOIR (COMPANY SAND IDENTIFICATION)
M4A

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion or recompletion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL RECOMPLETION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS P&A

OPERATOR
Forest Oil Corporation

ADDRESS
P. O. Box 51125, Lafayette, La. 70501

LEASE NAME
Dr. M. O. Miller

WELL NO.
13

PARISH
Cameron

SEC. **29** TWP. **15S** RGE. **5W**

DATE SPUNDED
WO 5-29-68

TOTAL DEPTH
12,616'

PBTD
12,110'

GROUND ELEVATION
1'

CASING HEAD FLANGE ELEVATION
1'

DISTANCE FROM RKB TO CHF
16'

DATE WELL TURNED INTO TANKS

SINGLE, DUAL OR TRIPLE COMPLETION?
Dual

NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED? **No**

WAS DIRECTIONAL SURVEY MADE? **No**

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION? **No**

DATE FILED
None

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)
IES

DATE FILED
6-6-60

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HRS. UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
16"	22"	42.8	200					
10 3/4"	15"	40.5 & 45#	3503	1500	1500	1/2 hr.	4-16-60	John Knox
7"	9 7/8"	29 & 32#	12416	1000	1500	1/2 hr.	5-23-60	S. J. Iles
5"	6"	18#	12613	70	1500	1/2 hr.	6-01-60	S. J. Iles

TUBING SIZE: **2 3/8** DEPTH OF TUBING: **12,085** DEPTH OF PACKER (S): **12,085', 12,044', 11,090', 11,316'**

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION
Nil

GAS VOLUME
2800

CHOKE SIZE
13/64

WELL STATUS
Shut in

TUBING PRESSURE
3250 psig

CASING PRESSURE
Pkr. psig

GOR

BS & W
0 %

BHP - (SHUT-IN)
5651 psi

GRAVITY
°API 60°F

CONSERVATION AGENT MAKING GAUGE

COMPANY REPRESENTATIVE
Lamar Hogue

DATE GAUGED

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by **Forest Oil Corporation** and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: *[Signature]* Title: **Division Supt.**

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
LC#48	6-3-68	Halliburton	Squeezed perfs. 12,254'-78' w/ 100 sx.
L#49	6-4-68	"	Squeezed perfs. 11,336'-42' w/ 100 sx.
	6-6-68	Lane Wells	Perf. 12,118'-126' for test
	6-8-68	"	Set Baker bridge plug at 12,110'
	6-8-68	"	Perf. M4A Sand 12,098'-104'
	6-9-68	"	Perf. M4 Sand 12,052'-56' (Alt. #1)
	6-9-68	"	Perf. M Sand 11,958'-80', 12,008'-20' & 12,025'-35' (Alt. #2)

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

R



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD	Crab Lake
SERIAL NO.	79019
PRODUCING INTERVAL	12,052-12,056'
RESERVOIR (COMPANY SAND IDENTIFICATION)	M4

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion or recompletion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION	NEW WELL <input type="checkbox"/>	RECOMPLETION <input checked="" type="checkbox"/>	SAME RESERVOIR <input type="checkbox"/>	DIFFERENT RESERVOIR <input checked="" type="checkbox"/>	OIL <input checked="" type="checkbox"/>	GAS <input checked="" type="checkbox"/>	P&A <input type="checkbox"/>		
OPERATOR	Forest Oil Corporation			ADDRESS	P. O. Box 51125, Lafayette, La. 70501				
LEASE NAME	Dr. M. O. Miller				WELL NO.	13			
PARISH	Cameron	SEC.	29	TWP.	15S	RGE.	5W	DATE PERMIT ISSUED	
DATE SPUDDED	WO 5-29-68	TOTAL DEPTH	12,616'			PBTD	12,110'		
GROUND ELEVATION	1'	CASING HEAD FLANGE ELEVATION	1'			DISTANCE FROM RKB TO CHF	16'		
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION?				NOTE:	IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION		
WAS WELL DIRECTIONALLY DRILLED?	No	WAS DIRECTIONAL SURVEY MADE?	No	WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?	No	DATE FILED	None		
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)	IES				DATE FILED	6-6-60			

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HRS. UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
16"	22"	42.8	200					
10 3/4"	15"	40.5 & 45#	3503	1500	1500	1/2 hr.	4-16-60	John Knox
7"	9 7/8"	29 & 32#	12416	1000	1500	1/2 hr.	5-23-60	S. J. Iles
5"	6"	18#	12613	70	1500	1/2 hr.	6-01-60	S. J. Iles

TUBING SIZE: 2 3/8 DEPTH OF TUBING: 12,085' DEPTH OF PACKER (S): 12,085', 12,044', 11,090', 11,316'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	320	GAS VOLUME	300	CHOKE SIZE	8/64"	WELL STATUS	Flowing
TUBING PRESSURE	1700 psig	CASING PRESSURE	1400 psig	GOR	938	BS & W	22 %
GRAVITY	43°	CONSERVATION AGENT MAKING GAUGE	Raymond Lisk	COMPANY REPRESENTATIVE	L. D. Hammett	BHP - (SHUT-IN)	
	°API @ 60°F					DATE GAUGED	7/22/68

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
		FROM	TO	SACKS	HOW PLACED		

DEPT. CONSERVATION

CERTIFICATE: I, the undersigned, state: That I am employed by Forest Oil Corporation and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated are true and correct.

JUL 22 1968

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
LC 61	7-18-64	OYIS	Set plug at 12081, part Tubing 12077-79 to open parts 12052-52

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

Operator

LANE WELLS

SERVICE ORDER

Division of Dresser Industries, Inc.
TECHNICAL OILFIELD SERVICES

10201 WESTHEIMER RD.
HOUSTON, TEXAS 77042

P. O. BOX 1407, HOUSTON, TEXAS 77001
PHONE: SU 2-7100

Contract **15794**

Serviceman

Charge to Invoice **Forest Oil Company**

Invoice No. _____

Date **6-4-68**

Address **P.O. Box 51125**

Customer's Order No. _____

Legal Description

City **Lafayette, LA.**

Date of Service **6-4-68**

Well No. **M.O. Miller # 13**

District **SLW LA.**

Field **Crab Lake** County **Cameron**

Operating Base **LAKE CHARLES**

Unit _____ State **LA.**

Location Code No. **R444**

IMPORTANT

TO LANE-WELLS COMPANY:

You are requested to undertake the furnishing of the herein described services, equipment, materials and products. In consideration of such undertaking, the undersigned Customer hereby agrees that the same shall be subject, solely and entirely, to the Terms and Conditions set forth on the reverse side hereof and made a part of this Contract which shall constitute the entire agreement between the Customer and Lane-Wells Company. Customer acknowledges and understands that the prices for the services, equipment, materials and products furnished hereunder have been established by you in consideration of the fact that said Terms and Conditions apply to the furnishing of such services, equipment, materials and/or products. The undersigned hereby certifies that he has full authority and agency to enter into this Contract on behalf of the Customer.

By _____ SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE DATE TIME A.M. P.M.

DESCRIPTION	PRICE	AMOUNT	TOTAL
Service Charge			
run log			
Depth Charge from Surface to feet			
Logging Charge feet			
<i>R/P</i> perforate <i>4</i> Holes with <i>4"</i> Bullets Charge In Open Hole Through Casing Through Tubing			
At the following depths			
<i>(4) holes from 12061 - 12060</i>			
The services described above performed as directed by Mr. <i>Hammell</i>			

PRICING SUBJECT TO CORRECTION BY OUR INVOICING DEPARTMENT

REMARKS

TOOL	TYPE	SIZE	RUNS	INVENTORY RELIEF	SHOTS ATTEMPTED	HOLES	MISSES

I certify that the above ordered services, equipment, materials and products have been received

(CUSTOMER OR AUTHORIZED REPRESENTATIVE) DATE TIME A.M. P.M.

34

Perf. L.C.#254

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perforate DATE 6-6-68
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corporation
ADDRESS P. O. Box 51125, Lafayette, La., 70501
WELL NAME Dr. M. O. Miller No. 13 SEC 29 T 15S R 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perforate 12,118'-12126' w/ 4
shot per foot by EL for test.

PERMIT REQUESTED BY John C. Willis TD 12,616'
Company Representative

AUTHORIZED BY [Signature]
William C. Wilhite
Lake Charles
District Office

WCW:fgs



Division of Dresser Industries, Inc.
TECHNICAL OILFIELD SERVICES

SERVICE ORDER

Operator _____
Serviceman _____
Legal Description _____

10201 WESTHEIMER RD.
HOUSTON, TEXAS 77042

P. O. BOX 1407, HOUSTON, TEXAS 77001
PHONE: SU 2-7100

Contract _____

Charge to Invoice Address _____

City _____

Well No. _____

Field _____

Unit _____

Forest Oil Co.
P.O. Box 31125
Lafayette, LA.
M.O. Miller #13
Crab Lake County *Cameron*
State *LA*

Invoice No. _____
Invoice Date *6-6-68*
Customer's Order No. _____
Date of Service *6-6-68*
District *SLWLA*
Operating Base *New Iberia*
Location Code No. *RATG*

IMPORTANT

TO LANE-WELLS COMPANY:

You are requested to undertake the furnishing of the herein described services, equipment, materials and products. In consideration of such undertaking, the undersigned Customer hereby agrees that the same shall be subject, solely and entirely, to the Terms and Conditions set forth on the reverse side hereof and made a part of this Contract which shall constitute the entire agreement between the Customer and Lane-Wells Company. Customer acknowledges and understands that the prices for the services, equipment, materials and products furnished hereunder have been established by you in consideration of the fact that said Terms and Conditions apply to the furnishing of such services, equipment, materials and/or products. The undersigned hereby certifies that he has full authority and agency to enter into this Contract on behalf of the Customer.

By _____ A M
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE DATE TIME P M

DESCRIPTION	PRICE	AMOUNT	TOTAL
Service Charge			
run log			
Depth Charge from Surface to feet			
Logging Charge feet			
<i>K/P</i> perforate <i>32</i> Holes with <i>4"</i> Bullets Through Casing Charge Through Tubing			
At the following depths			
<i>(32) Holes - 12130 to 12122</i>			
The services described above performed as directed by Mr. <i>Hannett</i>			

PRICING SUBJECT TO CORRECTION BY OUR INVOICING DEPARTMENT

REMARKS

DEPT. CONSERVATION

TOOL	TYPE	SIZE	RUNS	INVENTORY RELIEF	SHOTS ATTEMPTED	HOLES	MISSSES

I certify that the above described services, equipment, materials and products have been received

JUN 8 1968

LAKE CHARLES

(CUSTOMER OR AUTHORIZED REPRESENTATIVE) DATE TIME A M P M

TERMS AND CONDITIONS

1. This contract is made between the undersigned Customer and Lane-Wells Company, a Division of Dresser Industries, Inc., of Houston, Texas, for the purpose of providing the Customer with the services and equipment hereinafter described. The Customer hereby agrees to accept the terms and conditions of this contract as set forth herein.

2. When necessary, the Customer shall provide transportation, barges, boats or other means of transportation for the equipment and personnel to the well site. The Customer shall be responsible for the cost of such transportation.

3. We endeavor to design, maintain and use our equipment, products and materials to service safely and effectively wells that are properly drilled and conditioned, but there are certain known conditions which render such a well "off-balance" and we can have no knowledge and, therefore, no control.

4. The Customer can have no knowledge and, therefore, no control over the performance of the service and the quality of the product or material. To reinforce this, we do not warrant, guarantee, or give any kind of warranty for the performance of our services, or for any injury to or death of persons, or for any damage to or loss of property, whether direct, indirect, consequential, or of any kind, whatsoever, resulting from the use of our equipment, products or materials, or for any damage arising from subsurface damage or injury to the well, which actually or allegedly was caused or envisioned by or incident to any such acceptance or undertaking. The Customer shall defend, indemnify and hold us free and harmless from all and all liabilities, damages, expenses, claims or demands, for or on account of such adverse failure, incident, death, loss, damage or injury to all wells and interests of the Customer or any third party.

5. We warrant reasonable regulation and protection of the health and lives of radiators, workers and the general public, and our equipment and personnel, and we warrant to provide a safe and sound working environment, including logging services and analysis services rendered by us, but the Customer hereby acknowledges that he is aware that such services are inherently potentially hazardous and that radioactive material is dangerous to humans and animals. Therefore, the performance or non-performance of any service hereunder involving the use of such sources, devices or materials, shall be subject to and included under the same provisions and conditions as specified in Paragraph 3 hereof. Should such a source be lost in the well bore, special precautions must be taken by the Customer in the fishing operations to avoid damage or breakage of the container of the radiation source or radioactive material. If the container is damaged or lost, the partial responsibility of the well bore must be shared by the Customer, to be met either in place in the borehole or by some other appropriate and approved means.

6. Should the use of equipment or materials hereunder be necessary to provide the services hereunder, the performance of such services shall be subject to and included under the same provisions and conditions as specified in Paragraph 3 hereof. Should such a source be lost in the well bore, special precautions must be taken by the Customer in the fishing operations to avoid damage or breakage of the container of the radiation source or radioactive material. If the container is damaged or lost, the partial responsibility of the well bore must be shared by the Customer, to be met either in place in the borehole or by some other appropriate and approved means.

7. Should the use of equipment or materials hereunder be necessary to provide the services hereunder, the performance of such services shall be subject to and included under the same provisions and conditions as specified in Paragraph 3 hereof. Should such a source be lost in the well bore, special precautions must be taken by the Customer in the fishing operations to avoid damage or breakage of the container of the radiation source or radioactive material. If the container is damaged or lost, the partial responsibility of the well bore must be shared by the Customer, to be met either in place in the borehole or by some other appropriate and approved means.

8. The Customer shall be responsible for the cost of the services and equipment hereunder, and shall be responsible for the cost of the transportation, barges, boats or other means of transportation for the equipment and personnel to the well site. The Customer shall be responsible for the cost of such transportation.

9. The Customer shall be responsible for the cost of the services and equipment hereunder, and shall be responsible for the cost of the transportation, barges, boats or other means of transportation for the equipment and personnel to the well site. The Customer shall be responsible for the cost of such transportation.

10. In making no mention of the above conditions, we do not intend to limit the Customer's obligation to indemnify us for any and all claims, damages, expenses, claims or demands, for or on account of such adverse failure, incident, death, loss, damage or injury to all wells and interests of the Customer or any third party.

11. Information concerning our services rendered to the above well is held in strict confidence and shall not be divulged to others, only upon written approval by the Customer. We are not bound by Federal, state or local laws, regulations, orders or ordinances, or for that matter, court proceedings, relating to the subject matter of the services rendered.

12. Customer's consent to these Terms and Conditions by the use of the Well hereunder is understood to apply to all divisions and subsidiaries of Dresser Industries, Inc., and it is to be noted that our equipment and personnel are employed in the absence of this paragraph.

13. Unless otherwise approved by our Insurance Department, all charges hereunder shall be in accordance with our current published rates, plus applicable taxes, and payable at the office of Lane-Wells Company, a Division of Dresser Industries, Inc. in Houston, Texas County, Texas. Payment for payment of such charges are Net Cash. Fifty percent of the charges following invoice date, entered at the rate of ten percent, shall be charged on past due accounts, and if placed in arrears, on other terms, or if all provisions are employed, the Customer shall pay, in addition to the amount to be collected, attorney's fees of 25% of the amount due, the past due account or \$100, whichever is the greater amount.

14. This Contract shall be construed in accordance with the laws of the State of Texas.

15. Failure to fulfill any or all of the hereby provided terms or conditions hereunder in any instance shall not constitute a binding contract or provide subsequent performance thereof.

16. No employee, representative or agent of Lane-Wells Company shall be held responsible for any of the herein provided terms and conditions hereunder, unless he or she is specifically named as such in this contract. The Customer shall be responsible for the performance of the services hereunder, and shall be responsible for the cost of such transportation, barges, boats or other means of transportation for the equipment and personnel to the well site. The Customer shall be responsible for the cost of such transportation.

2001 8 1 11

LANE-WELLS COMPANY
A DIVISION OF DRESSER INDUSTRIES, INC.
Houston, Texas

Operator

LANE WELLS

SERVICE ORDER

Division of Dresser Industries, Inc.
TECHNICAL OILFIELD SERVICES

10201 WESTHEIMER RD.
HOUSTON, TEXAS 77042

P. O. BOX 1407, HOUSTON, TEXAS 77001
PHONE: SU 2-7100

Contract **15773**

Serviceman

Charge to Invoice Address

Forest Oil Corp
P.O. Box 51125

Invoice No.

Invoice Date **6-7-68**

Customer's Order No.

City

Lafayette, LA

Date of Service **6-7-68**

Legal Description

Well No.

M. O. Miller # 13

District **SIW LA**

Field

Crab Lake

County

Cameron

Operating Base **Lake Charles**

Unit

State

LA

Location Code No. **RA4H**

IMPORTANT

TO LANE-WELLS COMPANY:

You are requested to undertake the furnishing of the herein described services, equipment, materials and products. In consideration of such undertaking, the undersigned Customer hereby agrees that the same shall be subject, solely and entirely, to the Terms and Conditions set forth on the reverse side hereof and made a part of this Contract which shall constitute the entire agreement between the Customer and Lane-Wells Company. Customer acknowledges and understands that the prices for the services, equipment, materials and products furnished hereunder have been established by you in consideration of the fact that said Terms and Conditions apply to the furnishing of such services, equipment, materials and/or products. The undersigned hereby certifies that he has full authority and agency to enter into this Contract on behalf of the Customer.

By _____ SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE DATE TIME A M P M

DESCRIPTION

PRICE AMOUNT TOTAL

Service Charge

run

log

Depth Charge from Surface to

feet

Logging Charge

feet

K/P perforate **24** Holes with **4"**

Bullets In Open Hole Charge Through Casing Through Tubing

At the following depths

(24) holes from 12,102 to 12,108

The services described above performed as directed by Mr.

Hammett

PRICING SUBJECT TO CORRECTION BY OUR INVOICING DEPARTMENT

REMARKS

TOOL	TYPE	SIZE	RUNS	INVENTORY RELIEF	SHOTS ATTEMPTED	HOLES	MISSSES

I certify that the above ordered services, equipment, materials and products were furnished to the customer.

DEPT. CONSERVATION

JUN 18 1968

LAKE CHARLES

(CUSTOMER OR AUTHORIZED REPRESENTATIVE) DATE TIME A M P M

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Plugback
L.C. #35

WORK PERMIT

PERMIT TO Plug (Plugback) DATE 6-8-68
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Company
ADDRESS P. O. Box 55125, Lafayette, La. 70501
WELL NAME Mr. M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 59019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Set Baker wire line bridge plug
at 12,100'.

PERMIT REQUESTED BY John C. Willis FB TD 12,110'
Company Representative

AUTHORIZED BY William C. Wilhite
Lake Charles, La.
District Office

WCW:fhs

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perforate DATE 6-9-68
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corporation
ADDRESS P. O. Box 51125, Lafayette, La., 70501
WELL NAME Dr. M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perf M₄Sand 12,052'-56' w/ 4
shots/ft. by EL for test. (Set Baker Moded D packer at
12,044')

PERMIT REQUESTED BY John C. Willis PERM 12,110'
Company Representative

AUTHORIZED BY *[Signature]*
William C. Wilhite
Dike Charles, La.1
District Office

Perf.
L.C. #251

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perforate DATE 6-9-68
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corporation
ADDRESS P. O. Box 51125, Lafayette, La., 70501
WELL NAME Dr. M. O. Miller No. 13 SEC. 29 T. 15S R 5W
WELL PERMIT SERIAL No. 79D19 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perf. M Sand 11,958'-80', 12,008'-
20', and 12,025'-35' w/4 shots/ft. by EL for test.
(Set Baker Model D Packer at 11,900' and 11,316')

PERMIT REQUESTED BY John C. Willis FB TD 12,110'
Company Representative

AUTHORIZED BY *William C. Wilhites*
William C. Wilhites
Lake Charles, La.
District Office

(5)

Perf.
L. C. #253

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perforate DATE 6-9-78
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corporation
ADDRESS P. O. Box 51125, Lafayette, La., 70501
WELL NAME Dr. M. O. Miller No. 13 SEC 29 T 15S R 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perforate M/A Sand 12,098'-12,104'
and test w/4 shots/ft. by EL for test. (Set Baker
Model D packer at 12,085')

PERMIT REQUESTED BY John C. Willis PB TD 12,110'
Company Representative

AUTHORIZED BY William C. Wilhite
Lake Charles, La.
District Office

ECW:ths

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Perforate DATE 6-9-68
PARISH Cameron FIELD Crag Lake
COMPANY Forest Oil Corporation
ADDRESS P.O. Box 51125, Lafayette, La., 70501
WELL NAME Dr. M. O. Miller No. 13 SEC 29 T 15S R 5W
WELL PERMIT SERIAL No. 59019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Perf. H Sand 11,105'-11' w/4
shots/ft. by EL for test.

PB TD 12,110'

PERMIT REQUESTED BY John C. Willis
Company Representative

AUTHORIZED BY William G. Wilhite
Lake Charles, La.
District Office

WCW:fhs

Operator

Serviceman

Legal Description

LANE WELLS

Division of Dresser Industries, Inc.
TECHNICAL OILFIELD SERVICES

10201 WESTHEIMER RD.
HOUSTON, TEXAS 77042

P. O. BOX 1407, HOUSTON, TEXAS 77001
PHONE: SU 2-7100

SERVICE ORDER

Contract 15796

Charge to Forest Oil Corp.
Invoice Address P.O. Box 51125

City Lafayette, La -

Well No. W. O. Miller # 13

Field Crab Lake County Cameron, La.

Unit _____ State _____

Invoice No. _____
Invoice Date 6-9-68
Customer's Order No. _____

Date of Service 6-9-68

District S/W La.
Operating Base Lake Charles, L.

Location Code No. RA-4H

IMPORTANT

TO LANE-WELLS COMPANY:

You are requested to undertake the furnishing of the herein described services, equipment, materials and products. In consideration of such undertaking, the undersigned Customer hereby agrees that the same shall be subject, solely and entirely, to the Terms and Conditions set forth on the reverse side hereof and made a part of this Contract which shall constitute the entire agreement between the Customer and Lane-Wells Company. Customer acknowledges and understands that the prices for the services, equipment, materials and products furnished hereunder have been established by you in consideration of the fact that said Terms and Conditions apply to the furnishing of such services, equipment, materials and/or products. The undersigned hereby certifies that he has full authority and agency to enter into this Contract on behalf of the Customer.

By _____ DATE _____ TIME _____
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

DESCRIPTION	PRICE	AMOUNT	TOTAL
Service Charge			
run log			
Depth Charge from Surface to feet			
Logging Charge feet			
<i>K/P</i> perforate <u>2 1/4</u> Holes with <u>4"</u> Bullets In Open Hole Charge Through Casing Through Tubing			
At the following depths			
<u>(216) Holes - 12060 - 12056 - (16)</u>			
<u>" 12039 - 12029 - (40)</u>			
<u>" 12024 - 12012 - (48)</u>			
<u>" 11984 - 11972 - (48)</u>			
<u>" 11972 - 11962 - (40)</u>			
<u>" 11113 - 11107 - (24)</u>			
The services described above performed as directed by Mr. <u>Hammett</u>			

PRICING SUBJECT TO CORRECTION BY OUR INVOICING DEPARTMENT

REMARKS

TOOL	TYPE	SIZE	RUNS	INVENTORY RELIEF	SHOTS ATTEMPTED	HOLES	MISSSES

I certify that the above ordered services, equipment, materials and products have been furnished to the customer.

DEPT. CONSERVATION

JUN 18 1968

LAKE CHARLES

(CUSTOMER OR AUTHORIZED REPRESENTATIVE) DATE _____ TIME _____

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles

DISTRICT

Re: Well Serial No.: 79019

Completed Flowing Operator: Forest Oil Corporation
Recompleted Gas-Lifting Well Name: Dr. M. O. Miller
Oil Pumping Well No.: 13, Sec. 29, Twp. 15S, Rge. 5W
Gas Shut-In Field Crab Lake
Parish Cameron

Date ~~Completed~~ or Recompleted 6-11-68 at 8:00 (~~am~~) (p.m.)

COMPLETION DATA

Initial Production N11 BOPD Gas Volume 2800 MCF/Day

Tubing Pressure 3250 psig Casing Pressure Pkr. psig

Choke Size 13/64 Positive Adjustable B.S. & W. 0 %

Gas/Oil Ratio CF/Bbl. Gravity at 60° A. P. I.

Producing Depth: From 12,098 Ft. to 12,104 Ft. T. D. 12,616 Ft.

Name of Producing Sand: M4A

*New Pool *Old Pool List Reason(s) for Pool Classification
Never been produced in the field before

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes No
29-E Unit Attached - Yes No

DATE: June 13, 1968

FOREST OIL CORPORATION

COMPANY

John C. Miller
COMPANY REPRESENTATIVE

Division Superintendent

TITLE

Form - Comp.

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T D A T A</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
TOTAL _____		BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY

(Signed) COMPANY REPRESENTATIVE

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

Type Test: Comp. _____ Recom. Retest _____ Regauge _____

Parish Cameron Field Crab Lake

Company Rest Oil Co Serial No. 79019

Well Name & No. H. O. Miller # 13

Location: Sec 29 Twp 15S Rg 5W Flowing Pump _____

Prod. Horizon M-H-A Perf. Int 12098 to 12104

Casing Setting: Size 7" @ 12416

Tubing Setting: Size 2 3/8 @ 12085 T.D. 1209

Date Completed 6-19-68 Date Gauged 6-21-68

Acidize with _____ gals. Elev. of Derr. Floor _____

TEST DATE

T. P. 3275 C. P. 1200 Choke Size 24 /64th

Closing TK Gge. 12 ft. 10 in. @ 12:00 PM Time

Opening TK Gge. 12 ft. 6 in. @ 9:00 AM Time

Diff. _____ ft. 4 in. 3 Hours (Time)

Tank No. 14465 Tank Coef. 1.16

Bbls. per 3 Hrs. 4.64 Est. Bbls. per Day 37

Daily Gas Vol. 2200 M.C.F. G/O Ratio 59400

B.S.&W. 1/10 % Corrected Gravity 47.4 Deg. A.P.I.

Witnessed James H. Williams Title _____

Gauged by Raymond Dick Title _____
Department of Conservation

District Office Lake Charles

Remarks 800' @ 23"

3 x 1 1/2 OP

Std Chart 1000' @ 50"

05-75

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Workover
L. C. #61

WORK PERMIT

PERMIT TO Workover DATE 7/18/68
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 51125, Lafayette, La. 70501
WELL NAME Dr. M. O. Miller No. 13 SEC. 29 T. 15S R. 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Set plug in Otis N Nipple at 12081'
to plug off MAA sand perf. 12,098-104 perf. tubing at 12077-79
to open up M. Sd. perf. 12052-56'

TD 12616'

PERMIT REQUESTED BY LEWIS D. HAMMETT
Company Representative

AUTHORIZED BY 
WILLIAM C. WILHITE
Lake Charles, La.
District Office

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT

Re: Well Serial No.: 79019

Completed Flowing Operator: Forest Oil Corporation
Recompleted Gas-Lifting Well Name: Dr. M. O. Miller
Oil Pumping Well No.: 13, Sec. 29, Twp. 15S, Rge. 5W
Gas Shut-In Field Crab Lake
Parish Cameron

Date ~~Completed~~ or Recompleted 7-18-68 at 5:00 (~~xxxx~~) (p.m.)

COMPLETION DATA

Initial Production 320 BOPD Gas Volume 300 MCF/Day

Tubing Pressure 1700 psig Casing Pressure 1400 psig

Choke Size 8/64 Positive Adjustable B.S. & W. 22 %

Gas/Oil Ratio 938 CF/Bbl. Gravity 43° at 60° A. P. I.

Producing Depth: From 12,052' Ft. to 12,056' Ft. T. D. 12,616 Ft.

Name of Producing Sand: M4

*New Pool *Old Pool List Reason(s) for Pool Classification
Never been produced in the field before

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___

29-E Unit Attached - Yes ___ No ___

DATE: July 22, 1968

FOREST OIL CORPORATION

COMPANY

L. D. Hammett
COMPANY REPRESENTATIVE

Supt.
TITLE

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T D A T A</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
TOTAL _____		BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY

(Signed) COMPANY REPRESENTATIVE

POTENTIAL REPORT

Type Well: Oil Gas _____ Distillate _____

Type Test: Comp. _____ Recomp. Retest _____ Regauge _____

Paris Cameron Field Crab Lake

Company Forest Oil Co Serial No. 79019

Well Name & No. M.O. Miller #13

Location: Sec 29 Twp 13S Rge 5W Flowing Pump _____

Prod. Horizon M-4 Perf. Int 12052 to 12056

Casing Setting: Size 7" @ 12416

Tubing Setting: Size 2 3/8 @ 12079 T.D. 12097

Date Completed 7-19-68 Date Gauged 7-22-68

Acidize with _____ gals. Elev. of Derr. Floor _____

TEST DATE

T. P. 1700 C. P. 1400 Choke Size 9 /64th

Closing TK Gge. 8 ft. 0 in. @ 11:45 PM Time

Opening TK Gge. 4 ft. 2 in. @ 7:45 AM Time

Diff. 3 ft. 10 in. 4 Hours (Time)

Tank No. 14165 Tank Coef. 1.16

Bbls. per 4 Hrs. 53.36 Est. Bbls. per Day 320

Daily Gas Vol. 300 M.C.F. G/O Ratio 938

B.S.&W. 22 % Corrected Gravity 43.2 Deg. A.P.I.

Witnessed [Signature] Title Supt.

Gauged by [Signature] Title _____
Department of Conservation

District Office Crab Lake Charles

Remarks: 770' @ 7 1/2"

3 x 3/4 O.P.

Std Chart 1000' @ 100"

05-76

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

Workover
L. C. #48

WORK PERMIT

PERMIT TO Workover DATE May 5, 1969
PARISH Cameron FIELD Crab Lake
COMPANY Forest Oil Corp.
ADDRESS P. O. Box 51125, Lafayette, La. 70501
WELL NAME Dr. H. O. Miller No. 13 SEC 29 T 15S R 5W
WELL PERMIT SERIAL No. 79019 WORK PERMIT No. _____
LOCATION _____

YOU ARE HEREBY AUTHORIZED TO Set plug in Otis S nipple at 12039
to plug off M sand, perf. 12052-56'. Perf. tubing at 12007'
to open up M sand perf. 11958-80, 12008-20, & 12025-35'

PERMIT REQUESTED BY _____ TD 12616'
JOHN C. WILLIAMS DIV. SUPT.
Company Representative

AUTHORIZED BY _____
WILLIAM C. WHITE
Lake Charles, La.
District Office

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. Dr. M. O. Miller #13 Sec. 29 T. 15S R. 5W

Field Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 587-70

Description of Work Squeeze perfs. 12,098'-104', 12,052'-56' and 11,958'-12,035'. Perforate and complete in the I Sand from 11,258'-64'.

Sand & Reservoir To Be Tested I Sand

Operator Forest Oil Corporation

Address P. O. Box 51125

City, State & Zip Lafayette, Louisiana 70501

Permit Requested By L. O. Hammett Date 4-6-70

Permit Authorized By W. Lew District L.C. Date 4/9/70

See Instructions On Reverse Side

Form DM-4R Rev.

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

1. Abandon (Plug & Abd)
2. Deepen
3. Perforate
4. Squeeze
5. Plugback
6. Sidetrack
7. Pull Casing
8. Change Zone of Selective Completion
9. Drill Salt Water Disposal Well
10. Convert to Salt Water Disposal Well
11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

McGULLOUGH SERVICES - CAROID DIVISION
NATIONAL LEAD COMPANY
BOX 1487
224 BUNKER ROAD
LAKE CHARLES, LOUISIANA 70601

W New
Crab Lake

4-8-70 Forest Oil Corporation M. O. Miller #13 Cameron 11302½ - 11304 3 holes

DEPT. CONSERVATION
APR 14 1970
LAKE CHARLES

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

Type Test: Comp. _____ Recom. Retest _____ Regauge _____

Parish Cameron Field Crab Lake

Company Forest Oil Co Serial No. 79019

Well Name & No. DR. H. O. Miller # 13

Location: Sec. 29 Twp. 153 R. 25W Flowing Pump _____

Prod. Horizon 1-sand Perf. Int. 11254 to 11260

Casing Setting: Size 7" @ 12416

Tubing Setting: Size 5 5/8" @ 11169 T.D. 11614

Date Completed 4-16-70 Date Gauged 4-20-70

Acidize with _____ gals. Elev. of Derr. Floor 20'

— TEST DATE —

T. P. 3950 C. P. 225 Choke Size 12 /64th

Closing TK Gge. 1 ft. 9 in. @ 2:30 PM Time

Opening TK Gge. 1 ft. 4 in. @ 10:30 AM Time

Diff. _____ ft. 5 in. 4 Hours (Time)

Tank No. 4098 Tank Coef. 1.16

Bbls. per 4 Hrs. 5.81 Est. Bbls. per Day 35

Daily Gas Vol. 1600 M.C.F. G/O Ratio 15714

B.S.&W. 1.10 % Corrected Gravity 47.6 Deg. A.P.I.

Witnessed A.C. West Title _____

Gauged by Raymond Kirk Title _____
Department of Conservation

District Office Narc Charles

Remarks: 860# @ 12"

3 x 1 1/2 OP

Std Chart 1000# 50"

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

*Chg of res
NO Plans
nomms*

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT

Re: Well Serial No.: 79019

Completed	<input type="checkbox"/>	Flowing	<input checked="" type="checkbox"/>	Operator:	<u>Forest Oil Corporation</u>
Recompleted	<input checked="" type="checkbox"/>	Gas-Lifting	<input type="checkbox"/>	Well Name:	<u>Dr. M. O. Miller</u>
Oil	<input type="checkbox"/>	Pumping	<input type="checkbox"/>	Well No.:	<u>13</u> , Sec. <u>29</u> , Twp. <u>15S</u> , Rge. <u>5W</u>
Gas	<input checked="" type="checkbox"/>	Shut-In	<input type="checkbox"/>	Field	<u>Crab Lake</u>
				Parish	<u>Cameron</u>

Date Completed or Recompleted 4-16-70 at 7:00 (a.m.) (~~xxxx~~)

COMPLETION DATA

Initial Production 35 BOPD Gas Volume 1600 MCF/Day

Tubing Pressure 2950 psig Casing Pressure Pkr. psig

Choke Size 10/64" Positive Adjustable B.S.&W. .1 %

Gas/Oil Ratio 45,714/1 CF/Bbl. Gravity 47 at 60° A. P. I.

Producing Depth: From 11,254 Ft. to 11,260 Ft. T. D. 12,616 Ft.

Name of Producing Sand: I Sand

*New Pool	*Old Pool	List Reason(s) for Pool Classification
<u>M. O. Miller #13</u>		

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___

29-E Unit Attached - Yes ___ No ___

DATE: _____

FOREST OIL CORPORATION

COMPANY

Original Signed by
JOHN C. WILLIS

COMPANY REPRESENTATIVE

Division Superintendent

TITLE

DEPT. CONSERVATION

APR 23 1970

LAKE CHARLES

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T D A T A</u>		<u>Amount of Oil Produced</u>
	<u>Time of Test</u>		
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
	TOTAL _____		BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY

(Signed) COMPANY REPRESENTATIVE



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD

Crab Lake

SERIAL NO.

79019

PRODUCING INTERVAL

11,254'-260'

RESERVOIR (COMPANY SAND IDENTIFICATION)

I Sand

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion: NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL [] RECOMPLETION [X] SAME RESERVOIR [] DIFFERENT RESERVOIR [X] OIL [] GAS [X] P&A []

OPERATOR

ADDRESS

Forest Oil Corporation

P. O. Box 51125, Lafayette, Louisiana

LEASE NAME

Dr. M. O. Miller

WELL NO.

13

PARISH

Cameron

SEC. 29

TWP. 15S

RGE. 5W

DATE PERMIT ISSUED

DATE SPUDDED

DATE READY TO PRODUCE*

TOTAL DEPTH

PBTD.

4-16-70

12,616'

12,295'

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RKB TO CHF

1'

1'

16'

DATE WELL TURNED INTO TANKS

SINGLE, DUAL OR TRIPLE COMPLETION?

NOTE: IF THIS IS A MULTIPLE COMPLETION FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED?

No

WAS DIRECTIONAL SURVEY MADE?

No

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?

No

DATE FILED

None

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)

IES

DATE FILED

6-6-60

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS IF DEPT. AGENT OR OFFSET OPERATOR
16"	22"	42.8#	200'					
10 3/4"	15"	40.5645#	3,503'	1500	1500	1/2 hr.	4-16-60	John Knox
7"	9 7/8"	29&32#	12,416'	1000	1500	1/2 hr.	5-23-60	S. J. Iles
5"	6"	18#	12,613'	70	1500	1/2 hr.	6-1-60	S. J. Iles

TUBING SIZE:

2 3/8"

DEPTH OF TUBING:

11,169'

DEPTH OF PACKER(S):

11,161'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	CHOKE SIZE	WELL STATUS
35 BOPD	1600 MCF/DAY	10/64"	Flowing
TUBING PRESSURE	CASING PRESSURE	GOR	BS & W
2950 psig	Sealed psig	45,714/1	.1 %
GRAVITY	CONSERVATION AGENT MAKING GAUGE	COMPANY REPRESENTATIVE	DATE GAUGED
47 *API#60°F		L. D. Hammett	4-23-70

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS IF DEPT. AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by Forest Oil Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true and complete to the best of my knowledge.

Form WH

Signature:

Original Signed By JOHN C. WILLIS

Title:

Division Supt.

DEPT. OF CONSERVATION

* Date well is equipped to produce, but due to no available market, no pipe line connection, etc.; the well has been shut-in.

APR 24 1970

LAKE CHARLES

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
587-70	4-12-70	Johnston	Sq. perfs. 12,098'-104', 12052'-56' & 11,958'-12,035' w/ 200 exs.
586-70	4-12-70	Johnston	Sq. perfs. 11,103'-111' w/ 150 exs.
587-70	4-16-70	Dresser Atlas	Perf. 11,254'-260' w/ 4 shots/ft. by EL for comp.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

W...

**McGULLOUGH SERVICES - BAROID DIVISION
NATIONAL LEAD COMPANY
BOX 1407
224 BUNKER ROAD
LAKE CHARLES, LOUISIANA 70601**

Out

4-14-70 Forest Oil Corp. M. O. Miller #13 Cameron 11,254-11,260 24 holes

11,254-11,260

11,254-11,260



DEPT. CONSERVATION

APR 20 1970

LAKE CHARLES

2

State of Louisiana
DEPARTMENT OF CONSERVATION

Inter Office

Date: 10/29/70

To: **Baton Rouge Office**
From: **Lake Charles District**
Att'n: **Fritz Spencer**

Enclosed herewith please find application from Forest Oil Corporation

for permit to am. name on their

11250 SU A; Miller Well No. 13

Zone: _____

Crab Lake

Field, _____

Cameron

Parish .

Also enclosed please find:

Check No. _____ in the amount of \$ _____

Well Location Plat _____

Well Location Certification _____

Form A. D. C. _____

Electric Log _____

Schematic Diagram _____

Applicable Department of Conservation Order No. 865 Pending Hearing
Docket No. _____

Remarks & Recommendations:

Recommend approval. Name change requested to comply with the provisions of order 865 and nomenclature standards. This amendment is exempt from the normal fee.

Yours very truly,

cc: Prod. Audit Section

By: _____

District Manager
W. C. WILHITE

cc: Geological Survey

WCW:JT

LT-1

Amend Well Name

AMENDED PERMIT TO DRILL FOR MINERALS (CORRECTED)

Serial No. 79019 Date November 2, 1970
Parish Cameron Field Crab Lake

Operator Forest Oil Corporation
Address P.O. Box 51125
City & State Lafayette, Louisiana 70501
Well Name 11250' SU A; Miller * No. 13
Location of Well: Sec. 29 T. 15S R. 5W
Location Same
*Formerly: M.O. Miller

Zone or Reservoir of Proposed Completion _____
Applicable Department of Conservation Order Field Order 865

[Signature] COMMISSIONER
[Signature] ISSUING AUTHORITY

Webb Jay, Consulting Engineer

700 oil & gas building
new orleans, louisiana 70112

off: 525-6234
res: 282-1285

August 14, 1971

State of Louisiana, Department of Conservation
P. O. Box 1767
Lake Charles, Louisiana 70601

Att: Mr. William Wilhite

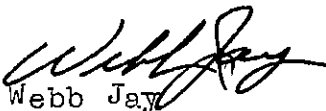
Re: Cactus Investment Company
11250 SUA Miller No. 13 Well

Gentlemen:

Attached are the following in support of an operator
change:

- (1) 2 forms MD-10-R-A
- (2) Check for \$25.00

Yours very truly,


Webb Jay

DEPT. CONSERVATION

AUG 17 1971

LAKE CHARLES

State of Louisiana
DEPARTMENT OF CONSERVATION

Inter Office

Date: 8/18/71

To: Baton Rouge Office
From: Lake Charles District
Att'n: Fritz Spencer

Enclosed herewith please find application from Cactus Investment
Company for permit to amend opr. their
11250' SU A; Miller Well No. 13 Zone: _____
Crab Lake Field, Cameron Parish .

Also enclosed please find:

Check No. 655 in the amount of \$ 25.00

Well Location Plat _____

Well Location Certification _____

Form A. D. C. _____

Electric Log _____

Schematic Diagram _____

Applicable Department of Conservation Order No. _____ Pending Hearing
Docket No. _____

Remarks & Recommendations:

Recommend approval. Routine.

Your's very truly,

cc: Audit Div.

By: _____
District Manager
W. C. WILHITE

cc: Geological Survey

LT-1

WCW/rrb

Lake Charles

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

Amend Operator

Amended Permit..... \$25.00

AMENDED PERMIT TO DRILL FOR MINERALS

SERIAL NO.: 79019 BATON ROUGE, LA., August 19, 19 71

PARISH: Cameron FIELD: Crab Lake

OPERATOR: Cactus Investment Company *

ADDRESS: P.O. Box 24116
Houston, Texas 77029

WELL NAME: 11250' SUA; Miller NO.: 13

LOCATION OF WELL: Sec. 29 T 15S R SW **DEPT. CONSERVATION**

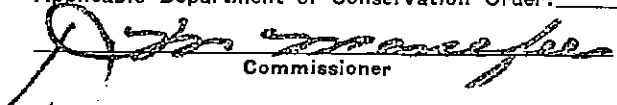
Location Same

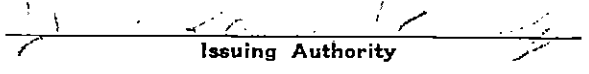
*Formerly: Forest Oil Corp.

AUG 2 01971

Zone or Reservoir of proposed completion: _____

Applicable Department of Conservation Order: Field Order 865 **LAKE CHARLES**


Commissioner


Issuing Authority

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. M O Miller # 13 Sec. 29 T 15S R 5 W

Field Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 76-72

Description of Work Kill well; pull tubing and packer; drill out Baker Model D packer at 11316'; drill cement to 11600'; run Bond log- Perforate 11554-57' IES

Sand & Reservoir To Be Tested TD 12616'

Operator Zinn Petroleum Company *

Address 1910 C & I Bldg.

City, State & Zip Houston, Texas 77002

* formerly Cactus Investment Co.; formerly Forest Oil Corp.

Permit Requested By _____ Date 1-24-72

Permit Authorized By [Signature] District L.C. Date 4-25-72

See Instructions On Reverse Side

Form DM-4R Rev.

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

1. Abandon (Plug & Abd)
2. Deepen
3. Perform
4. Plug
5. Plug
6. detro
7. Pull Casing
8. Change Zone of Selective Completion
9. Drill Salt Water Disposal Well
10. Convert to Salt Water Disposal Well
11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

DEPARTMENT OF CONSERVATION
JAN 25 1960
LAKE CHARLES

ZINN PETROLEUM COMPANY
1910 C & I BUILDING

TELEPHONE 225.0818

HOUSTON, TEXAS 77002

January 24, 1972

Department of Conservation
District Office
PO Box 1767
Lake Charles, Louisiana 70601

Gentlemen:

Please accept the enclosed Amended Permit to Drill with the check. A work permit on the M O Miller # 13 is also enclosed by the new operator, Zinn Petroleum Company. If there are new forms required for this, please send them to us.

Yours truly,

Karen Summers

Mrs. Karen Summers
Secretary to RL Zinn

RLZ:ks
Encls.

DEPT. CONSERVATION

JAN 25 RECD

LAKE CHARLES

State of Louisiana
DEPARTMENT OF CONSERVATION
Inter Office

Date: 1/28/72

To: **Baton Rouge Office**
From: **Lake Charles District**
Att'n: **Fritz Spencer**

Enclosed herewith please find application from Zinn Petroleum Company

for permit to and. opr. & name their

No. O. Miller Well No. 13 Zone: _____

Crab Lake Field, Cameron Parish .

Also enclosed please find:

Check No. 5030 in the amount of \$ 25.00

Well Location Plat _____

Well Location Certification _____

Form A. D. C. _____

Electric Log _____

Schematic Diagram _____

Applicable Department of Conservation Order No. _____ Pending Hearing _____
Docket No. _____

Remarks & Recommendations:

Recommend approval. A new operator is taking over this well and plans to work it over and recomplete out of the unitized sand.

FORMERLY; Cactus Investment Co. #13 11250' SU A; Miller.

Yours very truly,

cc: **Prod. Audit Section**

By: _____
District Manager
W. C. WILHITE

cc: Geological Survey
WCW:JT
LT-1

Lake Charles

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amend Operator & Well Name Amended Permit..... \$25.00

AMENDED PERMIT TO DRILL FOR MINERALS

SERIAL NO. 79019 BATON ROUGE, LA., Iowa Feb. 2, 19 72
PARISH Cameron FIELD: Crab Lake

OPERATOR: Zinn Petroleum Company *
ADDRESS: 1910 C & I Bldg.,
Houston, Texas 77002

WELL NAME: M.O. Miller ** NO.: 13

LOCATION OF WELL: Sec. 29 T 15S R 5W

Location Same

*Formerly: Cactus Investment Company

**Formerly: 11250' SUA; Miller

Zone or Reservoir of proposed completion:

Applicable Department of Conservation Order: 29B

Handwritten signature of Commissioner

Commissioner

Handwritten signature of Issuing Authority

Issuing Authority

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles

DISTRICT

Re: Well Serial No.: 79019

Completed	<input type="checkbox"/>	Flowing	<input type="checkbox"/>	Operator:	<u>Zinn Petr. Co. & Cactus Investment Co.</u>
Recompleted	<input checked="" type="checkbox"/>	Gas-Lifting	<input type="checkbox"/>	Well Name:	<u>Dr. M. O. Miller</u>
Oil	<input type="checkbox"/>	Pumping	<input type="checkbox"/>	Well No.:	<u>13</u> , Sec. <u>29</u> , Twp. <u>15 S</u> , Rge. <u>5 W</u>
Gas	<input checked="" type="checkbox"/>	Shut-In	<input checked="" type="checkbox"/>	Field	<u>Crab Lake</u>
				Parish	<u>Cameron</u>

Date Completed or Recompleted 3-9-72 at 11:30 (a.m.) (~~p.m.~~)

COMPLETION DATA

Initial Production _____ BOPD 30 Gas Volume 1,100,000 MCF/Day
 Tubing Pressure _____ psig 3750 Casing Pressure 0 psig
 Choke Size _____ Positive _____ Adjustable 9/64 B.S. & W. n11 %
 Gas/Oil Ratio 36,667 CF/Bbl. 1 Gravity 43.9 at 60° A. P. I.
 Producing Depth: From 11,554 Ft. to 11,557 Ft. T. D. 11,630 Ft.
 Name of Producing Sand: J-2

~~None~~ *Old Pool List Reason(s) for Pool Classification _____

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for _____ barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___

29-E Unit Attached - Yes ___ No ___

DATE: 3-12-72

Zinn Petroleum Co. & Cactus Investment Co.
COMPANY

[Signature]
COMPANY REPRESENTATIVE

DEPT. OF CONSERVATION

MAR 15 1972

Consultant

TITLE

LAKE CHARLES

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T D A T A</u>	<u>Amount of Oil Produced</u>
	<u>Time of Test</u>	
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
	TOTAL _____	BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. _____
COMPANY

(Signed) COMPANY REPRESENTATIVE

R

W. Miller



Department of Conservation
MINERALS DIVISION
WELL HISTORY AND WORK RESUME REPORT

FIELD	Crab Lake
SERIAL NO.	79019
PRODUCING INTERVAL	11,554-57' IES
RESERVOIR (COMPANY SAND IDENTIFICATION)	J 2

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion or recompletion. NOTE: If not properly completed and signed, this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL RECOMPLETION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS P&A

OPERATOR: **Zinn Petroleum Company** ADDRESS: **1910 C & I Bldg, Houston, Texas 77002**

LEASE NAME: **M. O. Miller** WELL NO.: **13**

PARISH: **Cameron** SEC. **29** TWP. **15 S** RGE. **5 W** DATE PERMIT ISSUED: **Feb. 2, 1972**

DATE SPUDDED: **4-10-60** TOTAL DEPTH: **13,330'** PBTD: **11,630'**

GROUND ELEVATION: **not available** CASING HEAD FLANGE ELEVATION: **not available** DISTANCE FROM RKB TO CHF: **17.7'**

DATE WELL TURNED INTO TANKS: **3-9-72** SINGLE, DUAL OR TRIPLE COMPLETION?: **single** NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED? **No** WAS DIRECTIONAL SURVEY MADE? **No** WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION? **No** DATE FILED: **-----**

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION): **Bond Log** DATE FILED: **-----**

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HRS. UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
10 3/4"	13 3/4"	----	3503'	1500	1500 #		4-16-60	
7 "	9 7/8"	32	12416'	1000	1500 #		5-24-60	
5 "	6 "	18	12612'	70	1800 #		6-3-60	
TUBING SIZE: 2 3/8"		DEPTH OF TUBING: 11,328.5'		DEPTH OF PACKER (S): 11,376'				

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION: **30** BOPD GAS VOLUME: **1100,000** MCF/DAY CHOKE SIZE: **9/64** WELL STATUS: **Shut-in**

TUBING PRESSURE: **3750** psig CASING PRESSURE: **0** psig GOR: **36,667** BS & W: **0** % BHP - (SHUT-IN): **-----** psi

GRAVITY: **43.9** °API@60°F CONSERVATION AGENT MAKING GAUGE: **B. W. Bundick** COMPANY REPRESENTATIVE: **B. W. Bundick** DATE GAUGED: **3-9-72** DATE COMP. **3-9-72**

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF DEPT. AGENT OR OFFSET OPR.
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by **Zinn Petroleum Co.** and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: *[Signature]* Title: **AGENT** DEPT. CONSERVATION

Form WH

MAR 21 1972
LAKE CHARLES

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
76-72	2-17-72	Cactus Oilfield Salvage Co. rig	Pulled packer loose
	2-18 to 3-5-72		Drilling out packer, cement, and junk
	3-6-72		Finished drilling out Baker Model "D" packer
	3-7-72	Jet Guns Inc.	Ran cement bond log
	3-8-72		Set Baker Model R-3 packer at 11,376' Perforated at 11,554-57' IES
	3-9-72		Well flowed 1.1 MMCF gas/day, 30 Bbls. distillate TP 3750 # CP 0 #

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
top of J 2 sand	11,552'		

POTENTIAL REPORT

Type Well: Oil _____ Gas X Distillate _____

Type Test: Comp. _____ Recom. X Retest _____ Regauge _____

Parish CAMERON Field Crab Lake

Company ZINN Petr Co Serial No. 79019

Well Name & No. DR. M. O. MILLER No. 13

Location: Sec. 29 Twp 15S Rge 5W Flowing X Pump _____

Prod. Horizon J. sd Perf. Int. 11,554 to 11,557'

Casing Setting: Size 7" @ 12.424

Tubing Setting: Size 2 1/2" @ 11,376' T.D. 11,630' PB

Date Completed _____ Date Gauged 4-11-72

Acidize with _____ gals. Elev. of Derr. Floor _____

— TEST DATE —

T. P. 3200 C. P. 306 Choke Size 12/64th

Closing TK Gge. 9 ft. 6 in. @ 1:40 PM Time

Opening TK Gge. 2 ft. 6 in. @ 1:40 PM Time

Diff. 7 ft. 0 in. 2.4 Hours (Time)

Tank No. 4098 Tank Coef. 1.16

Bbls. per 24 Hrs. _____ Est. Bbls. per Day ~~98~~ 98

Daily Gas Vol. 2100 M.C.F. G/O Ratio 21.428:1

B.S.&W. TRACE% Corrected Gravity 54.1 Deg. A.P.I.

Witnessed Bur Bundo title Engr.

Gauged by Ber Halcomb title agent
Department of Conservation

District Office Lake Charles

Remarks: 3" x 1 1/2" O.P. St. 780# Diff. 2.5"

FIG. Taps - Std Chart

ZINN PETROLEUM COMPANY
1910 C & I BUILDING

TELEPHONE 225-0818

HOUSTON, TEXAS 77002

May 4, 1972

Mr. William Wilhite
Department of Conservation
PO Box 1767
Lake Charles, Louisiana 70601

RE: M. O. Miller # 13 & 7 Wells
Crab Lake Field

Dear Mr. Wilhite,

I am enclosing three copies of the acreage plat as requested in your letter of May 3, 1972. The gas purchasers nominations have been requested from United Gas and should arrive soon. I hope that is all that is needed to give allowables for these wells.

Yours truly,

Robert L. Zinn (KS)

Robert L. Zinn

DEPT. CONSERVATION
MAY 5 1972
LAKE CHARLES

Copy , STATE OF LOUISIANA DEPARTMENT OF CONSERVATION
Work Permit

Well Name & No. M. O. Miller # 13 Sec 29 T 15s R 5w

Field Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 675-72

Description of Work Squeeze - Perforations - 11-554-57, Perf. - Block
Squeeze 11-458-60; 11-409-11; Squeeze - perfs. 11-254-60 w/100 sack
each squeeze; Drill out cement and recomplete for production
11,554-57

Sand & Reservoir To Be Tested J-2 - J-1 P. B. TD 11-635

Operator Zinn Petroleum Co.

Address 1910 C & I Bldg.

City, State & Zip Houston, Texas 77002

Permit Requested By B. W. Bundick Date 7-15-72

Permit Authorized By @ District 3 Date 7/15/72

See Instructions On Reverse Side

Form DM-4R Rev.

INSTRUCTIONS

A single application will suffice for one, or combinations of the below operations, provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

1. Abandon (Plug & Abd)
2. Deepen
3. Perforate
4. Squeeze
5. Plugback
6. Sidetrack
7. Pull Casing
8. Change Zone of Selective Completion
9. Drill Salt Water Disposal Well
10. Convert to Salt Water Disposal Well
11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

U.S. CONSERVATION

JUL 1 8 29/72
LAKE CHARLES

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. M. O. Miller # 13 Sec. 29 T 15 S R 5 W

Field Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 914-72

Description of Work Squeeze off perfs. 11-554-57 J-2 sand and recom-
plete in J-1 sand 11-440-50 for production.

Sand & Reservoir To Be Tested J-1 TD 12-424

Operator Zinn Petroleum
Address 1910 C & I Bldg.
City, State & Zip Houston, Texas 77002

Permit Requested By B. W. Bundick Date 9-15-72

Permit Authorized By [Signature] District 13 Date 9/20/72

See Instructions On Reverse Side

Form DM-4R Rev.

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

1. Abandon (Plug & Abd)
2. Deepen
3. Perforate
4. Squeeze
5. Plugback
6. Sidetrack
7. Pull Casing
8. Change Zone of Selective Completion
9. Drill Salt Water Disposal Well
10. Convert to Salt Water Disposal Well
11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

SEP 20 1972
MEX. CONS. DIV.
MEX. CONS. DIV.

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

LAKE CHARLES DISTRICT

Re: Well Serial No.: 79019

Completed	<input type="checkbox"/>	Flowing	<input checked="" type="checkbox"/>	Operator:	<u>ZINN PETROLEUM COMPANY</u>
Recompleted	<input checked="" type="checkbox"/>	Gas-Lifting	<input type="checkbox"/>	Well Name:	<u>M. O. MILLER</u>
Oil	<input type="checkbox"/>	Pumping	<input type="checkbox"/>	Well No.:	<u>13</u> , Sec. <u>29</u> , Twp. <u>15S</u> , Rge. <u>5W</u>
Gas	<input checked="" type="checkbox"/>	Shut-In	<input type="checkbox"/>	Field	<u>CRAB LAKE</u>
				Parish	<u>CAMERON PARISH</u>

Date Completed or Recompleted 9-25-72 at 10 o'clock (a.m.) (p.m.)

COMPLETION DATA

Initial Production 105 BOPD Gas Volume 900 MCF/Day

Tubing Pressure 2500 psig Casing Pressure 0 psig

Choke Size 9/64 Positive Adjustable B.S. & W. 40 %

Gas/Oil Ratio 6666/one CF/Bbl. Gravity 43.7 at 60° A. P. I.

Producing Depth: From 11,437 Ft. to 11,457 Ft. T. D. _____ Ft.

Name of Producing Sand: J-1

*New Pool *Old Pool List Reason(s) for Pool Classification _____

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for 0 barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___

29-E Unit Attached - Yes ___ No ___

DATE: _____

ZINN PETROLEUM COMPANY
COMPANY

Bur Busch DEPT. CONSERVATION
COMPANY REPRESENTATIVE

PRODUCTION CONSULTANT
TITLE

DEC 6 - 1972
LAKE CHARLES

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T D A T A</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
TOTAL _____		BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY

(Signed) COMPANY REPRESENTATIVE

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

Type Test: Comp. _____ Recom Retest _____ Regauge _____

Parish Cameron Field Crab Lake

Company FINN Pet. Co. Serial No. 79019

Well Name & No. M. O. Miller # 13

Location: Sec 29 Twp 15S Rge 5W Flowing Pump _____

Prod. Horizon J-1 Perf. Int 11437 to 11460

Casing Setting: Size 7 @ 12 x 16

Tubing Setting: Size 2 7/8 @ 11410 T.D. 12614

Date Completed 9-29-72 Date Gauged 10-9-72

Acidize with _____ gals. Elev. of Derr. Floor 20

— TEST DATE —

T. P. 2450 C. P. 290 Choke Size 14 /64th

Closing TK Gge. 12 ft. 10 in. @ 2:00 PM Time

Opening TK Gge. 11 ft. 11 in. @ 10:00 AM Time

Diff. _____ ft. 11 in. 4 Hours (Time)

Tank No. 4120 Tank Coef. 1.16

Bbls. per 4 Hrs. 12.73 Est. Bbls. per Day 76

Daily Gas Vol. 900 M.C.F. G/O Ratio 11842

B.S.&W. 60 % Corrected Gravity 45.7 Deg. A.P.I.

Witnessed J. M. Kelly Title Pumper

Gauged by Raymond Dick Title _____
Department of Conservation

District Office Lake Charles

Remarks: 690# @ 5"

3 x 1 1/2 O.P.

Std Chart 1500# @ 50'

05-75

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Work Permit

Well Name & No. M. O. Miller #13
Field Crab Lake Sec. 29 T 15S R 5W
Permit Serial No. 79019 Parish Cameron

Description of Work Set bridge plug above perforations 11437 to 11457 and perforate by IES 11134-11140 Work Permit No. 164-73

Subject to cancellation of allowables
Sand & Reservoir To Be Tested H-2 TD _____

Operator Zinn Petroleum Company
Address 1910 C & I Building
City, State & Zip Houston, Texas 77002

Permit Requested By [Signature] Date 1/30/73

Permit Authorized By [Signature] District 135 Date 2/7/73

See Instructions On Reverse Side

Form 3M-4 (1-72)

INSTRUCTIONS

A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

1. Abandon (Plug & Abd)
2. Deepen
3. Perforate
4. Squeeze
5. Plugback
6. Sidetrack
7. Pull Casing
8. Change Zone of Selective Completion
9. Drill Salt Water Disposal Well
10. Convert to Salt Water Disposal Well
11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT

Re: Well Serial No.: 72019

Completed	<input type="checkbox"/>	Flowing	<input checked="" type="checkbox"/>	Operator:	<u>Zinn Petroleum Company</u>
Recompleted	<input checked="" type="checkbox"/>	Gas-Lifting	<input type="checkbox"/>	Well Name:	<u>M. C. Miller</u>
Oil	<input checked="" type="checkbox"/>	Pumping	<input type="checkbox"/>	Well No.:	<u>13</u> , Sec. <u>29</u> , Twp. <u>15S</u> , Rge. <u>5W</u>
Gas	<input type="checkbox"/>	Shut-In	<input type="checkbox"/>	Field	<u>Crab Lake</u>
				Parish	<u>Cameron Parish</u>

Date Completed or Recompleted Feb. 9/73 at 1:00 (a.m.) (p.m.)

COMPLETION DATA

Initial Production No test yet BOPD _____ Gas Volume Approx. 2 MCF/Day
flowed to pit

Tubing Pressure 4000 psig _____ Casing Pressure 600 psig

Choke Size 9/64 Positive _____ Adjustable X B.S.&W. 2 %

Gas/Oil Ratio No test - (waiting CF/Bbl. _____ Gravity _____ at 60° A. P. I.
to hook up)

Producing Depth: From 11134 Ft. to 11140 Ft. T. D. _____ Ft.

Name of Producing Sand: H-2

*New Pool *Old Pool List Reason(s) for Pool Classification _____

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for 0 barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes _____ No _____

29-E Unit Attached - Yes _____ No _____

DATE: _____

Zinn Petroleum Company

COMPANY

Norman S. [Signature]

DEPT. CONSERVATION

COMPANY REPRESENTATIVE FEB 13 1973

Consultant

LAKE CHARLES

TITLE

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T D A T A</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
TOTAL _____		BARRELS

The above total barrels of oil were produced from _____ Ft. to _____ Ft.

Remarks: _____

From - Comp. COMPANY

(Signed) COMPANY REPRESENTATIVE

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

Type Test: Comp. _____ Recom. Retest _____ Regauge _____

Parish Cameron Field Crab Lake

Company ZINN RICO Serial No. 79019

Well Name & No. ~~77777~~ MOMILLER #13

Location: Sec. 29 Twp. 153 Rge. 5W Flowing Pump _____

Prod. Horizon H2 Perf. Int. 11134 to 11140

Casing Setting: Size 7" @ 13416

Tubing Setting: Size 2 7/8 @ 11122 T.D. 13330

Date Completed 2-12-73 Date Gauged 2-27-73

Acidize with _____ gals. Elev. of Derr. Floor 17.7

TEST DATE

T. P. 4000 C. P. 1500 Choke Size 1 1/2 /64th

Closing TK Gge. 13 ft. 7 1/4 in. @ 1:30 PM Time

Opening TK Gge. 13 ft. 3 in. @ 10:30 AM Time

Diff. _____ ft. 4 1/2 in. 3 Hours (Time)

Tank No. 4098 Tank Coef. 1.16

Bbls. per 3 Hrs. 4.91 Est. Bbls. per Day 39

Daily Gas Vol. 1000 M.C.F. G/O Ratio 25695

B.S.&W. 1/10 % Corrected Gravity 53.8 Deg. A.P.I.

Witnessed M.M. Kelly Title _____

Gauged by Raymond D. [Signature] Title _____
Department of Conservation

District Office LAKE CHARLES

Remarks: 600# @ 6 1/2"

3 x 1 1/2 O/P

Std Chart 1500# @ 50"

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. M. O. Miller #13 Sec. 29 T. 15S R. 5W

Field Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 1270-73

Description of Work to perforate for cement squeeze at 10,840-41' & 10,868-69' I. E. S. depth and perforate for production at 10,861-64' and 10,856-58' I. E. S. depth.

Sand & Reservoir To Be Tested Zone G T D

Operator Zinn Petroleum Company
Address 1910 C & I Building
City, State & Zip Houston, Texas 77002

Permit Requested By [Signature] Date 11-29-73

Permit Authorized By [Signature] District 13 Date 12/5/73

See Instructions On Reverse Side

Form DM-4R Rev

6

INSTRUCTIONS

A single application will suffice for one, or combinations of the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

- | | | |
|-------------------------|--|---|
| 1. Abandon (Plug & Abd) | | 7. Pull Casing |
| 2. Deepen | | 8. Change Zone of Selective Completion |
| 3. Perforate | | 9. Drill Salt Water Disposal Well |
| 4. Squeeze | | 10. Convert to Salt Water Disposal Well |
| 5. Plugback | | 11. Drill Product Storage Well |
| 6. Sidetrack | | |

LAKE CHARLES
DEC 5 1975
DEPARTMENT OF

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

SCHLUMBERGER WELL SERVICES

A Division of Schlumberger Technology Corporation
HOUSTON, TEXAS 77001

well

PERFORATING RECORD—RULE 29-B

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

DATE 12-1-73

COMPANY Zimm Petroleum Co.
CITY _____ STATE LA

WELL M.O. Miller #13
FIELD Crab Lake PARISH Cameron

PERFORATING INTERVAL

DEPTH	NO. OF SHOTS	DEPTH	NO. OF SHOTS
<u>10860</u> TO <u>62</u>	<u>9</u>	TO	
<u>10865</u> TO <u>68</u>	<u>13</u>	TO	
TO	22	TO	
TO		TO	
TO	<u>Hyper Jets</u>	TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	
TO		TO	

LOCATION LCHD TRUCK NUMBER 5254 ENGINEER Watson ✓

SWSC-1279-A

DISTRIBUTION: COMPANY
DISTRICT OFFICE—DEPT. OF CONSERVATION
DIVISION
LOCATION

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT Re: Well Serial No.: 79019

Completed Flowing Operator: Zinn Petroleum Company
Recompleted Gas-Lifting Well Name: M. O. Miller #13
Oil Pumping Well No.: 13, Sec. 29, Twp. 15S, Rge. 5W
Gas Shut-In Field Crab Lake
Parish Cameron

Date Completed or Recompleted 12-2-73 at 11:00 (a.m.) (~~p.m.~~)

COMPLETION DATA

Initial Production 386 BOPD Gas Volume 720 MCF/Day

Tubing Pressure 1400 psig Casing Pressure 1600 psig

Choke Size 14/64 Positive Adjustable B.S. & W. ----- %

Gas/Oil Ratio 1807: 1 CF/Bbl. Gravity 47.5 at 60° A. P. I.

Producing Depth: From 11,856 Ft. to 11,864 Ft. T. D. 12,424 Ft.

Name of Producing Sand: "G"

~~*New Pool~~ *OLD POOL List Reason(s) for Pool Classification _____
~~XXXXXXXX~~ ~~XXXXXXXX~~

*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for 386 *cleared* barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes ___ No ___
29-E Unit Attached - Yes ___ No ___

DATE: 12 4 73

Zinn Petroleum Company
COMPANY

[Signature]
COMPANY REPRESENTATIVE

Producer - Operator
TITLE

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>TEST DATA</u> <u>Time of Test</u>	<u>Amount of Oil Produced</u>
<u>Dec. 2, 1973</u>	<u>11:00</u> AM. to <u>7:00 A.</u> M.	<u>Dec. 3</u> <u>322</u> Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
_____	_____ M. to _____ M.	_____ Barrels
TOTAL		<u>322</u> BARRELS

The above total barrels of oil were produced from 11,856 Ft. to 11,864 Ft.

Remarks: Well is shut-in.

DEC 6 1973

LAF CHARLES


 (Signed) COMPANY REPRESENTATIVE

ZINN PETROLEUM COMPANY
COMPANY

From - Comp.

POTENTIAL REPORT

Type Well: Oil Gas _____ Distillate _____

Type Test: Comp. _____ Recomp. Retest _____ Regauge _____

Paris Cameron Field Grab Lake

Company ZINN OIL Co. Serial No. 79019

Well Name & No. DR. M. O. Miller #13

Location: Sec 29 Twp. N's Rge. SW Flowing Pump _____

Prod. Horizon G sand Perf. Int. 10865 to 10868

Casing Setting: Size 5" @ 12613

Tubing Setting: Size 2 7/8 @ _____ T.D. 12612

Date Completed 12-10-73 Date Gauged 12-10-73

Acidize with _____ gals. Elev. of Derr. Floor _____

— TEST DATE —

T. P. 1700 C. P. 800 Choke Size Adj /64th

Closing TK Gge. 3 ft. 2 in. @ 2:30 PM Time

Opening TK Gge. 1 ft. 1 in. @ 11:30 AM Time

Diff. 1 ft. 1 in. 3 Hours (Time)

Tank No. 4098 Tank Coef. 1.16

Bbls. per 3 Hrs. 15.08 Est. Bbls. per Day 1.21

Daily Gas Vol. 220 M.C.F. G/O Ratio 18.33

B.S.&W. 1/10 % Corrected Gravity 47.8 Deg. A.P.I.

Witnessed [Signature] Title Pumper

Gauged by [Signature] Title _____
Department of Conservation

District Office Lake Charles

Remarks: 5.50" @ 2"

3 x 1 O.P.

Std Chart 1500" @ 100"

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. M. O. Miller #13 Sec. 29 T 15S R 5W

and Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 1067-79

Description of Work Squeeze perforations 10860'-68' perforate and
block squeeze 9904'-06', 9916'-18', perforate for production
9907'-9912'.

Sand & Reservoir To Be Tested CF Sand, seg. A TD 12,614

Operator Zinn Petroleum Company

Address 1600 C & I Building

City, State & Zip Houston, Texas 77002

Permit Requested By Wanda B. Poise Date 12-7-79

Permit Authorized By WLM District L.C. Date 12/14/79

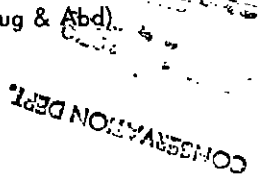
See Instructions On Reverse Side

Form DM-48 (11-77)

INSTRUCTIONS


A single application will suffice for one, or combinations of, the below operations provided that if more than one operation is requested on one form, such work must be performed consecutively.

If additional applications for Work Permits are necessary on any one well, each should be numbered 1, 2, etc. in the order requested. An original and one copy of this form will suffice for all work with exception of plug and abandon, for which an original and three copies are required.

- 
1. Abandon (Plug & Abd)
 2. Deepen
 3. Perforate
 4. Squeeze
 5. Plugback
 6. Sidetrack
 7. Pull Casing
 8. Change Zone of Selective Completion
 9. Drill Salt Water Disposal Well
 10. Convert to Salt Water Disposal Well
 11. Drill Product Storage Well

NOTICE: To perform any of the above, as well as any other possible operations in Louisiana, without first obtaining a Permit is an infraction of the law and subject to prosecution.

Miller



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD: Crab Lake
 SERIAL NO: 79019
 PRODUCING INTERVAL: 9907'-9912'
 RESERVOIR (COMPANY SAND IDENTIFICATION): CF (9900') Sand

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES

<input type="checkbox"/> NEW WELL	<input type="checkbox"/> 31 INACTIVE DRY HOLE FUT. UTIL.	PRODUCT	IF RECOMPLETION	DATE COMP. RECOMP. OR P & A (MM DD YY)
<input checked="" type="checkbox"/> RECOMPLETION	<input type="checkbox"/> 32 INACTIVE DRY HOLE NO FUT. UTIL.	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	● 2-16-80
<input type="checkbox"/> P & A	<input type="checkbox"/> 36 INACTIVE WAITING ON PIPELINE	<input checked="" type="checkbox"/> GAS	<input checked="" type="checkbox"/> DIFFERENT RESERVOIR	
	<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	<input type="checkbox"/> OTHER		

OPERATOR: Zinn Petroleum Company CODE: 6681 ADDRESS: 1600 C & I Building, Houston, Texas 77002

WELL NAME: M.O. Miller WELL NO.: 13

PARISH: Cameron SEC. 29 TWP. 15s RGE. 5w DATE PERMIT ISSUED: 12-14-79

DATE SPUNDED (MM DD YY): 2-20-80 DATE READY TO PRODUCE*: 2-20-80 TOTAL DEPTH: 12614' PBT.D.: 10670'

GROUND ELEVATION: N/A CASING HEAD FLANGE ELEVATION: N/A DISTANCE FROM RKB TO CHF: 17-7'

DATE WELL TURNED INTO TANKS: 2-20-80 SINGLE, DUAL OR TRIPLE COMPLETION?: Single NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED?: No WAS DIRECTIONAL SURVEY MADE?: No WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?: ----- DATE FILED: -----

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION): Gamma Ray DATE FILED: -----

CASING, LINER AND TUBING RECORD

●	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO					
101	10, 3/4	13, 3/4		0	3503	1500				
102	7	9 7/8	32	0	12416	1000				
103	5	6	18	12305	12612	70				
104										
105										

TUBING SIZE: 2 7/8" DEPTH OF TUBING: 9816' DEPTH OF PACKER(S): 9816'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION: 6 GAS VOLUME: 700 GOR: 116,667 CHOKE SIZE: 6 /64" PRODUCING METHOD: Flowing

FLOWING TUBING PRESSURE: 3050 psig SHUT-IN TUBING PRESSURE: 3550 psig CASING PRESSURE: 500 WATER PRODUCTION: 0 BPD BSBW: 0 %

GRAVITY: 50.2 °API@60°F BHP (SHUT-IN): 4607 est. psig COMPANY REPRESENTATIVE: W. M. Kelly DATE GAUGED: 2-22-80

PLUG AND ABANDON (P & A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by Zinn Petr. Co. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: London L. Cairns Title: Petroleum Engineer

* Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

A. D.

WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1067-79	Feb. 7-15. 1980	CRC Western, Halliburton	Squeezed perforations 10860'-68' with 57 sacks cement out, perforated & block squeezed 9904'-06', 9916'-18' with 73 sacks cement out; perforated for production 9907'-12'.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

28 : 6 v 02 117
 FPR 20 A 9 : 82

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

WELL COMPLETION OR RECOMPLETION REPORT

29-E COMPLIANCE YES NO
29-E UNIT ATTACHED YES NO
D.O.C. USE ONLY

[Handwritten scribble]

DISTRICT Lake Charles

CODE NUMBERS: 12 | PARISH Cameron
3000 | FIELD Crab Lake
6681 | OPERATOR Zinn Petroleum Company
533396 | WELL NAME M. O. Miller NO. 13 SERIAL NO. 79019
RESERVOIR CF (9900) Sand | COMPLETION DATE 2-20-80 TIME 3:30 AM PM
SEC. 29 T 15S R 5W DOC ORDER NO. _____

IMPORTANT: IS A FORM MD-10-R-A BEING FILED WITH THIS REPORT? IF NO, EXPLAIN YES NO

REMARKS: Plugback

COMPLETION DATA:

* TYPE COMPLETION <input checked="" type="checkbox"/> 1 - ORIG. COMP. <input type="checkbox"/> 2 - RE-COMP.	PRIMARY PRODUCT <input checked="" type="checkbox"/> 1 - OIL <input type="checkbox"/> 2 - GAS <input type="checkbox"/> 3 - DRY GAS	PRIMARY PRODUCT CHANGE? <input checked="" type="checkbox"/> 1 - YES <input type="checkbox"/> 2 - NO	PRODUCING METHOD <input checked="" type="checkbox"/> 1 - FLOWING <input type="checkbox"/> 2 - GAS LIFT <input type="checkbox"/> 3 - PUMPING <input type="checkbox"/> 4 - SHUT IN
---	--	---	--

* IF THIS IS A RE-COMPLETION SPECIFY: SAME RESERVOIR DIFFERENT RESERVOIR

<u>6</u> BOPD INITIAL PROD.	<u>700</u> MCF/DAY GAS VOLUME	<u>3050</u> PSIG FLOWING TUBING PRESSURE	<u>3550</u> PSIG SHUT-IN TUBING PRESSURE	<u>500</u> PSIG CASING PRESSURE
<u>6</u> /64" <input checked="" type="checkbox"/> 1 - POSITIVE <input type="checkbox"/> 2 - ADJUST CHOKE SIZE	<u>0</u> % BS & W	<u>116,667</u> CF/BBL GOR	<u>50.2</u> API AT 60°F GRAVITY	

PERFORATIONS 9907'-9912' TOTAL DEPTH _____

CLEARANCE & CERTIFICATION:

ADDITIONAL CLEARANCE IS REQUESTED FOR _____ BBLs. OF OIL PRODUCED ON DRILL-STEM OR OTHER PRODUCTION TEST: (SEE SECTION X PARAGRAPH B OF ORDER 29-B ON REVERSE SIDE).

CERTIFICATION
I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Clendon B. Cairns
SIGNATURE
Zinn Petroleum Company
OPERATOR
Petroleum Engineer
TITLE

INSTRUCTIONS
THREE (3) COPIES TO BE FILED WITH THE DISTRICT OFFICE WITHIN THREE (3) DAYS OF DATE OF COMPLETION OR RECOMPLETION (AS PER ORDER 29-B, SECTION X, PARAGRAPH A, ARTICLE 1).

STATE OF LOUISIANA
OFFICE OF CONSERVATION
LOUISIANA STATE POTENTIAL REPORT

District LAKE CHARLES INPUT TYPE
 Field CRAB LAKE 1 - OC Only
 Parish CAMERON 2 - Original
 Operator ZINK PET. CO. Code N/A 3 - Correction
 Sec. 29 TWP. 155 RGE. 541 Test Date 3 / 7 / 80
12 Mo. Day Yr.

TYPE OF WELL TYPE OF TEST PRODUCING METHOD

1-OIL 1-COMPLETION F-FLOWING
 2-GAS 2-RECOMPLETION P-PUMPING
18 19 20 G-GASLIFT

WELL SERIAL NO.	WELL NAME	WELL NO.	NAME OF RESERVOIR
79018	M.O. MILLER	13	C.F ZONE

27

TOTAL DEPTH	PERFORATED INTERVAL FROM	PERFORATED INTERVAL TO	CHOKED /64"	OIL BBL/DAY	COND. BBL/DAY	GAS MCF/DAY	GAS/OIL RATIO CF/BBL
12612	9907	9912		14	—	750	53995/1
33	38	43	48	51	57	63	69

API GRAV. @ 60° F.	WATER BBL/DAY	BS&W %	FLOWING PRES. (PSIG)	CASING PRES. (PSIG)	DATE OF COMPLETION		
					MO.	DAY	YR.
47.8	1	1/10	2800	500	2	22	80
76	80	86	89	95	101 ON LINE		

CLOSE TANK / METER GAUGE 14' 1/2" @ 7 AM TIME
 OPEN TANK / METER GAUGE 13' 11" @ 10 AM TIME
 DIFFERENCE 1.73 in _____ HOURS
 TANK / METER NO. 4120 TANK COEF. 1.16

STATIC PRES. 975 DIFFERENTIAL PRES. 40" LINE SIZE 2"
 PLATE SIZE .750 COEFFICIENT 1500 METER SPRING & DIFF. RANGE 100

REMARKS _____

WITNESSED BY [Signature] GAUGED BY [Signature]
 TITLE _____ TITLE _____

2901140 3701
LAGE CHARGE
LAGE LAGE
LAGE LAGE
LAGE LAGE
LAGE LAGE

H/H

2M

F

S

S

19 C.F. 5012

W.D. 011165

1015

11 2222 11

11

STOP TOPP

1515

08 55 80

200

5500

110

8.08

1011

1011
1011

1011
1011

1.18

1510

1.18

F

1011

1200

2.12
1.10

100

19 19 00

1011

1011

ZINN PETROLEUM COMPANY
1600 C & I BUILDING

TELEPHONE 659-6131

March 12, 1980

HOUSTON, TEXAS 77002

Louisiana Department of Conservation
P.O. Box 1767
Lake Charles, Louisiana 70601

Attention: Mr. Frank Perkins

Re: Allowable Request
M.O. Miller #13
Crab Lake Field
Cameron Parish
Louisiana

Gentlemen:

Enclosed are copies of our acreage plat and the State Potential report for the subject well, which was recently recompleted in the CF Sand. Form WH and the Recompletion form have previously been submitted. We would appreciate an allowable of 750 MCFD effective February 22, 1980.

Our M.O. Miller #7 Well is completed in the same reservoir as the #13 well; these wells are approximately 970' apart, and we have therefore shut in the #7 well, and are assigning all of the 247 acres to the #13 well.

Yours very truly,

ZINN PETROLEUM COMPANY



Clendon B. Caire

have not received

CBC:n1
Encl.

PERFORATING DATA SHEET

LANE-WELLS COMPANY

Number Jobs This Trip: 1 *Favorable*

District A.C. Operating Base A.C. Date 6-17-60 S. O. # 14729
 Truck No. P-436 Operator L. Davis Helper H. H. H. H.
 Customer Forest Hill Camp Authorized Agent Wm. D. Day & Co. West.
 Name of Well Muller No. 13 Field West Lake
 State La. Country/Parish Cameron

Job Scheduled _____ A.M. Arrived At _____ Location _____ A.M.
 P.M. P.M. Landing _____ P.M.
 On Job _____ A.M. M. Res. Off Job _____ A.M. M. Res.
 P.M. P.M.
 Standby Time _____ Max. Temp. _____ ° F.
 New or Old Well New Purpose of Perforating Prod. Kind of Fluid 13-41 Level Full
 Casing Record 7" 32" Cemented In 9 1/2" H. Liner Record 5" 18" Cemented In 6" OH
 Customer's Depth 12523 Measure Method _____ Zero Point 1" DR.
 Lane-Wells Depth _____ Size Gun No. _____ No. _____ Type _____ Controller No. _____ No. _____
 Bullet Size 140 Holes from 12500 to 12465 Ft. Holes from _____ to _____ Ft.
 Holes from _____ to _____ Ft. Shooting Zones Approved By: W. C. V. C. Title _____

Run No.	Run No. 1	Run No. 2	Run No.	Run No.	Run No.	Run No.
1	12500-500.5	12487-875	12475-175.5			
2	12477 (12)	12465 (8)	12462 (14.5)			
3						
4						
5						
6						
7						
8						
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18						
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25						
26						
27						
28						
29						
30						

RECEIVED
 JUN 21 1960
 DEPARTMENT OF MINERALS
 LAKE CHARLES

ONLY

AMENDED PERMIT TO DRILL FOR MINERALS

DEPARTMENT OF CONSERVATION

Amended Permit \$25.00

Change

5000 Effective
yymm

079019

Serial No.

LC

Date September 24 1980

CURRENT CODE
012

PARISH

Cameron

FORMER CODES

3000

FIELD

Crab Lake

6681

6279

OPERATOR

Watson Oil Corporation*

ADDRESS

4801 Woodway, Suite 480W

CITY & STATE

Houston, TX 77056

079019

WELL NAME

M O Miller

No. 13

LOCATION OF WELL: c. 29 T 15S R 5W

Former Well No. _____

Location Same

*Formerly Zinn Petroleum Co

Applicable Department of Conservation Order 298

[Signature]
Commissioner

[Signature]
Issuing Authority

DISTRICT OFFICE COPY

No. 70885 A

AMENDMENT ACTION

- 0.0.9. PARISH
- 0.3.4. FIELD
- 0.3.5. OPERATOR
- 0.1.6. LSE-UN
- 0.1.6. UN-LSE
- 0.1.6. LSE-LSE
- 0.1.6. UN-UN
- 0.1.4. WELL NO.
- 5.2.1. LOCATION

Change
 Correction
8008 Effective Date
yy mm
9999 End Date
yy mm

079019 Serial No. NO Date 4-27-81
CURRENT CODES
012 PARISH Cameron
3000 FIELD Crab Lake
63 OPERATOR Watson Oil Corporation
ADDRESS 4801 Woodway, Suite 480W
CITY & STATE *Houston, TX 77056

FORMER CODES

AMENDMENT ACTION

- 0,0,9: PARISH
- 0,3,4: FIELD
- 0,3,5: OPERATOR
- 0,1,6: LSE-UN
- 0,1,6: UN-LSE
- 0,1,6: LSE-LSE
- 0,1,6: UN-UN
- 0,1,4: WELL NO.
- 5,2,1: LOCATION

606975 WELL NAME 9900 RA SUA; Miller * No. 13 Alt 079019
LOCATION OF WELL: Sec. 29 T 15S R 5W Former Well No.

Location same * M O Miller

Applicable Order 865-B

R. J. ...
Commissioner

[Signature]

DISTRICT OFFICE COPY

No. kcd A-C

AMENDED PERMIT TO DRILL FOR MINERALS (CORRECTED)

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
Amended Permit (Corrected)

- Change
- Correction
- Effective Date
- End Date

Serial No. **079019** NO
 Date **5-27-81**
 CURRENT CODES
012 PARISH **Cameron**
3000 FIELD **Crab Lake**
6279 ** OPERATOR **Watson Oil Corporation**
 ADDRESS **4801 Woodway, Suite 480W**
 CITY & STATE **Houston, TX 77056**

FORMER CODES

AMENDMENT ACTION

- PARISH
- FIELD
- OPERATOR
- LSE-UN
- UN-LSE
- LSE-LSE
- UN-LIN
- WELL NO.
- LOCATION

606975 WELL NAME **9900 RA SUA; Miller** No. **13A11**
 LOCATION OF WELL: Sec. **29** T **15S** R **5W** Former Well No.
Location same FORMERLY TYPED AS * 070019 ✓
**** 63**

Applicable Department of Conservation Order

R. T. Sutter
 Commissioner

E. J. ...
 Signing Authority
 No.

DISTRICT OFFICE COPY

kcd

A-C

Change
8107 Effective
yy mm

079019	Serial No.	LC	Date	8-27-81
CURRENT CODES				
012	PARISH	Cameron		
3000	FIELD	Crab Lake		
3637	OPERATOR	MCOR Oil Development, Inc. *		
	ADDRESS	4801 Woodway, Ste 480 W		
	CITY & STATE	Houston, TX		77056

FORMER CODES

6279


AMENDMENT ACTION

- 0,0,9: PARISH
- 0,3,4: FIELD
- 0,3,5: OPERATOR
- 0,1,6: LSE-UN
- 0,1,6: UN-LSE
- 0,1,6: LSE-LSE
- 0,1,6: UN-UN
- 0,1,4: WELL NO.
- 5,2,1: LOCATION

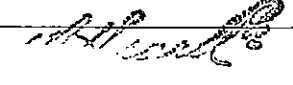
606975 WELL NAME 9900 RA SWA; Miller No. 13-Alt
 LOCATION OF WELL: Sec. 29 T 15S R 5W Former Well No.

Location same * Watson Oil Corporation

Applicable Department of Conservation Order



Commissioner



Issuing Authority

kcd

DISTRICT OFFICE COPY

No. 73102 A

LOUISIANA DEPARTMENT OF CONSERVATION

Name & No. Mo Miller #13 Sec. 29 T. 15S R. 5W

Field Crab Lake Parish Cameron

Permit Serial No. 79019 Work Permit No. 1145-821

Description of Work Plug & abandon Producing interval 9907-9912
Squeeze across perf 100 ft in and 100 ft out of cut
50 ft in surface casing Cut surface 3 ft below ground
weld 1/2" plate

Sand & Reservoir To Be Tested Plug & Abandon TD 12,614'

Operator MCOR Oil Development, Inc.
Address One Woodway West - 4801 Woodway Drive
City, State & Zip Houston, Texas 77056

Permit Requested By P & A Well Service Inc. Date 11-29-82

Permit Authorized By W. W. Walker District L.C. Date 12-3-82

Instruction Or Reverse Side

Form DM-4R Rev.

STATE OF LOUISIANA
OFFICE OF CONSERVATION
PLUG AND ABANDON REPORT

W. Miller

WORK PERMIT NO. 1145-82

WELL SERIAL NO. 79019
DATE WORK FINISHED (MM-DD-YY) 12-10-82

Lake Charles DISTRICT
(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Crab Lake Parish _____ Sec. 29 Twp. 15S Rge. 5W
Operator MCOR Oil Development CODE Well Name M.O. Miller Well No. 13
Total Depth 12,614' Condition of Well Dry

CHECK APPROPRIATE BOX:

- 29 DRY HOLE
 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301	7"	3500'	3400'	3600'	80	Pumped
302	10 3/4"	10'	12'	62'	25	Pumped
303						
304	2 7/8"	9800'	9800'	9912'	50	Squeezed

Mud Record: Weight 9.6# Viscosity 48

Remarks: Cut all pipe 10' below ground and welded 1/2" steel plate ont top of 10 3/4" casing.

This work was done according to the Rules and Regulations of the Office of Conservation.

Eldrige Lejeune
WITNESS

MCOR Oil Development Inc.
OPERATOR

Edward J. ...
(Signed) REPRESENTATIVE



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

P

FIELD	Crab Lake
SERIAL NO.	79019
PRODUCING INTERVAL	9,907' - 9,912'
RESERVOIR (COMPANY SAND IDENTIFICATION)	CF(9,900') Sand

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		<input checked="" type="checkbox"/> 31 INACTIVE DRY HOLE FUT. UTIL.	PRODUCT	IF RECOMPLETION	DATE COMP. RECOMP. OR P & A M D Y
<input type="checkbox"/> NEW WELL	<input type="checkbox"/> 32 INACTIVE DRY HOLE NO FUT. UTIL.	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	<input checked="" type="checkbox"/> 12-10-82	
<input type="checkbox"/> RECOMPLETION	<input type="checkbox"/> 36 INACTIVE WAITING ON PIPELINE	<input checked="" type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR		
<input checked="" type="checkbox"/> P & A	<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	<input type="checkbox"/> OTHER			
OPERATOR	CODE	ADDRESS			
MCOR Oil Development, Inc.	3637	4801 Woodway, Suite 480W Houston, Texas 77056			
WELL NAME	WELL NO.				
9900' RA SUA; Miller	13 alt.				
PARISH	SEC.	TWP.	RGE.	DATE PERMIT ISSUED	
Cameron	29	15S	5W	12-3-82	
DATE SPUNDED	DATE READY TO PRODUCE*	TOTAL DEPTH	P&T O		
4-10-60		12,614			
GROUND ELEVATION	CASING HEAD FLANGE ELEVATION	DISTANCE FROM RKB TO CHF			
DATE WELL TURNED INTO TANKS	SINGLE, DUAL OR TRIPLE COMPLETION?	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION			
WAS WELL DIRECTIONALLY DRILLED?	WAS DIRECTIONAL SURVEY MADE?	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	DATE FILED		
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)			DATE FILED		

CASING, LINER AND TUBING RECORD

C	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO					
	SAME									

TUBING SIZE: DEPTH OF TUBING: DEPTH OF PACKER(S):

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
BOPD	MCF/DAY	CF/BBL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BSSW
psig	psig		BPD	%
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE GAUGED	
°API@60° F	psig			

PLUG AND ABANDON (P & A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
10 3/4"	10'	12'	62'	25	pumped	12-10-82	
7"	3500'	3400'	3600'	80	pumped	12-10-82	
		9800'	9912'	50	pumped	12-10-82	

CERTIFICATE: I, the undersigned, state: That I am employed by MCOR Oil Development, Inc. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: *Jane Ashcraft* Title: Production Analyst

*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1145-82	11-29-82 thru 12-10-82	P&A Well Service, Inc.	<p>Plug & Abandon. Pull 9800' of 2 7/8" tubing. Pull 10' of 10 3/4" casing and 3500' of 7" casing. Set cement plug from 9800' - 9912' with 50 sacks cement. Set cement plug from 3400' - 3600' with 80 sacks cement. Set cement plug from 12'-62' with 25 sacks cement. Cut all pipe 10' below ground and welded 1/2" steel plate on top of 10 3/4" casing.</p> <p>Mud weight 9.6, Viscosity 48.</p>

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
		22 117 41	