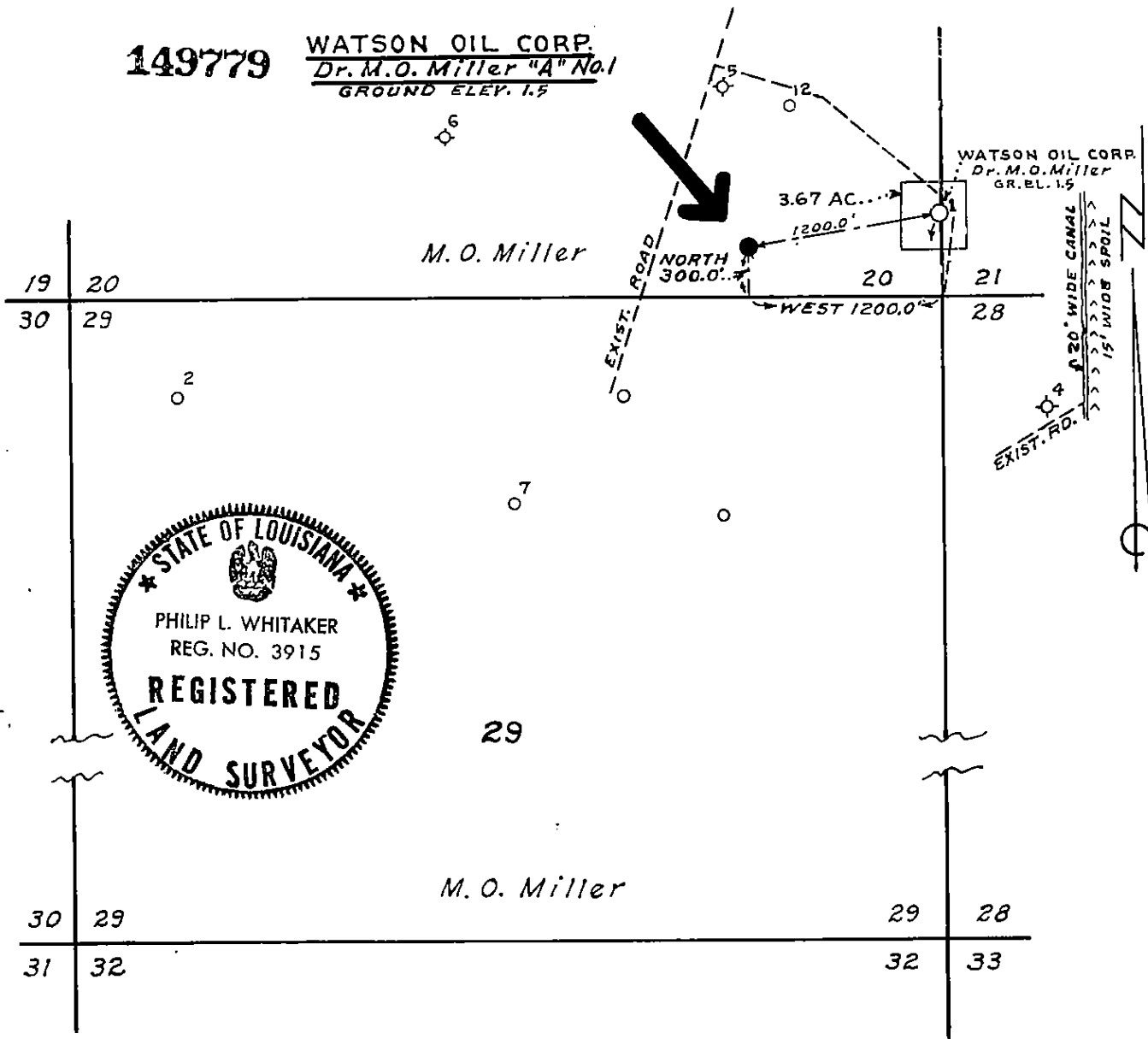


149779

WATSON OIL CORP.
Dr. M.O. Miller "A" No.1
GROUND ELEV. 1.5



WELL LOCATION
WATSON OIL CORP.
Dr. M.O. Miller "A" No.1

From the Southeast corner of Section
20, T.15 S., R.5 W., go West 1200.0 feet,
thence North 300.0 feet to the Location.
Ground Elev. 1.5

We hereby certify that we staked the
above Well Location as shown August
18, 1975. F. Shutt's Sons-Civil Engineers.

WATSON OIL CORP.
WELL LOCATION
IN SECTION 20
T.15 S., R.5 W
CAMERON PARISH, LA.

SCALE: 1" = 1000'

AUGUST 18, 1975

F. Shutt's Sons
Civil Engineers
Lake Charles, La.

Philip L. Whitaker
PHILIP L. WHITAKER, LA. REG. NO. 3915

STATE OF LOUISIANA
DEPT. OF CONSERVATION

PERMIT TO DRILL FOR MINERALS

PERMIT\$100.00
Multiple Zone Processing

Send To: ATT LAKE CHARLES/5 Date: SEPTEMBER 4, 1975
Serial No.: Ser. #149779 API #1702320951
Parish: CAMERON Field: ORAB LAKE

Operator: WATSON OIL CORPORATION
Address: P.O. BOX 4128
City & State: SHREVEPORT, LOUISIANA 71104
Well Name: DR. M. O. MILLER A NO. 1
Location: SEC 20, T15S, R5W
300' FEL & 1200' FEL OF SEC. 20-T15S-R5W.

Zone or Reservoir of Proposed Completion: P. T. D. 12,500'
Applicable Department of Conservation Order: ROBILUS
29B, 29E

R. T. Sutter
COMMISSIONER

Joseph L. Dillall
ISSUING AUTHORITY

133865



DEPARTMENT OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD
Crab Lake
SERIAL NO.
149779
PRODUCING INTERVAL
12,422-12,432 & 12,456-12,476
RESERVOIR (COMPANY SAND IDENTIFICATION)
Robulus

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
Watson Oil Corporation
ADDRESS
P. O. Box 4128 Shreveport, La. 71104

LEASE NAME
Dr. M. O. Miller "A"
WELL NO.
1

PARISH
Cameron
SEC. 20 TWP. 15S RGE. 5W
DATE PERMIT ISSUED
9-4-75

DATE SPUNDED DATE READY TO PRODUCE*
10-1-75 1-9-76
TOTAL DEPTH
13,207
PBTD.
12,590

GROUND ELEVATION
1.5
CASING HEAD FLANGE ELEVATION
2.0
DISTANCE FROM RKB TO CHF
20.15

DATE WELL TURNED INTO TANKS
WOPL
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? Yes
WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION? Yes
DATE FILED
1-13-76

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)
ISF/Sonic; FDC/CNL; Dipmeter; Thermal Neutron
DATE FILED
1-13-76

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	Driven		137					
10-3/4	15	40.5	2950	2600	2400	1/2	10-5-75	
7	9-7/8	26 & 29	12666	1925	5000	1/2	12-27-75	

TUBING SIZE: 3-1/2 DEPTH OF TUBING: 12,200 DEPTH OF PACKER(S): 12,200

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION
350 BOPOD
GAS VOLUME: 19,500 MCF/DAY
CHOKE SIZE
35 /64
WELL STATUS
Flowing
TUBING PRESSURE
4485 psig
CASING PRESSURE
pkp psig
GOR
55,700:1
BS & W
0 %
SHUT-IN
XXX
4880 psi
GRAVITY
42.8 *API#60°F
CONSERVATION AGENT MAKING GAUGE
Pelt
COMPANY REPRESENTATIVE
Pelt
DATE GAUGED
1-9-76

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 Watson 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: R.C. [Signature] Title: Chief Petr. Engr.

* 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
1186-75	10-28-75 to 11-17-75	Glasscock Drig	Deepen well from 12,500' to 13,207'.
1204-75	11-17-75 to 11-23-75	Halliburton	Plug back from 13,207' to 12,635'.
	1-8-76	Schlumberger	Perforate

Revised

JAN 20 1976

DEPT. OF CONSERVATION
PERMIT SECTION
BA 1 HOUSE, PA

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

FORMATION	DEPTH	FORMATION	DEPTH

CONSERVATION DEPT.

JAN 15 1976

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
1186-75	10-28-75 to 11-17-75	Glasscock Drig	Deepen well from 12,500' to 13,207'.
1204-75	11-17-75 to 11-23-75	Halliburton	Plug back from 13,207' to 12,635'.
	1-8-76	Schlumberger	Perforate

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

FORMATION	DEPTH	FORMATION	DEPTH



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD
Crab Lake

SERIAL NO.
149779

PRODUCING INTERVAL
12,422-12,432 & 12,456-12,476

RESERVOIR (COMPANY SAND IDENTIFICATION)
Robulus

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
Watson Oil Corporation

ADDRESS
P. O. Box 4128 Shreveport, La. 71104

LEASE NAME
ROBERT RA SAA;
E. Miller "A"

WELL NO.
1 (alt.)

PARISH
Cameron

SEC. 20 TWP. 15S RGE. 5W

DATE PERMIT ISSUED
9-4-75

DATE SPUNDED
10-1-75

DATE READY TO PRODUCE*
1-9-76

TOTAL DEPTH
13,207

P.B.T.D.
12,590

GROUND ELEVATION
1.5

CASING HEAD FLANGE ELEVATION
2.0

DISTANCE FROM RKB TO CHF
20.15

DATE WELL TURNED INTO TANKS
WOPL

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?
Yes

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?
Yes

DATE FILED
1-13-76

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)
(ISF/Sonic); FDC/CNL; Dipmeter; Thermal Neutron

DATE FILED
1-13-76

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	Driven		137					
10-3/4	15	40.5	2950	2600	2400	1/2	10-5-75	
7	9-7/8	26 & 29	12666	1925	5000	1/2	12-27-75	

TUBING SIZE: 3-1/2 DEPTH OF TUBING: 12,200 DEPTH OF PACKER(S): 12,200

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION
350 BOPD

GAS VOLUME
19,500 MCF/DAY

CHOKE SIZE
35 /64

WELL STATUS
Flowing

TUBING PRESSURE
4485 psig

CASING PRESSURE
pkc psig

GOR
55,700:1

DS & W
0 %

SHUT-IN
4880 psi

GRAVITY
42.8 *API-60°F

CONSERVATION AGENT MAKING GAUGE
Pelt

COMPANY REPRESENTATIVE
Pelt

DATE GAUGED
1-9-76

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 Watson 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: R.C. [Signature] Title: Chief Petr. Engr.

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

State of Louisiana



R. T. SUTTON
COMMISSIONER

DEPARTMENT OF CONSERVATION
P. O. BOX 44275 - CAPITOL STATION
BATON ROUGE, LA 70804

September 5, 1975

RE: Cameron Parish
Crab Lake Field
Dr. M. O. Miller A #1
Serial #149779

Watson Oil Corporation
P. O. Box 4123
Shreveport, LA 71104

Gentlemen:

We are issuing Permit to Drill for the above referenced well with the understanding that in the event the well is a producer no allowable will be assigned until a suitable unit has been formed in compliance with the provisions of Statewide Order No. 29-B.

In addition, the permit to drill is issued with the understanding that you will furnish the appropriate District Manager with Inclination and/or Directional Survey data as proof that the well will be completed in compliance with the provisions of Statewide Order No. 29-B, Section XVIII, Dated March 1, 1967, before an allowable will be assigned said well.

Completion cannot be in any pool in which the location does not conform with the provisions of Statewide Order No. 29-B.

No allowable will be assigned this well unless in compliance with the above provisions.

Very truly yours,

R. T. SUTTON, COMMISSIONER
DEPARTMENT OF CONSERVATION

BY

Joseph W. Hecker
Chief Engineer

cc: Wm. C. Wilhite
District Manager
Lake Charles

JFD/sdb

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT Re: Well Serial No.: 149779

Completed Flowing Operator: Watson Oil Corporation
Recompleted Gas-Lifting Well Name: Dr. M. O. Miller "A"
Oil Pumping Well No.: 1, Sec. 20, Twp. 15S, Rge. 5W
Gas Shut-In Field Crab Lake
Parish Cameron

Date Completed ~~or Recompleted~~ January 9, 1976 at 8:00 (~~xxxx~~) (p.m.)

COMPLETION DATA

Initial Production 350 BOPD Gas Volume 19,500 MCF/Day
Tubing Pressure 4485 psig Casing Pressure -- psig
Choke Size 35/64 Positive -- Adjustable X B.S. & W. 0 %
Gas/Oil Ratio 55,700 CF/Bbl. Gravity 42.8 at 60° A. P. I.
Producing Depth: From 12,456 Ft. to 12,476 Ft. T. D. 13,207 Ft.
Name of Producing Sand: Robulus

*New Pool *Old Pool List Reason(s) for Pool Classification Same reservoir as Watson Oil Corporation Dr. M. O. Miller No. 1

*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 -- Watson Oil Corporation COMPANY

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

DATE: Jan 12 1976 R. C. [Signature] COMPANY REPRESENTATIVE

Chief Petroleum Engineer

TITLE

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

FORM A D

REPORT OF PROOF OF APPARENT DEVIATION

SERIAL NO. 149779

OPERATOR Watson Oil Corporation DISTRICT Lake Charles

FIELD Crab Lake PARISH Cameron

WELL NAME & NO. Dr. M. O. Miller "A" No. 1 SEC. 20 T 15S R 5W

Degrees Deviation	Deviation Factor	DEGREES DEVIATION	DEPTH FROM SURFACE	LENGTH OF INTERVAL	DEVIATION FACTOR	DEVIATION OF INTERVAL	CUMULATIVE APPARENT DEVIATION	REMARKS
		1/4	300	300	.00436	1.3	1.3	
1/4	.00436							
1/2	.00873	3/4	633	333	.01309	4.4	5.7	
1/4	.01309							
1	.01745	0	1218	585	0	0	5.7	
1 1/4	.02182							
1 1/2	.02618	1	1783	565	.01745	9.9	15.6	
1 1/4	.03054							
2	.03490	1-1/4	2343	560	.02182	12.2	27.8	
2 1/4	.03926							
2 1/2	.04362	1	2909	566	.01745	9.8	37.6	
2 1/4	.04798							
3	.05234	3/4	3340	431	.01309	5.6	43.2	
3 1/4	.05669							
3 1/2	.06105	1/2	3843	503	.00873	4.4	47.6	
3 1/4	.06540							
4	.06976	1/2	4368	525	.00873	4.6	52.2	
4 1/4	.07411							
4 1/2	.07846	1/2	5050	682	.00873	5.9	58.1	
4 1/4	.08281							
5	.08716	1/2	6038	988	.00873	8.6	66.7	
5 1/4	.09150							
5 1/2	.09585	1	6766	728	.01745	12.7	79.4	
5 1/4	.10019							
6	.10453	1	7550	784	.01745	13.7	93.1	
6 1/4	.10887							
6 1/2	.11320	0	7998	448	0	0	93.1	
6 1/4	.11754							
7	.12187		7900 to 13205	5305		34.4	127.5	Continuous Direct. Survey run from 13,205' to 7900'
7 1/4	.12620							
7 1/2	.13053							
7 3/4	.13485							
8	.13917							
8 1/4	.14349							
8 1/2	.14781							
8 3/4	.15212							
9	.15643							
9 1/4	.16074							
9 1/2	.16505							
9 3/4	.16935							
10	.17365							

Certified as Being True & Correct by R. C. Turnham Title Chief Petr. Engr. Date 1-13-76

NOTICE: NO ALLOWABLE WILL BE ASSIGNED UNTIL PROOF OF COMPLIANCE WITH SECTION XVIII, STATEWIDE ORDER NO. 29-B IS RECEIVED BY THE DEPARTMENT OF CONSERVATION. THREE (3) SIGNED COPIES OF THIS REPORT SHOULD BE SUBMITTED WITH FORM WH ON ALL WELLS, EXCEPT AS NOTED ON THE REVERSE SIDE.

SEE INSTRUCTIONS ON REVERSE SIDE

INSTRUCTIONS

This report shall be typewritten only and filed in triplicate as an attachment to the Well History and Work Resume Report (Form WH).

The tabulation, set apart in the blocked section on the left is for easy reference, and the three blank columns located between the double lines are for convenience in calculations. All blank columns should be completed so that all work may be easily checked.

In the first two columns record the Degrees Deviation and the Depth from Surface at which such deviation was recorded.

The Length of Interval for any particular Depth from Surface is obtained by subtracting the previous Depth from Surface from that particular point. The only exception being the first Length of Interval which is equal to its Depth from Surface.

The Deviation Factor may be obtained from the tabulation on the left. Multiply the Length of Interval by the respective Deviation Factor to obtain the Deviation of Interval.

Cumulative Apparent Deviation is a running summation of Deviation of Interval values and the final figure in the Cumulative Apparent Deviation Column should be equal to the sum of all the individual Deviation of Interval figures and will be the apparent resultant lateral deviation of the hole at Total Depth.

If a Directional Survey determining the bottom of the hole is filed with the Commissioner of Conservation upon completion of the well, it shall not be necessary to furnish the Inclination Survey data.

RECEIVED
9126
JAN 29 1976
BATCH PERMIT SECTION
DEPT. OF CONSERVATION

CONSERVATION DEPT.

JAN 15 1976

LAKE CHARLES

149779
WATSON OIL CORPORATION

P. O. BOX 4128
SHREVEPORT, LOUISIANA 71104

January 15, 1976

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

RE: Watson Oil Corporation
Dr. M. O. Miller No. 1
and "A" No. 1
Crab Lake Field
Cameron Parish, Louisiana

Gentlemen:

We respectfully request permission to complete the above wells using 3-1/2" tubing. The tubing was run for the following reasons:

- 1) The lower velocity of the gas through the 3-1/2" tubing should significantly reduce the erosion and corrosion in the tubing string. Formation tests of the reservoir indicated the gas to be fairly dry and, in most cases, this tends to create a very corrosive environment. We also plastic coated the tubing to aid in the prevention of corrosion.
- 2) This less friction through the larger tubing string should allow us to produce some additional gas from the reservoir.
- 3) The available 3-1/2" tubing was stronger than the available 2-7/8" tubing.

Both of the above wells are completed in the same reservoir and both are located on Dr. M. O. Miller leases.

Thank you for your assistance.

Very truly yours,

WATSON OIL CORPORATION

R. C. Turnham
R. C. Turnham
Chief Petroleum Engineer

RCT/jo

Your request to use 3 1/2" tubing in the Miller #1 and Miller A #1 is hereby approved
W^{HR} G. Wilkete

State of Louisiana
DEPARTMENT OF CONSERVATION
Inter Office

Date: 9/14/76

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

Enclosed herewith please find application from Watson Oil Corporation
_____ for permit to amend name
_____ their Rob I RA SUA; Miller #1, Crab Lake Field
Cameron _____ Parish, Louisiana. Zone Intermediate

Also enclosed please find:

Check No. _____ in the amount of \$ _____.

_____ 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. 865-A; 29-B.

Pending Hearing, Docket No. _____.

Remarks & Recommendations:

Recommend approval. Name changed to comply with the provisions of Order 865-A and nomenclature standards. This amendment is exempt from the fee.

Formerly: Dr. M. O. Miller #1

By W. C. Wilhite
District Manager
W. C. Wilhite

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

Change
 Correction
7609 Effective Date
yymm
End Date
yymm

149779

Serial No.

9-15-76

Date

CURRENT CODES

012

PARISH

Cameron

3000

FIELD

Crab Lake

6279

OPERATOR

Watson Oil Corporation

ADDRESS

P. O. Box 4128

CITY & STATE

Shreveport, La. 71104

FORMER CODES

AMENDMENT ACTION

- PARISH
- FIELD
- OPERATOR
- LSE-UN
- UN-LSE
- LSE-LSE
- UN-UN
- WELL NO.
- LOCATION

WELL NAME Rob I RA SUA; Miller A* No. 1 (Alt.)
 LOCATION OF WELL: Sec. 20 T 15S R 5W Former Well No. 1
Location Same
*Formerly: Dr. M. O. Miller A

Applicable Department of Conservation Order 865-A

Commissioner

Joseph I. Beckall
Issuing Authority

WELL FILE COPY

No. A-C

POTENTIAL REPORT

Type Well: Oil _____ Gas Distillate _____

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

Parish Cameron Field Crab Lake

Company Watson Oil Co. Serial No. 149779

Well Name & No. DR. M.O. MILLER A-1

Location: Sec. 20 Twp. N5 Rge. SW Flowing Pump _____

Prod. Horizon Reb #1 Perf. Int. 12423 to 12456
12452 to 12476

Casing Setting: Size 7" @ 12666

Tubing Setting: Size 3 1/2 @ 12251 T.D. 13207

Date Completed 9-25-76 Date Gauged 10-5-76

Acidize with _____ gals. Elev. of Derr. Floor 20.15

— TEST DATE —

T. P. 4750 C. P. 500 Choke Size Adj /64th

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

Opening TK Gge. 4 ft. 0 in. @ 10:30 AM Time

Diff. 1 ft. 1 1/2 in. 3 Hours (Time)

Tank No. 1 Tank Coef. 2.08

Bbls. per 3 Hrs. 28.08 Est. Bbls. per Day 225

Daily Gas Vol. 15000 M.C.F. G/O Ratio 6.667

B.S.&W. 1/10 % Corrected Gravity 45 @ 78 Deg. A.P.I.

Witnessed [Signature] Title _____

Gauged by [Signature] Title _____
Department of Conservation

District Office Lake CHARIE

Remarks: 880 @ 48

to x 3 1/4 O.P.

Std Chart 1500th @ 100*

05-75

POTENTIAL REPORT

Type Well: Oil _____ Gas X Distillate _____

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

Parish Cameron Field Crab Lake

Company Watson Oil Corp. Serial No. 149779

Well Name & No. Dr. M.O. Miller A-1

Location: Sec. 20 Twp. 155 Rge. SW Flowing X Pump _____

Prod. Horizon Rb-1 Perf. Int. 12422 to 12432

Casing Setting: Size 7" @ 12666

Tubing Setting: Size 2 7/8 @ 12250 T.D. 12560 P.B. 12560

Date Completed 10-25-77 Date Gauged 11-1-77

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

TEST DATE

T. P. 2440 C. P. 0 Choke Size Add. /64th

Closing TK Gge. 9 ft. 2 in. @ 11 AM Time

Opening TK Gge. 8 ft. 0 in. @ 11 AM Time

Diff. 1 ft. 2 in. 2.4 Hours (Time)

Tank No. 16263 Tank Coef. 1.08

Bbls. per 24 Hrs. 29.12 Est. Bbls. per Day 29

Daily Gas Vol. 3000 M.C.F. G/O Ratio 103448

B.S.&W. Trace % Corrected Gravity 44.6 Deg. A.P.I.

Witnessed Melvin Shering Title Asst. Prod. Mgr.

Gauged by Veg. Tatum Title Agent
Department of Conservation

District Office Lake Charles

Remarks: 1500" x 100" Reg. Chart
900" x 25" ditto, x 6" x 1 3/4

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>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

RECEIVED
NOV 1952

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

Remarks: _____

DEPT. OF CONSERVATION
PERMIT SECTION
BATON ROUGE, LA.

NOV - 3 1952

Form - Comp. OPERATOR

(Signed) OPERATOR REPRESENTATIVE

STATE OF LOUISIANA
OFFICE OF CONSERVATION

Inter Office

Date: 7/12/78

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 name on
their Dr. M O Miller A #1, Crab Lake Field
Cameron Parish, Louisiana. Zone onshore

Also enclosed please find:

Check No. 10336 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. This well has been recompleted out of the unit sand and returns to lease status.

FORMERLY: Rob 1 RA SUA; Miller A #1

By W. C. Wilhite
District Manager

W. C. WILHITE

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

LT-1

Change

7807 Effective
Symm

AMENDMENT ACTION

- 0.0.9. PARISH
- 0.3.4. FIELD
- 0.3.5. OPERATOR
- 0.1.6. UN-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

149779 Serial No. Date July 14, 1978

CURRENT CODES

012 PARISH Cameron
 3000 FIELD Grab Lake
 6279 OPERATOR Watson Oil Corporation
 ADDRESS 4801 Woodway Suite 480-W
 CITY & STATE Houston, Tx. 77056

FORMER CODES

149779 WELL NAME Dr M O Miller A* No. 1 604961

LOCATION OF WELL: Sec. 20 T 15S R 5W Former Well No.

Location Same *Formerly: Rob I RA SUA; Miller A

Applicable Department of Conservation Order 29B, 29E

R. J. Johnston
Commissioner

Joseph F. Kelly
Issuing Authority

WELL FILE COPY

No. 65265 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-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: _____

OPERATOR
(Signed) OPERATOR REPRESENTATIVE



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD
Crab Lake

SERIAL NO.
149779

PRODUCING INTERVAL
11,460-11,466'

RESERVOIR (COMPANY SAND IDENTIFICATION)
C. J. #1

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 checked="" type="checkbox"/> RECOMPLETION	<input type="checkbox"/> P B A	<input type="checkbox"/> 31 INACTIVE DRY HOLE FUT. UTIL.	<input type="checkbox"/> 32 INACTIVE DRY HOLE NO FUT. UTIL.	<input type="checkbox"/> 36 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	PRODUCT <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER	IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input checked="" type="checkbox"/> DIFFERENT RESERVOIR	DATE COMP. RECOMPL. OR P B A M D Y 9-5-78
-------------------------	-----------------------------------	--	--------------------------------	--	---	--	--	--	---	--

OPERATOR Watson Oil Corporation	CODE 6279	ADDRESS 4801 Woodway, Suite 480 West, Houston, TX 77056
---	---------------------	---

WELL NAME Dr. M. O. Miller "A"	WELL NO. 1
--	----------------------

PARISH Cameron	SEC. 20 TWP. 15S RGE. 5W	DATE PERMIT ISSUED 9-4-75
--------------------------	--------------------------	-------------------------------------

DATE SPUNDED M D Y 10-1-75	DATE READY TO PRODUCE* 1-9-76/9-5-78/WO	TOTAL DEPTH 13,207'	PBTD. 12,410'
---	---	-------------------------------	-------------------------

GROUND ELEVATION 1.5	CASING HEAD FLANGE ELEVATION 2.0	DISTANCE FROM RKB TO CHF 20.15
--------------------------------	--	--

DATE WELL TURNED INTO TANKS Recompleted 9-5-78	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? Yes	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? Yes	DATE FILED 1-13-76
--	--	--	------------------------------

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION) ISF/Sonic; FDC/CNL; Dipmeter; Thermal Neutron	DATE FILED 1-13-76
--	------------------------------

CASING, LINER AND TUBING RECORD

S	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	16"	Driven			137					
102	10-3/4"	15"	40.5	2,950	2600	2400	1/2	10-25-75		
103	7"	9-7/8"	26&29	12,666	1925	5000	1/2	12-27-75		
104										
105										
TUBING SIZE: 2-7/8"		DEPTH OF TUBING: 11,360'		DEPTH OF PACKER(S): 11,212'						

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION 132.45 BOPD	GAS VOLUME 86 MCF/DAY	GOR 648 CF/BBL	CHOKE SIZE 10 /64"	PRODUCING METHOD Flowing
FLOWING TUBING PRESSURE 800 psig	SHUT-IN TUBING PRESSURE 525 psig	CASING PRESSURE ---	WATER PRODUCTION 20 BPD	BS&W 15 %
GRAVITY 39.6 API @ 60° F	BHP (SHUT-IN) 5344 Calc. psig	COMPANY REPRESENTATIVE Melvin Theriot	DATE GAUGED 9-5-78	

PLUG AND ABANDON (P B 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 Watson 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: *Melvin Theriot* Title: Sr. 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.

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
727-78	8-10-78	Go Wireline	Set Otis pkr. @ 11,858' - perf. 11,957-965'.
	8-15-78	Western	Set pkr. @ 11,800' pumped 1000 gals. acid.
	8-22-78	Go Wireline	Set CIBP @ 11,900' - set squeeze tool @ 11,404', perf. for squeeze 11,457-459' & 11,471-473'.
	8-26-78	Western & Go Wireline	Set squeeze tool @ 11,186', perf. 11,262-264' & 11,280-282'.
	9-01-78	Go Wireline	Drilled & CO to 11,400'. Set Guiberson Type "B" BP @ 11,350'. Set Otis pkr. @ 11,212'.
	9-06-78	Go Wireline	WIH w/sinker bar to 11,500', perf. <u>11,460-466'</u> .

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

FORMATION	DEPTH	FORMATION	DEPTH
	JUN 9 '78 DEPT. OF CONSERVATION PERMIT SECTION LAKE CHARLES, LA.	CONSERVATION DEPT. NOV 3 1978 LAKE CHARLES	

OCT 30 1978

LAKE CHARLES

1492

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 Watson Oil Corp. Code 6279 11 3 - Correction
Sec. 20 TWP. 15^S RGE. 5^W Test Date 9, 14, 78
12 Mo. Day Yr.

TYPE OF WELL TYPE OF TEST PRODUCING METHOD
 1 1-OIL *Formerly Gw* 2 1-COMPLETION F-FLOWING
 2 2-GAS 3 2-RECOMPLETION P-PUMPING
18 19 3-RETEST 20 G-GASLIFT

WELL SERIAL NO.	WELL NAME	WELL NO.	NAME OF RESERVOIR
<u>149779</u>	<u>Dr. M. G. Miller A</u>	<u>1</u>	<u>C.J. #1</u>

TOTAL DEPTH	PERFORATED INTERVAL FROM	PERFORATED INTERVAL TO	CHOKE /64"	OIL BBL/DAY	COND. BBL/DAY	GAS MCF/DAY	GAS/OIL RATIO CF/BBL
<u>12560</u>	<u>11460</u>	<u>11466</u>	<u>10</u>	<u>13245</u>	<u>-</u>	<u>86</u>	<u>648/1</u>

API GRAV. @ 60° F.	WATER BBL/DAY	BS&W %	FLOWING PRES. (PSIG)	CASING PRES. (PSIG)	DATE OF COMPLETION		
<u>39.6</u>	<u>24</u>	<u>15</u>	<u>800</u>	<u>0</u>	<u>9</u>	<u>5</u>	<u>78</u>

CLOSE TANK / METER GAUGE 16' 6" @ 9 AM TIME
OPEN TANK / METER GAUGE 11' 2" @ 9 AM TIME
DIFFERENCE 5' 4" in 24 HOURS
TANK / METER NO. 16263 TANK COEF. 2.08

STATIC PRES. _____ DIFFERENTIAL PRES. _____ LINE SIZE _____
PLATE SIZE _____ COEFFICIENT _____ METER SPRING & DIFF. RANGE _____
REMARKS 11" H₂O on 2x 1 1/4" O.P. size well
Tester = 85.9 MCF

WITNESSED BY [Signature] GAUGED BY [Signature]
TITLE Oil & Gas Ins. TITLE Asst. Pres. Foreman

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>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

RECEIVED
NOV 17 1978
DEPT. OF CONSERVATION
PERMIT SECTION, LA.
BATON ROUGE, LA.

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

Remarks: _____

OPERATOR
Form - Comp.

NOV 15 1978
(Signed) OPERATOR REPRESENTATIVE



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD

Crab Lake

SERIAL NO.
149779

PRODUCING INTERVAL
11,268-11,274'

RESERVOIR (COMPANY SAND IDENTIFICATION)
C I 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

- NEW WELL
 RECOMPLETION
 P & A

- 31 INACTIVE DRY HOLE FUT. UTIL.
 32 INACTIVE DRY HOLE NO FUT. UTIL.
 36 INACTIVE WAITING ON PIPELINE
 37 INACTIVE WAITING ON MARKET

PRODUCT

- OIL
 GAS
 OTHER

IF RECOMPLETION

- SAME RESERVOIR
 DIFFERENT RESERVOIR

DATE COMP. RECOMPL.
OR P & A
M D Y
10-31-78

OPERATOR
Watson Oil Corporation

CODE
6279

ADDRESS
4801 Woodway, Suite 480 W, Houston, TX 77056

WELL NAME
Dr. M. O. Miller "A"

WELL NO.
1

PARISH
Cameron

SEC. 20 TWP. 15S RGE. 5W

DATE PERMIT ISSUED
9-4-75

DATE SPUNDED
M D Y
10-1-75

DATE READY TO PRODUCE*
1-9-76/10-31-78 WO

TOTAL DEPTH
13,207'

PBTD.
11,300'

GROUND ELEVATION
1.5

CASING HEAD FLANGE ELEVATION
2.0

DISTANCE FROM RKB TO CHF
20.15

DATE WELL TURNED INTO TANKS
Recompleted 10-31-78

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? Yes

WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? Yes

DATE FILED
1-13-76

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)
ISF/Sonic; FDC/CNL; Dipmeter; Thermal Neutron

DATE FILED
1-13-76

CASING, LINER AND TUBING RECORD

S	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	16"	Driven			137					
102	10-3/4"	15"	40.5		2,950	2600	2400	1/2	10-25-75	
103	7"	9-7/8"	26&29		12,666	1925	5000	1/2	12-27-75	
104										
105										
TUBING SIZE: 2-7/8"		DEPTH OF TUBING: 11,212		DEPTH OF PACKER(S): 11,212						

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION 38 BOPD	GAS VOLUME 1,300 MCF/DAY	GOR 34210 CF/BBL	CHOKE SIZE 10 /64"	PRODUCING METHOD Flowing
FLOWING TUBING PRESSURE 2200 psig	SHUT-IN TUBING PRESSURE 3450 psig	CASING PRESSURE 200	WATER PRODUCTION --- BPD	BS&W .1 %
GRAVITY 50.1 °API @ 60° F	BHP (SHUT-IN) 5255 Calc. psig	COMPANY REPRESENTATIVE Melvin Theriot	DATE GAUGED 11-10-78	

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 Watson 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: Anthony N. Palmieri Title: Sr. Petroleum Engr.

*Data 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
1055-78	10-28-78	Go Int'1	Set CIBP @ 11,300', tested plug to 1500'. Set Baker Model R pkr @ 11,212'.
	10-31-78	Go Int'1	Perf. 11,268-11,274' w/4SPF.

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

FORMATION	DEPTH	FORMATION	DEPTH
<p style="text-align: center;">JAN 9 1978 DEPT. OF CONSERVATION ENTRCH 102-244-1A</p>		<p style="text-align: center;">CONSERVATION DEPT. NOV 15 1978 LAW. CHARLES</p>	

149719
 wo ~~Assessment~~
 Photo 260 Ac
 La Interstate shown
 1300 1973
 JH 11/14

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 Watson Oil Corp. Code 6279 II 3 - Correction
 Sec. 20 TWP. 15^E RGE. 5^W Test Date 11, 10, 78
 12 Mo. Day Yr.

TYPE OF WELL TYPE OF TEST PRODUCING METHOD

1-OIL
 18 2-GAS

1- COMPLETION
 19 2- RECOMPLETION
 3- RETEST

F
 20 F- FLOWING
 P- PUMPING
 G- GASLIFT

WELL SERIAL NO.	WELL NAME	WELL NO.	NAME OF RESERVOIR
149779	Demo Miller "A"	1	C-I. Sand

TOTAL DEPTH	PERFORATED INTERVAL FROM	PERFORATED INTERVAL TO	CHOKE /64"	OIL BBLs/DAY	COND. BBLs/DAY	GAS MCF/DAY	GAS/OIL RATIO CF/BBL
12560	11268	11274	10	-	38	1,300	34210/1

API GRAV. @ 60° F.	WATER BBLs/DAY	BS&W %	FLOWING PRES. (PSIG)	CASING PRES. (PSIG)	DATE OF COMPLETION		
					MO.	DAY	YR.
50.1	0	.1	2200	200	10	31	78

CLOSE TANK / METER GAUGE 11' 7" @ 8 AM TIME
 OPEN TANK / METER GAUGE 10' 0 3/4" @ 8 AM TIME
 DIFFERENCE 1' 6 1/4" in 24 HOURS
 TANK / METER NO. 16264 TANK COEF. 2.08

STATIC PRES. 900 # DIFFERENTIAL PRES. 48" LINE SIZE 6"
 PLATE SIZE 1" COEFFICIENT 1500 # METER SPRING & DIFF. RANGE 100 #
 REMARKS _____

WITNESSED BY [Signature] GAUGED BY [Signature]
 TITLE Oil & Gas Div. Dir. TITLE Prod. Section Foreman

[Faint handwritten notes and signatures at the top of the page]

[Faint handwritten notes and signatures in the middle section]

RECEIVED

DEC 5 1978

DEPT. OF CONSERVATION
PERMIT SECTION
LATCH ROUGE, LA.

CONSERVATION DEPT.

NOV 13 1978

LAKE CHARLES

12,450'

(Cherryville)
20278'

15,027'

L/86-8
1-25-80
66.67% W/180 ac

Hilliard
20611
11,932'

Forrest
S.L.
11,350'

Imperial Am. Mgt.
128,262 Ac. Unit
Miller No. 2

L/86-1
2-1-78
100% W/440 ac.
75% NRI-BPO
72% NRI-AP0

Shenandoah
12,400'
WOC
Miller 4
WSE Cor.
W400'
W2200'

WOC VOL. UT.
227,567 Ac.
Miller Lic. 4

Dyco

12,018'

ROB I RA SU A
159,492 acs.

L/86-6
10-31-78
100% W/160 acs.
67% NRI

L/86-4

Agmts. 10-7-77 &
12-15-77)
Edna K. Miller, et al.

L/86-4
L/86-4

12,975' 6
Dr. M. Miller
WOC
Miller A

Forest
13,915' 5
12,007' 12
13,207' 13
12,685' 14
14,600' 15

Shenandoah
WOC
Dr. Miller
WOC

14,025' 3
14,600' 2

13,200' SU
89.05 acs.

L/86-4
12,858' 2

12,617' 13
13,337' 14

HBP
Rt. above 13,307'

Forest L/86-2
10-3-77
100% W/In
200 acs.
68.5% NRI

L/86-4
3-19-78
100% W/960 ac
67% NRI

L/86-7 12,750'
HBP
100% W/1-BPO
50% W/1-AP0
62% NRI

L/86-5
7-21-78
100% W/40 ac.
67% NRI

CRAB

LAKE

2607 Ae

WATSON OIL CORPORATION
CRAB LAKE
CAMERON PARISH, LOUISIANA
ACREAGE ALLOCATION PLAT
WOC - MILLER A #1
All Sands Not Harvested

29-E COMPLIANCE YES NO
 29-E UNIT ATTACHED YES NO

 D.O.C. USE ONLY

STATE OF LOUISIANA
 OFFICE OF CONSERVATION

WELL COMPLETION OR RECOMPLETION REPORT

DISTRICT Lake Charles

CODE NUMBERS: DATE 4-14-80

12 PARISH Cameron

3000 FIELD Crab Lake

6279 OPERATOR Watson Oil Corporation

604961 WELL NAME Dr. M. O. Miller "A" NO. 1 SERIAL NO. 149779

RESERVOIR 9900 Sand

SEC. 20 T 15S R 5W

DOC ORDER NO. _____

COMPLETION DATE 3-5-80 TIME AM PM

IMPORTANT: IS A FORM MD-10-R-A BEING FILED WITH THIS REPORT? IF NO, EXPLAIN YES NO

REMARKS: _____

COMPLETION DATA:

* TYPE COMPLETION PRIMARY PRODUCT PRIMARY PRODUCT CHANGE? PRODUCING METHOD STATUS OF WELL

1 - ORIG. COMP. 1 - OIL 1 - YES F - FLOWING 1 0 SEE REVERSE SIDE FOR CODE

2 - RE-COMP. 2 - GAS 2 - NO GL - GAS LIFT 0

3 - DRY GAS P - PUMPING

* IF THIS IS A RE-COMPLETION SPECIFY: SAME RESERVOIR DIFFERENT RESERVOIR

21 BOPD 1,100 MCF/DAY 2200 PSIG --- PSIG 100 PSIG

INITIAL PROD. GAS VOLUME FLOWING TUBING PRESSURE SHUT-IN TUBING PRESSURE CASING PRESSURE

12 / 64" 1 - POSITIVE --- BPD 1/10 % 52380 CF/BBL 49.5 API AT 60°F

CHOKE SIZE WATER PROD. BS & W GOR GRAVITY

PERFORATIONS 9884' - 9904' & 9906' - 9910' TOTAL DEPTH 12,560

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).

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).)

CERTIFICATION

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Jane Ashcraft SIGNATURE

Watson Oil Corporation OPERATOR

Production Assistant TITLE

OFFICE 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>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
TOTAL _____			BARRELS

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

Remarks: _____

OPERATOR

(Signed) OPERATOR REPRESENTATIVE

CODES TO USE IN REPORTING STATUS OF WELL

- 10 Active
- 33 Inactive-Future Utility (does not include waiting on pipeline or market)
- 36 Inactive waiting on pipeline
- 37 Inactive waiting on market

RECEIVED

MAY 30 1981

DEPT. OF CONSERVATION
PERMIT SECTION
BATON ROUGE LA

now letter for report

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 WATSON OIL CO - Code 6279 3 - Correction
Sec. 20 TWP. 15S RGE. 5W Test Date 3 / 24 / 80
12 Mo. Day Yr.

TYPE OF WELL TYPE OF TEST PRODUCING METHOD
 1-OIL 3 1-COMPLETION F-FLOWING
 2-GAS 19 2-RECOMPLETION 20 P-PUMPING
18 3-RETEST 20 G-GASLIFT

WELL SERIAL NO.	WELL NAME	WELL NO.	NAME OF RESERVOIR
149719	DR. M.O. MILLER "A"	1	9900 SAND

TOTAL DEPTH	PERFORATED INTERVAL FROM	PERFORATED INTERVAL TO	CHOKE /64"	OIL BBL/DAY	COND. BBL/DAY	GAS MCF/DAY	GAS/OIL RATIO CF/BBL
12560	9884 9906	9904 9910	12		21	1,100	52380/1

API GRAV. @60°F.	WATER BBL/DAY	BS&W %	FLOWING PRES. (PSIG)	CASING PRES. (PSIG)	DATE OF COMPLETION		
					MO.	DAY	YR.
49.5	-	1/10	2200	100	3	5	80

CLOSE TANK / METER GAUGE 18 - 10'14 @ 9:00 AM TIME
OPEN TANK / METER GAUGE 18 - 0 @ 9:00 AM TIME
DIFFERENCE 10'14 in 24 HOURS
TANK / METER NO. 16264 TANK COEF. 2.07

STATIC PRES. 9910 DIFFERENTIAL PRES. 96 LINE SIZE 2"
PLATE SIZE 750 COEFFICIENT 1500 METER SPRING & DIFF. RANGE 100

REMARKS _____

WITNESSED BY [Signature] GAUGED BY [Signature]
TITLE _____ TITLE _____

2315AM 2 27 42

2315AM 2 27 42

11030/1090

11030/1090

182 281 05

PTSD

PF 125 2

5

7

5

4

11030/1090 1 " " 11030/1090 11030/1090

15 200 045 0370 15 51 1100 2315AM

Ad. 2 - 110 5500 100 2 80

011110

8:00 AM

8:00 AM

12:51

5:00

10:10 - 10:11

10:10 - 10:11

10:11

12:51

12:51

12:51

12:51

12:51

MAY 26 8:53

RECEIVED
MAY 30 1980
WELL FILES

[Handwritten signatures and notes]

Change

149779 Serial No. LC Date 8-27-81

CURRENT CODES

FORMER CODES

012 PARISH Cameron
3000 FIELD Crab Lake
3637 OPERATOR MCOR Oil Development, INC. *
ADDRESS 4801 Woodway, Ste 480W
CITY & STATE Houston, TX 77056

6279

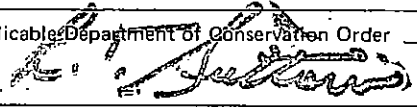
8107 Effective
yymm

149779 WELL NAME Dr. M O Miller A No. 1

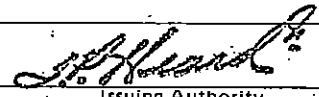
LOCATION OF WELL: Sec. 20 T 15S R 5W Former Well No. _____

Location same * Watson Oil Corporation

Applicable Department of Conservation Order _____



Commissioner



Issuing Authority

kcd

WELL FILE COPY

No. 73101 A

AMENDMENT ACTION

- 0.0.9.1 PARISH
- 0.3.4.2 FIELD
- 0.3.5.3 OPERATOR
- 0.1.6.4 LSE-UN
- 0.1.6.5 UN-LSE
- 0.1.6.6 LSE-LSE
- 0.1.6.7 UN-UN
- 0.1.4.8 WELL NO.
- 0.1.1.9 LOCATION

STATE OF LOUISIANA
OFFICE OF CONSERVATION

Inter Office

Date: 11/2/81

To: Baton Rouge Office
From: Lake Charles District
Attn: T. P. Heard

SN 147552
not amended
not P&A
11-17-81
1-18-82

Enclosed herewith please find application from MCOR Oil Development, Inc.

_____ for permit to amend name on
their 9900 RA SUA; Miller A #1, Crab Lake Field
Cameron Parish, Louisiana. Zone onshore

Also enclosed please find:

Check No. _____ in the amount of \$ _____.

_____ 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. 865-B; 29-B.

Pending Hearing, Docket No. _____.

Remarks & Recommendations:

Recommend approval. Name changed to comply with the provisions of order 865-B and nomenclature standards. This amendment is exempt from the fee.

FORMERLY: Dr. M. O. Miller A #1

By W. C. Wilhite
District Manager

W. C. WILHITE

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

LT-1

- 1, Change
- 2, Correction
- 8109 Effective Date
yymm
- 9999 End Date
yymm

149779 Serial No. LC Date 11-3-81

CURRENT CODES

012 PARISH Cameron

3000 FIELD Crab Lake

3637 OPERATOR MCOR Off Development Inc.

ADDRESS 4801 Woodway, Ste 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

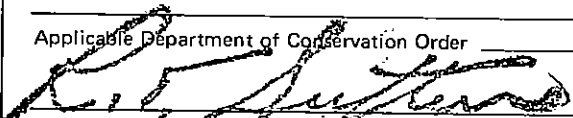
606975 WELL NAME 9900 RA SUA; Miller A * No. 1 149779

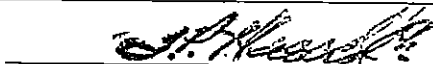
LOCATION OF WELL: Sec. 20 T 15S R 5W Former Well No. _____

Location Same. *Formerly: Dr M O Miller A

Applicable Department of Conservation Order

865-B


Commissioner


Issuing Authority

WELL FILE COPY

No. A-C

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. 9900- RA SUA; Miller A-1 Sec. 20 T. 15S R. 5W
Field Crab Lake (3000) Parish Cameron (012)
Permit Serial No. 149779 Work Permit No. 867-83

Description of Work Plug & Abandon. Set 100' cmt. plug at 9910'-9810'.
Set 100' cmt. plug at 3000'-2900'. Cut 16" & 10 3/4" csg. 3 ft.
below ground level and place 10' cmt. plug in top of 10 3/4" csg.

Sand & Reservoir To Be Tested TD 12,560'

Operator MCOR Oil Development, Inc. (3637)
Address 5718 Westheimer, 11th Floor
City, State & Zip Houston, Texas 77057

Permit Requested By Jane Ashcraft Date 9-20-83

Authorized By W. M. Whit District L.C. Date 9-26-83

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PLUG AND ABANDON REPORT

DATE WORK DONE November 9, 1983

WELL SERIAL NO. 149779

WORK PERMIT NO. 867-83

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 Cameron Sec. 20 Twp. 15S Rge. 5W

Operator MCOR Oil Development, Inc. Well Name 9900' RA SUA; Miller Well No. A-1

Total Depth 13,207' Condition of Well Depleted

- | | | | |
|----------------------|---------------------|----------------------|-----------------------------|
| 1. Surface Casing | Size <u>16"</u> | Depth <u>137'</u> | Amount Pulled <u>0</u> |
| 2. Protection Casing | Size <u>10 3/4"</u> | Depth <u>2,950'</u> | Amount Pulled <u>0</u> |
| 3. Production Casing | Size <u>7"</u> | Depth <u>12,666'</u> | Amount Pulled <u>2,900'</u> |

CEMENT PLUGS

- | | | | |
|------------------------|------------------|------------------------|--------------------------|
| 1. Depth <u>9,900'</u> | To <u>9,700'</u> | No. of Sacks <u>40</u> | How Placed <u>Pumped</u> |
| 2. Depth <u>3,000'</u> | To <u>2,800'</u> | No. of Sacks <u>75</u> | How Placed <u>Pumped</u> |
| 3. Depth <u>100'</u> | To <u>6'</u> | No. of Sacks <u>75</u> | How Placed <u>Pumped</u> |

Mud Record: Weight 10.0 Viscosity 56

Remarks: _____

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

WITNESS

MCOR Oil Development, Inc.

OPERATOR

(Signed)

Jane Ashcraft

REPRESENTATIVE

Jane Ashcraft



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD
Crab Lake

SERIAL NO.
149779

PRODUCING INTERVAL
9,884' - 9,910'

RESERVOIR (COMPANY SAND IDENTIFICATION)
9900' RA SUA

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

NEW WELL

RECOMPLETION

P & A

31 INACTIVE DRY HOLE FUT. UTIL.

32 INACTIVE DRY HOLE NO FUT. UTIL.

36 INACTIVE WAITING ON PIPELINE

37 INACTIVE WAITING ON MARKET

PRODUCT

OIL

GAS

OTHER

IF RECOMPLETION

SAME RESERVOIR

DIFFERENT RESERVOIR

DATE COMP., RECOMP. OR P & A M D Y
11-9-83

OPERATOR
MCOR Oil Development, Inc.

CODE
3637

ADDRESS
**5718 Westheimer
Houston, Texas 77057**

WELL NAME
9900' RA SUA; Miller

WELL NO.
A-1

PARISH
Cameron

SEC. **20** TWP. **15S** RGE. **5W**

DATE PERMIT ISSUED
9-4-75

DATE SPUNDED M D Y
10-1-75

DATE READY TO PRODUCE*
1-9-76

TOTAL DEPTH
13,207

PBTD.
11,050'

GROUND ELEVATION
1.5

CASING HEAD FLANGE ELEVATION
2.0

DISTANCE FROM RKB TO CHF
20.5

DATE WELL TURNED INTO TANKS
3-5-80 (Recompletion)

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?
Yes

WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?
Yes

DATE FILED
1-13-76

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)
ISF/Sonic; FDC/CNL; Dipmeter; Thermal Neutron

DATE FILED
1-13-76

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					
10 1/2									
10 3/4									
SAME AS PREVIOUS WELL HISTORY									
8									
6									

TUBING SIZE: _____ DEPTH OF TUBING: _____ DEPTH OF PACKER(S): _____

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION

BOPD

GAS VOLUME MCF/DAY

GOR CF/BBL

CHOKE SIZE /64"

PRODUCING METHOD

FLOWING TUBING PRESSURE psig

SHUT-IN TUBING PRESSURE psig

CASING PRESSURE

WATER PRODUCTION BPD

BS&W %

GRAVITY °API @ 60° F

BHP (SHUT-IN) psig

COMPANY REPRESENTATIVE

DATE GAUGED

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		
16"	0	100'	6'	75	Pumped	11-9-83	
10 3/4"	0	3,000'	2,800'	75	Pumped	11-9-83	
7"	2,900'	9,900'	9,700'	40	Pumped	11-9-83	

CERTIFICATE: I, the undersigned, state: That I am employed by MCOR Oil Development and 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
867-83	11-8-83 thru 11-9-83	P&A Well Service	Set cement plug at 9900'-9700' with 40 sacks cement. Set cement plug at 3000'-2800' with 75 sacks cement. Set cement plug at 100'-6' with 75 sacks cement. Welded 1/2" steel plate on 10 3/4" casing and cut 6' below ground level. P&A 11-9-83.

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

FORMATION	DEPTH	FORMATION	DEPTH
		<p>RECEIVED DEC 27 1983 DEPT. OF CONSERVATION WELL FILES BATON ROUGE, LA.</p>	