



DEPARTMENT OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT

FIELD  
Crab Lake

SERIAL NO.  
150765

PRODUCING INTERVAL  
12,499 - 12,507

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

WELL NO.  
3

FARISH  
Cameron

SEC. 21 TWP. 15S RGE. 5W

DATE PERMIT ISSUED  
12-12-75

DATE SPUDDED 12-21-75 DATE READY TO PRODUCE 3-24-76

TOTAL DEPTH 14,025'

PBTD. 12,650'

GROUND ELEVATION 1.5

CASING HEAD FLANGE ELEVATION 2.0

DISTANCE FROM RKB TO CHF 20.2

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? Totco's

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION? Form AD

DATE FILED 3-30-76

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION) GR-ISF-Sonic, Dipmeter, CBL, FDC/CNL

DATE FILED 3-30-76

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		156'					
10-3/4"	15"	40.5	2950'	2500	1500	1/2	12-26-75	
7"	9-7/8"	26&29	12,744'	990	1500	1/2	1-29-76	

TUBING SIZE: 2-3/8 DEPTH OF TUBING: 12,290 DEPTH OF PACKER(S): 12,290'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION 31.0 BOPD GAS VOLUME 2076 MCF/DAY CHOKER SIZE 11/64 WELL STATUS Flowing

TUBING PRESSURE 3221 psig CASING PRESSURE pkr psig COR 66,968:1 BS & W 0 ~~XXX~~ (SHUT-IN) 5075 psi

GRAVITY 42.3 \*API 50°F CONSERVATION AGENT MAKING GAUGE COMPANY REPRESENTATIVE Patton DATE GAUGED 3-25-76

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. Humphrey Title: Chief 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 Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
	2-4-76 to 2-8-76	Glasscock	Deepen to 14,000'
	2-11-76	Halliburton	Plugback to 12,700'
	3-24-76	Go Inter.	Perforate

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

FORMATION	DEPTH	FORMATION	DEPTH

CONSERVATION DEPT.

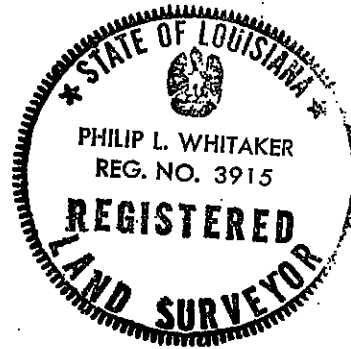
MAR 30 1976

LAME CHARLES

150765

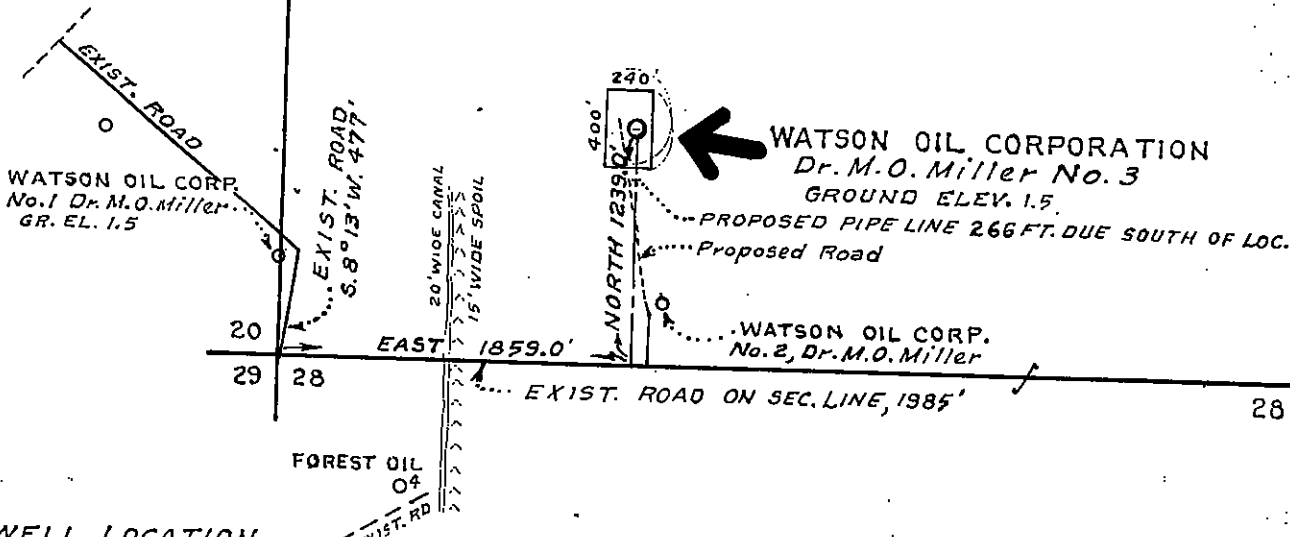
17 16  
20

16 15  
22



21.

M. O. Miller



WELL LOCATION.  
WATSON OIL CORPORATION  
Dr. M.O. Miller No. 3

From the Southwest Corner of Section  
21, T. 15 S., R. 5 W., go East 1859.0 feet,  
thence North 1239.0 feet to the Location.  
Ground Elev. 1.5

We hereby certify that we staked the  
above Well Location as shown November  
17, 1975. F. Shutts' Sons - Civil Engineers

WATSON OIL CORP.  
WELL LOCATION  
SECTION 21  
T. 15 S., R. 5 W.  
CAMERON PARISH, LA.

SCALE: 1" = 1000' NOVEMBER 17, 1975

F. Shutts' Sons  
Civil Engineers  
Lake Charles, La.

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

State of Louisiana  
DEPARTMENT OF CONSERVATION

Inter Office

Date: 12/10/75

To: Baton Rouge Office

From: Lake Charles District

Attn: ~~XXXXXXXXXX~~ Joseph F. DeWall

Enclosed herewith please find application from Watson Oil Corporation  
for permit to drill  
their Dr. M. O. Miller #3, Crab Lake Field  
Cameron Parish, Louisiana. Zone intermediate

Also enclosed please find:

Check No. 0681 in the amount of \$100.00

xxx Well location plat

xxx Well location certification

*29 E letter*

- \_\_\_\_\_ 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. \_\_\_\_\_

Pending Hearing, Docket No. \_\_\_\_\_

Remarks & Recommendations:

Recommend approval of conditional permit specifying compliance with Order 29-E.

By *W. C. Wilhite*  
District Manager  
W. C. WILHITE

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

LT-1

PERMIT TO DRILL FOR MINERALS

PERMIT .....\$100.00  
Multiple Zone Processing

ATTN  
Send To LAKE CHARLES/12 Date DECEMBER 12, 1975  
Serial No. Ser. #150765 API #1702320984  
Parish CAMERON Field CRAB LAKE  
Operator WATSON OIL CORPORATION  
Address P.O. BOX 4128  
City & State SHREVEPORT, LOUISIANA 71104  
Well Name DR. M. O. MILLER NO. 3  
Location SEC 21, T15S, R5W  
1239' FWL & 1859' FWL OF SEC. 21-T15S-R5W.

Zone or Reservoir of Proposed Completion P. T. D. 13,500'  
Applicable Department of Conservation Order ROBULUS

*[Signature]*  
COMMISSIONER

*[Signature]*  
ISSUING AUTHORITY

4

State of Louisiana



R. T. SUTTON  
COMMISSIONER

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

December 15, 1975

RE: **Cameron Parish  
Crab Lake Field  
Dr. M. O. Miller Well #3  
Serial #150765**

**Watson Oil Corporation  
P.O. Box 4128  
Shreveport, Louisiana 71104**

Gentlemen:

We are issuing Permit to Drill for the above referenced well with the understanding that completion cannot be in any pool in which the location does not conform with the provisions of Statewide Order No. 29-E.

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 \_\_\_\_\_

J. W. Hecker  
Chief Engineer

cc: **H. E. Walker**  
District Manager  
**Lake Charles**

**JRA/djp**

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

WELL COMPLETION OR RECOMPLETION REPORT

Lake Charles DISTRICT

Re: Well Serial No.: 150765

Completed	<input checked="" type="checkbox"/>	Flowing	<input checked="" type="checkbox"/>	Operator:	<u>Watson Oil Corporation</u>
Recompleted	<input 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>3</u> , Sec. <u>21</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 March 24, 1976 at 10:00 (a.m.) (~~PM~~)

COMPLETION DATA

Initial Production 31.0 BOPD Gas Volume 2076 MCF/Day

Tubing Pressure 3221 psig Casing Pressure 0 psig

Choke Size 11/64" Positive      Adjustable X B.S.&W. 0 %

Gas/Oil Ratio 66,968 CF/Bbl. Gravity 42.3 at 60° A. P. I.

Producing Depth: From 12,499 Ft. to 12,507 Ft. T. D. 14,025 Ft.

Name of Producing Sand: Robulus

\*New Pool ~~XXXXXX~~ List Reason(s) for Pool Classification First well to be completed in this zone in this fault block

\*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: \_\_\_\_\_

Watson Oil Corporation  
COMPANY

R. C. Turnham R. C. Turnham  
COMPANY REPRESENTATIVE

Chief Petroleum Engineer  
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: \_\_\_\_\_

DEPT. OF CONSERVATION  
STATE OF LOUISIANA  
CONSERVATION DEPT.

From - Comp. \_\_\_\_\_  
COMPANY

**MAR 30 1976**  
(Signed) \_\_\_\_\_  
COMPANY REPRESENTATIVE  
L. H. CHARLES

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATION

FORM A D

REPORT OF PROOF OF APPARENT DEVIATION

SERIAL NO. 150765

OPERATOR Watson Oil Corporation DISTRICT Lake Charles

FIELD Crab Lake PARISH Cameron

WELL NAME & NO. Dr. M. O. Miller No. 3 SEC. 21 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
		1/2	740	740	.00873	6.5	6.5	
1/4	.00436							
1/2	.00873							
3/4	.01309	1/2	1500	760	.00873	6.6	13.1	
1	.01745							
		1	2450	950	.01745	16.6	29.7	
1 1/4	.02182							
1 1/2	.02618							
1 3/4	.03054	1/2	3108	658	.00873	5.7	35.4	
2	.03490							
		3/4	4103	995	.01309	13.0	48.4	
2 1/4	.03926							
2 1/2	.04362							
2 3/4	.04798	1/2	4667	564	.00873	4.9	53.3	
3	.05234							
		1/2	5295	628	.00873	5.5	58.8	
3 1/4	.05669							
3 1/2	.06105							
3 3/4	.06540	1/2	6275	980	.00873	8.5	67.3	
4	.06976							
		1	7066	791	.01745	13.8	81.1	
4 1/4	.07411							
4 1/2	.07846							
4 3/4	.08281	1	7905	839	.01745	14.6	95.7	
5	.08716							
		1/2	8412	507	.00873	4.4	100.1	
5 1/4	.09150							
5 1/2	.09585							
5 3/4	.10019	0	9112	700	0	0	100.1	
6	.10453							
		1/4	10019	907	.00436	3.9	104.0	
6 1/4	.10887							
6 1/2	.11320							
6 3/4	.11754	1	10903	884	.01745	15.4	119.4	
7	.12187							
		1	11734	831	.01745	14.5	133.9	
7 1/4	.12620							
7 1/2	.13053							
7 3/4	.13485	1	12538	804	.01745	14.0	147.9	
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 3-30-76

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

I N S T R U C T I O N S

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.

DEPT. OF CONSERVATION  
FRESH WATER DIVISION  
FRESH WATER DIVISION  
MAR 30 1976  
CONSERVATION DEPT.

MAR 30 1976

L. W. CHARLES

R. T. SUTTON  
COMMISSIONER



DEPARTMENT OF CONSERVATION  
GEOLOGICAL OIL & GAS DIVISION  
P. O. BOX 44006 - CAPITOL STATION  
BATON ROUGE, LA 70804

April 14, 1977

*W.C.W.*

Mr. W. C. Wilhite  
District Manager  
Department of Conservation  
P.O. Box 1767  
Lake Charles, LA 70604

Re: Watson Oil Corporation  
Convert Dr. M.O. Miller  
#3 Well (150765) SWD  
Sec. 21-15S-5W  
Crab Lake Field

Dear Mr. Wilhite:

Approval is granted for the above application to convert subject well to a SWD well.

Reference is made to Paragraph 10 of the Amendment to Statewide Order No. 29-B, dated October 19, 1967, which states "A reasonable estimate of the amount of salt water injected annually into each disposal well shall be reported to the Geological Oil & Gas Division, P.O. Box 44006-Capitol Station, Baton Rouge, La., 70804, with a copy to the appropriate District Manager, such report to be filed during the first quarter of next calendar year." We would like to have this report filed as soon as possible in 1978.

Yours very truly,

GEOLOGICAL OIL & GAS DIVISION

By *Robert D. Bates*  
Robert D. Bates  
Chief Conservation Geologist

RDB:CT:bf  
cc: Watson Oil Corporation  
Mr. Jackie DeVall

State of Louisiana



*File*  
*150765*

R. T. SUTTON  
COMMISSIONER

DEPARTMENT OF CONSERVATION  
GEOLOGICAL OIL & GAS DIVISION  
P. O. BOX 44006 - CAPITOL STATION  
BATON ROUGE, LA 70804

*150765*

April 14, 1977

*W.C.W.*

Mr. W. C. Wilhite  
District Manager  
Department of Conservation  
P.O. Box 1767  
Lake Charles, LA 70604

Re: Watson Oil Corporation  
Convert Dr. M.O. Miller  
#3 Well (150765) SWD  
Sec. 21-15S-5W  
Crab Lake Field

Dear Mr. Wilhite:

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Yours very truly,

GEOLOGICAL OIL & GAS DIVISION

By *Robert D. Bates*

Robert D. Bates  
Chief Conservation Geologist

RDB:CT:bf

cc: Watson Oil Corporation  
Mr. Jackie DeVall

150765

*T.D.*

150765

April 9, 1979

Mr. W. C. Wilhite  
District Manager  
Office of Conservation  
P.O. Box 1767  
Lake Charles, Louisiana 70604

Re: Watson Oil Corporation  
Annular Disposal for  
Dr. M.O. Miller #3 Well  
(150765) Sec. 21-15S-5W  
Crab Lake Field

Dear Mr. Wilhite:

Approval is granted for the above Annular Disposal well for a period of one (1) year from date of first disposal.

Reference is made to Paragraph 10 of the Amendment to Statewide Order No. 29-B, dated October 19, 1967 which states "A reasonable estimate of the amount of salt water injected annually into each disposal well shall be reported to the Geological Oil & Gas Division, P.O. Box 44006- Capitol Station, Baton Rouge, La. 70804 with a copy to the appropriate District Manager, such report to be filed during the first quarter of next calendar year." We would like to have this report filed as soon as possible in 1980.

yours very truly,

GEOLOGICAL OIL & GAS DIVISION

Robert D. Bates  
Chief Conservation Geologist

RDB:CT:bf  
cc: Jackie DeVall  
Watson Oil Corporation

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Work Permit

Well Name & No. Dr. M. O. Miller #3  
Field CRAB LAKE  
Parish Cameron  
Sec. 21 - T 18S - R 5W  
Permit Serial No. 150765  
Work Permit No. 441-81

Description of Work P & A - set cement plug 3900' - 3800' with 25 sacks cement - set cement plug 3050' - 2850' with 75 sacks cement & set cement plug 35' - 5' with 15 sacks cement. Cut casing 5' below surface.

Sand & Reservoir To Be Tested \_\_\_\_\_ TD 14,000'

Operator \_\_\_\_\_  
Address WATSON OIL CORPORATION  
City, State & Zip 4801 Woodway, Ste 480-West  
Houston, Texas 77056

Permit Requested By Jane Ashcraft Date 4/13/81  
Permit Authorized By W. B. White District L. C. Date 4-16-81

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.

Work Permit  
STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. Dr. M. O. Miller #3 Sec. 21 T 18S R 5W  
CRAB LAKE Parish Cameron

Permit Serial No. 150765 Work Permit No. 441-81

Description of Work P & A - set cement plug 3000' - 3800' with 25 sacks  
cement - set cement plug 3050' - 2850' with 75 sacks cement &  
set cement plug 35' - 5' with 15 sacks cement. Cut casing 5'  
below surface.

Sand & Reservoir To Be Tested \_\_\_\_\_ TD 14,000'

Operator WATSON OIL CORPORATION  
Address 4801 Woodway, Ste 480-West  
City, State & Zip Houston, Texas 77056

Permit Requested By Jane Ashcraft Date 4/13/81  
Jane Ashcraft

Permit Authorized By W. H. White District LC Date 4-16-81

See Instructions On Reverse Side

Form DM-4R Rev.

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WELL SERIAL NO. 150765  
 WORK PERMIT NO. 441-81 DATE WORK FINISHED (MM-DD-YY) 4/28/81  
WELL Rabe Charles DISTRICT  
 (Three Copies to be Filed with the District Office)

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

Field Crest Lake Parish Cameron Sec. 21 Twp. 15-5 Rge. 5-W  
 Operator Watson Oil Corp Well Name M.O. Miller SWP Well No. 3  
 Total Depth 12800' Condition of Well Depleted

CHECK APPROPRIATE BOX:

- 29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301			3900'	3800'	25	Seaboard-pump
302	7"	2950'	3050'	2850'	70	Seaboard-pump
303			36'	6	15	Seaboard-pump
304						

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: Cut 10 3/4 pipe 4' below ground level and 1/2 steel plate on top.  
Logged Cent plug with log weight @ 2850'

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

Joe D...  
 WITNESS

Watson Oil Corporation  
 OPERATOR

Bobby Kessler  
 (Signed) REPRESENTATIVE

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

PLUG-BACK - T.A.  
PLUG AND ABANDON REPORT

DATE WORK DONE 5-12-77

WELL SERIAL NO. 150765  
WORK PERMIT NO. \_\_\_\_\_

*will*

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 Cash Lake Parish Cameron Sec. 21 Twp. 185 Rge. 5W

Company Watson Oil Corp. Lease Dr. M.O. Miller Well No. 3

Total Depth 14,000 Condition of Well Depleted

- 1. Surface Casing Size 10 3/4 Depth 2800 Amount Pulled None
- 2. Protection Casing Size 7" Depth 12,800 Amount Pulled None
- 3. Production Casing Size 2 3/8 Depth 12,300 Amount Pulled all

CEMENT PLUGS

- 1. Depth 12,239 To 12,139 No. of Sacks 30 How Placed Dowell Rig Pump
- 2. Depth \_\_\_\_\_ To \_\_\_\_\_ No. of Sacks \_\_\_\_\_ How Placed \_\_\_\_\_
- 3. Depth \_\_\_\_\_ To \_\_\_\_\_ No. of Sacks \_\_\_\_\_ How Placed \_\_\_\_\_

Mud Record: Weight 9.8 salt water Viscosity 26

Remarks: Tubing plug at 12,301 cemented to 12,139  
Temporarily P & A for future salt water disposal well

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

[Signature]  
WITNESS

WATSON OIL CORP.  
COMPANY

[Signature]  
( Signed ) REPRESENTATIVE



# WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-2

A Division of Halliburton Company  
DUNCAN, OKLAHOMA 73533

ATTACH TO INVOICE & TICKET NO. 384899

DISTRICT Lake Charles, La

DATE 3-10-78

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Watson Oil Corp.

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER)

WELL NO. #3 LEASE Dr. M.D. Miller SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

FIELD Crab Lake COUNTY CREMONA STATE La. OWNED BY \_\_\_\_\_

### THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED

Furnish crew + power truck + 4000 gal trailer to (White Ridge)  
Acidize Well. (Water 175%)

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

### THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- (j) Upon Customer's default in the payment of Customer's account 60 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 per cent of the amount of the unpaid account.
- (k) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED Melvin Perreault CUSTOMER

DATE 3-10-78



# WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 389802

DATE 3-14-78

1408 R-2 A Division of Halliburton Company DUNCAN, OKLAHOMA 73533

HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Watson Oil (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

NO. A-1 LEASE M.O. Miller SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

Cros Lake COUNTY Comman STATE La. OWNED BY Watson Oil

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>u</u>	<u>29</u>	<u>7.0</u>			<u>1500</u>
LINER						
TUBING	<u>u</u>	<u>6.5</u>	<u>2 7/8</u>	<u>E.N.E</u>		
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>12422</u>	<u>12432</u>	<u>4</u>
PERFORATIONS						
PERFORATIONS						

TYPE \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

TYPE R+H SET AT 11983

DEPTH \_\_\_\_\_ MUD WEIGHT 10.0

HOLE \_\_\_\_\_

PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED

Removal power tools, crew to operate same, mix water, sent to Guy Ref. 12422-32

OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- consideration, the above-named Customer agrees:
  - To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
  - shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
  - Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
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  - Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
  - Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
  - Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
  - Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
  - Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
  - Upon Customer's default in the payment of Customer's account 50 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 per cent of the amount of the unpaid account.
  - Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED: [Signature] CUSTOMER

DATE 3-14-78

**CEMENTING SERVICE REPORT**

DWL-496-J PRINTED IN U.S.A.



TREATMENT NUMBER

14-01-9360

DOWELL DISTRICT

Lake Charles

DATE

5-11-77

WELL NAME AND NO.

DR. MO. Miller #3

LOCATION-POOL-FIELD

Grand Chenier

DOWELL REPRESENTATIVE

DW Bourque

COUNTY

Cameron

STATE

La

NAME Watson Oil Co.

AND 4801 Wood Way

ADDRESS Houston Texas

ZIP CODE

SPECIAL INSTRUCTIONS Set Plug 12290 to 12190

W/30BK class A + 3% D28

+ 3% D46

RIG NAME:

WELL DATA

HOLE SIZE	7"	CASING OR LINER	A	B	C	D
DEPTH		SIZE-WEIGHT	29.20			
<input type="checkbox"/> ROT	<input type="checkbox"/> CABLE	TOP				
BHST		BOTTOM				
BHLT		GRADE & THREAD				
BHCT		CAPACITY				

MUD: TYPE WT. VISC.

SHOE FLDAT	TYPE		STAGE TOOL	TYPE	
	DEPTH			DEPTH	
SHOE FLDAT	TYPE		STAGE TOOL	TYPE	
	DEPTH			DEPTH	

TDB  D.P. HEAD & PLUGS SQUEEZE JOB

SIZE	2 3/8 DBS	DOUBLE	TOOL	TYPE	
WEIGHT	407	<input type="checkbox"/> SINGLE		DEPTH	
GRADE		<input type="checkbox"/> SWAGE	TAIL PIPE:	IN.	FT.
THREAD		<input type="checkbox"/> KNOCKOFF	PERF INTERVAL		FT.
<input type="checkbox"/> NEW <input checked="" type="checkbox"/> USED	TOP <input type="checkbox"/> R <input type="checkbox"/> W				TO
DEPTH	12290	BOT <input type="checkbox"/> R <input type="checkbox"/> W			TO
CAPACITY		OTHER			TO

PRESSURE LIMIT PSI BUMP PLUG TO PSI MIN

ROTATE RPM  RECIPROCATE FT  CENTRALIZERS NO

JOB SCHEDULED FOR TIME: DATE: ARRIVED ON LOCATION TIME: DATE: LEFT LOCATION TIME: DATE:

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBG. OR D.P.	CASING			
0830					Leave STA
1000					ARRIVE LOC
1100					Rig up To well
1105			5	1	Pump Water
1115			6	1	Mix CMT
1200	500		47.5	2	Pump DISP
1230					Rig Down
1300					Leave Loc
1430					ARRIVE STA

**RECEIVED**  
MAY 19 1977  
DEPARTMENT OF CONSERVATION  
LAFAYETTE, LOUISIANA

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU.FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			VOL.	WT.		
1.	30	1.08	Class A + 3% D28 + 3% D46		6	16.7
2.						
3.						

BREAKDOWN FLUID	WT.	SACKS MIXED	30	PUMPED	30	PRESSURE MAX:	MIN:
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input type="checkbox"/> NO	CEMENT CIRCULATED TO SURF.		<input type="checkbox"/> YES <input type="checkbox"/> NO	
BREAKDOWN	PSI	FINAL	PSI	CEMENT LEFT IN PIPE:		FT	
WASHED THRU	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT	MEASURED	<input checked="" type="checkbox"/> DISPLACEMENT <input type="checkbox"/> WIRELINE	<input type="checkbox"/> AS PLANNED <input type="checkbox"/> UNAVOIDABLE	
TYPE OF WELL	<input checked="" type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE/WATER <input type="checkbox"/> WILDCAT	CUSTOMER REPRESENTATIVE		DOES CUSTOMER CONSIDER SERVICE:			
	<input checked="" type="checkbox"/> GAS <input type="checkbox"/> INJECTION			<input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/> UNKNOWN			

State of Louisiana



R. T. SUTTON  
COMMISSIONER

DEPARTMENT OF CONSERVATION  
GEOLOGICAL OIL & GAS DIVISION  
P. O. BOX 44006 - CAPITOL STATION  
BATON ROUGE, LA 70804

April 14, 1977

*W. C. Wilhite*

Mr. W. C. Wilhite  
District Manager  
Department of Conservation  
P.O. Box 1767  
Lake Charles, LA 70604

Re: Watson Oil Corporation  
Convert Dr. M.O. Miller  
#3 Well (150765) SWD  
Sec. 21-15S-5W  
Crab Lake Field

Dear Mr. Wilhite:

Approval is granted for the above application to convert subject well to a SWD well.

Reference is made to Paragraph 10 of the Amendment to Statewide Order No. 29-B, dated October 19, 1967, which states "A reasonable estimate of the amount of salt water injected annually into each disposal well shall be reported to the Geological Oil & Gas Division, P.O. Box 44006-Capitol Station, Baton Rouge, La., 70804, with a copy to the appropriate District Manager, such report to be filed during the first quarter of next calendar year." We would like to have this report filed as soon as possible in 1978.

Yours very truly,

GEOLOGICAL OIL & GAS DIVISION

By *Robert D. Bates*

Robert D. Bates  
Chief Conservation Geologist

RDB:CT:bf  
cc: Watson Oil Corporation  
Mr. Jackie DeVall

# WATSON OIL CORPORATION

4801 WOODWAY  
SUITE 480 WEST  
HOUSTON, TEXAS 77056

(713) 965-0881

April 20, 1977

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

Attn: Mr. William C. Wilhite  
District Manager

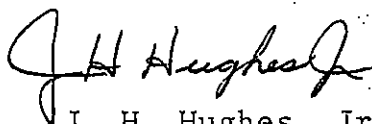
Re: Annular Salt Water Disposal  
Dr. M. O. Miller No.3  
Crab Lake Field, Cameron  
Parish, Louisiana  
State ID No. 150765

Dear Mr. Wilhite:

Watson Oil Corporation requests an Annular Salt Water Disposal Permit for Dr. M. O. Miller No. 3. A permit has been obtained to convert this well to salt water disposal, but an annular disposal permit is requested for the interim period until the well is converted.

This well had a 15" hole drilled to 2950', then 10 3/4" casing set at this depth. The 10 3/4" casing was cemented with 2500 sacks of cement.

Watson Oil Corporation has four wells in this field, of which three are producing and one is shut-in, (Dr. M. O. Miller No.3). Watson is presently producing 26 MMCF of gas per day with 230 barrels of condensate from the Crab Lake Field. At the present time only one well (Dr. M. O. Miller No.2) is producing salt water, but there is no reason to believe the other wells will not produce salt water. It is estimated that a maximum of approximately 400 barrels of salt water will be disposed of daily, if all of the wells start to produce salt water. Watson Oil Corporation does not have any salt water disposal wells or annular disposal wells in the Crab Lake Field.



J. H. Hughes, Jr.  
Drilling Engineer

JHH:lc

copies to: K. A. Pelt  
M. Garcia  
J. Hughes  
Production Clerk  
Central File

*Mr. Hughes:*

*This is approved as  
a temporary measure until  
the full conversion to a SWD  
well is accomplished.*

a City Investing company

*W.C. Wilhite*



# WATSON OIL CORPORATION

4801 WOODWAY  
SUITE 480 WEST  
HOUSTON, TEXAS 77056

(713) 965-0881

April 4, 1977

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

Attn: Mr. William C. Wilhite-  
District Manager

Re: Dr. M. O. Miller No.3  
Crab Lake Field  
Cameron Parish, La.  
State ID No. 150765

Dear Mr. Wilhite:

Watson Oil Corporation requests permission to convert Dr. M. O. Miller No. 3, Crab Lake Field, Cameron Parish to salt water disposal. The Robulus Sand at 12,499' to 12,507' produced 2.076 MCF of gas then started producing 100% salt water. There are no workovers in the wellbore.

This well was drilled to a total depth of 14,025'. An intermediate string of 7" casing was set at 12,756' and cemented with 990 sacks of cement (top of cement at 8240', from Cement Bond Log). After drilling to 14,025', it was determined the hole below the 7" casing was non-productive. A cement retainer was set at 12,700' and 95 sacks of cement pumped below it, then 50 sacks of cement were spotted on top of the retainer. This cement was then dressed off to 12,650' (PBTD).

The present perforations (12,499'-12,507') will be plugged by setting a cement retainer at 12,250' and pumping 50 sacks of cement below the retainer then spotting 50 sacks of cement on top of the retainer.

Watson Oil Corporation requests permission to dispose of salt water into the porous zones from 3100' to 4374'. Initially the salt water will be injected into the zone 4288' to 4372'. To prevent the salt water from migrating behind the 7" casing, two block squeezes will be performed, one at 4540' and the other at 4040'. These squeezes are located in thick shale sections and should result in good isolation squeeze jobs. Before any

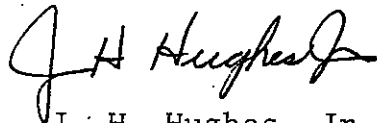
salt water would be injected into any porous zone above the squeeze at 4040', a block squeeze would be performed above the proposed zone to insure that the salt water would not be able to migrate upward.

A tubing string and packer will be run in the well to 3950'.

It is anticipated that the ultimate injection rate will be approximately 400 barrels of salt water per day.

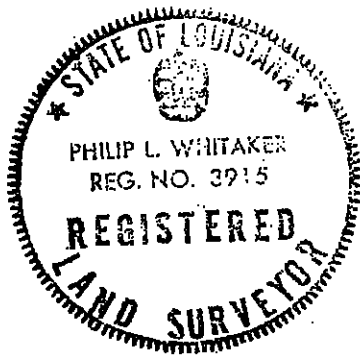
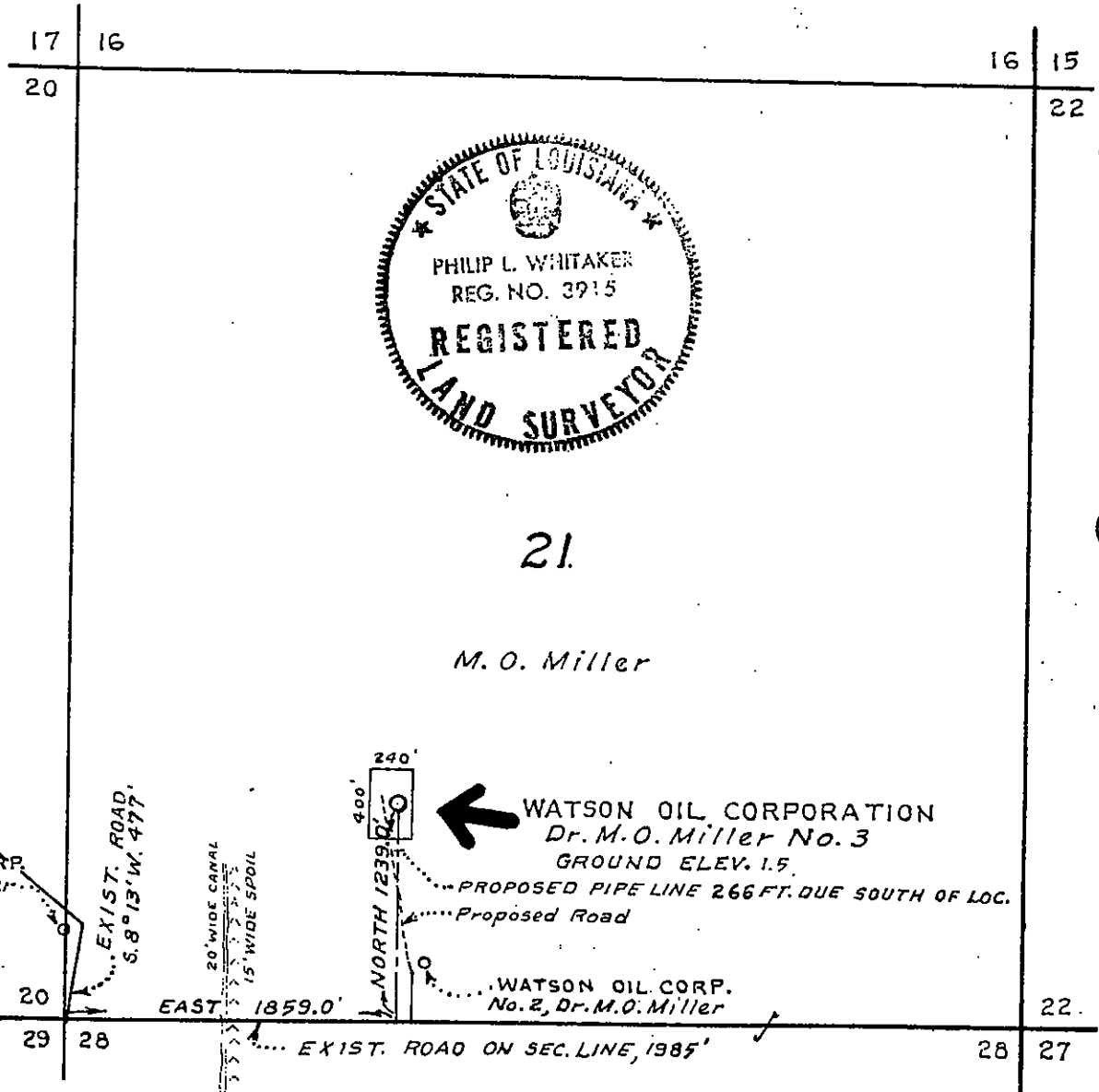
As best as can be determined, this interval has not been used for salt water disposal in the Crab Lake Field.

Enclosed are two copies of the electric log and location plat.



J. H. Hughes, Jr.  
Drilling Engineer

JHH:lc  
enclosure



21.

M. O. Miller

WATSON OIL CORP.  
No. 1 Dr. M.O. Miller  
GR. EL. 1.5

← WATSON OIL CORPORATION  
Dr. M.O. Miller No. 3  
GROUND ELEV. 1.5.

PROPOSED PIPE LINE 266 FT. DUE SOUTH OF LOC.  
Proposed Road

WATSON OIL CORP.  
No. 2, Dr. M.O. Miller

WELL LOCATION.  
WATSON OIL CORPORATION  
Dr. M.O. Miller No. 3

From the Southwest Corner of Section  
21, T. 15 S., R. 5 W., go East 1859.0 feet,  
thence North 1239.0 feet to the Location.  
Ground Elev. 1.5

We hereby certify that we staked the  
above Well Location as shown November  
17, 1975. F. Shutts' Sons - Civil Engineers

WATSON OIL CORP.  
WELL LOCATION  
SECTION 21  
T. 15 S., R. 5 W.  
CAMERON PARISH, LA.

SCALE: 1" = 1000' NOVEMBER 17, 1975

F. Shutts' Sons  
Civil Engineers  
Lake Charles, La.

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

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

*Dropped 8/19/76*

WELL COMPLETION OR RECOMPLETION REPORT

*7-26*

Lake Charles DISTRICT

Re: Well Serial No.: 150765

Completed  Flowing  Operator: Watson Oil Corporation  
 Recompleted  Gas-Lifting  Well Name: Dr. M. O. Miller  
 Oil  Pumping  Well No.: 3, Sec. 21, Twp. 15S, Rge. 5W  
 Gas  Shut-In  Field Crab Lake  
 Parish Cameron

Date Completed or Recompleted March 24, 1976 at 10:00 (a.m.) (~~noon~~)

COMPLETION DATA

Initial Production 31.0 BOPD Gas Volume 2076 MCF/Day  
 Tubing Pressure 3221 psig Casing Pressure 0 psig  
 Choke Size 11/64" Positive  Adjustable  B.S. & W. 0 %  
 Gas/Oil Ratio 66,968 CF/Bbl. Gravity 42.3 at 60° A. P. I.  
 Producing Depth: From 12,499 Ft. to 12,507 Ft. T. D. 14,025 Ft.  
 Name of Producing Sand: Robulus

\*New Pool ~~NO NEW POOL~~ List Reason(s) for Pool Classification First well to be completed in this zone in this fault block

\*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: \_\_\_\_\_

Watson Oil Corporation

COMPANY

*R. C. Turnham*

R. C. Turnham

COMPANY REPRESENTATIVE

Chief Petroleum Engineer

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>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: \_\_\_\_\_

CONSERVATION DEPT.

From - Comp.      COMPANY

(Signed) COMPANY REPRESENTATIVE

MAR 30 1976

# State of Louisiana



R. T. SUTTON  
COMMISSIONER

DEPARTMENT OF CONSERVATION  
P. O. BOX 1767

LAKE CHARLES, LA 70601  
March 31, 1976

Geological Survey  
P. O. Box 44006  
Baton Rouge, La. 70804

Dear Sir:

Please find enclosed copy of an Electrical log on each of the following wells:

B. Bridewell & W.G.                      Serial #113016  
Darsey                                      Wildcat

W. S. Kingrey #1  
Allen Parish, La.

Jack W. Grigsby                          Serial #150811  
Amelia Beard #1                          Topsy  
Jeff. Davis Parish, La.

Burton & Sutton Oil Co., Inc.          Serial #149153  
School Board #35                          Cameron Meadows  
Cameron Parish, La.

Ada Oil Co., Inc.                          Serial #141232  
Thomas B. Baggett #1                      East LeBlanc  
Allen Parish, La.

Continental Oil Co.                        Serial #151211  
John A. Bel Est. #1                        Wildcat  
Allen Parish, La.

The Stone Oil Corp.                        Serial #144628  
Miami Corporation #1                        South Lake Misere  
Cameron Parish, La.

Watson Oil Corp.                          Serial #150765  
Dr. M. O. Miller #3                        Crab Lake  
Cameron Parish, La.

Yours very truly,

W. C. WILHITE  
Lake Charles

/rrb

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. Dr. M. O. Miller No. 3 Sec. 21 T. 15S R. 5W  
Field Crab Lake

Permit Serial No. 150765 Parish Cameron Work Permit No. 303-76

Description of Work Perforate  
Perforate from 12,499'-12,507' w/4 SPF

Sand & Reservoir To Be Tested Robulus TD 14,000'

Operator Watson Oil Corporation  
Address P. O. Box 4128  
City, State & Zip Shreveport, La. 71104

Permit Requested By R. C. Turnham Date 3-25-76  
R. C. Turnham

Permit Authorized By Willie District L.C. Date 3/26/76

See Instructions On Reverse Side

Form DM-4R Rev.

*William*

**WATSON OIL CORPORATION**

P. O. BOX 4128

SHREVEPORT, LOUISIANA 71104

March 29, 1976

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

RE: Watson Oil Corporation  
Dr. M. O. Miller No. 3  
Cameron Parish, Louisiana

Gentlemen:

Enclosed are the following items on the above well:

- 1) Form WH, Well History and Work Resume Report in triplicate.
- 2) Form-Comp, Well Completion or Recompletion Report in triplicate.
- 3) Form AD, Report of Proof of Apparent Deviation in triplicate.
- 4) Copy of electrical log, in duplicate.

Thanks for your assistance.

Very truly yours,

WATSON OIL CORPORATION

*R. C. Turnham*

R. C. Turnham  
Chief Petroleum Engineer

RCT/jo

Enclosures

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATION

REPORT OF PROOF OF APPARENT DEVIATION

SERIAL NO. 150765

OPERATOR Watson Oil Corporation DISTRICT Lake Charles

FIELD Crab Lake PARISH Cameron

WELL NAME & NO. Dr. M. O. Miller No. 3 SEC. 21 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	.00436	1/2	740	740	.00873	6.5	6.5	
1/2	.00873	1/2	1500	760	.00873	6.6	13.1	
3/4	.01309	1	2450	950	.01745	16.6	29.7	
1	.01745	1/2	3108	658	.00873	5.7	35.4	
1 1/4	.02182	3/4	4103	995	.01309	13.0	48.4	
1 1/2	.02618	1/2	4667	564	.00873	4.9	53.3	
1 3/4	.03054	1/2	5295	628	.00873	5.5	58.8	
2	.03490	1/2	6275	980	.00873	8.5	67.3	
2 1/4	.03926	1	7066	791	.01745	13.8	81.1	
2 1/2	.04362	1	7905	839	.01745	14.6	95.7	
2 3/4	.04798	1/2	8412	507	.00873	4.4	100.1	
3	.05234	0	9112	700	0	0	100.1	
3 1/4	.05669	1/4	10019	907	.00436	3.9	104.0	
3 1/2	.06105	1	10903	884	.01745	15.4	119.4	
3 3/4	.06540	1	11734	831	.01745	14.5	133.9	
4	.06976	1	12538	804	.01745	14.0	147.9	
4 1/4	.07411							
4 1/2	.07846							
4 3/4	.08281							
5	.08716							
5 1/4	.09150							
5 1/2	.09585							
5 3/4	.10019							
6	.10453							
6 1/4	.10887							
6 1/2	.11320							
6 3/4	.11754							
7	.12187							
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 3-30-76

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



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD

Crab Lake

SERIAL NO.

150765

PRODUCING INTERVAL

12,499 - 12,507

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

WELL NO.

3

PARISH

Cameron

SEC. 21

TWP. 15S

RGE. 5W

DATE PERMIT ISSUED

12-12-75

DATE SPUDDED

12-21-75

DATE READY TO PRODUCE\*

3-24-76

TOTAL DEPTH

14,025'

PBTD.

12,650'

GROUND ELEVATION

1.5

CASING HEAD FLANGE ELEVATION

2.0

DISTANCE FROM RKB TO CHF

20.2

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?

Totco's

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?

Form AD

DATE FILED

3-30-76

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

GR-ISF-Sonic, Dipmeter, CBL, FDC/CNL

DATE FILED

3-30-76

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		156'					
10-3/4"	15"	40.5	2950'	2500	1500	1/2	12-26-75	
7"	9-7/8"	26629	12,744'	990	1500	1/2	1-29-76	

TUBING SIZE: 2-3/8 DEPTH OF TUBING: 12,290 DEPTH OF PACKER(S): 12,290'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME		CHOKE SIZE		WELL STATUS
31.0	BOPD	2076	MCF/DAY	11/64	Flowing
TUBING PRESSURE	CASING PRESSURE	GOR		DS & W	XXX - (SHUT-IN)
3221 psig	pkc psig	66,968:1		0	5075 psi
GRAVITY	CONSERVATION AGENT MAKING GAUGE		COMPANY REPRESENTATIVE		DATE GAUGED
42.3 *API 60°F			Patton		3-25-76

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. Lushorn

Title: Chief 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 Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
	2-4-76 to 2-8-76	Glasscock	Deepen to 14,000'
	2-11-76	Halliburton	Plugback to 12,700'
	3-24-76	Go Inter.	Perforate

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

FORMATION	DEPTH	FORMATION	DEPTH

CONSERVATION DEPT.

MAR 30 1976

L. W. CUMMIS

**JOB DATA SHEET**



FORT WORTH, TEXAS

Date 3-2-76  
 Job No. 57-5097-232  
 Customer Order No. \_\_\_\_\_  
 Job Ticket No. 14322

Customer Watson Oil Corp. Address P.O. Box 4128, Shreveport, LA.  
 Lease and Well No. Ac. M.O. Millon #3 Legal Description \_\_\_\_\_  
 State LA. County Franklin Field WAB LAKE

**TO GO INTERNATIONAL**

You are hereby requested to furnish the service and materials and equipment herein set forth upon the following terms and conditions, to wit:  
 The undersigned, as customer, agrees to pay you for the service and/or materials ordered herewith at the office of GO INTERNATIONAL, Fort Worth, Texas. Should any account not be paid within the term fixed by the invoice, interest will be charged at the rate of eight per cent (8%) per annum from date of each invoice.  
 In the event you employ an attorney to enforce any claims of indebtedness against the undersigned customer, said customer agrees to pay all costs of collection and reasonable attorney's fees which, in no event, shall be less than the sum of \$75.00.  
 The above described work shall be performed by you as an independent contractor. However, it is understood and agreed that you do not guarantee the results of your service and shall not be liable for injury to persons or to property of well owners and/or customers unless caused by your willful negligence, this provision applying, but not limited to, subsurface damage and surface damage arising from subsurface damage. Well owner and/or customer shall be responsible for and secure you against any liability for reservoir loss or damage or personal or property damage arising from a well blowout, unless such loss or damage is caused by your willful negligence. The well owner or drilling company will pay for the actual cost of replacing or repairing the well service equipment, or any part thereof, if same should be lost or damaged while being used in performing the work on the above described well.  
 Should any of your instruments, tools, or equipment be lost or destroyed in the rendition of your service, customer agrees to use all reasonable diligence, and facilities available to recover the same, and customer agrees to reimburse you for the reasonable value of any instrument, tools, or other personal property that cannot be recovered within sixty (60) days, or for the cost of repairing any damage to items recovered.  
 Customer agrees that all depth measurements shall be made by it or its employees, and shall be supervised by customer or its employees.  
 Customer certifies that it is the owner of the well on which the work herein ordered is to be done; or that it has the full right and authority to order such work done on such wells; and that the well in which the work is to be done by you is in proper and suitable condition for the performance of said work.  
 Customer further agrees that the terms and conditions herein set forth constitute the entire agreement and that no employee of your company is authorized to alter the terms hereof. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

**CUSTOMER'S AGENT**

**TITLE**

**DATE**

**Well Data**  New Well  Work Over

Casing Size 7" Weight \_\_\_\_\_  
 Tubing Size \_\_\_\_\_ Seating Nipples \_\_\_\_\_  
 T.D. (Customer) \_\_\_\_\_ Fluid Level Full  
 T.D. (Go) \_\_\_\_\_ Type of Fluid S.W.  
 Well Pressure \_\_\_\_\_ Res. Pressure \_\_\_\_\_  
 Max. Temp. Degrees F. \_\_\_\_\_  
 Threads for Lubricator \_\_\_\_\_  
 Zero 30.2 ABHG

**Logging** Tool No. \_\_\_\_\_

Type \_\_\_\_\_ In. Scale From \_\_\_\_\_ To \_\_\_\_\_  
 Type \_\_\_\_\_ In. Scale From \_\_\_\_\_ To \_\_\_\_\_  
 Type \_\_\_\_\_ In. Scale From \_\_\_\_\_ To \_\_\_\_\_  
 Log Measure From \_\_\_\_\_ Elev. \_\_\_\_\_  
 Drilling Measured From \_\_\_\_\_ Elev. \_\_\_\_\_  
 Permanent Datum From \_\_\_\_\_ Elev. \_\_\_\_\_  
 First Run  Subsequent Run

**Perforating**  Casing  Open Hole  Thru Tubing

Type Gun \_\_\_\_\_ Charge Size \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Holes/Ft. \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Holes/Ft. \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Holes/Ft. \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Holes/Ft. \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Holes/Ft. \_\_\_\_\_  
 From \_\_\_\_\_ To \_\_\_\_\_ Holes/Ft. \_\_\_\_\_

Plugs  Packers  Dump Bails, Etc. Baker   
 Go   
 Other

Model \_\_\_\_\_ Size \_\_\_\_\_ Type \_\_\_\_\_ At \_\_\_\_\_ Ft. \_\_\_\_\_  
 Serial No. \_\_\_\_\_  
 Baker Basket  Yes  No

Job Time Data		Date	Time	Hours Expended
Report to Station		3-2-76	5:30	A.M.
Arrive at Location			11:30	A.M.
Start Rigging Up			1:30	A.M.
Begin Waiting Period				
End Waiting Period				
Begin Waiting Period				
End Waiting Period				
Begin Waiting Period				
End Waiting Period				
End of Operation			1:30	P.M.
Depart from Location			2:00	P.M.
Unload and Complete Records			3:30	P.M.
Total		3-2-76	10 HRS	

Operator Rushford  
 Riggers Houssard - Budge

Collar Depths		Depth Used
Customer	Go	

**CASING RECORD**

Size	Wt.	From	To
7"		SURF	TO

RUN NO.	GUN SIZE	GUN TYPE	DEPTH		HOLES		EXPLANATION
			FROM	TO	THIS RUN	TOTAL	
1		J.H.		12320			RAN JUNK BASKET 190% OK
2	3 1/2	PARKER		12250			SET OTIS PARKER OK
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

REPORT BELOW ANY JOB DIFFICULTIES

51

**REGIONAL MANAGER**



FORT WORTH, TEXAS

OIL CORP. M. U. MILLER #3

Address: P.O. Box 4117, SHERWOOD, LA.

Legal Description

County: CASSIEN

Field: CASH LAKE

Date: 2-21-76  
Job No: 57-5082-212  
Customer Order No:  
Job Ticket No: 24316

you are hereby requested to furnish the service and materials and equipment herein set forth upon the following terms and conditions to wit:  
The undersigned, as customer, agrees to pay you for the service and/or materials ordered hereunder at the office of GO INTERNATIONAL, Fort Worth, Texas. Should any account not be paid within the term fixed by the invoice, interest will be charged at the rate of eight per cent (8%) per annum from date of each invoice.  
In the event you employ an attorney to enforce any claims of indebtedness against the undersigned customer, said customer agrees to pay all costs of collection and reasonable attorney's fees which, in no event, shall be less than the sum of \$75.00.  
The above described work shall be performed by you as an independent contractor. However, it is understood and agreed that you do not guarantee the results of your service and shall not be liable for injury to persons or to property of well owners and/or customers unless caused by your willful negligence, this provision applying, but not limited to, subsurface damage and surface damage arising from subsurface damage. Well owner and/or customer shall be responsible for and secure you against any liability for reservoir loss or damage or personal or property damage arising from a well blowout, unless such loss or damage is caused by your willful negligence. The well owner or drilling company will pay for the actual cost of replacing or repairing the well service equipment or any part thereof, if same should be lost or damaged while being used in performing the work on the above described well.  
Should any of your instruments, tools, or equipment be lost or destroyed in the rendition of your service, customer agrees to use all reasonable diligence, and facilities available to recover the same, and customer agrees to reimburse you for the reasonable value of any instrument, tools, or other personal property that cannot be recovered within sixty (60) days, or for the cost of repairing any damage to items recovered.  
Customer agrees that all depth measurements shall be made by it or its employees, and shall be supervised by customer or its employees.  
Customer certifies that it is the owner of the well on which the work herein ordered is to be done, or that it has the full right and authority to order such work done on such wells, and that the well in which the work is to be done by you is in proper and suitable condition for the performance of said work.  
Customer further agrees that the terms and conditions herein set forth constitute the entire agreement and that no employee of your company is authorized to alter the terms hereof. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

CUSTOMER'S AGENT TITLE DATE

Well Data:  New Well  Work Over  
Casing Size: 7" Weight  
Tubing Size: Seating Nipples  
T.D. (Customer): Fluid Level  
T.D. (Go): 12,617' Type of Fluid  
Well Pressure: Res. Pressure  
Max. Temp. Degrees F.  
Threads for Lubricator  
Zero: B.H.P.

Perforating:  Casing  Open Hole  Thru Tubing  
Type Gun: Charge Size  
From: To: Holes/Ft.  
From: To: Holes/Ft.  
From: To: Holes/Ft.  
From: To: Holes/Ft.  
From: To: Holes/Ft.  
From: To: Holes/Ft.

Logging Tool No.  
Type: CBL + GMA 5 In. Scale From: 12,617' To: 10,600'  
Type: In. Scale From: To:  
Type: In. Scale From: To:  
Log Measure From: ADHM Elev.  
Drilling Measured From: Elev.  
Permanent Datum From: Elev.  
First Run  Subsequent Run

Plugs—Packers—Dump Bailers, Etc. Baker   
Go   
Other   
Model: Size: Type: At: Ft.  
Serial No.  
Baker Basket  Yes  No

Job Time Data

	Date	Time	Hours Expended
Report to Station	2-21-76	4:00	1.00
Arrive at Location		6:30	1.50
Start Rigging Up		7:00	1.00
Begin Waiting Period			
End Waiting Period			
Begin Waiting Period			
End Waiting Period			
Begin Waiting Period			
End Waiting Period			
End of Operation		5:00 P.M.	
Depart from Location		6:00 P.M.	
Unload and Complete Records		8:00 P.M.	
Total	2-21-76		16 HRS

Collar Depths

Customer	Go	Depth Used

CASING RECORD

Size	Wt.	From	To

RUN NO.	GUN SIZE	GUN TYPE	DEPTH		HOLES		EXPLANATION
			FROM	TO	THIS RUN	TOTAL	
1	CBL + GMA	12,617' 10,600'			0		AND THE CONCRETE DROPPED LOG WITH A GANGLER AND CRACK!
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

REPORT BELOW ANY JOB DIFFICULTIES

REGIONAL MANAGER

Work Permit  
STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DR. M. O. MILLER NO. 3 Sec. 21 T. 15S R. 5W  
 Field Crab Lake Parish Cameron  
 Permit Serial No. 150765 Work Permit No. 153-76

Description of Work Plug Back. Set wireline cmt retainer in 7" csg @ 12,700'. Squeeze 100 sx cmt below retainer. Set cmt plug from 12,500' to 12,700'. Dress off plug to 12,600'.

Sand & Reservoir To Be Tested Robulus TD 12,700'

Operator Watson Oil Corporation  
 Address P. O. Box 4128  
 City, State & Zip Shreveport, La. 71104

Permit Requested By R. C. Turnham Date 2-11-76  
R. C. Turnham  
 Permit Authorized By W. Lee District L.C. Date 2/13/76

See Instructions On Reverse Side  
Form DM-4R Rev.

Work Permit  
STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. Dr. M. O. Miller No. 3 Sec. 21 T. 15S R. 5W  
 Field Crab Lake Parish Cameron  
 Permit Serial No. 150765 Work Permit No. 129-76

Description of Work Deepen to 14,000'

Sand & Reservoir To Be Tested Robulus TD 14,000

Operator Watson Oil Corporation  
 Address P. O. Box 4128  
 City, State & Zip Shreveport, LA 71104

Permit Requested By R. C. Turnham Date 2-4-76  
R. C. Turnham  
 Permit Authorized By W. Lee District L.C. Date 2/9/76

See Instructions On Reverse Side  
Form DM-4R Rev.

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

AFFIDAVIT OF TEST OF CASING IN WELL

DATE WORK DONE 12-21-75 WELL SERIAL NO. 150765  
~~12-26-75~~

*W. Miller*

Jake 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. 21 Twp. 15 Rge. 5

Company Watson O. Co. Lease Dr. M. O. Miller Well No. 3

Size of casing 10 3/4 Weight 40.5 Make U.S. Steel

No. of threads per in. 8 Grade J-55 Seamless  New  2nd

If second hand, was pipe tested Describe

Depth casing shoe landed below derrick floor 2930 Ft. Sacks of cement 2600

Size of hole 15' Ins. Amount of cement left in pipe 100

Method of cementing Western Cement set in 8 hrs., under \_\_\_\_\_ psig.

Total depth 2950 Total time set 36 hrs.

DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG

Date of test 12-26-75 Gauge pressure of casing 1500 psig.

Pressure at end of 30 minutes None <sup>1500</sup> Pressure drop None psig.

Test fluid: Water  Mud  Weight 9 Viscosity 42

Remarks: GLASCOCK DRILLING Co Rig #3 Spudded in 12-21-75  
Tagged plug 2850

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

Raymond Dick  
WITNESS

Watson O. L. Company  
COMPANY  
[Signature]  
(Signed) REPRESENTATIVE

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

AFFIDAVIT OF TEST OF CASING IN WELL

DATE WORK DONE 1-26-76  
1-29-76

WELL SERIAL NO. 150765

*William*

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. 21 Twp. 15S Rge. 5W

Company Watson Oil Co Lease DR. M. O. Miller Well No. 3

Size of casing 7 Weight 26 + 29 # Make U.S. Steel + 500

No. of threads per in 8RD Grade A-80 S-95 Seamless  New  2nd

If second hand, was pipe tested ..... Describe .....

Depth casing shoe landed below derrick floor 12744 Ft. Sacks of cement 990

Size of hole 9 7/8 Ins. Amount of cement left in pipe 83

Method of cementing Haliburton Cement set in 8 hrs., under ..... psig.

Total depth 12744 Total time set 48 hrs.

DETAIL OF PRESSURE TEST BEFORE DRILLING PLUG

Date of test 1-28-76 Gauge pressure of casing 1500 # psig.

Pressure at end of 30 minutes 1500 # Pressure drop None psig.

Test fluid: Water  Mud  Weight 11.5 Viscosity 44

Remarks: Glascock Drilling Co. Rig #2 Tagged plug @ 1259

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

Raymond Dick  
WITNESS

Watson Oil Company  
COMPANY

(Signed) [Signature]  
REPRESENTATIVE

FORM MD 13-R

STATE OF LOUISIANA  
DEPT. OF CONSERVATION

DISTRICT OFFICE COPY

PERMIT TO DRILL FOR MINERALS

PERMIT .....\$100.00  
Multiple Zone Processing

ATT

Send To LAKE CHARLES/12 Date DECEMBER 12, 1975  
Serial No. Ser. #150765 API #1702520984  
Parish CAMERON Field CRAB LAKE

Operator WATSON OIL CORPORATION  
Address P.O. BOX 4128  
City & State SHREVEPORT, LOUISIANA 71104  
Well Name DR. M. O. MILLER NO. 3  
Location SEC 21, T15S, R5W  
1239' FSL & 1859' FWL OF SEC. 21-T15S-R5W.

Zone or Reservoir of Proposed Completion P. T. D. 13,500'  
ROBULUS  
-----  
Applicable Department of Conservation Order

*R. J. Susters*  
COMMISSIONER

*Joseph J. McVall Jr*  
ISSUING AUTHORITY

134855

**WATSON OIL CORPORATION**

P. O. BOX 4128

SHREVEPORT, LOUISIANA 71104

December 4, 1975

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

RE: Watson Oil Corporation  
Dr. M. O. Miller #3  
Cameron Parish, Louisiana

Gentlemen:

Enclosed are the following items on the above well:

- 1) WPE, Ltd. check in the amount of \$100.00 to cover permit.
- 2) Application for Permit to Drill for Minerals, Form MD-10-R, in duplicate.
- 3) Location plat, in triplicate.

Thank you for your assistance.

Very truly yours,

WATSON OIL CORPORATION

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

RCT/jo

Enclosures

State of Louisiana  
DEPARTMENT OF CONSERVATION

Inter Office

Date: 12/10/75

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

Enclosed herewith please find application from Watson Oil Corporation  
for permit to drill  
their Dr. M. O. Miller #3, Crab Lake Field  
Cameron Parish, Louisiana. Zone intermediate

Also enclosed please find:

Check No. 0681 in the amount of \$ 100.00

~~xxx~~ Well location plat  
~~xxx~~ 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. \_\_\_\_\_.

Pending Hearing, Docket No. \_\_\_\_\_.

Remarks & Recommendations:

**Recommend approval of conditional permit specifying compliance with Order 29-E.**

By \_\_\_\_\_  
District Manager

**W. C. WILHITE**

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

LT-1

State of Louisiana



R. T. SUTTON  
COMMISSIONER

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

December 15, 1975

RE: Cameron Parish  
Crab Lake Field  
Dr. M. O. Miller Well #3  
Serial #150765

Watson Oil Corporation  
P.O. Box 4128  
Shreveport, Louisiana 71104

Gentlemen:

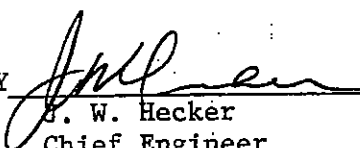
We are issuing Permit to Drill for the above referenced well with the understanding that completion cannot be in any pool in which the location does not conform with the provisions of Statewide Order No. 29-E.

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

  
J. W. Hecker  
Chief Engineer

cc: H. B. Walker  
District Manager  
Lake Charles

JRA/djp

TYPE ONLY

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATION

*Intermediate*

APPLICATION FOR PERMIT TO DRILL ~~WATER~~ FOR MINERALS

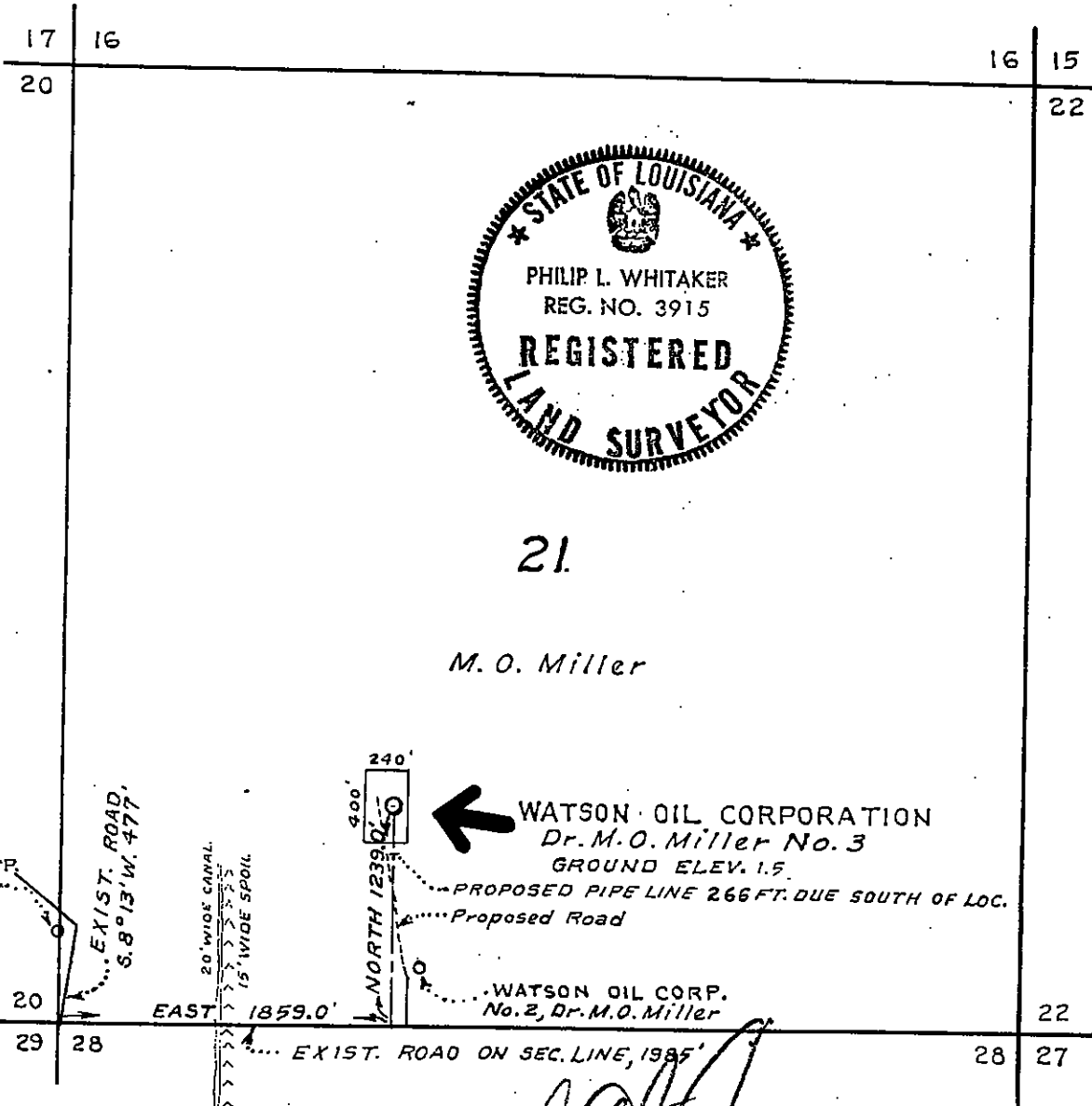
SERIAL No. \_\_\_\_\_ DATE December 4, 19 75  
PARISH Cameron FIELD Crab Lake  
OPERATOR Watson Oil Corporation 10279  
ADDRESS P. O. Box 4128 Shreveport, La. 71104  
WELL NAME Dr. M. O. Miller No. 3  
LOCATION OF WELL: SEC. 21 T. 15S R. 5W  
1239' FSL & 1859' FWL of Sec 21-15S-5W

APPLICATION FOR Gas WELL. PROPOSED TOTAL DEPTH 13,500'  
ZONE OR RESERVOIR OF PROPOSED COMPLETION Robulus

APPLICABLE DEPARTMENT OF CONSERVATION ORDER  
SEND PERMIT TO: Watson Oil Corporation P.O. Box 4128 S'port, La.  
71104 BY: R. C. [Signature]  
(APPLICANT'S SIGNATURE)

APPROVED BY [Signature] DATE 12/9/75, 19 \_\_\_\_\_  
MGR., DIST. OFFICE

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_, 19 \_\_\_\_\_  
ISSUING AUTHORITY



M. O. Miller



WATSON OIL CORPORATION  
Dr. M. O. Miller No. 3  
GROUND ELEV. 1.5

PROPOSED PIPE LINE 266 FT. DUE SOUTH OF LOC.  
Proposed Road

WATSON OIL CORP.  
No. 2, Dr. M. O. Miller

WATSON OIL CORP.  
No. 1 Dr. M. O. Miller  
GR. EL. 1.5

FOREST OIL  
04  
EXIST. RD

WELL LOCATION.  
WATSON OIL CORPORATION  
Dr. M. O. Miller No. 3

From the Southwest Corner of Section 21, T. 15 S., R. 5 W., go East 1859.0 feet, thence North 1239.0 feet to the Location. Ground Elev. 1.5

We hereby certify that we staked the above Well Location as shown November 17, 1975. F. Shutts' Sons - Civil Engineers

WATSON OIL CORP.  
WELL LOCATION  
SECTION 21  
T. 15 S., R. 5 W.  
CAMERON PARISH, LA.

SCALE: 1" = 1000' NOVEMBER 17, 1975

F. Shutts' Sons  
Civil Engineers  
Lake Charles, La.

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

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WELL  
2#  
WORK PERMIT NO. 441-81

WELL SERIAL NO. 150765  
DATE WORK FINISHED (MM-DD-YY) 4/28/81

Rabe Charles DISTRICT

(Three Copies to be Filed with the District Office)

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

Field Crest Lake Parish Cameron Sec. 21 Twp. 15-S Rge. 5-W

Operator Western Oil Corp CODE Well Name M.O. Miller SWP Well No. 3

Total Depth 12800' Condition of Well Depleted

CHECK APPROPRIATE BOX:  
 29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301			3900'	3800'	25	Seaboard Pump
302	7"	2950'	3050'	2850'	70	Seaboard Pump
303			36'	6	15	Seaboard Pump
304						

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: Cut 10 3/4 pipe 4' below ground level and 1/2 steel plate on top.  
Jagged Cent plug with top weight @ 2850'

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

[Signature]  
WITNESS

Western Oil Corporation  
OPERATOR

(Signed) Bobby Kildner  
REPRESENTATIVE

150765

17 16  
20

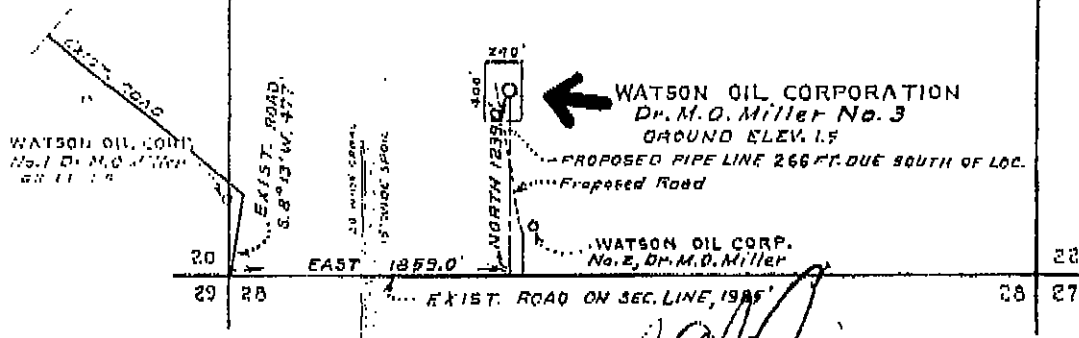
16 15  
22

FEB 02 1998  
Office of Conservation  
Well Files  
Baton Rouge, LA



21

M. O. Miller



WELL LOCATION.  
WATSON OIL CORPORATION  
Dr. M. O. Miller No. 3

From the Southwest Corner of Section  
21, T. 15 S., R. 5 W., go East 1859.0 feet,  
thence North 1239.0 feet to the Location.  
Ground Elev. 15

We hereby certify that we staked the  
above Well Location as shown November  
17, 1975. F. Shufft's Sons - Civil Engineers

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

WATSON OIL CORP.  
WELL LOCATION  
SECTION 21  
T. 15 S., R. 5 W.  
CAMERON PARISH, LA.

SCALE: 1" = 1000' NOVEMBER 17, 1975

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