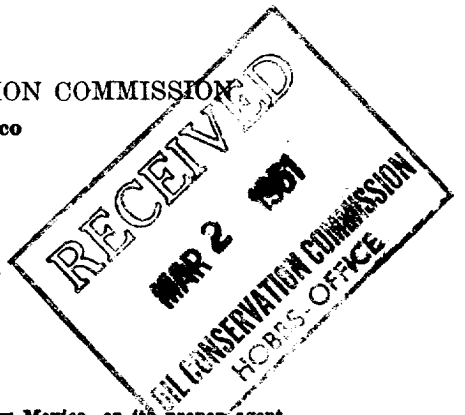
AREA 640 ACRES  
LOCATE WELL CORRECTLYNEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM O-105 IS PROPERLY FILLED OUT.



**Magnolia Petroleum Company** Box 727, Kermit, Texas  
Company or Operator Address  
**C. L. O'Brien** Well No. **1** in **NW/4** of Sec. **1**, T. **9-S**  
Lease  
R. **28-B**, N. M. P. M. **Unnamed Devonian** Field, **Chaves** County.  
Well is **660** feet south of the North line and **660** feet **East** of the **West** line of **Section 1**.  
If State land the oil and gas lease is No. Assignment No.  
If patented land the owner is **C. L. O'Brien**, Address.  
If Government land the permittee is, Address.  
The Lessee is **Magnolia Petroleum Company**, Address **Box 727, Kermit, Texas**.  
Drilling commenced **August 14**, 19**50** Drilling was completed **December 4**, 19**51**.  
Name of drilling contractor **Two State Drilling Company**, Address **1220 Kirby Bldg., Dallas, Tex.**  
Elevation above sea level at top of casing **3949** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19\_\_\_\_.

## OIL SANDS OR ZONES

No. 1, from **7253** to **7259** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS **See reverse**

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

## CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	OUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<b>13-3/8"</b>	<b>54.58</b>	<b>8 RT</b>	<b>1-55</b>	<b>675</b>	<b>House</b>				<b>surface</b>
<b>9-5/8"</b>	<b>368</b>	<b>8 RT</b>	<b>1-55</b>	<b>3400</b>	<b>House</b>				<b>intermediate</b>
<b>7"</b>	<b>268</b>	<b>8 RT</b>	<b>1-55</b>						
<b>7"</b>	<b>298</b>	<b>8 RT</b>	<b>1-55</b>	<b>7346</b>	<b>House</b>		<b>7253</b>	<b>7259</b>	<b>Oil string</b>

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>13 1/8"</b>	<b>13-3/8</b>	<b>675</b>	<b>600-65,200</b> <b>meat</b>	<b>Pump &amp; Plug</b>		
<b>12 1/8"</b>	<b>9-5/8</b>	<b>3400</b>	<b>1600-65,200</b> <b>wellite, 150 meat</b>	<b>Pump &amp; Plug</b>		
<b>8-3/4"</b>	<b>7"</b>	<b>7346</b>	<b>100-67,180</b> <b>100</b>	<b>Pump &amp; Plug</b>		

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters — Material \_\_\_\_\_ Size \_\_\_\_\_

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from **0** feet to **7666** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing **December 9**, 19**50**.  
The production of the first 24 hours was **270.9** barrels of fluid of which **100** % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be. \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_  
\_\_\_\_\_, Driller \_\_\_\_\_

## FORMATION RECORD ON OTHER SIDE

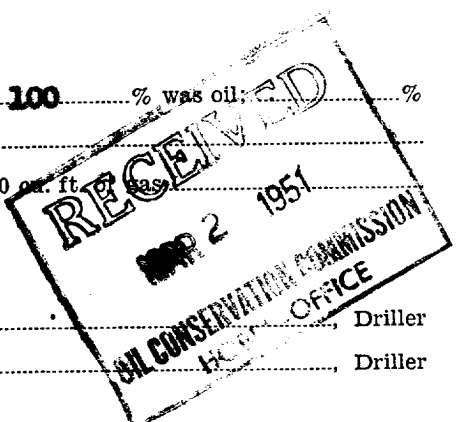
I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this **1st**day of **March**, 19**51**

Notary Public

My Commission expires **June 1, 1951**

**Kermit, Texas** **March 1, 1951**  
Place Date  
Name **M. A. R. Kelley**  
Position **District Superintendent**  
Representing **Magnolia Petroleum Company**  
Company or Operator  
Address **Box 727, Kermit, Texas**



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
			Drill out 2 stage tool. Tested w/2000# 30 min, no break. Drill out to 7347 tested 1500# 30 min, no break.
7346	7383	37	Line Dr. break 7378-7383 25-35 MP.
7383	7393	10	6-1/8" dia. core Sec. 9' 7383-85 finely crystalline to medium cry- stalline gray dolomite w/ streaks of calcite, 40-50% dull yellow fluorescence, strong sulphur odor, 7385- 93 finely crystalline to medium crystalline brown dolomite, w/strings of calcite solid dull yellow fluorescence w/gray shale partings, sulphur odor.
7393	7403	10	6-1/8" dia. core Sec. 10' 7393-98 finely crystalline gray dolomite trace of chert and sulphur odor, 7398-7403 medium cry- stalline gray dolomite, 30% chert, trace blue and yellow fluorescence, sulphur odor.
7403	7433	30	Line & chert
7433	7444	11	Line & chert streaks
7444	7454	10	Line & chert 1 1/2" @ 7444 7444-7454 dr. break, trace inter-crystalline porosity 10% blue fluorescence.
7454	7454	20	Drill stem test (Basal Montoya) 2 phrs. 2 hrs. 23 min. 5/8" BEC, 1" SC, no WC, no gas or fluid to surface, good blow air 2 1/2 hrs died. Sec. 6300' salt water, no show, SPT OF, HWP 500-2950# 15 min S-I HWP 2950#, RH 3200-3200
7454	7461	7	Dolomite
7461	7494	33	Line & chert
7494	7546	52	Line 1 1/2" @ 7526 Run Ellenberger 7540'
7546	7567	21	Line & chert streaks
7567	7584	17	Line & chert
7584	7584	50	Drill stem test Ellenberger, 2 phrs. 1 1/2 hrs. 5/8" BEC 1" SC, no WC no gas or fluid to surface Sec. 60' drlg. mid, no show, HWP 23# 15 min S-I HWP 2285, RH 3870-3820, weak blow air 6 min, died. 3 min, died.
7584	7608	24	Line & chert
7608	7626	8	Line
7626	7625	9	Line & chert 7610-25 Ellen. dolomite, trace inter-crystalline porosity and edge porosity no fluorescence or stain.
7600	7625	25	Drill stem test 2 phrs. 1 1/2 hrs. 5/8" BEC 1" SC, no WC, nothing to surface, sec. 40' drlg. mid no show, HWP 95-50 15 min S-I HWP 3995, RH 3870-3790, weak blow air 2 min, died, re-open weak blow air 3 min, died.
7625	7627	2	Line
7627	7658	31	Line & chert
7658	7659	1	Hard sand and chert Initiative top Granite 7658'
7659	7661	2	No formation logged & junk Rounded tight hole 7604-61
7661	7666	5	6-1/8" dia. core Sec. 5' granite
	7666		Total Depth
7345	7668	323	Run Schlumberger Electric Log.
6000	7678	1678	Run Land Wells Gamma Ray & Neutron Log.
	7308		Set Baker K C-I Retainer
7346	7666	320	Squeezed open hole w/225 sex reversed out 25 sex 1700#-4000#, Top of plug inside 7" @ 7300
	7300		Run Land Wells Gamma Ray & Neutron log, to check collar marker
7253	7259	6	Line Wells Perf. 7" OD casing, w/4 SPT Jet Run 2" tubing @ 7258

REC Potential Test:

Flowed 270.9 BO 24 hrs. 1/2" choke, GOR 1578/1, Gravity 54.2° @  
60°, S/O 2/10 of 15 BS no water, TP 675-750 CP 300-800, Ist.  
24 hr. capacity 271 BOPD thru 1/2" choke.