



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW 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 C-105 IS PROPERLY FILLED OUT.

The Ohio Oil Company Hobbs, New Mexico  
Company or Operator Address  
W. S. Marshall Well No. 2 in SW/4, SW/4 of Sec. 27, T. 21-S  
Lease  
R. 37-E, N. M. P. M., Drinkard Field, Lea County.  
Well is 4620 feet south of the North line and 4680 feet west of the East line of Sec. 27  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is W. S. Marshall, et al, Address Eunice, New Mexico  
If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_  
The Lessee is The Ohio Oil Company, Address Hobbs, New Mexico  
Drilling commenced December 8, 19 46 Drilling was completed January 19, 19 47  
Name of drilling contractor J. F. Postella, Address Odessa, Texas  
Elevation above sea level at top of casing 3430 DF feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

OIL SANDS OR ZONES

No. 1, from 5080' to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 6535' to 6580' No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

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	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>13-3/8</u>	<u>48</u>	<u>8 rd</u>	<u>Sale</u>	<u>295'</u>	<u>11. thd end</u>				
<u>8-5/8</u>	<u>32</u>	<u>8 rd</u>	<u>"</u>	<u>2806'</u>	<u>11" BOX</u>				
<u>5 1/2</u>	<u>17</u>	<u>8 rd</u>	<u>"</u>	<u>6544'</u>	<u>Baker Flg.</u>				
					<u>Equipment</u>				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>17"</u>	<u>13-3/8"</u>	<u>304'</u>	<u>250</u>	<u>Halliburton</u>		
<u>11"</u>	<u>8-5/8"</u>	<u>2800'</u>	<u>1500</u>	<u>"</u>		
<u>8"</u>	<u>5 1/2"</u>	<u>6507'</u>	<u>500</u>	<u>"</u>		

PLUGS AND ADAPTERS

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
		<u>Acid</u>	<u>2000 gal</u>	<u>1-29-47</u>	<u>6535-6580</u>	

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

Increased production from 107 b/o in 24 hrs to 530 b/o.

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 surface feet to 6580 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from none feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing February 1, 19 47.  
The production of the first 24 hours was 530 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be. 41.6-460  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

D. F. Garrett, Driller Roy Pugh, Driller  
A. L. Webb, 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 12th  
day of February, 19 47  
E. A. M. Bell  
Notary Public  
MY COMMISSION EXPIRES AUG. 19, 1947  
My Commission expires \_\_\_\_\_

Hobbs, New Mexico Feb. 12, 1947  
Name J. B. Stewart  
Position Superintendent  
Representing The Ohio Oil Company  
Company or Operator  
Address Box 1607- Hobbs, New Mexico

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	130	130	Caliche - Red Bed
130	200	70	Red Bed
200	280	80	Red Bed - Gypsum
280	310	30	Red Bed
310	689	379	Red Bed
689	840	151	Red Bed - Gypsum
840	1160	320	Red Bed
1160	1295	135	Anhydrite
1295	1475	180	Anhydrite - Red Bed
1475	1515	40	Anhydrite - Gypsum
1515	1553	38	Anhydrite - Salt
1553	1610	57	Anhydrite
1610	2380	770	Anhydrite - Salt
2380	2403	23	Anhydrite
2403	2582	179	Anhydrite - Gypsum
2582	2765	183	Anhydrite
2765	2795	30	Lime
2795	3335	540	Anhydrite
3335	3430	95	Anhydrite - Gypsum
3430	3506	76	Anhydrite
3506	3552	46	Lime
3552	3620	68	Lime - Anhydrite
3620	3649	29	Lime
3649	3679	30	Lime - Anhydrite
3679	5360	1681	Lime
5360	5390	30	Lime - Shale
5390	6580	1190	Lime

## DEVIATION SURVEY

Depth Taken	Degrees off Vertical
250	0
550	1 1/2
750	1 1/2
1000	0
1250	1 1/2
1500	2 1/2
1750	0
2000	1 1/2
2250	3/4
2500	1
2750	1
3000	1 1/2
3250	1 1/2
3500	1 1/2
3750	3 1/2
4000	2
4250	1 1/2
4590	2 1/2
4790	1 1/2
5000	1-3/4
5250	1
5500	1 1/2
5750	1
6000	1 1/2
6350	1

DRILL STEM TEST      S. MARSHALL WELL NO. 2

January 6, 1947

Took first DST from 5115' to 5144'. 5/8" bottom hole choke and 1" top choke. Tool open 45 min. Gas to surface in 15 min., clean 38 Gty. oil to surface in 17 min. Bottom hole mud weight 2600#. Bottom hole flowing pressure 750#. 15 min. shut in build up bottom hole pressure 1950#. Approximately 15 bbls. oil per hr. GOR 1000 :1

January 7, 1947

Took second DST from 5214' to 5293'. 5/8" bottom choke and 1" top choke. Tool open 1 hr. gas to surface in 4 min. Est. 300 MCF. Recovered 720' of oil and gas cut mud. 270' of salt water. Bottom hole mud weight 2650#. Bottom hole flowing pressure 400#, 15 min. bottom hole build up pressure 1800#.

1. ON THE 11TH FEBRUARY 1961

12 hole, all bearing 675 1/2 inch  
1: 12 hole, all bearing 675 1/2 inch  
In drill up bottom hole pressure 19300. Approximately  
Bottom hole flowing, pressure 19200. In this  
surface in 17 mile bottom hole was kept in 19300  
One to surface in 17 mile, pressure 19300. In this  
hole choke and 17 inch choke. Lost open 17 inch.  
Took time 17 inch choke 19300. In this  
12 hole, all bearing 675 1/2 inch

4000'. Is the bottom hole with 1 inch wire line.  
hole and running 2650'. Bottom hole showing  
oil and gas and 2650' of solid water. Bottom  
surface in 4 min. Set 300 MCH. Recovered 1000  
choke and 1" gas choke. Pool open 1 hr. Set 1  
Took second 181 from 2514' to 2530'. 2" bottom  
January 8, 1943