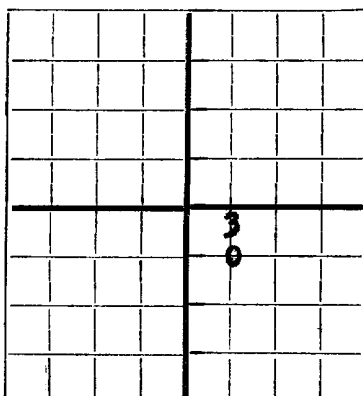


DUPLICATE

FORM C-105

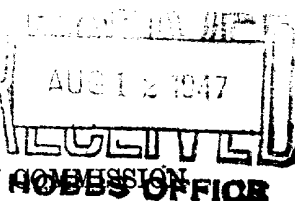
N



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.

**Amerada Petroleum Corporation** **Dravner D, Monument, New Mexico**  
Company or Operator Address  
**State DA** Well No. **3** in **NW 1/4 Sec. 16** T. **21S**  
Lease  
R. **37E**, N. M. P. M., **Drinkard** Field, **Lea** County.  
Well is **3300'** feet south of the North line and **1980'** feet west of the East line of **Shot. -16-21S-37E**  
If State land the oil and gas lease is No. **B-85** Assignment No. \_\_\_\_\_  
If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_  
If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
The Lessee is **Amerada Petroleum Corporation** Address **Box 2040, Tulsa 2, Oklahoma**  
Drilling commenced **July 4, 1947** Drilling was completed **August 8, 1947**  
Name of drilling contractor **McVay & Stafford** Address **Tulsa, Oklahoma**  
Elevation above sea level at top of casing **3459'** feet.  
The information given is to be kept confidential until **Not Confidential** 19 \_\_\_\_\_

OIL SANDS OR ZONES

No. 1, from **6524'** to **6629'** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ 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	
<b>13-3/8"</b>	<b>36# Slip Joint</b>	<b>Armo</b>	<b>213'</b>	<b>Regular</b>					
<b>8-5/8"</b>	<b>36 &amp; 32#</b>	<b>8-RT</b>	<b>Sals.</b>	<b>2807'</b>	<b>Float Shoe</b>				
<b>5-1/2"</b>	<b>15.5#</b>	<b>8-RT</b>	<b>Sals.</b>	<b>6630'</b>	<b>Float Shoe</b>		<b>6524'</b>	<b>6629'</b>	<b>Make Oil Well</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>17-1/4"</b>	<b>13-3/8"</b>	<b>213'</b>	<b>200</b>	<b>Halliburton</b>		
<b>11"</b>	<b>8-5/8"</b>	<b>2807'</b>	<b>1550</b>	<b>Halliburton</b>		
<b>7-3/8"</b>	<b>5-1/2"</b>	<b>6630'</b>	<b>500</b>	<b>Halliburton</b>		

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
		<b>Western Mud Acid</b>	<b>500 gals</b>	<b>8-8-47</b>	<b>6524'-6629'</b>	

Results of shooting or chemical treatment **Hall kicked off without being swabbed and in 22 hour test flowed 295.01 barrels oil, 1/10% water, on 1/4" positive choke. Gravity 39 corr. Gas volume 406,000 cu.ft.per day. Gas-Oil-Ratio 1262.**

RECORD OF DRILL-STEM AND SPECIAL TESTS

**See attached sheet, Ben Schlumberger Survey.**  
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 **6630'** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing **August 8, 1947**  
The production of the first **22** hours was **295.01** barrels of fluid of which **100** % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be **39.0**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

**C. H. Patterson**, Driller **F. H. Haase**, Driller  
**W. W. Huddleston**, 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 **9th.** day of **August**, 19 **47**  
**Will Haile Taylor**  
Notary Public  
My Commission expires **May 3, 1948**

**Monument, New Mexico** **August 9, 1947**  
Name **Walter James**  
Position **Perm. Boss**  
Representing **Amerada Petroleum Corporation**  
Address **Dravner D, Monument, New Mexico**

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	225'	225'	Caliche & Red Bed
225'	360'	135'	Red Bed
360'	865'	505'	Red Rock
865'	1085'	220'	Red Bed
1085'	1230'	145'	Red Rock & Sand
1230'	1390'	160'	Anhydrite
1390'	1670'	280'	Salt & Anhydrite
1670'	1940'	270'	Salt, Anhydrite & Potash
1940'	2177'	237'	Salt & Anhydrite
2177'	2460'	283'	Anhydrite & Salt
2460'	2507'	47'	Anhydrite & Lime
2507'	2770'	263'	Anhydrite
2770'	2812'	42'	Lime
2812'	2848'	36'	Lime
2848'	2950'	102'	Anhydrite & Lime
2950'	3050'	100'	Lime & Anhydrite
3050'	3304'	254'	Anhydrite & Lime
3304'	3504'	200'	Lime & shale
3504'	3579'	75'	Anhydrite & Lime
3579'	3600'	21'	Lime & shale
3600'	4220'	620'	Lime
4220'	4250'	30'	Sandy Lime
4250'	4326'	76'	Lime
4326'	4485'	159'	Broken Lime
4485'	4552'	67'	Lime
4552'	4560'	8'	Broken Lime
4560'	4616'	56'	Lime & Gyp
4616'	4719'	103'	Lime
4719'	4820'	101'	Lime & Gyp
4820'	5197'	377'	Lime
5197'	5431'	234'	Broken Lime
5431'	5476'	45'	Lime & Shale
5476'	5557'	81'	Lime
5557'	5627'	70'	Lime & Gyp
5627'	6588'	961'	Lime
6588'	6630'	42'	Broken Lime
6630'			Total Depth
6629'			Drilled Out Depth

SLOPE TESTS

185'	1/2 degree
336'	1/2 degree
580'	1/2 degree
913'	1/2 degree
1086'	1/2 degree
1235'	3/4 degree
1519'	1/2 degree
1750'	1/2 degree
2007'	1/2 degree
2311'	3/4 degree
2492'	1 degree
2625'	1 degree
2767'	3/4 degree
3033'	3/4 degree
3300'	1 degree
3450'	1 degree
3755'	1 degree
3895'	1 degree
4179'	Straight
4389'	Straight
4780'	Straight
5019'	Straight
5321'	Straight
5530'	1 degree
5831'	Straight
6074'	1 degree
6254'	1 degree

GEOLOGICAL TOPS

Elevation Derrick Floor	3469'
Elevation Ground	3459'
Top of Anhydrite	1260'
Top of Salt	1360'
Base of Salt	2458'
Top of Yates	2630'
Top of Glorietta	5190'
Top of Tubbs	6090'
Total Depth	6630'
Drilled Out Depth	6629'

RECORD OF DRILL STEM TESTS

8-3-47: 6588' Total Depth. Ran Drill Stem Test with packer set at 6524', 5/8" bottom choke, 1" top choke, perforations 6556' to 6580'. Tool open 8:00PM, closed 2:35AM. Gas to surface in 3 minutes, mud in 23 minutes, oil in 26 minutes. Turned into tanks and in first hour made 24.84 barrels oil, 2nd. hour made 24.84 barrels oil, 3rd. hour made 18.63 barrels oil, 4th. hour made 17.94 barrels oil, 5th. hour made 20.01 barrels oil and 6th. hour made 20.01 barrels oil. Total for 6 hours was 126.27 barrels oil, 2/10%BS, no water. Gas volume 453,000 cu.ft. per day. Gas-Oil-Ratio 899. Gravity 39.8 corrected. Recovered 400' of oil, no water, Hydrostatic pressure 3400#, flowing pressure 800#-1150#, settled on 900#, 15 minute build up pressure 2475#.

