

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Amerada Petroleum Corporation Monument, New Mexico
Company or Operator Address

Sarah Phillips Well No. 2 in NE SW of Sec. 33, T. 19
Lease

R. 37, N. M. P. M., Monument Field, Lea County.

Well is 1980' feet south of the North line and 1980' feet west of the East line of 33 - 19 - 37

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____ Address _____

If Government land the permittee is _____ Address _____

The Lessee is Amerada Petroleum Corporation, Address Tulsa, Oklahoma

Drilling commenced January 18, 1937 19____. Drilling was completed February 18, 1937 19____

Name of drilling contractor H.W. Bass Drilling Co., Address Dallas, Texas

Elevation above sea level at top of casing 3557' feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3876' to 3910' 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 None 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 FROM TO	PURPOSE
<u>12 1/2"</u>	<u>40#</u>	<u>8-Thd.</u>	<u>L.</u>	<u>178'2"</u>	<u>Texas Pattern</u>			
<u>8-5/8"</u>	<u>32#</u>	<u>8-Thd.</u>	<u>Smis</u>	<u>2564'4"</u>	<u>Baker Baklu</u>			
<u>6-5/8"</u>	<u>20#</u>	<u>10-Thd.</u>	<u>Smis.</u>	<u>3783'10"</u>	<u>Texas Pattern</u>			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>17 1/2"</u>	<u>12 1/2"</u>	<u>194'</u>	<u>200</u>	<u>Halliburton</u>		
<u>11"</u>	<u>8-5/8"</u>	<u>2557'</u>	<u>600</u>	<u>Halliburton</u>		
<u>7-7/8"</u>	<u>6-5/8"</u>	<u>3780'</u>	<u>100</u>	<u>Halliburton</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

Results of shooting or chemical treatment On Back of Page.

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 3910' feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 0 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing February 20, 1937, 19____.
The production of the first 3/3/37 hours was 325 barrels of fluid of which Pipe line oil. % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be 32.
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J.L. Fortenberry, Driller J.L. JoCoy, Driller
H.F. Ware, 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 11 Monument, New Mexico March 11, 1937
day of March, 1937 Name J. A. Starkey
Lewis A. Meiser Notary Public. Position Farm Boss

My Commission expires Dec. 21, 1940 Representing Amerada Petroleum Corporation
Address Monument, New Mexico
Company or Operator

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substructure.
18	138	120	Salliche and water sand.
138	407	269	Red bed. Set 12 1/2" csg. at 194' w/ 100 sacks.
407	625	218	Red bed and shells.
625	785	160	Red bed.
785	873	88	Red rock.
873	1012	139	Red rock and red bed.
1012	1162	150	Red rock and shells.
1162	1210	48	Red bed and sand.
1210	1285	75	Red rock and shale. Top of anhydrite 1285'.
1285	1301	16	Broken anhydrite.
1301	1378	77	Anhydrite.
1378	1391	13	Salt and broken anhydrite.
1391	1545	154	Salt and anhydrite shells.
1545	1590	45	Anhydrite.
1590	1660	50	Salt and anhydrite shells.
1660	1660	20	Salt.
1660	1690	30	Anhydrite.
1690	1717	27	Salt.
1717	1820	103	Salt and potash.
1820	2340	520	Salt and anhydrite shells.
2340	2470	130	Salt and potash.
2470	2491	21	Anhydrite. Base of salt 2478'.
2491	2500	9	Anhydrite and potash.
2500	2539	39	Anhydrite.
2539	2560	21	Anhydrite and potash. Set 8-5/8" csg. at 2557' w/ 600 sacks of cement.
2560	2614	54	Anhydrite.
2614	2687	73	Anhydrite and lime.
2687	2725	38	Anhydrite.
2725	2735	10	Anhydrite and gray lime.
2735	2776	41	Brown and gray lime.
2776	2870	94	Anhydrite and gray lime. Top of Monument line 2790'.
2870	3009	139	Gray lime.
3009	3090	81	Brown and gray lime.
3090	3144	54	Gray lime.
3144	3400	256	Lime.
3400	3426	26	Broken lime.
3426	3731	305	Gray lime. Gas show 3720'-31'.
3731	3765	34	Gray and Brown lime. Set 6-5/8" csg. at 3760' w/ 100 sacks.
3765	3789	24	Gray lime.
3789	3799	10	Gray and white lime.
3799	3815	16	Gray lime.
3815	3817	2	Brown lime.
3817	3910'	93	Gray lime.

Top of pay 3976'.

2/20/37 Total depth 3910'.
Set 2 1/2" upset tubing at 3897'. Swabbed dry. Treated w/ 2000 gallons of Dowell XX Acid. Acid started in under 1600# on tubing and 1900# on casing. Finished under 1800# on tubing and 2000# on casing. 24 barrels of flush oil went in under 2000# on tubing and casing. Set 6 hours. Swabbed dry. Very little gas. Reacidized w/ 3000 gallons of Dowell XX Acid. Acid started in under 820# on tubing and 1000# on casing. Finished under 1800# on tubing and 2000# on casing. 32 barrels of flush oil finished under 2000# on tubing and casing. Set 6 hours.

2/22/37 Swabbed approximately 10 bbls oil per hour. Re-acidized w/ 4000 gallons of Dowell XX Acid. Acid started in under 1000# on tubing and 1300# on casing. Finished under 1950# on tubing and 2000# on casing. Flushed with 2 barrels oil. Set 3 hours.

2/23/37 Swabbed 130 barrels oil on 12 hour test. 4 1/2 B.L. and 12 1/2 water. Pulled swab 4 to 5 times per hour.

2/24/37 Circulated w/ oil and pulled tubing. Shot with 180 quarts of Nitro, from 3815'-3910'. 3 1/2" shells. Oil made one head after shot.

2/25/37 Started in hole with drill pipe to clean out. Well started flowing and flowed 102 barrels oil by leads in 2 hours and 45 minutes. Through 2 1/2" opening in casing. Went in with drill pipe and cleaned out to bottom.

5/2/37 - 3910' Total depth. Set 3898' of 2 1/2" upset tubing. Reacidized w/ 4000 gallons Dowell XX Acid. Acid started in under 400# on tubing and no gauge on casing. Finished under 1000# on tubing and 100 barrels of flush oil finished under 1500#. Set 3 hours.

3/5/37 24 hours production 139 barrels. Clean oil. Very little gas.

3/10/37 3910' Total depth. Lime. Set 10 Williamson Flow Valves on 2 1/2" tubing. Packer set at 3750'.

4/10/37 Well flowed 325 barrels clean oil on 26 hour test. gas rate of 90,000.