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NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company _____ Address _____

Send correspondence to Amerada Petroleum Corporation Address Tulsa, Oklahoma.

J.A. Starkey Well No. _____ in Hobbs, New Mexico. T. _____

R. State F, N. M. P. M., 2 Oil Field NW 1/4 SW 1/4 36 19-S County.

36-E Monument Lea

If State land the oil and gas lease is No. B-869 Assignment No. _____

If patented land the owner is _____ Address _____

The lessee is Amerada Petroleum Corporation Address Tulsa, Oklahoma.

If not state or patented land, give status _____

Drilling commenced August 12, 19 35 Drilling was completed September 20, 19 35

Name of drilling contractor Noble Drilling Company Address Tulsa, Oklahoma.

Elevation above sea level at top of casing 3596' feet.

The information given is to be kept confidential until No request. 19 _____

OIL SANDS OR ZONES

No. 1, from 3791' to 3939' No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

None IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>12 1/2"</u>	<u>45</u>	<u>8</u>	<u>Weld</u>	<u>144'</u>	<u>T.P.</u>				
<u>9-5/8"</u>	<u>36</u>	<u>8</u>	<u>Seam.</u>	<u>2347'</u>	<u>Halliburton</u>				
<u>7"</u>	<u>24</u>	<u>10</u>	<u>Seam.</u>	<u>3798'</u>	<u>Halliburton</u>				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2"</u>	<u>158</u>	<u>150</u>	<u>Halliburton</u>		
<u>9-5/8"</u>	<u>2341</u>	<u>500</u>	<u>Halliburton</u>		
<u>7"</u>	<u>3785</u>	<u>100</u>	<u>Halliburton.</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED
0 3939'

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing September 24, 19 35
13 Hrs 10 Min 1050 98

The production at 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Fred Traugott Roy Manning

R.L. Forker _____, Driller _____, Driller

_____, 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 24 Name Amerada Petroleum Corporation

day of Sept, 19 35 Postion _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and sub structure.
18	155	137	Caliche
155	625	470	Red Bed
625	680	55	Red Bed And Lime Shells
680	700	20	Sand
700	730	30	Broken Lime
730	800	70	Red Bed And Shells
800	860	60	Sand And Shells
860	875	15	Red Rock & Shale
875	950	75	Red Bed & Shale
950	987	37	Red Bed And Gyp
987	1010	23	Red Bed And Sand
1010	1080	70	Anhydrite.
1080	1190	110	Shale & Anhydrite
1190	1275	85	Salt
1275	1330	55	Red Bed & Anhydrite
1330	1350	20	Anhydrite
1350	1420	70	Salt
1420	1440	20	Anhydrite and Potash
1440	1482	42	Salt
1482	1500	18	Salt And Anhydrite
1500	1742	242	Salt
1742	1920	178	Salt And Anhydrite Shells
1920	2452	532	Salt And Anhydrite
2452	2482	30	Anhydrite and Gyp
2482	2575	93	Anhydrite and Streaks of Gyp
2575	2579	4	Anhydrite
2579	2600	21	Anhydrite and Lime
2600	2632	32	Sandy Lime
2632	2665	33	Brown Lime
2665	2695	30	Anhydrite and Sand
2695	2712	17	Anhydrite
2712	2730	18	Anhydrite and Lime
2730	2742	12	Brown Lime
2742	2793	51	Brown Lime And Anhydrite.
2793	2827	34	Anhydrite
2827	2982	155	Anhydrite and Lime
2982	2990	8	Lime showing gas.
2990	2999	9	Anhydrite and Lime.
2999	3090	91	Brown Lime And Anhydrite.
3090	3240	150	Anhydrite and Lime
3240	3381	141	Lime
3381	3405	24	Anhydrite and Sand showing gas.
3405	3414	9	Anhydrite
3414	3450	36	Lime
3450	3500	50	Sandy Lime
3500	3520	20	Lime (Showing of gas)
3520	3791	271	Lime
3791	3801	10	Lime (Slightly Porous)
3801	3817	16	Lime (Odor and stain of oil)
3817	3902	85	Brown Lime
3902	3912	10	Brown Lime showing oil.
3912	3913	1	Lime-Soft.
3913	3915	2	Lime-Hard.
3915	3920	5	Lime-Soft-Good odor and stain of oil.
3920	3928	8	Lime-Hard.
3928	3936	8	Lime-Crystalline. Show of oil.
3936	3939	3	Lime-Sand.
	3939		Total depth.

Before acidizing this well showed very little oil and no gas. Sept. 13th a blanket was set in this well from 3862' to 3912' and well was treated with 1500 gals acid from 3801' to 3862'. Acid set 6 hours. Production after treatment was 31 barrels of oil in 5 hours. Blanket was again set in this well from 3862' to 3912' and well was treated with 2000 gals of acid. Acid set 6 hours. Production after treatment was 89 barrels of oil in 5 hours. On Sept. 16th blanket was removed from well and well was treated with 2000 gal. of acid. Acid set 6 hours. Production after treatment was 322 barrels of oil in 18 hours. Sept. 18th well was deepened from 3912' to 3939'. On Sept. 21st well was treated with 500 gals. acid. Acid set 6 hours. Acid was then swabbed from hole and well retreated with 3000 gals. of acid. Acid set 6 hours. Production after treatment was 1050 barrels of oil on 13 hours and 10 minutes. Gas 890,000.