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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 **Amerada Petroleum Corp.** Address ~~XXXXXXXX~~ **Tulsa, Oklahoma.**

Send correspondence to **J. A. Turkey** Address **Hobbs, N.M.**

Boon Hardin Well No. **3** in **N SW** of Sec. **18** T. **18s**

R. **36**, N. M. P. M., **Hobbs** Oil Field **Lea** County.

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

If patented land the owner is **Boon Hardin** Address **Hobbs, N.M.**

The lessee is **Amerada Pet. Corp.** Address **Tulsa, Okla.**

If not state or patented land, give status

Drilling commenced **Feb. 12, 1933** 19 Drilling was completed **June 10, 1933** 19

Name of drilling contractor **Noble Drilling Co.** Address **Tulsa, Oklahoma.**

Elevation above sea level at top of casing **3676** feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from **4071** to **4076** No. 4, from to

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

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

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	
12 1/2	50	8	Weld	225'	TP				
9 5/8"	36	8	Smls	2803'	Baker Float				
7"	24	10	"	4134'	Larkin Float				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2	225'	250	Halliburton		
9 5/8"	2803'	450	"		
7"	4134'	300	"	13# per gal	

PLUGS AND ADAPTERS

~~XXXXXXXX~~ Material **Cemented** Length **4180' - 4025'** Depth Set

Adapters—Material **Whipstock** Size **7" x 20' (top of whipstock 40005')**

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from **0** feet to **4180'** feet, and from **4005'** feet to **4085'** feet

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

PRODUCTION

Put to producing **June 11, 1933**, 19

The production of the first 24 hours was **504** barrels of fluid of which **99.5** % was oil; **.5** % emulsion; % water; and % sediment. Gravity, Be **35.0**

If gas well, cu. ft. per 24 hours **820 MCF** Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYES

George Menits, Driller **A. P. Cooper**, 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 **22** Name **J. P. Law**

day of **June**, 19**33** Postion **Field ~~Examiner~~ Clerk**

Bernard M. Stodghill Representing **Amerada Pet. Corp.**

Notary Public. Company or Operator

My commission expires **Dec. 21, 1934**

DUPLICATE

APPROVED BY J. E. **[Signature]**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	108	108	Surface Sand
108	112	4	Hard Shell
112	208	96	Sand & Shells
208	900	692	Red Beds Acid test 500' 1 degree off
900	1035	135	Red Beds & Sand Shells
1035	1200	165	Red Beds Acid test 1150' 1/2 off
1200	1245	45	Broken Sand
1245	1375	130	Broken Lime & Red Beds
1375	1460	85	Red Beds & Broken Sand
1460	1505	45	Anhydrite shells & Broken Sand
1505	1550	45	Anhydrite & Gyp
1550	1575	25	Anhydrite
1575	1585	10	Hard Sandy Lime
1585	1588	3	Hard Gray Lime
1588	1630	42	Anhydrite
1630	1640	10	Red Beds
1640	1720	80	Broken Anhydrite & streaks of shale acid test 1690' 1/2
1720	1750	30	Anhydrite & streaks of salt
1750	1850	100	Anhydrite
1850	2490	640	Salt
2490	2520	30	Salt & Anhydrite shells
2520	2600	80	Broken Anhydrite & salt
2600	2625	25	Anhydrite
2625	2765	140	Anhydrite & streaks of Red Bed acid test 2700' 1/2
2765	2858	93	Anhydrite
2858	2870	12	Broken lime
2870	2880	10	Lime
2880	2900	20	Sand (good show gas 2880')
2900	2920	20	Anhydrite & sand
2920	3030	110	Anhydrite & streaks red beds acid test 2975' 1
3030	3195	165	Anhydrite
3195	3215	20	Broken sand (small increase in gas)
3215	3605	390	Anhydrite acid test 3470' 1/2
3605	3695	90	Anhydrite & lime shells
3695	3814	119	Broken Lime & anhydrite
3814	3865	51	Anhydrite & sandy lime shells
3865	3890	25	xx Lime & streaks of pyrite
3890	3930	40	Sandy lime & anhydrite
3930	3980	50	gray lime
3980	4040	60	Lime & Broken sand
4040	4091	51	Gray lime
4091	4116	25	Broken sandy lime
4116	4134	18	Crystalline lime
4134	4160	26	"
4160	4163	3	Brown lime
4163	4166	3	Blue lime
4166	4180	14	Brown lime

Well blew out at 4116' while preparing to run 7" casing. Flowed oil at an estimated rate of 125 bbls at per hour for 5 hours, then went to sulphur water. Deepened to 4134' and pipe cemented. Drilled to 4160' tested sulphur water, no oil. drilled to 4180' and set packer at 4168' with perforations below. Tested sulphur water no oil. Cemented back to 4025' and set 20' whipstock. Milled thru pipe and drilled to 4065'. Made sulphur water for a time and then cleared up. Bailed small amount of oil. Drilled to 4180' and flowed clean oil at the rate of 504 bbls per day.

Below is the log after milling thru pipe:

4005	4012 ¹ / ₂	12 ¹ / ₂	Pipe
4012 ¹ / ₂	4014	1 ¹ / ₂	Blue lime
4014	4020	6	gray sand (show of oil)
4020	4040	20	Gray lime
4040	4058	18	Broken sandy lime
4058	4071	13	Gray lime
4071	4076	5	Brown lime (show of oil)
4076	4085	9	Broken brown & gray lime

3" upset tubing run to 4080'.