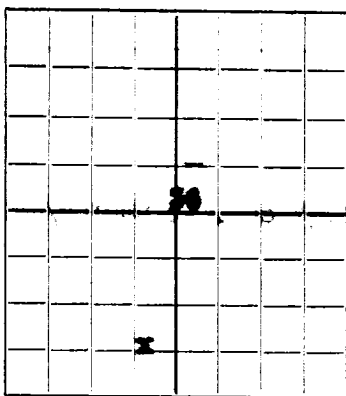


N.



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.

DUPLICATE

**Amerada Petroleum Corporation** State **TX**  
Company or Operator Lease  
Well No. **4** in **SE 1/4 SW 1/4** of Sec. **36**, T. **19**  
R. **36**, N. M. P. M., **Monument** Field, **Lea** County.  
Well is **600'** from south line **1980'** from west line  
feet south of the North line and feet west of the East line of **36 - 19 - 36**  
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 **April 9,** 19 **37** Drilling was completed **May 10** 19 **37**  
Name of drilling contractor **H. W. Bass Drilling Co.** Address **Dallas, Texas**  
Elevation above sea level at top of casing **3583'** feet.  
The information given is to be kept confidential until 19

## OIL SANDS OR ZONES

No. 1, from **3810'** to **3905'** 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
<b>1 1/2"</b>	<b>40#</b>	<b>8-Thd.</b>	<b>L.W.</b>	<b>192'5"</b>	<b>Texas Pattern</b>			
<b>8-5/8"</b>	<b>32#</b>	<b>8-Thd.</b>	<b>Sals.</b>	<b>2320'4"</b>	<b>Baker Bakblu</b>			
<b>6-5/8"</b>	<b>20#</b>	<b>10-Thd.</b>	<b>Sals.</b>	<b>3859'1"</b>	<b>Texas Pattern</b>			

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>1 1/2"</b>	<b>1 1/2"</b>	<b>308'</b>	<b>200</b>	<b>Halliburton</b>		
<b>11"</b>	<b>8-5/8"</b>	<b>2318'</b>	<b>600</b>	<b>Halliburton</b>		
<b>7-7/8"</b>	<b>6-5/8"</b>	<b>3809'</b>	<b>100</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>None</b>				

Results of shooting or chemical treatment

## 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 **3905'** feet, and from feet to feet  
Cable toops were used from **0** feet to feet, and from feet to feet

## PRODUCTION

Put to producing **May 10, 1937**, 19  
The production of the first **4** hours was **339** barrels of fluid of which **Pipe line Oil** % was oil: %  
emulsion; % water; and % sediment. Gravity, Be **52**  
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. JoCoy**, Driller **V.J. Marburger**, Driller  
**T.L. Fortenberry**, 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 **12** **Monument, New Mexico** **May 12, 1937**  
day of **May**, 19 **37** Name **J.L. Starky**  
**Lewis A. Mearns** Position **Sup't.**  
Notary Public Representing **Amerada Petroleum Corporation**  
My Commission expires **Dec. 21, 1940** Company or Operator.  
Address **Monument, New Mexico**

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substructure.
18	25	7	Caliche.
25	160	135	Caliche and sand.
160	249	89	Caliche and red bed. Set 1 1/2" csg. At 208' w/ 200 sacks
249	300	51	Hard sand.
300	442	142	Red bed and red rock.
442	585	143	Red bed.
585	616	31	Red bed and shells.
616	875	259	Red bed and red rock.
875	907	32	Hard sand.
907	950	43	Red rock and red bed.
950	981	31	Red rock.
981	1090	109	Anhydrite. Top of anhydrite 981'.
1090	1275	185	Red bed and anhydrite.
1275	1295	20	5 Red rock.
1295	1315	20	Anhydrite.
1315	1385	70	Red rock and anhydrite shells.
1385	1409	24	Anhydrite.
1409	1475	66	Anhydrite and salt.
1475	1700	225	Salt and potash.
1700	1715	15	Anhydrite.
1715	1800	85	Red rock and anhydrite.
1800	1835	35	Salt and potash.
1835	1885	50	Salt and anhydrite.
1885	1898	13	Anhydrite.
1898	2017	119	Salt and anhydrite shells.
2017	2040	23	Salt and potash.
2040	2090	50	Anhydrite and blue shell
2090	2242	152	Salt
2242	2310	68	Anhydrite. Base of salt 2242'.
2310	2316	6	Salt.
2316	2325	9	Anhydrite and salt.
2325	2332	7	Broken anhydrite.
2332	2364	32	Anhydrite. Set 8-5/8" csg. At 2318' w/ 600 sacks.
2364	2500	136	Gray lime.
2500	2515	15	Anhydrite.
2515	2595	80	Gray lime. Top of Monument Lime 2550'.
2595	2690	95	Brown and gray lime.
2690	2710	20	Brown lime.
2710	2827	117	Gray lime.
2827	2888	61	Brown and gray lime.
2888	2981	93	Brown and gray lime.
2981	3017	36	Brown and gray lime.
3017	3057	40	Gray lime.
3057	3090	33	Gray and brown lime w/ anhydrite.
3090	3132	42	Gray and brown lime.
3132	3155	22	Gray lime.
3155	3165	10	Brown shale, anhydrite and lime.
3165	3174	9	Brown lime and shale.
3174	3199	25	Brown and gray lime and anhydrite.
3199	3222	23	Gray lime.
3222	3274	52	Brown and gray lime.
3274	3285	11	Gray lime.
3285	3293	8	Hard sandy lime.
3293	3343	50	Lime.
3343	3405	62	Gray lime. Gas shows 3350'-62', 3385'-96'.
3405	3415	10	Brown lime. Gas shows 3396'-3405'.
3415	3519	104	Gray lime.
3519	3525	6	Brown lime.
3525	3653	128	Gray lime. Gas show 3570'-82'.
3653	3675	22	White and gray lime.
3675	3701	26	Gray lime.
3701	3722	21	Hard sandy lime. Showing gas.
3722	3732	10	Sandy lime. Showing gas.
3732	3738	6	Gray lime.
3738	3749	11	Sandy lime. Showing gas.
3749	3765	16	Gray lime.
3765	3804	39	Brown sandy lime.
3804	3814	10	Brown and gray lime.
3814	3905	91	Gray lime. Set 6-5/8" csg. At 3609' w/ 100 sacks.

Top of pay 3810'

3905' T.D. Gray lime. Set 2 1/2" upset tubing at 3900'. Swabbed in and flowed 362 barrels oil on 6 hour test. Hourly average of 60 barrels. Flowing through 1" open choke on 2 1/2" tubing. Gas volume at last of test 12,000,000'. Gas oil ratio 8287. Tubing pressure 600#. Casing pressure 1250#.

Killed well with water. Pulled tubing and re-run tubing with Robinson Rubber Packer (3 1/2" X 5" X 40") Packer was set at 3872' with perforations below. Swabbed in and flowed 339 barrels oil on 4 hour test. Hourly average of 84-3/4 barrels. Flowing through 1" open choke on 2 1/2" tubing. Gas volume the last hour of test 1,315,000. Gas oil ratio 644.