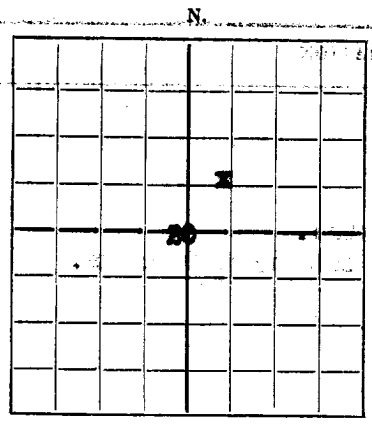
FORM C-105

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

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.

Amerada Petroleum Corporation (Company or Operator) State "MT" #5 (Lease)

Well No. 5 in SW¼ NE¼ of Sec. 20, T. 19

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 20 - 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 October 8, 1936. Drilling was completed November 13, 1936

Name of drilling contractor Two States Drilling Co, Address Dallas, Texas

Elevation above sea level at top of casing 3660' feet.

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

OIL SANDS OR ZONES

No. 1, from open Hole 3864' to 3997'. 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 FROM	PERFORATED TO	PURPOSE
12½"	40#	8-thd	L.Weld	1808.0'	Texas Pattern				
8-5/8"	32#	8-thd	Smls	2557'-4"	Baker				
6-5/8"	20#	10-thd	Smls	3870'-8"	Baker				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	12½"	196'	200	Halliburton		
11"	8-5/8"	2554'	300	Halliburton		
7-7/8"	6-5/8"	3864'	100	Halliburton		

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
			3000 gallons	11/15/36		
			2000 " "	11/17/36		

Results of shooting or chemical treatment After second acid job the well flowed 86 barrels clean oil on 6 hour test. Hourly average of 14 barrels. Well then flowed 229 barrels clean oil on 12 hour test. Hourly average of 19 barrels oil. Through 1" open choke. Gas volume of 191,000. Gas oil ratio 419.

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 3997' feet, and from _____ feet to _____ feet

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

PRODUCTION

Put to producing November 14, 1936, 19____

The production of the first 12 hours was 229 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

Buster Florence, Driller J. F. Ellis, Driller

W. G. Maxwell, 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 23 day of Nov., 1936

Patricia Mahoney
Notary Public

Monument, New Mexico (Place) November 18, 1936 (Date)

Name J. A. Stuckey

Position Farm Boss

Representing Amerada Petroleum Corporation

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substructure.
18	30	12	Rock.
30	140	110	Gravel and streaks of red bed.
140	202	62	Red bed. Set 12" csg. at 196' w/ 200 sacks.
202	455	253	Red rock and shells.
455	870	415	Red bed and red rock.
870	1018	148	Red rock and shells.
1018	1026	8	Red rock.
1026	1221	195	Red rock and red bed.
1221	1294	73	Red bed and shells.
1294	1355	61	Red rock.
1355	1405	50	Anhydrite and red rock. Top of anhydrite 1355'.
1405	1450	45	Anhydrite and lime.
1450	1461	11	Anhydrite.
1461	1480	19	Anhydrite, salt and potash.
1480	1636	156	Broken salt, red and blue shale.
1636	1642	6	Salt and anhydrite.
1642	1660	18 5	Anhydrite
1660	1731	71	Salt and anhydrite.
1731	1829	98	Anhydrite, salt and red rock.
1829	1953	124	Anhydrite shells, and salt.
1953	2151	198	Salt and anhydrite.
2151	2471	320	Salt and anhydrite. Base of salt 2471'.
2471'	2520	49	Anhydrite,
2520	2522	2	Anhydrite and salt shells.
2522	2537	15	Anhydrite.
2537	2540	3	Salt shells and anhydrite.
2540	2546	6	Anhydrite.
2546	2550	4	Anhydrite and salt shells.
2550	2654	104	Anhydrite. Set 8-5/8" csg. at 2554' w/ 500 sacks.
2654	2665	11	Brown lime. T
2665	2851	186	Anhydrite and lime. Top of monument lime 2770'.
2851	2890	39	Brown lime.
2890	2957	67	Lime and anhydrite.
2957	2988	31	Lime.
2988	3370	382	Lime and anhydrite.
3370	3562	192	Lime.
3562	3585	23	Gray lime.
3585	3649	64	Lime.
3649	3813	164	Gray lime. G s shows 3715'-28', 3747'-58', 3806'-09'.
3813	3818	5	Lime.
3818	3834	16	Broken lime.
3834	3866	32	Lime. Set 6-5/8" csg. At 3864' w/ 100 sacks.
3866	3873	7	Gray lime.
3873	3882	9	Lime.
3882	3889	7	Broken lime.
3889	3899	10	Gray lime.
3899	3918	19	Sand and lime.
3918	3925	7	Gray lime.
3925	3930	5	Gray sand.
3930	3955	25	Gray lime.
3955	3957	4	Brown lime.
3957	3961	4	Brown lime and sand.
3961	3971	10	Brown lime.
3971	3997	26	Broken lime and sand.

Top of pay 3875'.

11/15/38.
3997' Total depth. Gray lime. Set 3994' of 2⅛" upset tubing. Started swabbing and swabbed mostly water and very little gas. Lost swab in tubing. Pulled tubing and recovered swab. Re-run tubing and set at 3994'. Acidized w/ 2000 gallons of Dowell XX acid. Acid went in under Maximum of 1700# on casing and 1400# on tubing. Minimum of 1600# on casing and 1000# on tubing. Set 6 hours. Started swabbing and swabbed and flowed 119 barrels clean oil on 11 hours test. Daily gas rate of 121,000. Gas oil ratio of 460.

11/16/38
Well flowed 189 barrels clean oil on 24 hour test. Hourly average of 7 barrels flowing through 21/64" choke. Daily gas rate of 115,000. Gas oil ratio 600. Casing pressure 300# and no tubing pressure gauge.

11/17/38
Re-Acidized w/ 2000 gallons of Dowell XX acid. Acid started in under 180# on casing and 0# on tubing. Then dropped to 10" Vacumm on tubing. Started building up gradually. After 62 barrels of flush oil was pumped in casing pressure was 1500# and tubing pressure 1500#. Set 6 hours. Swabbed in and swabbed and flowed 86 barrels oil in 6 hours. Flowed 1 head of 5½ barrels during 1 hour. 2% B.S. and water. Very little gas.

11/18/38
Well flowed 229 barrels oil for 12 hours test. 2/10 of 1% B.S. and 4/10 of 1% water. Hourly average of 19 barrels oil. Flowing through 2⅛" tubing and 1" open choke. Daily gas rate of 191,000. Gas oil ratio of 419.