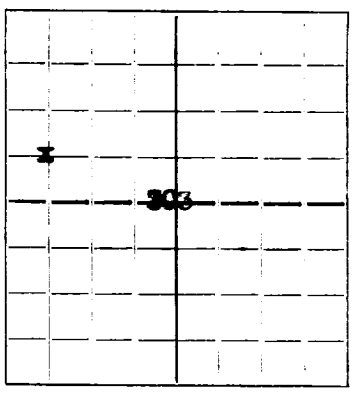
FORM C-105



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.

Emerada Petroleum Corporation — Company or Operator — State "J" — Lease

Well No. 4 in SW¼ of Sec. 30, T. 20 S.

R. 37 E., N. M. P. M., Eunice Field, Lea County.

Well is _____ feet south of the North line and _____ feet west of the East line of _____

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 Emerada Petroleum Corporation, Address Tulsa, Oklahoma

Drilling commenced March 5, 1937. Drilling was completed April 5, 1937

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

Elevation above sea level at top of casing 3533' feet.

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

OIL SANDS OR ZONES

No. 1, from 3735' to 3820' 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	PERFORATED TO	PURPOSE
12½"	40#	8-Thd.	I.	17.19'	Texas Pattern				
8-5/8"	32#	8-Thd.	Smls.	2540'7"	Baker B.K.L.				
6-5/8"	20#	10-Thd.	Smls.	3750'1"	Texas Pattern				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	12½"	194'	200	Halliburton		
11"	8-5/8"	2539'	300	Halliburton		
7-7/8"	6-5/8"	3750'	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
Acid jobs on back of page.						

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 3820' feet, and from _____ feet to _____ feet

Cable toops were used from 0 feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing April 5, 1937, 19____

The production of the first 24 hours was 94 barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, Be. 38.

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. F. Ellis, Driller Buster Florence, Driller

T. C. 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 22 day of April, 1937

Fort Worth, New Mexico (Place) April 22, 1937 (Date)

Name J. A. Stuckey

Position

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substructure.
18	58	40	Caliche, sand and shells.
58	160	102	Red bed and shells.
160	170	10	Sand rock.
170	420	250	Red bed. Set 194' of 12" Csg. w/ 200 sacks.
420	575	155	Red bed and shells.
575	887	312	Red bed.
887	1035	148	Red rock.
1035	1138	103	Anhydrite. Top of Anhydrite 1035'
1138	1324	186	Anhydrite and salt.
1324	1340	16	Anhydrite.
1340	2289	949	Salt and anhydrite.
2289	2312	23	Anhydrite.
2312	2400	88	Salt.
2400	2497	97	Salt and anhydrite. Base of salt 2479'.
2497	2636	139	Anhydrite. Set 2539' of 8-5/8" csg. w/ 500 sacks.
2636	2756	120	Lime. Top of Monument Lime 2740'.
2756	3028	272	Lime and anhydrite.
3028	3041	13	Brown lime.
3041	3086	45	Lime.
3086	3181	95	Brown lime.
3181	3820	639	Lime. Set 3735' of 6-5/8" csg. w/ 100 sacks.
			Top of pay 3735'.

4/3/37 3820' Total depth. Lime. Set 3815' of 2½" upset tubing.
4/4/37 Swabbed dry. Very little gas. Treated with 2000 gallons of Dowell XX Acid. Acid went in under Minimum pressure of 100# tubing pressure and 400# casing pressure. Maximum pressure 900# on tubing and 1200# on casing. Set 6 hours.

4/5/37 Swabbed hole in and it flowed 94.5 bbls oil the first 7 hours of test. Gas volume of 1,380,000. Gas oil ratio 4260. Pipe line oil. Flowing through 1" open choke on 2½" tubing.
4/6/37 Killed well and pulled tubing. Re-ran tubing with Robinson Rubber packer set at 3755' w/ perforations below. Swabbed down.
4/7/37 Re-acidized w/ 2000 gallons of Dowell XX Acid. Acid started in under 500# on tubing and 900# was held on casing. Maximum pressures were 1100# on tubing and 1500# on casing. Finished under 900# on tubing and 1350# on casing. 23 barrels of flush oil finished under 700# on tubing and 1200# oncasing. Set 3-1/4 hours. Swabbed in and flowed 105.3 barrels oil on 11-1/3 hour test. Through 1" open choke on 2½" tubing. Hourly average of 9.3 barrels. Gas volume 107,000. Gas oil ratio of 480. Well then died after flowing the 11-1/3 hours.

4/8/37 Re-acidized with 2000 gallons of Dowell XX Acid. Acid went in under Vacumm. 400# pressure held on casing. 50 barrels flush started in under 300# on tubing and 800# on casing. Finished under 750# on tubing and 1100# on casing. In 5-3/4 hours.
4/9/37 Well swabbed in after 11 hours. Began flowing and placed on 20/64" Choke. Made gas for 6 hours and then started flowing by heads (oil). Placed on 17/64" Choke and flowed 43.5 barrels oil on 9 hour test. Gas volume of 96,000. Tubing pressure 140#. Casing pressure 0#. Pipe line oil.

4/11/37 Re-acidized w/ 4000 gallons of Halliburton Acid. 3000 gallons of Acid went in under Vacumm. Last 1000 gallons built up to 1200# by end of flush of 32 bbls. Acid set 1 hours.

Well flowed 95 barrels pipe line oil on 24 hour test, through 3 /64" choke on 2½" tubing. Gas volume of 100,000. Gas oil ratio 1040. Tubing pressure 20#.