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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. FORM O-110 WILL NOT BE APPROVED UNTIL FORM O-105 IS PROPERLY FILLED OUT.

AREA 640 ACRES
LOCATE WELL CORRECTLY

SKELLY OIL COMPANY

Tulsa, Oklahoma

Company or Operator
E. A. Sticher
Well No. 3 in NW/4 SW/4 of Sec. 4, T. 22S

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

Well is 3450 feet south of the North line and 3450 feet west of the East line of Section 4-22S-37E.

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

If patented land the owner is E. A. Sticher, Address Eunice, New Mexico

If Government land the permittee is, Address

The Lessee is Skelly Oil Company, Address Tulsa, Oklahoma

Drilling commenced Sept. 21, 1946 Drilling was completed Dec. 19, 1946

Name of drilling contractor Coats & Foster Drilling Co., Address Lubbock, Texas

Elevation above sea level at top of casing 3447 feet.

The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 7881' to 8029' 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		PURPOSE
							FROM	TO	
13-3/8"	44.5	Welded	Armco	136'6"	Float				
9-5/8"	36	8Rd	Smis.	2868'10"	"				
7"	26	8Rd	Smis.	422'3"	"				
7"	23	8Rd	Smis.	7657'3"			7880	7995	Pay Zone.

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	13-3/8"	153'	150	Halliburton		
11 1/2"	9-5/8"	2860'	1400	Halliburton		
8 1/2"	7"	8030'	550	Halliburton		
Tubing 2"	BUE	8006'	Swung			

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

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 feet to feet, and from feet to feet

Rotary tools were used from Top feet to 8030' feet, and from feet to feet

PRODUCTION

Put to producing December 30, 1947

The production of the first 24 hours was 365 barrels of fluid of which 100% was oil;

emulsion; % water; and % sediment. Gravity, Be. 30°

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. D. Hamilton, Driller O. W. Coppedge, Driller

B. T. Rushing, 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 17th Hobbs, N.M. Feb. 17, 1947

day of February, 1947 Name

Notary Public Position District Supt.

Representing SKELLY OIL COMPANY Company or Operator

My Commission expires Address Drawer D, Hobbs, New Mex.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
Top	53	53	Sand & caliche
53	160	107	Shells, sand & red bed
160	527	367	Red bed
527	587	60	Shells, shale & red bed
587	677	90	Red bed & shells
677	760	83	Shale & shells
760	815	55	Shale & red bed
815	825	10	Shale & shells
825	904	79	Shale, shells & sand
904	1133	229	Shale & red bed
1133	1148	15	Shale, anhydrite & shells
1148	1178	30	Shale & anhydrite
1178	1235	57	Anhydrite
1235	1512	277	Anhydrite & salt
1512	1614	102	Salt, anhydrite & shells
1614	1768	154	Anhydrite & salt
1768	1951	183	Salt, anhydrite & shells
1951	2457	506	Salt & anhydrite
2457	2508	51	Anhydrite
2508	2595	87	Anhydrite & gypsum
2595	2680	85	Anhydrite
2680	2727	47	Anhydrite & gypsum
2727	2753	26	Anhydrite, lime & gypsum
2753	2774	21	Anhydrite & lime breaks
2774	2817	43	Anhydrite & gypsum
2817	2851	34	Anhydrite, gypsum & lime
2851	2860	9	Anhydrite & lime
2860	2935	75	Anhydrite
2935	2997	62	Anhydrite & gypsum
2997	3120	123	Anhydrite
3120	3310	190	Anhydrite & lime
3310	3369	59	Anhydrite
3369	3422	53	Lime
3422	3463	41	Lime & anhydrite
3463	3505	42	Shale & broken lime
3505	3572	67	Anhydrite & lime
3572	3599	27	Broken sandy lime & anhydrite
3599	3855	139	Lime
3855	3894	39	Lime & gypsum
3894	4406	512	Lime
4406	4488	82	Brown lime
4488	5628	1140	Lime
5628	5660	32	Lime & gypsum
5660	5985	325	Lime
5985	6035	50	Lime & gypsum
6035	6097	62	Lime
6097	6115	18	Hard lime
6115	6235	120	Lime & shale
6235	7013	778	Lime
7013	7027	14	Hard sandy lime
7027	7251	224	Lime
7251	7265	14	Lime & shale
7265	7355	90	Lime & shale streaks
7355	7373	18	Shale
7373	7413	40	Shale & lime
7413	7555	142	Shale, sand & lime
7555	7582	27	Shale
7582	7619	37	Shale, lime & shells
7619	7816	197	Shale
7816	7873	57	Lime
7873	7927	54	Lime & chert
7927	8027	100	Lime
8027	8030	3	Sand & granite

RECORD OF DRILL STEM TESTS:

DRILL STEM TEST NO. 1:

TD 5183', set packer 5126' w/ 57' anchor - 5/8" top opening and bottom hole choke. Tool open 3 hrs. 45 min. w/ light blow air for 2 hrs. 55 min. then light blow sweet gas next 50 min. Pulled drill pipe and recovered 180' of heavy oil and gas out mud, 270' of lightly oil and gas out mud and 1710' of salt water slightly gas out. Hyd. pres. 2400#, flowing pres. 1100# and 15 min. shut in bottom hole pressure 1800#.

DRILL STEM TEST NO. 2:

TD 6595', 110' anchor w/ packer 6485'. 5/8" bottom hole choke and top opening. Tool open 3 hrs. 11 min. gas to surface in 8 min., mud in 108 min., oil out mud in 112 min. and oil in 116 min. Next 75 min. flowed 16.80 bbls. oil out 2% BS & W. First 15 min. 4.98 bbls., next 15 min. 4.77 bbls., next 15 min. 2.07 bbls., next 15 min. 2.49 bbls. and last 15 min. 2.49 bbls. Gas measured 33.9 MCF per day. Pulled drill pipe and recovered 1200' oil and 360' of heavy oil and gas out mud - no water.