DUPLICATE

FORM C-105

4584

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED FEB 9 - 1940 HOBBS OFFICE

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.

N

AREA 640 ACRES
LOCATE WELL CORRECTLY

Skelly Oil Company — Tulsa, Oklahoma
Company or Operator — Address

H. O. Sims (Lease) Well No. 7 in C NE NW of Sec. 3, T. 23 S

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

Well is 660 feet south of the North line and [illegible] 1980 from W feet ~~west of the East~~ line of Sec. 3.

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

If patented land the owner is Hugh O. Sims, Address Eunice, N. Mex.

If Government land the permittee is ______, Address ______

The Lessee is Skelly Oil Company, Address Tulsa, Oklahoma

Drilling commenced Nov. 24, 1939 Drilling was completed Jan. 1, 1940

Name of drilling contractor J. C. Clower, Address Eunice, New Mexico

Elevation above sea level at top of casing 3307'. feet.

The information given is to be kept confidential until ______ 19__.

OIL SANDS OR ZONES

No. 1, from 3495' to 3571' — 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 145' to 182' feet.

No. 2, from 745' to 795' 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
16"	70	8	LW	81'3"					
13"	40	8	LW	420'0" (Pulled)					
10¾"	40	8	LW	[illegible]'4" (Pulled)					
8-5/8"	32	8	LW	1120'8" (Pulled)					
7"	26	10	SS	3435'10"					
Tubing									
2"	4.7	8	SS	3626'10"					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
18"	16"	89'	100	Halliburton		
8¼"	7"	3415'	250	Halliburton		
Tubing						
2"		3605'	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
	5"	Nitro Glycerin	270 Qts	1/3/40	3519-3605'	3606'.

Results of shooting or chemical treatment Increased production from 54 bbls per day to 190 bbls oil in 15 hours through 20/64 choke.

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

Cable tools were used from Top feet to 363[illegible]' feet, and from ______ feet to ______ feet

PRODUCTION

Put to producing Jan. 11, 1940

The production of the first ~~24~~ 15 hours was ~~24~~ 190 barrels of fluid of which 100 % was oil; ______ % emulsion; ______ % water; and ______ % sediment. Gravity, Be ______

If gas well, cu. ft. per 24 hours ______ Gallons gasoline per 1,000 cu. ft. of gas ______

Rock pressure, lbs. per sq. in. ______

EMPLOYEES

H. A. Masterson, Driller — H. J. Whitaker, Driller

F. H. French, 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 7 day of February, 1940

[illegible signature]
Notary Public

My Commission expires Dec. 10, 1940

Hobbs, New Mexico — Feb. 6, 1940
Place — Date

Name [illegible signature]

Position District Superintendent

Representing SKELLY OIL COMPANY
Company or Operator

Address Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
Top	[illegible]	22	Caliche & sand
22	41	19	Water sand
41	89	48	Red bed
89	143	54	Red shale
143	182	39	Water sand
182	223	41	Red sandy shale
223	275	52	Red shale
275	315	40	Blue shale
[illegible] 315	348	33	Brown shale
348	540	192	Red shale
540	560	20	Blue shale
560	580	20	Red shale
580	595	15	Blue shale
595	676	81	Red shale
676	690	14	Blue shale
690	745	55	Grey sandy shale
745	793	48	Water sand
793	817	24	Grey sandy shale
817	824	7	Water sand
824	860	36	Grey sandy shale
860	986	126	Red sandy shale
986	1163	177	Red shale
1163	1186	23	Anhydrite
1186	1189	3	Blue shale
1189	1250	61	Anhydrite
1250	1255	5	Salt
1255	1277	22	Anhydrite
1277	1295	18	Red shale
1295	1315	20	Anhydrite
1315	1392	77	Red shale & anhydrite
1392	1482	90	Red shale & salt
1482	1485	33	Anhydrite
1485	1506	21	Salt
1506	1545	39	Anhydrite, salt & potash
1545	1560	15	Salt & anhydrite
1560	1578	18	Salt & shale
1578	1608	30	Anhydrite & potash
1608	1631	23	Salt
1631	1720	89	Salt & Potash
1720	1831	111	Salt, shale & potash
1831	1852	21	Salt & potash
1852	1864	12	Anhydrite
1864	1882	18	Salt & anhydrite
1882	1900	18	Salt & potash
1900	1925	25	Anhydrite & potash
1925	2012	87	Salt
2012	2075	63	Salt & potash
2075	2100	25	Anhydrite
2100	2225	125	Salt & anhydrite
2225	2265	40	Salt
2265	2310	45	Anhydrite
2310	2355	45	Anhydrite & salt
2355	2455	100	Salt
2455	2589	134	Anhydrite
2589	2604	15	Brown lime
2604	2672	68	Lime & anhydrite
2672	2688	16	Lime, shale & anhydrite
2688	2840	152	Lime & anhydrite
2840	2875	35	Lime, anhydrite & shale
2875	3035	160	Lime & anhydrite
3035	3057	24	Brown lime
3057	3089	32	Anhydrite & lime
3089	3108	19	Brown lime
3108	3118	10	Lime & anhydrite
3118	3160	42	Brown lime
3160	3258	98	Lime & anhydrite
3258	3276	18	Brown lime
3276	3415	139	Lime & anhydrite
3415	3463	48	Lime, hard
3463	3491	28	Hard lime & anhydrite
3491	3495	4	Hard lime
3495	3496	1	Soft sand
3496	3505	9	Hard lime
3505	3521	16	Lime & sand
3521	3525	4	Hard lime
3525	3571	46	Lime & sand
3571	3608	37	Hard lime
3608	3637	29	Lime