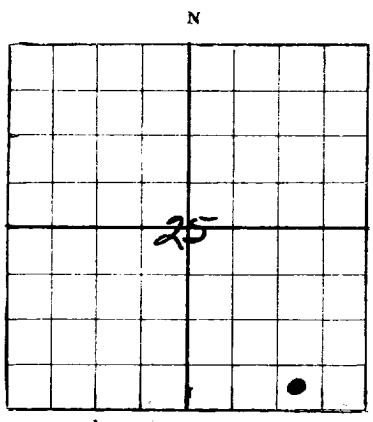
5.

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

SKELLY OIL COMPANY — Company or Operator — Tulsa, Oklahoma — Address

Mexico "C" — Lease — Well No. 1 in SE SE of Sec. 25, T. 16 R. 36, N. M. P. M. Lovington Field, Lea County.

Well is 4950 feet south of the North line and 990 feet west of the East line of Sec. 25.

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 Skelly Oil Company, Address Tulsa, Oklahoma

Drilling commenced August 9, 1945 Drilling was completed October 4, 1945

Name of drilling contractor Coats & Foster, Address Lubbock, Texas

Elevation above sea level 3846 feet. Derrick Floor

The information given is to be kept confidential until No restrictions 19____.

OIL SANDS OR ZONES

No. 1, from _____ to _____ 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
8-5/8"	32#	8R	SS H-40	2096'					
5½"	17#	8R	SS J-55	4629'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	8-5/8	2090	425	Halliburton		
	5½"	4600	425	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
See Remarks on reverse side for data on acid treatments.						

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 5060 feet, and from _____ feet to _____ feet

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

PRODUCTION

Put to producing November 16 19 45

The production of the first 24 hours was 24 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

_____, Driller C. M. Mills, Driller

_____, Driller Tom Wigley, 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 8 th day of December 19 45

Notary Public

My Commission expires Dec. 26, 1948

Hobbs, N. M. (Place) 12-8-45 (Date)

Name _____

Position _____ District Superintendent

Representing _____ Skelly Oil Company (Company or Operator)

Address _____ Drawer "D", Hobbs, N. M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	67	67	Caliche
67	524	457	Redbed
524	724	200	Redbed
724	929	205	Redbed
929	1138	209	Redbed
1138	1444	306	Redbed
1444	1659	215	Redbed
1659	1847	188	Redbed
1847	2080	233	Redbed
2080	2090	10	Anhydrite - Top Anhydrite 2080' Samples
2090	2100	10	Anhydrite - Ran 8-5/8" Csg. to 2090' set w/ 425' sacks cement
2100	2250	150	Anhydrite
2250	2395	145	Salt & Anhydrite
2395	3020	625	Salt & Anhydrite - Base Salt 3020' Samples
3020	3100	80	Anhydrite
3100	3190	90	Sand - Top Yates 3100' Samples
3190	3260	70	Anhydrite
3260	3280	20	Lime - Top Brown Lime 3260' Samples
3280	3655	375	Anhydrite
3655	4050	395	Anhydrite
4050	4150	100	Anhydrite & Lime
4150	4244	94	Lime
4244	4600	356	Dolomite & Anhydrite - Ran 5½" Casing to 4600' set w/ 425 sacks cement
4600	4670	70	Dolomite - Top San Andres 4670' Samples
4670	4695	25	Dolomite
4695	4833	138	Dolomite
4833	4956	123	Dolomite
4956	5000	44	Dolomite - Drilled to TD 5000' then ran 2" EUE tubing to 4990'. Then washed w/ 500 gal. mud acid. Then swabbed to clear up acid water and well tested very small amount of free oil. Then treated w/1000 gal. acid, from 4572 - 5000'. Swabbed to clear up of acid water and then swabbed 12 to 14 bbls pipe line oil per day. Pulled and reran tubing w/ formation packer set 4790' and Otis side-door choke. Treated from 4790' to 5000' w/ 1250 gal. acid. Swabbed to clear up acid water and on test made about one bbl. oil. Treated from 4600' to 4790' w/ 3000 gal. acid. Swabbed into pits to clear up and on test made 10 to 15 bbl. oil per day, however formation below 4790' was so tight it would not respond to acid treatment so decided to drill deeper.
5000	5060	60	Dolomite - Drilled to TD 5060' then ran 2" EUE Tubing to 5054' w/ packer set 5003'. Shut down 2 days to tear out Rotary. Then swabbed & tested at rate of one bbl. per day. Treated 5003 to 5060' w/ 1000 gal. acid. Tested and test showed formation 5003-5060' good for only about one bbl. oil per day. Then pulled and reran tubing to 5058' w/ perf. set 4768' and packer set 4562'. Swabbed to recover lead oil from formation 4600' to 4800' then treated 4600' w/ 6000 gal. acid. Swabbed to clear up acid water, then let stand 13 hours and then well swabbed and flowed 19 bbls oil with gas estimated at 15 MCF. Shut down to install pumping equipment. After pumping well several days production settled to 24 BPD.