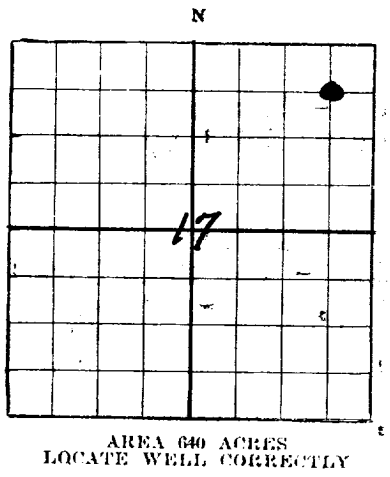
1463

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, Tulsa, Oklahoma
Company or Operator — Address

E. L. Steeler Well No. 2 in NE NE of Sec. 17, T. 22S
Lease

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

Well is 660 feet south of the North line and 660 feet west of the East line of Sec. 17-22S-37E.

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 11-15 1944 Drilling was completed 3-16 1945

Name of drilling contractor Davidson Drilling Co. Address Fort Worth, Texas

Elevation above sea level at top of casing 3339 feet.

The information given is to be kept confidential until _____ 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
13"	50#	8V	SS	350					
9-5/8"	40#	8R	SS	2570					
9-5/8"	36#	8R	SS	1425					
7"	24#	8R	SS	7181					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	13"	350	350	Halliburton		
12-1/4"	9-5/8"	2570	2000	Halliburton		
8-3/4"	7"	7200	600	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 SUMMARY - 15,000 gallons acid used in breaking various zones tested.						

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 7200 feet, and from _____ feet to _____ feet

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

PRODUCTION

Put to producing Dry Hole, 19____

The production of the first 24 hours was _____ barrels of fluid of which _____ % 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 J. S. Potter, Driller

_____, Driller J. C. Ray, 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 22nd. day of June, 1945

Notary Public

My Commission expires Dec. 26, 1948

Hobbs, N. M. June 22, 1945
Place Date

Name J. M. Yates

Position Dist. Supt.

Representing Skelly Oil Company

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

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	230	230	Caliche, Sand, Red Rock - Broken
230	255	25	Redbed - Set 13" OD Casing 255' w/ 250 sacks cement
255	1070	815	Red Rock
1070	1180	110	Anhydrite - Top Anhydrite 1070'
1180	1576	396	Salt, Anhydrite & Shells - Top Salt 1180'
1576	2260	684	Salt & Potash, Anhydrite, Gyp - Broken
2260	2306	46	Anhydrite - Top Cowden Anhydrite 2260'
2306	2460	154	Salt - Base Salt 2460'
2460	2650	190	Anhydrite
2650	2720	70	Sand - Top Artesa 2650'
2720	2800	80	Anhydrite
2800	3157	357	Anhydrite, Lime - Broken
3157	3475	318	Lime
3475	3575	100	Lime, Sandy - Top Sandy Lime 3475' (Queens)
3575	3676	101	Lime
3676	3715	39	Lime
3715	3730	15	Lime, broken
3730	3875	145	Lime
3875	3921	6	Lime - Ran 9-5/8" Casing. Set 3921' w/ 2200 sacks cement. Top San Andres 3875'
3921	4100	219	Lime
4100	4354	254	Lime
4354	4394	30	Brown Lime
4394	4413	19	Sandy Lime
4413	4693	280	Lime
4693	4720	27	Chert & Lime
4720	4823	103	Lime
4823	4843	20	Sandy Lime
4843	4983	140	Lime
4983	5070	87	Sandy Lime
5070	5140	70	Lime-Chert-Shale Broken - Top Glorietta 5070'
5140	5200	60	Lime - Top Tubbs 5140'
5200	5400	200	Lime
5400	5518	118	Lime & Shale
5518	5788	270	Lime
5788	5810	22	Lime & Gyp.
5810	5960	150	Lime
5960	5995	35	Lime & Anhydrite - Broken
5995	6801	806	Lime
6801	6838	37	Lime - Base Tubbs 6801'
6838	6320	82	Lime & Black Shale
6320	6560	240	Lime
6560	6746	186	Lime
6746	6760	14	White Lime
6760	6815	55	Lime
6815	6834	19	Lime & Shale
6834	6977	143	Lime
6977	6997	20	Lime & Shale
6997	7105	108	Lime
7105	7124	19	Lime & Sand
7124	7200	76	Lime - Drilled to TD 7200'. Ran Schlumberger Electric log, then ran & cemented 7" OD 23# casing @ 7200' w/ 570 sacks. Let stand 72 hrs. Tested O.K. Ran Lane Wells Gamma-Neutron Electric Log- and perforated 6514-6516 w/ 9 shots to further test cement job. O.K. - Perforated 6510-6530 w/ 240 shots. Treated w/2000 gal. acid & tested 10 bbls. salt water/ 2 per hr. after recovering oil load & acid water. Squeezed w/ total 150 sacks cement - did not shut off so resqueezed w/120 sacks. Shut off O.K. - Perforated 7040-7050 w/ 24 shots - Acidized w/2000 gal. & tested 7 bbls salt water per hr. after recovering oil load. Resqueezed perf. 6530-6630 w/60 sacks tested - no shut off. - Perforated 6555-6565 w/ 17 holes & squeezed 50 sacks cement. Tested Shut off O.K. - Set retainer & retreated section 7048-7058 w/ 2000 gal. acid. Tested Dry after recovering oil load & acid water. Squeezed 7048-7058 w/ 50 sacks cement & tested shut off O.K. Perforated 6630-6638 w/ 4 holes - Acidized w/1000 gal. tested 15 bbls. salt water & 1½ bbls. oil in 18 hrs swabbing. Tried to retreat but broke thru to perforation 6510-6630. Resqueezed 6510-6630 w/70 sacks. Perforated 6565-6570 w/ 56 holes & treated w/2000 gal.acid. Tested 18 bbls salt water in 18 hrs. swabbing after recovering oil load & acid water. Set retainer 6555' & squeezed 27½ sacks cement below. - Perforated 6510-6530 w/118 holes - swabbed very small amount oil - Treated w/ 2000 gal. acid-tested 1½ bbl. salt water & light color of oil. Set retainer @ 6400' and perforated 6448-6478 w/130 holes and treated w/ 2000 gal. acid. Tested & swabbed salt water, 4 bbls. per hr. - Set retainer @ 6400' and squeezed 75 sacks cement thru perforation 6448-6478- Perf. 6250-6260 w/2 holes) Tested Dry & built build 6208-6210 w/2 holes) up pressure 3700# on breakdown test of formation.
7200			Perforated 6240-6280 w/120 shots - treated w/1000 gal. acid -- swabbed dry after recovering oil load. Set retainer @ 6195' for plug -- and perforated 6128-30 w/10 holes. Set retainer 6100' & tested breakdown pressure down thru perf. 6128-6130 @ 2200#. -- Perforated 6137-6180 w/138 holes -- Treated w/2000 gal. -- Swabbed dry after recovering oil load & acid water. -- Having thoroughly tested all sections where samples showed possible stains -- Tools were shut down and well temporarily abandoned. Top of last retainer in 7" casing is 6195' for plug. Dry hole to present depth 7200' where temporarily abandoned.