FORM C-105

N

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.

TEXAS PACIFIC COAL AND OIL COMPANY (Company or Operator) P. O. Box 2110, Fort Worth 1, Texas (Address)

State New Mexico "A" Ac-1 (Lease) Well No. 13 in NE¼ of Sec. 14, T. 23-S

R. 36-E, N. M. P. M., Cooper-Jal Field, Lea County.

Well is 1980 feet south of the North line and 660 feet west of the East line of Section 14.

If State land the oil and gas lease is No. 2A Assignment No. A-983

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is _____, Address _____

Drilling commenced September 9, 1945 Drilling was completed October 9, 1945

Name of drilling contractor Spencer-Turner Co., Address Box 910, Midland, Texas

Elevation above sea level at top of casing ~~5870~~ feet.

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

OIL SANDS OR ZONES

No. 1, from none 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 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
12¼	50#			285'					
9-5/8	36			2837					
2	4.7			3524					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	12¼	285'	225			
	9-5/8	2837	200			
	2	~~3524~~	-			

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 (see other side)

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 3873 feet, and from _____ feet to _____ feet

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

PRODUCTION

Put to producing _____, 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 10,900 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Spencer-Turner, Driller _____, Driller

_____, 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 8th day of November, 1945

L. A. Hartung, Tarrant County, Texas
Notary Public

My Commission expires 6-1-47

Fort Worth, Texas (Place) November 8, 1945 (Date)

Name R. E. Schaefer

Position Agent

Representing TEXAS PACIFIC COAL AND OIL COMPANY (Company or Operator)

Address Fort Worth 1, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	60	60	Sand ; shells
60	90	30	Sand
90	285	195	Shale & shells
285	315	30	Shells & Red Bed
315	587	272	Red Bed
587	831	244	Red Bed & shale
831	1015	184	Red Bed & Rock , Shale
1015	1090	75	Red Bed & Shale
1090	1195	105	Red Bed, Shale & Shells
1195	1215	20	Red Bed & Shale
1215	1267	52	Anhydrite & Shale
1267	1300	33	Shale, Shell, & Anhydrite
1300	1330	30	Anhydrite
1330	1400	70	Red Bed, Salt & Shale
1400	1445	45	Anhydrite, Salt & Shell
1445	1590	145	Salt & Red Bed
1590	1642	52	Anhydrite & Shale
1642	1652	10	Anhydrite, Lime & Shale
1652	1735	83	Anhydrite & Salt
1735	1760	25	Anhydrite
1760	1925	165	Salt, Shale & Red Bed
1925	2056	131	Salt, Anhydrite, Potash, Shale
2056	2230	274	Anhydrite, Salt, Potash
2230	2320	90	Salt
2320	2345	25	Lime & Shale
2345	2360	15	Salt & Shale
2360	2440	80	Salt, Lime, Anhydrite & Shale
2440	2485	45	Anhydrite & Lime
2485	2575	90	Salt & Shale
2575	2595	20	Shale
2595	2610	15	Salt, Sandy Shale
2610	2700	90	Salt, Shale, Anhydrite
2700	2740	40	Salt & Shale
2740	2787	47	Red Bed & Shale
2787	2800	13	Anhydrite
2800	3060	260	Lime
3060	3070	10	Sand & Lime
3070	3115	45	Lime
3115	3135	30	Lime & Shale
3135	3145	10	Lime
3145	3160	15	Lime & Shale
3160	3180	20	Shale
3180	3270	90	Lime
3270	3295	25	Lime & Sand
3295	3510	215	Lime
3510	3530	20	Lime & Sand
3530	3595	65	Lime
3595	3610	15	Lime & Shale
3610	3615	5	Lime
3615	3620	5	Lime & Shale
3620	3640	20	Lime
3640	3653	13	Lime & Sand
3653	3755	102	Lime
3755	3775	20	Lime & Sand
3775	3803	28	Lime
3803	3810	7	Lime & Sand
3810	3873	63	Lime
	TOTAL DEPTH ----------		3873'

Plugged back from 3873' to 3511' with 120 sacks cement. Total depth after plugging back -------- 3511'.

DRILL STEM TEST - From 3302 to 3531', open 19 minutes. Blowed air immediately. Sweet gas in 5 minutes - drilling fluid in 8 minutes. No gauge on gas. Recovered 450' gas cut and fluid.

DRILL STEM TEST - From 3576 to 3715', open 1 hour, blowed air through out. Recovered 120' of slightly oil cut drilling fluid.

DRILL STEM TEST - From 3730 to 3810' open 1 hour and 20 minutes. Blow of air throughout, recovered 120' drilling mud, 90' of slightly oil cut mud, 360' black salty water, slightly sulphur oder.

Ran Schlumberger from 2838' to 3866' - October 15, 1945.