4792

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.

SOUTHERN UNION GAS COMPANY — 1104 Burt Building, Dallas, Texas
Company or Operator — Address

State — Well No. 4 — in NW¼SW¼ of Sec. 29, T. 17 South
Lease

R. 28 East, N. M. P. M., ~~Red Lake~~ Wildcat Field, Eddy County.

Well is 330 feet south of the North line and 990 feet west of the East line of Section 29

If State land the oil and gas lease is No. B-5084 Assignment No. -

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is _____, Address _____

Drilling commenced January 15 19 45 Drilling was completed February 16, 1945 19

Name of drilling contractor Brewer Drilling Company, Address Artesia, New Mexico

Elevation above sea level at top of casing 3698 feet.

The information given is to be kept confidential until _____ 19

OIL SANDS OR ZONES

No. 1, from ~~655~~ 780 to ~~630 Show O.& G.~~ Show Oil " " " No. 4, from 1885 to 1890 Oil & Gas

No. 2, from ~~1632~~ 1855 to ~~1835~~ 1870 Oil No. 5, from 1920 to Oil

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
8¼"	28#		O.D.	445'	Regular	None			Surface
7"	20#		O.D.	1729'	"	"			Producing
2" Upset Tubing				1907'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	8¼"	445'	50			
	7"	1729	100			

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
3"		Nitroglycerin	120 qts.	~~2-12-45~~	~~1840-1880~~	
2"		"		2-14-45	1880-1920	1920

Increased Flow Oil

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 1920 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 [illegible] 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

Earl Howell, Driller — M. C. Gracey, Driller

L. A. Early, 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 19th day of March 19 45

Arlene Rawls
Notary Public
ARLENE RAWLS
Notary Public, Dallas County, Texas
My Commission expires ~~My Commission Expires June 1, 1945~~

Dallas, Texas
Place — Date

Name [signature]

Position Engineer

Representing Southern Union Gas Company
Company or Operator

Address 1104 Burt Building, Dallas, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	5	5	Surface
5	25	20	Caliche
25	45	20	Red Bed
45	115	70	Red Shale
115	185	70	Red Shale and Anhy.
185	245	60	Anhy. and Red Shale
245	345	100	Anhydrite
345	390	45	
390	425	35	Anhydrite
425	455	30	Anhydrite and Red Shale
			Ran 445' of 8⅝" Casing, 50 sacks cement.
455	510	45	Anhydrite
510	565	55	Anhydrite and Shale
565	605	40	Anhydrite and Red Shale
605	625	20	Anhydrite
625	635	10	Lime
635	640	5	Shale - Show Oil and Gas 625-630
640	940	300	Anhydrite
940	1085	145	Anhydrite - Broken
1085	1133	48	Anhydrite
1133	1140	7	Red Sand, Broken
1140	1150	10	Red Sand, Broken
1150	1170	20	Red Sand
1170	1183	13	Anhydrite
1183	1200	17	Anhydrite, broken
1200	1235	35	Anhydrite
1235	1378	63	Anhydrite
1378	1388	10	Sandy Lime - gas
1388	1400	12	Lime - Broken
1400	1430	30	Anhydrite - Broken
1430	1465	35	Anhydrite - Broken
1465	1585	120	Anhydrite
1585	1610	25	Lime - Gray - Top of Lime 1585
1610	1725	115	Lime
1725	1730	5	Lime - Ran 1729' of 7" O.D. cemented with 100 sacks cement.
1730	1845	115	Lime - Show Oil and Gas 1832-1835
1845	1855	10	Sand - Oil and Gas
1855	1870	15	Lime - 600' of oil in hole
1870	1885	15	Lime
1885	1890	5	Lime - Sandy. Increase in Oil and Gas 1885-1890'
1890	1900	10	Lime
1900	1920	20	Lime - Shot well with 190 qts. nitroglycerin from 1840 to 1920. Used 3½" shells for 40'; 2½" shells for 40'
			Ran 1902' of 2" Upset Tubing