

Santa Fe, New Mexico 5

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.**

AREA 640 ACRES
LOCATE WELL CORRECTLY

Southern Union Production Company 1104 Bart Bldg., Dallas, Texas

Company or Operator E. M. McGrath Address 34
2 in SE 1/4 of Sec. 34, T. 30 North
 Lease 12 W. Fulcher Basin San Juan County.
 R. 990 North South 2310 East West Section 34
 Well is 990 feet south of the North line and 2310 feet west of the East line of
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is E. M. McGrath, Address Wichita Falls, Texas
 If Government land the permittee is _____, Address _____
 The Lessee is Southern Union Production Company, Address 1104 Hurt Bldg., Dallas Texas
 Drilling commenced November 1 19 44 Drilling was completed December 14 19 44
 Name of drilling contractor _____, Address _____
 Elevation above sea level at top of casing 5788 feet.
 The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

OIL SANDS OR ZONES			
No. 1, from	760	to	770 Show G.
No. 2, from	815 Show G.	to	
No. 3, from	1891	to	1910 Show G.
No. 4, from	1915	to	1963 Gas
No. 5, from		to	
No. 6, from		to	

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	330	to		feet.
No. 2, from	405	to	414	feet.
No. 3, from	455	to		feet.
No. 4, from		to		feet.

CASING RECORD

[illegible]

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"	505				5 sacks aquagel
	10"	799				5 sacks aquagel
	8-5/8"	1420				5 sacks aquagel
	5 1/2"	1891	60			10 sacks aquagel

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
		100% Solidified Nitroglycerin	54 qts.	12-13-44	1910-1963	1963

Results of shooting or chemical treatment	Increased Flow of Gas
1. 100% of the gas was recovered from the well. 2. 100% of the gas was recovered from the well. 3. 100% of the gas was recovered from the well. 4. 100% of the gas was recovered from the well. 5. 100% of the gas was recovered from the well. 6. 100% of the gas was recovered from the well. 7. 100% of the gas was recovered from the well. 8. 100% of the gas was recovered from the well. 9. 100% of the gas was recovered from the well. 10. 100% of the gas was recovered from the well.	1. 100% of the gas was recovered from the well. 2. 100% of the gas was recovered from the well. 3. 100% of the gas was recovered from the well. 4. 100% of the gas was recovered from the well. 5. 100% of the gas was recovered from the well. 6. 100% of the gas was recovered from the well. 7. 100% of the gas was recovered from the well. 8. 100% of the gas was recovered from the well. 9. 100% of the gas was recovered from the well. 10. 100% of the gas was recovered from the well.

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 0 feet to 1965 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 **2210 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D.H. Beasley, Driller Horton, Driller
C.A. Wilson, Driller Cooper, 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 29th
day of December 1944

Arlene Rawls
Notary Public
ARLENE RAWLS
 Notary Public, Dallas County, Texas
 My Commission expires June 1, 1948

Dallas, Texas December 28, 1944
Place Date

Name Paul Thompson
Position Engineer

Representing Southern Union Production Company
Company or Operator
Address 1104 Burt Bldg., Dallas, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	45	45	Cellar
45	50	10	Sand - Ran 35' of 15 1/2" Casing
50	90	40	Sand and Shale
90	100	10	Sand
100	125	25	Blue Shale
125	225	100	Sandy Shale
225	285	60	Blue Shale
285	310	25	Sandy Shale
310	360	50	Sand and Shale - Hole making little water at 330'
360	405	45	Blue Shale - 1/2 bailer water per hour
405	410	5	Blue Shale and Sand
410	450	40	Sand - 7 bailers water 405 to 414; 14 bailers at 455'
450	478	28	Sand and Shale
478	492	14	Blue Shale
492	500	18	Sand
500	510	10	Shale - hole caving - filling hole around 15 1/2" Csg. Ran 498' 3" of 13" Csg. - 4 sacks aquagel
510	515	5	Blue Shale
515	550	35	Hard Sand
550	570	20	Sandy Shale and Lime
570	585	15	Hard Sand - Took Out 14' 5" of 12" O.D. - Put in 21' 11" of 13" O.D. - aquagel
585	600	15	Hard Sand
600	605	5	Blue Shale
605	625	20	Sandy Shale
625	635	10	Grey Sand
635	685	50	Gray Shale
685	700	15	Sandy Shale
700	770	70	Blue Shale - Some Gas from 760 to 770 - Hole full of water
770	775	5	Hard Sand
775	785	10	Grey Shale
785	795	10	Sandy Shale
795	805	10	Blue Shale - Ran 799' of 10" Csg. 5 sacks aquagel
805	815	10	Blue Shale
815	820	5	Sandy Shale
820	825	5	Blue Shale
825	830	5	Dark Slate - Show of Gas at 815'
830	860	30	Sand - Gas
860	870	10	Gray Shale
870	875	5	Sand - Hard
875	995	120	Gray Shale
995	1010	15	Sand
1010	1040	30	Sand and Shale
1040	1060	20	Sand - Hard
1060	1095	35	Grey Sandy Shale
1095	1105	10	Gray Shale
1105	1120	15	Hard Sand - Grey - 1 1/2 bailers water per hour
1120	1130	10	Dark Slate
1130	1140	10	Grey Shale
1140	1155	15	Hard Slate
1155	1205	50	Slate Hard
1205	1240	35	Dark Slate
1240	1275	35	Grey Shale
1275	1315	40	Sand - Grey and Shale
1315	1340	25	Grey Shale
1340	1360	20	Hard Slate
1360	1400	40	Slate and Shells
1400	1420	20	Black Slate - Ran 1420' 8-5/8" O. D. Csg. 5 sacks aquagel
1420	1575	55	Grey Shale
1575	1580	15	Lime
1580	1640	60	Grey Shale
1640	1660	20	Dark Shale
1660	1685	25	Grey Shale
1685	1730	35	Shells and Shale
1730	1750	20	Dark Shale
1750	1785	35	Grey Shale
1785	1800	15	Dark Shale
1800	1832	32	Grey Shale
1832	1863	31	Coal and Shale
1863	1870	13	Shale and Cavings - Water
1870	1891	22	Shale - Gas. Ran 1891 feet 5 1/2" O. D. Csg. 60 sacks cement Pulling 8-5/8" Csg.
1891	1910	20	Sand - Little Gas from 1891 to 1910
1910	1915	5	Sand, hard and sharp. Tested 45" thru 8" at 1915' 1020 MCF
1915	1922	7	Sand, hard and sharp. - Tested 1410 MCF at 1922
1922	1965	43	Sand and Shale - Halliburton Correction 1965' Total Depth - Tested 1550 MCF
1965			Shot well with 55 qts nitro from 1910 to 1965' tested 2110 MCF.