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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES
LOCATE WELL CORRECTLY

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 PRODUCTION COMPANY

1104 Burt Building, Dallas 1, Texas

Company or Operator Florence A. Battler Address 87 Fort Pleasant Ave. Springdale, Mass.

Well No. 1 in NE 1/4 of Sec. 2, T. 29 N.

R. 12 W. N. M. P. M. Fulcher Basin Field, San Juan County.

Well is 990 feet south of the North line and 1650 feet west of the East line of Sec. 2

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is Florence A. Battler Address 87 Fort Pleasant Ave. Springdale, Mass.

If Government land the permittee is _____ Address _____

The Lessee is Southern Union Production Company Address 1104 Burt Bldg., Dallas, Tex.

Drilling commenced January 26 19 45 Drilling was completed March 9 19 45

Name of drilling contractor _____ Address _____

Elevation above sea level at top of casing 5854.7 feet.

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

OIL SANDS OR ZONES

No. 1, from 1967-Gas to 2000 - Gas No. 4, from 2069-Gas to _____

No. 2, from 1979 to 2000 - Gas No. 5, from _____ to _____

No. 3, from 2008 to 2014 - Gas No. 6, from _____ to _____

No. 3, from 2045 to 2058 - Gas 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 405 to 425 feet.

No. 2, from 475 to 505 feet.

No. 3, from 830 to 845 feet.

No. 4, from 905 to 910 feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
15"	60		O.D.	47'	Regular	None			Surface
12 1/2"	50		O.D.	504'	"	All			Drilling
10"	40		O.D.	845'	"	All			Drilling
8 1/2"	35		O.D.	1453'	"	All			Drilling
5 1/2"	14		O.D.	1980	"	None			Producing
1" Siphon Line				2070'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
6"	5"	1960'	50			8 sacks aquagel
12"	10"	845'				2 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
6"		Nitroglycerin	40 qts.	3-7-45	1980-2070	1059

Results of shooting or chemical treatment Increased gas production, 1350 MCF before shot; 1750 MCF after shot.

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 2069 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 1750 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. O. Newton Driller C. A. Beasley Driller

J. A. Luther Driller Wilson 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 20th March 19 45

Place Dallas Date Texas

Name Law Thompson

Arlene Rawls Notary Public

My Commission expires _____

Notary Public, Dallas County, Texas

My Commission Expires June 1, 1945

Position _____

Representing Southern Union Production Company

Company or Operator _____

Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	15	15	Cellar
15	18	3	Gravel and Boulders
18	46	28	Sand and Gravel
46	57	11	Red Sand - Set 47'8" 15" Pipe
57	80	23	Shale
80	110	30	Sand
110	125	15	Hard Sand
125	150	25	Hard Sand
150	160	10	Shale - Blue
160	195	35	Sand
195	270	75	Shale
270	275	5	Sand
275	295	20	Hard Sand
295	310	15	Blue Shale
310	380	40	Shale
380	370	20	Hard Sand
370	380	10	Shale
380	425	45	Sand - Hard - 2 bailers water at 405 to 425'
425	460	35	Sand and Shale
460	475	15	Shale
475	505	30	Shale- Hole making water and caving Ran 504'5" 12" casing
505	520	15	Hard, Gray Sand
520	540	20	Sand - Water
540	560	20	Sand
560	575	15	Shale
575	580	5	Shale
580	620	40	Sand - Hard
620	630	10	Shale
630	640	10	Shale
640	685	45	Rock Mountain Hard Conglomeration
685	710	25	Sand, Sharp, Hard
710	745	35	Shale
745	770	25	Shale
770	800	30	Gray Slate
800	820	20	Gray Shale - Hole Caving
820	830	10	Gray Shale
830	845	15	Gray Shale - Hole caving - Hole full of water Ran 845'10" of 10" Casing - 2 sacks aquagel
845	895	50	Gray Shale
895	905	10	Sand - Hard
905	910	5	Shale - HW
910	915	5	Shale - Took out 20' 4" of 10" Cag.; put in 24'10" total 10-inch 846'6"
915	965	50	Shale
965	995	30	Hard Slate
995	1040	45	Shale
1040	1080	40	Shale and Shells
1080	1105	25	Shale
1105	1125	20	Shale and Shells
1125	1210	85	Shale
1210	1260	50	Shale
1260	1310	50	Shale and Shells
1310	1355	45	Shale
1355	1400	45	Shale and Shells
1400	1455	55	Shale - Ran 1453' 3" of 8" Cag.
1455	1600	145	Shale
1600	1640	40	Shale
1640	1690	50	Shale and Shells
1690	1750	60	Caving
1750	1795	40	Gray Shale
1795	1805	10	Dark Shale
1805	1810	5	Gray Shale
1810	1870	60	Shale, black, gray
1870	1900	30	Shale and Cavings
1900	1925	25	Shale
1925	1960	35	Coal - Bottom Hole 1960' by Halliburton Ran 1960' of 5" Cag., eight sacks aquagel, 50 sacks cement.
			Pulling 8" Cag.
			Pulling 10" Cag.
			Pulling 12" Cag.
1960	1970	10	First Gas at 1967'
1970	1979	9	Sand and Shale
1979	2000	21	Sand - Little more gas 1979 to 2000'
2000	2015	15	Sand and Shale
2015	2020	5	Shale
2020	2045	25	Sand and Shale - Increase in gas 2008-2014 - Tested 1,400 MCF
2045	2065	10	Shale
2065' - Halliburton line			Show well with 40 qts. nitro; top show 1980'; bottom shot 2020' - 2" shells
			Ran 2020' of 1" siphon line - set one jet at 100 feet, one at 600 feet off bottom.