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OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO.
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FORM C-105

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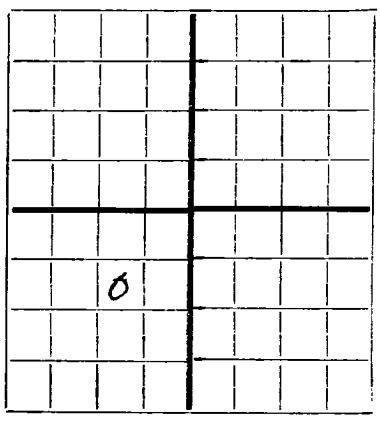

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Southern Union Production Company, 1104 Burt Building, Dallas 1, Texas
Company or Operator — Address

Mangum Well No. 2 in NE SW of Sec. 28, T. 29- North
Lease

R. 11 West, N. M. P. M., Kutz Canyon Field, San Juan County.

Well is 1650 feet North of the South line and 1650 feet East of the West line of Section 28.

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

If patented land the owner is Joe Mangum, Address Bloomfield, New Mexico

If Government land the permittee is ....., Address .....

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

Drilling commenced June 19 19 47. Drilling was completed July 20 19 47

Name of drilling contractor company, Address .....

Elevation above sea level at top of casing 5438 feet.

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

OIL SANDS OR ZONES

No. 1, from 630 to 635 (Gas) No. 4, from 1559 to 1560 (G)
No. 2, from 670 to 680 (G) No. 5, from 1570 to 1580 (G)
No. 3, from 690 to 710 (O) No. 6, from 1585 to 1625 (G)

IMPORTANT WATER SANDS

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

No. 1, from 300 to 305 feet. Hole full
No. 2, from 630 to 635 feet. 1 bailer per hour
No. 3, from 790 to 795 feet. increase
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
15½"	60#		43'	43'	Baker Texas Pattern				surface
13 3/8"	90#			470'					intermediate
10 3/4"	40#			865'					"
5½"	14#			1540'					production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
	15½"	43'	10			Aquagel - 4 sacks
	10 3/4	865'				" 2
	8 5/8"	1175'				" 3
	5½"	1540'	30	Halliburton		" 10

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
	Nitro Glycerine		61 qts.	7-18-47	60 feet	103 feet

Results of shooting or chemical treatment Tested 2180 m.c.f. before shot and 3,500 m.c.f. 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 1625 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 3,500 m.c.f. Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 454

EMPLOYEES

Morgan, Driller Smith, Driller
Dallas, Driller Fortner, 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 1st day of August, 19 47

Dallas, Texas (Place) August 1, 1947 (Date)

Name Van Thompson

Position Chief Engineer

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	45	45	Sand Boulders
45	50	5	Sand
50	70	20	Blue Shale
70	105	35	Blue Shale
105	120	15	Blue Shale
120	140	20	Sand Rock
140	145	5	Blue Shale
145	165	20	Blue Shale
165	175	10	Brown shale
175	190	15	Gray shale
190	225	35	Blue shale
225	245	20	Sand shells and shale
245	325	80	Sand
325	345	20	Blue shale
345	355	10	Sand
355	370	15	Blue shale
370	390	20	Sand
390	440	50	Sand
440	455	15	Shale
455	470	15	Blue shale
470	485	15	Blue shale
485	525	40	Gray shale
525	540	15	Gray shale
540	550	10	Sand
550	565	15	Blue shale
565	590	25	Blue shale
590	610	20	Sand
610	645	35	Sand
645	670	35	Blue shale
670	680	10	Sand
680	685	5	Sand
685	690	5	Black slate
690	700	10	Green slate, sand shells
700	730	30	Gray shale
730	755	25	Blue shale
755	780	25	Blue shale
780	790	10	Gray shale
790	855	65	Sand
855	920	65	Blue shale
920	930	10	Gray shale
930	945	15	Sand
945	965	20	Sandy shale
965	995	30	Blue shale
995	1030	35	Gray shale and sand shells
1030	1125	95	Blue shale
1125	1140	15	Gray shale
1140	1255	115	Blue shale
1255	1285	30	Brown shale and sand shells
1285	1300	15	Blue shale
1300	1315	15	Brown shale
1315	1325	10	Shale and sand shells
1325	1340	15	Gray shale
1340	1390	50	Shale and sand shells
1390	1470	80	Shale and sand shells
1470	1490	20	Broken sand and shale
1490	1510	20	Sand
1510	1525	15	Dark shale - sand breaks
1525	1530	5	Coal
1530	1535	5	Shale
1535	1542	7	Coal
1542	1545	3	Sand
1545	1560	25	Sand
1560	1570	10	Blue shale
1570	1580	10	Sand
1580	1590	10	Sand
1590	1605	15	Sand
1605	1610	5	Sand
1610	1620	10	Blue shale
1620	1625	T.D.	