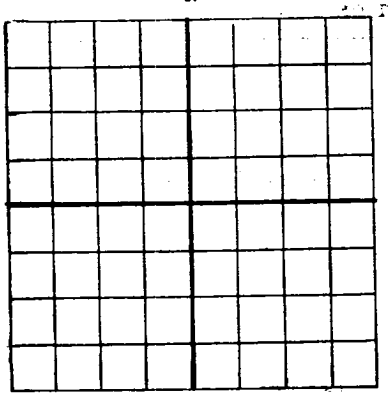
FORM C-105

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.



AREA 640 ACRES
LOCATE WELL CORRECTLY

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

E. M. McGrath Well No. 3 in NW¼SE¼ of Sec. 3 T. 29 North
Lease

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

Well is 1650 feet South of the North line and 1650 feet West of the East line of Sec. 3

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 Burt Bldg., Dallas, Texas

Drilling commenced March 4 19 45 Drilling was completed April 8 19 45

Name of drilling contractor Address

Elevation above sea level at top of casing 5845 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 815 to Show of Gas No. 4, from 2040 - Gas to

No. 2, from 865 to 880 " " No. 5, from to

No. 3, from 1928 to 1950 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 375 - Water to feet.

No. 2, from 425 to 495 feet.

No. 3, from 500 - Water 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
13-3/8	50#		O.D.	675'	Regular	All			Surface
8-5/8	32#		O.D.	1460'	"	All			Drilling
7	20#		O.D.	1850'	"	All			Drilling
5½	14#		O.D.	1928'	"	None			Producing

MUDDING AND CEMENTING RECORD

HOLE	CASING	WHERE SET	OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	13-3/8"	675'				2 sacks Aquagel
10"	8-5/8"	1460'				4 sacks aquagel
8"	5-1/2"	1928'	50	Halliburton		8 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

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 2040 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 600 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 529 pounds

EMPLOYEES

J. F. Smith Driller Bill Powell Driller

G. D. Noland 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 24th day of April 19 45

Arlene Rawls
Notary Public

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

Dallas, Texas April 24, 1945
Place Date

Name Van 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	25	25	Spudding
25	40	15	Shale
40	95	55	Blue Shale
95	125	30	Gray Shale - Lime Shells
125	180	55	Blue Shale
180	200	20	Gray Shale
200	250	50	Gray Sandy Shale
250	300	50	Gray Sandy Shale
300	355	55	Sandstone
355	425	70	Sand - Water at 375' - 3 bailers
425	495	70	Sandstone - 5 bailers water
495	540	45	Sand
540	545	5	Shale - 20 bailers water at 500'
545	550	5	Shale
550	600	50	Sand and gravel
600	640	40	Sand
640	662	22	Sand
662	670	8	Gray Shale
670	675	5	Sandy Shale
675	700	25	Gray Shale - Set 675' of 13-3/8" Cag. - 2 sacks
700	705	5	Gray Shale
705	720	15	Lime
720	770	50	Gray Shale
770	808	38	Gray Shale
808	845	40	Gray Sandy Shale - Gas Show at 815 feet
845	865	20	Sandy Shale - Gray
865	880	15	Sand - Show of Gas
880	890	10	Slate
890	920	30	Sand - Gas
920	930	10	Dark Slate
930	955	25	Blue Shale
955	1030	75	Gray Shale
1030	1040	20	Gray Shale
1040	1050	10	Sand - Dry
1050	1070	20	Gray Shale
1070	1108	38	Gray Shale
1108	1175	67	Gray Shale
1175	1185 6	10	Sand
1185	1210	25	Dark Shale
1210	1280	70	Sand
1280	1320	40	Dark Shale
1320	1365	40	Sandy Shale
1365	1420	55	Dark Shale
1420	1460	40	Brown Shale - Ran 1460' of 8-5/8" Cag. - 4 sacks of aquagel
1460	1470	10	Gray Shale
1470	1520	50	Dark Shale
1520	1575	55	Dark Shale
1575	1790	215	Dark Shale
1790	1800	10	Lime and Sand
1800	1840	40	Dark Shale
1840	1900	60	Dark Shale
1900	1910	10	Coal - Set 1850' of 7" O.D. Cag.
1910	1928	18	Set 1928' of 5½" O.D. Cag. with 50 sacks cement, 8 sacks aquagel

1928	1950	22	Sand - Gas
1950	1960	10	Sand
1960	1975	15	Sandy Shale
1975	1976	1	Sand
1976	1979	3	Blue Shale
1979	1994	15	Light Shale
1994	2003	9	Sandy Grey Shale
2003	2013	10	Sand
2013	2023	10	Sand and Shale
2023	2040	17	Sandy Shale