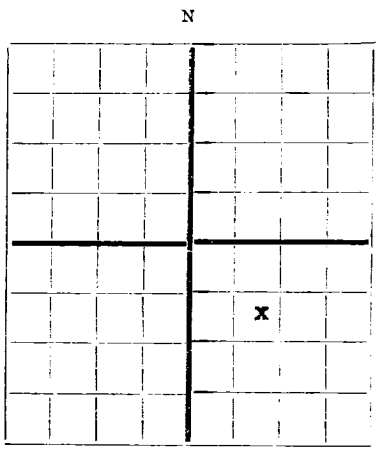
FORM C-105



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 Co. 1104 Burt Bldg., Dallas 1, Texas
Company or Operator — Address

Mangum Well No. 3 in SW¼ of Sec. 25, T. 29-N
Lease

R. 11-W, N. M. P. M., Fruta Canyon Field, San Juan County.

Well is 1650 feet south of the North line and 1650 feet west of the East 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, N.M.

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

The Lessee is Southern Union Production Co., 1104 Burt Bldg., Address Dallas, Texas

Drilling commenced July 31 19 47 Drilling was completed September 5 19 47

Name of drilling contractor Cowley, Address .....

Elevation above sea level at top of casing 5213.6 feet.

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

OIL SANDS OR ZONES

No. 1, from 580 to 590 (G) No. 4, from 4305 to 1410 (G)
No. 2, from 760 to 770 (G) No. 5, from 1675 to 1680 (G)
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 235 to ..... feet. 1 bailer per hour
No. 2, from 925 to 960 feet. 1 " " "
No. 3, from 1605 to 1616 feet. 2 " " "
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
16" OD	60#			40'					Surface
13-3/8"	50#			610'					Intermediate
10-3/4"	40#			1000'					"
8-5/8"	32#			1275'					"
5-1/2"	14#			1630					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
	16"	40'	10			
	10-3/4"	1000'				3 sacks Aquagel
	8-5/8"	1275'				3 " "
	5½" OD	1630	50			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	65 qts.	9-3-47	1645-1720	To 1745

Results of shooting or chemical treatment Well tested 987 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 1746 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 987 m.c.f. Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 440#

EMPLOYEES

Noland, Driller Cowley, Driller
Smith, Driller Finch, 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 23 day of September, 19 47

Billie Simmons Notary Public, Dallas County, Texas

Dallas, Texas 9-23-47
Place Date

Name S. H. Newman
Position Engineer
Representing Southern Union Production Co.
Company or Operator

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Boulders
20	30	10	Sand & gravel
30	40	10	Yellow clay
40	50	10	Blue shale
50	60	10	Sandstone
60	100	40	Sand rock
100	125	25	" "
125	140	15	Blue shale
140	210	70	" "
210	220	10	" "
220	270	50	Sand
270	310	40	"
310	325	15	Grey shale
325	370	45	Sandstone
370	440	70	Sand
440	460	20	Sand and gravel
460	605	145	Sand
605	615	10	Blue shale
615	620	5	Sandy grey shale
620	635	15	Sand
635	690	55	Blue shale
690	700	10	Grey shale
700	740	40	Sand
740	770	30	Blue shale
770	780	10	Sand
780	800	20	Sand
800	820	20	Blue shale
820	860	40	" "
860	875	15	Sand
875	905	30	Grey shale
905	910	5	Sand
910	925	15	Sand
925	960	35	Blue shale
960	1000	40	" "
1000	1030	30	Grey shale
1030	1065	35	Blue shale
1065	1100	35	Grey shale
1100	1175	75	Blue shale
1175	1200	25	Shale and sand breaks
1200	1235	35	shale and sand shells
1235	1265	30	Blue shale
1265	1290	25	" "
1290	1305	15	Sand
1305	1335	30	Blue shale
1335	1350	15	" "
1350	1355	5	Coal
1355	1395	40	Shale and sand shells
1395	1405	10	Blue shale
1405	1420	15	Sand
1420	1435	15	Blue shale
1435	1475	40	Dark shale
1475	1485	10	" "
1485	1515	30	Blue shale
1515	1550	35	Sand and shale
1550	1570	20	Sand and shale
1570	1580	10	Blue shale
1580	1588	8	Dark shale
1588	1590	2	Coal
1590	1610	20	Dark shale
1610	1612	2	Coal
1612	1623	11	Blue shale
1623	1665	42	Sand
1665	1670	5	Shale
1670	1680	10	Broken sand - increase in gas
1680	1690	10	Blue shale
1690	1700	10	Sand
1700	1710	10	Shale and sand breaks
1710	1730	20	Broken sand
1730	1748 T.D.	18	Brown shale