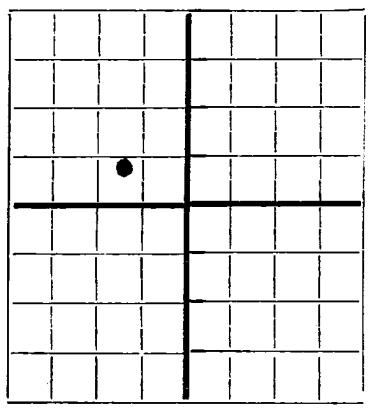
* Communitized Unit by Southern Union Prod.Co., Summit Oil Co. and L. G. Stearns, et al, comprising S½ of NW¼ and N½ SW¼, Sect.29, T-29N., R11W, N.M.P.M. San Juan County, N.M.



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 Cooper Well No. 1-S in SE¼ NW¼ of Sec. 29, T. 29 North
Lease

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

Well is 2310 feet south of the North line and 1650 feet East of the West line of Section 29

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 L. G. Stearns, et al, Address AZTEC, N.M.

Drilling commenced January 21 19 48 Drilling was completed February 27 19 48

Name of drilling contractor L. G. Stearns, Address Aztec, N. M.

Elevation above sea level at top of casing 5389 feet.

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

GAS SANDS OR ZONES

No. 1, from 367 to 372 - show No. 4, from 1270 to 1280 - show
No. 2, from 492 to 500 " No. 5, from 1474 to 1485
No. 3, from 800 to 810 - 750 MCF 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 40 to 70 feet. .....
No. 2, from 221 to 290 feet. Water flowed 60 GPM
No. 3, from 280 to 310 feet. " " 90 GPM
No. 4, from 595 to 602 feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
12¼	50	8	J & L	51	Texas				Surface
10	40	8	"	404	"	All			Intermediate
8	28	8	"	855	Common	"			"
7	24	10	"	1375	Texas	"			"
5½	15	11½	"	1474	Common				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
7	5½	1474	50	Halliburton		

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 00 feet to 1474 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 500 MCF Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 483

EMPLOYEES

Kittens, Driller Romine, Driller

Stearns, Driller ....., 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 16 day of March, 19 48

Billie Simmons
Notary Public

Billie Simmons

Dallas, Texas (Place) 3/16/48 (Date)

Name E. H. Newman

Position Engineer

Representing Southern Union Production Co.
Company or Operator

FROM	TO	THICKNESS IN FEET	FORMATION
0	15	15	Boulder
15	25	10	Sand
25	40	15	Blue shale
40	50	10	Water sand
50	70	20	Blue shale
70	90	20	Shale
90	91	1	Blue shale
91	94	3	Sand
94	114	20	Hard sand
114	120	6	Broken sand and shale
120	160	40	Blue shale
160	207	47	Blue shale
207	221	14	Sand rock
221	240	19	Sand
240	254	14	Blue shale
254	310	56	Sand
310	320	10	Gravel
320	360	40	Sand
360	367	7	Shell - blue
367	372	5	Gas - 368
372	387	15	Sand
387	392	5	Grey sandy shale
392	425	33	Blue shale
425	442	17	Grey and blue shale
442	447	5	Blue shale
447	455	8	Grey sand
455	465	10	Grey shale
465	472	7	Blue shale
472	485	13	Grey sandy shale
485	492	7	Sandy shale
492	500	8	Sand
500	575	75	Sandy grey shale
575	602	27	Sand
602	610	8	Sandy shale
610	625	15	Blue shale
625	630	5	Grey sand
630	640	10	Shells and shale
640	670	30	Hard grey sand
670	690	20	Hard sand
690	700	10	Sandy shale
700	725	25	Blue shale
725	780	55	Sandy shale
780	792	12	Blue shale
792	810	18	Grey shale
810	840	30	Sand - gas show 810-822
840	845	5	Sand shells, shale
845	855	10	Sandy shale
855	890	35	Sand shells and shale
890	915	25	Grey sand
915	985	70	Sandy shale
985	1015	30	Blue and grey shale
1015	1020	5	Sandy shale
1020	1040	20	Blue shale
1040	1045	5	Sandy shale
1045	1270	225	Grey shale
1270	1280	10	Hard sand
1280	1295	15	Brown shale
1295	1300	5	Hard Sand
1300	1360	60	Dark shale
1360	1370	10	Grey shale
1370	1375	5	Grey sand
1375	1410	35	Shale and sand shells
1410	1451	41	Dark shale and shells
1451	1467	16	Grey shale - whitish
1467	1473	6	Coal
1473	1474	1	Grey sand
1474	1540	66	Sand - PICTURED CLIFF 1474'
1540	1549	9	Sand - fine
1549	1559	10	Sand and shale
1559	1564 T.D.	5	Blue shale

Ran 1564' of 1" Siphon line
Jet Nipples 300' and 600' from bottom