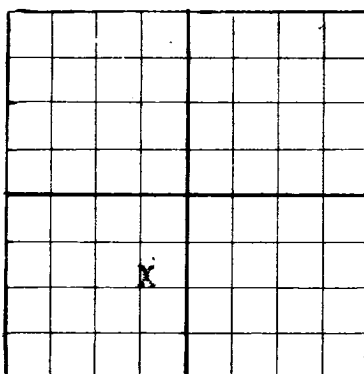
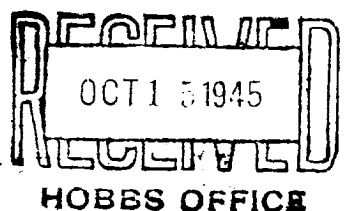


NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

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 Gas Company Carlsbad, New Mexico
Company or Operator Address
State Well No. 78 In SW 1/4 of Sec. 19 T. 17, S
Lease
R28, T N. M. P. M., Red Lake Field, Eddy County.
Well is 3630 feet south of the South line and 2270 feet west of the East line of Sec. 19
If State land the oil and gas lease is No. B 4575 Assignment No. None
If patented land the owner is Address
If Government land the permittee is Address
The Lessee is Address
Drilling commenced June 2, 1945 Drilling was completed July 5, 1945
Name of drilling contractor Brewer Drilling Company Address Artesia, New Mexico
Elevation above sea level at top of casing 3559 feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 525 to 550 No. 4, from to
No. 2, from to No. 5, from to
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 255 to 265 Gyp feet.
No. 2, from 525 to 530 feet.
No. 3, from 550 to 570 feet.
No. 4, from 1035 to 1050 feet.
5 1130 1135 Salt
CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>8 1/2</u>	<u>28</u>	<u>8</u>	<u>S.H.</u>	<u>456</u>	<u>Tex. Pat.</u>				
<u>7</u>	<u>20</u>	<u>8</u>	<u>New</u>	<u>1675</u>	<u>" "</u>				
<u>2 1/2</u>		<u>8</u>	<u>New</u>	<u>550</u>					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>10"</u>	<u>8 1/2</u>	<u>456'</u>	<u>50</u>	<u>Halliburton</u>		
	<u>7</u>	<u>1675'</u>	<u>25</u>	<u>"</u>		

PLUGS AND ADAPTERS

Heaving plug—Material Mud, Cement & Rock Depth Set 550
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
		<u>Acid</u>	<u>1000</u>	<u>7-3-45</u>	<u>525-530</u>	

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 2000 feet, and from feet to feet

PRODUCTION

Put to producing 19
The production of the first 24 hours was barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

 Driller Driller
 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 12 day of October 1945
Erma H. Williams
Place Date
Name
Position Geologist

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche
20	75	55	Red clay & gyp
75	120	45	Red bed
120	195	75	Anhydrite
195	225	30	Gyp
225	255	30	Red bed
255	265	10	Water gyp
265	310	45	Anhydrite & broken red rock
310	365	55	Broken Anhydrite
365	375	10	Lime
375	380	5	Red rock
380	405	25	Anhydrite
405	420	15	Anhydrite broken
420	440	20	Broken Anhydrite
440	456	16	Anhydrite
456	468	12	Lime
468	470	2	Blue shale
470	475	5	Anhydrite
475	500	25	Lime
500	520	20	Anhydrite & Lime
520	535	15	Brown Lime & Anhydrite
535	550	15	Anhydrite & Lime
550	570	20	Lime 3/4 bailers water per hour.
570	595	25	Anhydrite & Lime
595	625	30	Lime & Anhydrite
625	675	50	Anhydrite
675	700	25	Lime & Anhydrite
700	740	40	Anhydrite
740	765	25	Lime & Anhydrite
765	775	10	Anhydrite broken
775	820	45	Anhydrite
820	855	35	Anhydrite broken
855	900	45	Anhydrite
900	945	45	Anhydrite broken
945	960	15	Anhydrite
960	970	10	Red rock
970	1015	45	Anhydrite
1015	1035	20	Broken Anhydrite
1035	1060	25	Red sand, 12 bailers water
1060	1070	10	Lime
1070	1100	30	Lime Anhydrite broken
1100	1130	30	Broken Anhydrite
1130	1135	5	Lime, 3 1/2 bailers salt water per hr.
1135	1320	185	Broken Anhydrite
1320	1330	10	Sandy red bed.
1330	1490	160	Anhydrite broken
1490	1505	15	Lime & Anhydrite
1505	1523	18	Lime
1523	1525	2	Anhydrite
1525	1540	15	Lime
1540	1560	20	Red rock & Lime
1560	1610	50	Lime S. L. correction
1610	1690	80	Lime
1690	1705	15	Anhydrite broken
1705	1717	12	Lime broken
1717	1763	46	Lime
1763	1775	12	Sandy Lime
1775	1795	20	Lime broken
1795	1800	5	Red rock
1800	1908	108	Lime

Plugged back to 1850' w/mud. Pumped 4 cks cement. Plugged back to 1750'. Pumped 4 cks cement. Plugged back to 1677'. Put 6ft of rock between each plug to dump on. Plugged back to 585' with rock. Pumped 10 cks cement. Top of cement 550' T.D.