Baker — 3914

FORM C-105

N.

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 Gas Company, 1104 Burt Building, Dallas, Texas
Company or Operator — Address

State Lease (Lease) Well No. 1 in [illegible] of Sec. 21, T. 17 South

R. 28 East, N. M. P. M., Red Lake Field, Eddy County.

Well is 1650 feet North of the South line and 2310' feet East of the West line of Section 21

If State land the oil and gas lease is No. B-1969 Assignment No. 3

If patented land the owner is ...., Address ....

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

The Lessee is Van P. Welch, Jr., Address Artesia, New Mexico

Drilling commenced May 26 1944. Drilling was completed July 5 1944.

Name of drilling contractor Brewer Drilling Company, Address P. O. Box 566, Artesia, New Mexico

Elevation above sea level at top of casing 3635.2' feet.

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

OIL SANDS OR ZONES

No. 1, from 750 to 755 Show O. & G. No. 4, from .... to ....

No. 2, from 1953 to 1963 " " No. 5, from .... to ....

No. 3, from 1980 to 1991 Oil & 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 to 410 feet.

No. 2, from 412 to 440 feet.

No. 3, from 1270 to 1295 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
8¼"	32#			692'	Regular	None			Drilling
7"	20#			1710'	"	None			Producing
2"				2028		None			"
American Flow Packer set at 1690 feet									

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
[illegible]	8¼"	692'	50	Halliburton		
[illegible]	7"	1710'	100	"		

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
			180 qts	6-25-44	1946	

Results of shooting or chemical treatment Increase in Gas from 150 MCF to 400 MCF

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 2033 feet, and from .... feet to .... feet

PRODUCTION

Put to producing July 20, 1944

The production of the first 24 hours was 20 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. 610#

EMPLOYEES

W. R. Francisco, Driller A. E. Early, Driller

V. A. Lane, Driller M. E. Padgett, 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.

Dallas, Texas (Place) July 31, 1944 (Date)

Subscribed and sworn to before me this 31st day of July, 1944

Name Van Thompson

Arlene Rawls
ARLENE RAWLS
Notary Public, Dallas County, Texas
Notary Public.

Position Engineer

Representing Southern Union Gas Company (Company or Operator)

My Commission expires My Commission Expires June 1, 1945

Address 1104 Burt Bldg., Dallas, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2	2	Soil
2	8	6	Caliche
8	40	32	Peak Sand
40	65	25	Sand
65	75	10	Gyp
75	95	20	Red Shale
90	115	25	Anhydrite
115	125	10	Red Bed
125	190	65	Red Shale and Anhydrite
190	200	10	Gyp and Anhydrite
215	230	15	Red Shale
230	240	10	Anhydrite
240	260	20	Red Shale and Anydrite
260	305	45	Red Shale and Gyp
305	315	10	Red Shale and Anhydrite
315	330	15	Anhydrite
330	335	5	Red Shale
335	340	5	Anhydrite
340	410	65	Anhydrite - 4 bailers water in 40 minutes at 410'
410	412	2	Water Sand
412	440	28	Anhydrite - Reduced hole from 12¼" to 10" at 427'- hole making two bailers water per hr.
440	450	10	Red Shale and Anhydrite
450	490	40	Red Shale and Anhydrite
490	500	10	Anhydrite
500	505	5	Red Bed
505	525	20	Anhydrite
525	540	15	Red Shale
540	575	35	Anhydrite
575	600	25	Broken Anhydrite
600	605	5	Brown Shale
605	635	30	Anhydrite
635	644	9	Red Shale
644	670	26	Anhydrite
670	710	40	Anhydrite - Ran 692' 8⅝", 32# Pipe, 50 sacks cement
710	755	45	Anhydrite - Slight Show of oil and gas at 750-755'
755	925	70	Anhydrite
925	1015	90	Anhydrite
1015	1019	4	Blue Shale
1019	1025	6	Anhydrite
1025	1050	25	Anhydrite & Red Shale
1050	1135	85	Anhydrite - Broken
1135	1155	20	Anhydrite
1155	1160	5	Shale(Red)
1160	1250	90	Anhydrite
1250	1270	20	Red Sand
1270	1295	25	Anhydrite - Hole making ½ bailer water
1295	1305	10	Anhydrite
1305	1310	5	Red Shale
1310	1420	110	Anhydrite
1420	1430	10	Red Bed and Anhydrite
1430	1460	30	Anhydrite - Broken
1460	1480	20	Anhydrite
1480	1490	10	Shale(Red)
1490	1500	10	Anhydrite
1500	1510	10	Anhydrite & Sand
1510	1520	10	Sand & Shale
1520	1550	30	Anhydrite
1550	1555	5	Red Shale
1555	1570	15	Red Shale(Sandy)
1570	1650	80	Anhydrite
1650	1655	5	Lime(Grey)
1655	1665	10	Anhydrite & Red Shale
1665	1680	15	Anhydrite
1680	1695	15	Grey Lime
1695	1700	5	Lime - Brown - Measurement corrected to 1710' Ran 7" Pipe at 1710', 100 sacks cement
1710	1720	10	Lime
1720	1737	17	Lime - Broken
1737	1746	9	Lime
1746	1753	7	Shale(Red)
1753	1775	22	Lime
1775	1785	10	Lime(Grey)
1785	1805	20	Lime
1805	1815	10	Lime(Grey)
1815	1852	37	Lime
1852	1872	20	Lime, broken
1872	1880	8	Lime, broken, sandy
1880	1912	32	Lime & Shale(Red)
1912	1936	24	Lime and Shale
1936	1942	6	Lime - Grey
1942	1950	8	Lime
1950	1957	7	Lime - Sandy - Gas - hole corrected to 1953'
1953	1963	10	Lime Sandy - Oil and Gas
1963	1972	9	Lime and Red Shale
1972	1977	5	Lime - Grey
1977	1980	3	Shale - Red
1980	1985	5	Lime - Broken - bailed hole - 200' Oil in hole after test
1985	1989	4	Lime - Broken
1989	1991	2	Lime - Increase in Gas at 1991'
1991	2005	14	Lime
2005	2013	8	Lime(Grey)
2013	2020	7	Lime
2020	2033	13	Broken Sandy Lime - Total Depth