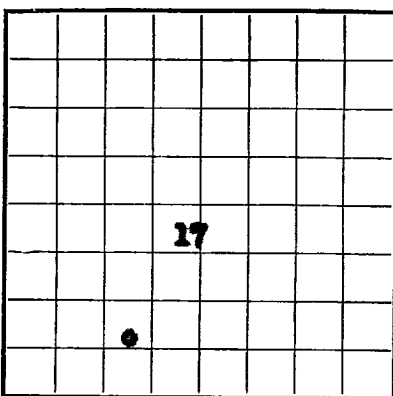


U. S. LAND OFFICE **Santa Fe 070511**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **Bart Bldg., Dallas 1, Texas**
Lessor or Tract **Quinn** Field **Blanco** State **New Mexico**
Well No. **3** Sec. **17** T. **31N** R. **6E** Meridian **N.M.P.M.** County **San Juan**
Location **990** ft. **S** of **S** Line and **1450** ft. **E** of **W** Line of **Section 17** Elevation **4541.07**
(Derick floor relative to datum)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed **Law Thompson**Date **January 5, 1954** Title **Exploration Dept. Mgr.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **October 23, 1953**, 19..... Finished drilling **December 4, 1953**, 19.....OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **5300 G** to **5860** No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8	368		H40	228					Surface
7	226		H40	125					226'
7	226		H40	300					526'
2-3/8	4.7	14	H40	100	OK	CV2 METT			526'

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	226'	125 sacks	Halliburton		
7	5209'	300 "	"		
	Squeezed with 200 sacks @ 3500/ pressure.				

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Nitro Glycoline	1680 G	12/1/53	5860-5900	5860'

Well tested **76** **MP** natural

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

....., 19..... Put to producing , 19.....
December 4, 1953

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. **2720 MCF/3hr.****10064, STEAM**

....., Driller , Driller
Fleeger-Riley Drilling Co. - Rotary Contractor - J. M. Murphy
....., Driller , Driller

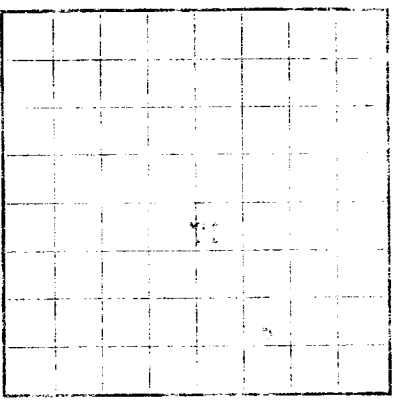
Company rig drilled in **W. H. Vortner**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	399	399	Sand and shale
399	510	151	Sand and shells
510	880	370	Shale
880	3720	2840	Sand and shale
3720	3960	240	Shale
3960	4065	105	Sand
4065	4440	375	Sand and shale
4440	4493	53	Shale
4493	4600	107	Sand and shale
4600	5220	620	Shale
5220	5320	100	Sand
5320	5385	65	Hard sand
5385	5435	50	Sand
5435	5900	65	Sand and shale
5900	5965	65	Sand
5965	5815	260	Sand and shale
5815	5830	15	Hard sand
5830	5860 TD	30	Sand
Top of Pictured Cliffs 3430'			
" of Cliff House 53008			
Top of Menafee 5374'			
Top of Rednt Lookout 5673'			
Top of Menafee 5784'			

FORM 9-330 (REV. 1-5-53) 10-43004-3

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Company _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.
Signed _____
Date _____

The summary on this page is for the location of the well at above date.
Continued drilling _____
Finished drilling _____
19____

OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____	No. 2 from _____ to _____	No. 3 from _____ to _____	No. 4 from _____ to _____	No. 5 from _____ to _____	No. 6 from _____ to _____	No. 7 from _____ to _____	No. 8 from _____ to _____	No. 9 from _____ to _____	No. 10 from _____ to _____
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IMPORTANT WATER SANDS

No. 1 from _____ to _____	No. 2 from _____ to _____	No. 3 from _____ to _____	No. 4 from _____ to _____	No. 5 from _____ to _____	No. 6 from _____ to _____	No. 7 from _____ to _____	No. 8 from _____ to _____	No. 9 from _____ to _____	No. 10 from _____ to _____
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CASING RECORD

Size of casing	Length of casing	Weight of casing	Amount of cement	Notes	From _____ to _____	To _____

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dismantled, give date, position, and number of shots. If plugs or bridges were put in the well for water, state kind of material used, position, and results of pumping or drilling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-45004-2

MUDGING AND CEMENTING RECORD

Material used	Amount used	Notes	From _____ to _____	To _____

PLUGS AND BRIDGES

Material	Length	Depth set	Notes

SHOOTING RECORD

Shot	Charge	Depth set	Notes

TOOLS USED

Tool	From _____ to _____	To _____

DATES

Date	Notes

EMPLOYEES

Name	Position	Notes

FORMATION RECORD

FORMATION	TOTAL FEET	TO -	FROM -
Hard sand	10	0	10
Hard sand	10	10	20
Hard sand	10	20	30
Hard sand	10	30	40
Hard sand	10	40	50
Hard sand	10	50	60
Hard sand	10	60	70
Hard sand	10	70	80
Hard sand	10	80	90
Hard sand	10	90	100
Hard sand	10	100	110
Hard sand	10	110	120
Hard sand	10	120	130
Hard sand	10	130	140
Hard sand	10	140	150
Hard sand	10	150	160
Hard sand	10	160	170
Hard sand	10	170	180
Hard sand	10	180	190
Hard sand	10	190	200
Hard sand	10	200	210
Hard sand	10	210	220
Hard sand	10	220	230
Hard sand	10	230	240
Hard sand	10	240	250
Hard sand	10	250	260
Hard sand	10	260	270
Hard sand	10	270	280
Hard sand	10	280	290
Hard sand	10	290	300
Hard sand	10	300	310
Hard sand	10	310	320
Hard sand	10	320	330
Hard sand	10	330	340
Hard sand	10	340	350
Hard sand	10	350	360
Hard sand	10	360	370
Hard sand	10	370	380
Hard sand	10	380	390
Hard sand	10	390	400
Hard sand	10	400	410
Hard sand	10	410	420
Hard sand	10	420	430
Hard sand	10	430	440
Hard sand	10	440	450
Hard sand	10	450	460
Hard sand	10	460	470
Hard sand	10	470	480
Hard sand	10	480	490
Hard sand	10	490	500
Hard sand	10	500	510
Hard sand	10	510	520
Hard sand	10	520	530
Hard sand	10	530	540
Hard sand	10	540	550
Hard sand	10	550	560
Hard sand	10	560	570
Hard sand	10	570	580
Hard sand	10	580	590
Hard sand	10	590	600
Hard sand	10	600	610
Hard sand	10	610	620
Hard sand	10	620	630
Hard sand	10	630	640
Hard sand	10	640	650
Hard sand	10	650	660
Hard sand	10	660	670
Hard sand	10	670	680
Hard sand	10	680	690
Hard sand	10	690	700
Hard sand	10	700	710
Hard sand	10	710	720
Hard sand	10	720	730
Hard sand	10	730	740
Hard sand	10	740	750
Hard sand	10	750	760
Hard sand	10	760	770
Hard sand	10	770	780
Hard sand	10	780	790
Hard sand	10	790	800
Hard sand	10	800	810
Hard sand	10	810	820
Hard sand	10	820	830
Hard sand	10	830	840
Hard sand	10	840	850
Hard sand	10	850	860
Hard sand	10	860	870
Hard sand	10	870	880
Hard sand	10	880	890
Hard sand	10	890	900
Hard sand	10	900	910
Hard sand	10	910	920
Hard sand	10	920	930
Hard sand	10	930	940
Hard sand	10	940	950
Hard sand	10	950	960
Hard sand	10	960	970
Hard sand	10	970	980
Hard sand	10	980	990
Hard sand	10	990	1000

FORMATION RECORD—Continued