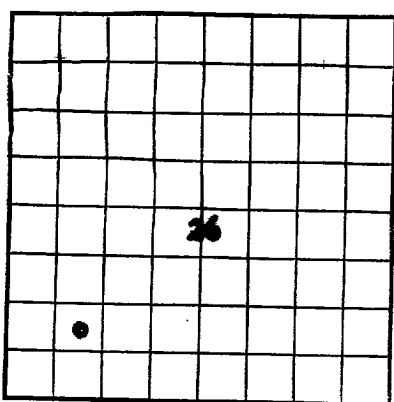
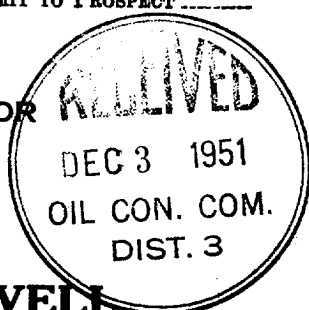




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077282
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1104 Burt Bldg., Dallas 1, Texas
Lessor or Tract A. S. Grandier Field Blanco-LaPlata State New Mexico
Well No. 1-A Sec. 26 T. 30 N.R. 10 W Meridian N.M.P.M. County San Juan County
Location 990 ft. ^(N.) of 8 Line and 990 ft. ^(E.) of W Line of section 26 Elevation 6124.0
(Derrick floor relative to sea level)

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 November 28, 1951 Title Geologist

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

Commenced drilling August 31, 1951, 19____ Finished drilling October 22, 1951, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4820 to 5334 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—	
<u>13-3/8"</u>	<u>48.5</u>	<u>36.7</u>	<u>J-55</u>	<u>152.3'</u>					<u>Surf zone</u>
<u>7"</u>	<u>20.7</u>	<u>24</u>	<u>J-55</u>	<u>177.3'</u>					<u>Production</u>
<u>2" tubing</u>			<u>J-55</u>	<u>510'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8"</u>	<u>150'</u>	<u>100</u>	<u>Halliburton</u>		
<u>7"</u>	<u>222-4207'</u>	<u>250</u>	<u>"</u>		

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
	<u>nitro glycerine</u>		<u>1830 qt</u>	<u>10/16</u>	<u>4820-5334'</u>	<u>5334'</u>

TOOLS USED

Rotary tools were used from 0 feet to 4820 feet, and from _____ feet to _____ feet
Cable tools were used from 4820 feet to 5334 feet, and from _____ feet to _____ feet

DATES

October 22, 1951 Put to producing _____, 19____

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 630 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 990

EMPLOYEES

Elmer Sanders, Driller G. C. Seybert, Driller
C Miller, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>220</u>	<u>220</u>	<u>Sand</u>
<u>220</u>	<u>1455</u>	<u>1235</u>	<u>Sand and shale</u>
<u>1455</u>	<u>1500</u>	<u>45</u>	<u>Sand, shale and chert</u>
<u>1500</u>	<u>1580</u>	<u>80</u>	<u>Shale</u>
<u>1580</u>	<u>1686</u>	<u>106</u>	<u>Shale and streaks hard sand</u>
<u>1686</u>	<u>2344</u>	<u>658</u>	<u>Sand and shale</u>
<u>2344</u>	<u>2525</u>	<u>81</u>	<u>Sandy shale and coal streaks</u>
<u>2525</u>	<u>2565</u>	<u>40</u>	<u>Sand and shale</u>
<u>2565</u>	<u>2707</u>	<u>142</u>	<u>Sand, shale and coal streaks</u>
<u>2707</u>	<u>820</u>	<u>103</u>	<u>Sand and shale</u>
<u>4810</u>	<u>4815</u>	<u>5</u>	<u>Coal</u>
<u>4815</u>	<u>4830</u>	<u>15</u>	<u>Sand, shale and coal</u>
<u>4830</u>	<u>4850</u>	<u>10</u>	<u>Sand and shale</u>
<u>4850</u>	<u>4870</u>	<u>20</u>	<u>shale</u>
<u>4870</u>	<u>4890</u>	<u>20</u>	<u>Sand, shale and coal</u>
<u>4890</u>	<u>4910</u>	<u>20</u>	<u>Sand and shale</u>
<u>4910</u>	<u>4970</u>	<u>60</u>	<u>Sand</u>
<u>4970</u>	<u>5334 T.D.</u>	<u>364</u>	<u>Sand and shale</u>

Geological Notes:

Pictured Cliffs 2660'
Cliff House 4280'
Point Lookout 4910' est. -

Pay Zone is Point Lookout

LEON—

LO—

LOLYT LEEL

LOBYVILION

(OVER)

16-43004-2

FORMATION RECORD—Continued

30 West Broadway No. 49, Boston.

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER 000000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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.

Location given at { N } of _____ line and { E } of _____ line of _____ section _____ Township _____ Range _____

Well No. _____ Sec. _____ T. _____ R. _____ S. _____

Person or Trust _____

Address _____ State _____

Oil Company _____

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

Date: _____

Time: _____

Signed: _____

01-08 GAS BATHS OF 2000

No. 1, from		No. 2, from		No. 3, from		No. 4, from		No. 5, from		No. 6, from		No. 7, from		No. 8, from	
to	100	to	100	to	100	to	100	to	100	to	100	to	100	to	100
IMPORTANT WATER SANDS															
to	100	to	100	to	100	to	100	to	100	to	100	to	100	to	100
No. 1, from															
No. 2, from															
No. 3, from															
No. 4, from															
No. 5, from															
No. 6, from															
No. 7, from															
No. 8, from															

CASING RECORD

Line ending	Weight per foot	Thickness inches	Make	Insulation	Kind of splice	How and pulled from	Perforated from	Purpose
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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reaming, log casing, sidetracking or left in the well, and its results. If there were any changes made in the casing, state fully, and if any casing was shot. If pits or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

beam butt to butt	ribbing butt	beam bottom	transverse beam bottom	ribbing	ribbing	ribbing
		not good		OK	OK	OK
				OK	OK	OK

PLUGS AND ADAPTERS

Material—Leaving plug	Length	Depth set
Material—Adapters	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

test	test to	test and from	test	test to	test and from
test	test to	test and from	test	test to	test and from

DATE

It was 1000 cu ft. per 24 hours	6500	Gallons gasoline per 1000 cu ft. of gas
Water and sediment	%	Gravity, °C.
The production for the first 24 hours was		barrels of fluid of which % was oil; %
Put to producing	10	

EMPLOYEES

Driller	Driller
Driller	Driller

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
1000	1000	100	bed and shale
1010	1000	10	bed
1020	1000	20	bed and shale
1030	1000	30	bed and shale and coal
1040	1000	40	bed
1050	1000	50	bed and shale
1060	1000	60	bed and shale
1070	1000	70	bed and shale
1080	1000	80	bed and shale
1090	1000	90	bed and shale
1100	1000	100	bed and shale
1110	1000	110	bed and shale
1120	1000	120	bed and shale
1130	1000	130	bed and shale
1140	1000	140	bed and shale
1150	1000	150	bed and shale
1160	1000	160	bed and shale
1170	1000	170	bed and shale
1180	1000	180	bed and shale
1190	1000	190	bed and shale
1200	1000	200	bed and shale
1210	1000	210	bed and shale
1220	1000	220	bed and shale
1230	1000	230	bed and shale
1240	1000	240	bed and shale
1250	1000	250	bed and shale
1260	1000	260	bed and shale
1270	1000	270	bed and shale
1280	1000	280	bed and shale
1290	1000	290	bed and shale
1300	1000	300	bed and shale
1310	1000	310	bed and shale
1320	1000	320	bed and shale
1330	1000	330	bed and shale
1340	1000	340	bed and shale
1350	1000	350	bed and shale
1360	1000	360	bed and shale
1370	1000	370	bed and shale
1380	1000	380	bed and shale
1390	1000	390	bed and shale
1400	1000	400	bed and shale
1410	1000	410	bed and shale
1420	1000	420	bed and shale
1430	1000	430	bed and shale
1440	1000	440	bed and shale
1450	1000	450	bed and shale
1460	1000	460	bed and shale
1470	1000	470	bed and shale
1480	1000	480	bed and shale
1490	1000	490	bed and shale
1500	1000	500	bed and shale
1510	1000	510	bed and shale
1520	1000	520	bed and shale
1530	1000	530	bed and shale
1540	1000	540	bed and shale
1550	1000	550	bed and shale
1560	1000	560	bed and shale
1570	1000	570	bed and shale
1580	1000	580	bed and shale
1590	1000	590	bed and shale
1600	1000	600	bed and shale
1610	1000	610	bed and shale
1620	1000	620	bed and shale
1630	1000	630	bed and shale
1640	1000	640	bed and shale
1650	1000	650	bed and shale
1660	1000	660	bed and shale
1670	1000	670	bed and shale
1680	1000	680	bed and shale
1690	1000	690	bed and shale
1700	1000	700	bed and shale
1710	1000	710	bed and shale
1720	1000	720	bed and shale
1730	1000	730	bed and shale
1740	1000	740	bed and shale
1750	1000	750	bed and shale
1760	1000	760	bed and shale
1770	1000	770	bed and shale
1780	1000	780	bed and shale
1790	1000	790	bed and shale
1800	1000	800	bed and shale
1810	1000	810	bed and shale
1820	1000	820	bed and shale
1830	1000	830	bed and shale
1840	1000	840	bed and shale
1850	1000	850	bed and shale
1860	1000	860	bed and shale
1870	1000	870	bed and shale
1880	1000	880	bed and shale
1890	1000	890	bed and shale
1900	1000	900	bed and shale
1910	1000	910	bed and shale
1920	1000	920	bed and shale
1930	1000	930	bed and shale
1940	1000	940	bed and shale
1950	1000	950	bed and shale
1960	1000	960	bed and shale
1970	1000	970	bed and shale
1980	1000	980	bed and shale
1990	1000	990	bed and shale
2000	1000	1000	bed and shale