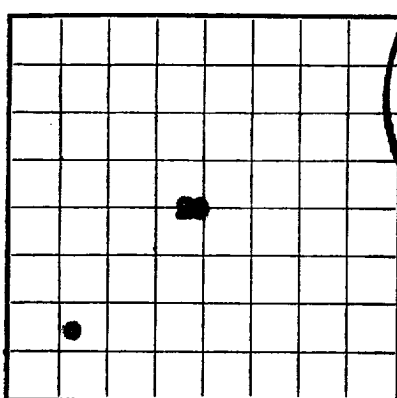




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 27-07264

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY~~FULL COMPLETION~~

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Hurt Building, Dallas, TexasLessor or Tract Federal Rye Field Wildcat State New MexicoWell No. 1 Sec. 20 T. 31N R. 12W Meridian N.M.P.M. County San JuanLocation 1085 ft. N. of 1 Line and 4373 ft. E. of 1 Line of Section 20 Elevation 6072'
(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 L. E. MunnickDate November 3, 1959Title Exploration Engineer

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

Commenced drilling June 25, 1959 Finished drilling August 4, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7068 to 7079 (G) No. 4, from 4780 to 4982 (G)No. 2, from 7005 to 7044 (G) No. 5, from _____ to _____No. 3, from 6948 to 6998 (G) 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—	
10-3/4"	27.1	8	Lucas	200	Reamer	7068			
7-5/8"	20.0	8	Lucas	150	Reamer	7079			
5-1/2"	15.9	8	Lucas	345	Reamer	7044			
2"	6.9	8	Lucas		Reamer	7005			
1"	4.7	8	Lucas		Reamer	6998			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	271 ft.	200			
7-5/8"	2005 ft.	150			
5-1/2"	2510-7123' 11mm	345			
2"	6948'				
1"	4780'				

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
Part 7068-7079', 7005-7044', fraced w/14,397 gals. var. 12,300' sand, 12-33.9 NFM.						
70- fraced w/12097 gals. var. 7,000' sand. Set 12' 8' 7028'. Part. 6948-6998', fraced w/30,129 gals. var., 12,000' sand. 12-15.2 NFM. Set Packer 8' 6900'. Part. 4780-4982' fraced w/64,000 gals. var., 100,000' sand, dropped 150 rubber balls. 12 - 60.2 NFM.						
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

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. gas per 24 hours _____ Gallons gas per _____ ft. of gas _____

(Dual) Rock pressure _____ sq. in. _____ (31 days)

EMPLOYEES

_____, Driller

Baron Drilling CompanyC. E. Phillips

_____, Driller

R. E. BoultonR. E. Munnick

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	345	345	Surface
345	5407	5062	Sand and shale
5407	5705	378	Sandy shale
5705	7089	1344	Sand and shale
7089	7156	127	Sand
7156	7176	20	Sand and shale
			TOPS: Cliff House 3992'
			Point Lookout 4782'
			Munson 5187'
			Callup 6080'
			Greenhorn 6880'
			Dakota 6943'
FROM—	TO—	LOVELL FEET	FORMATION

FORMATION RECORD—Continued

Company _____
Lessor or Tract _____
Well No. _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
19__

OIL OR GAS SANDS OR ZONES			
(Denote gas by G)			
No. 1 from _____	to _____	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			
From _____	To _____	Feet _____	Remarks _____
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 added, or left in the well, give the size and position. If the well has been abandoned, state the date, position, and number of spots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.			

HISTORY OF OIL OR GAS WELL			
16-43004-2 U. S. GOVERNMENT PRINTING OFFICE			
MUDGING AND CEMENTING RECORD			
From _____	To _____	Feet _____	Remarks _____
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 added, or left in the well, give the size and position. If the well has been abandoned, state the date, position, and number of spots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.			

FORMATION RECORD			
From _____	To _____	Feet _____	Remarks _____
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 added, or left in the well, give the size and position. If the well has been abandoned, state the date, position, and number of spots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.			