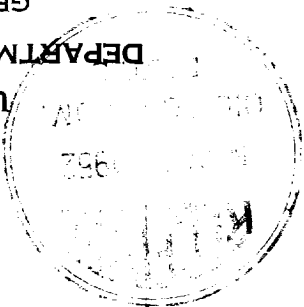


LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
UNITED STATES

Budget Bureau No. 42-R355.2
Approval expires 12-31-52.
U. S. LAND OFFICE
Serial Number 080314
LEASE OR PERMIT TO PROSPECT



Company Southern Union Gas Company
Address 1104 Burt Bldg. Dallas, Texas
Lessor or Tract Harrison
Field Blanco
State New Mexico
Well No. 1
Sec. 31 T. 32N. R. 10W. Meridian N.M.P.M. County San Juan County
Location 1190 ft. N. of 3. Line and 1650 ft. E. of W. Line of Section 31
Elevation 9731' (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 Dan Thompson
Date October 10, 1952
Title Manager Exploration Dept.

OIL OR GAS SANDS OR ZONES

Commenced drilling July 29, 1952
The summary on this page is for the condition of the well at above date.
Finished drilling September 27, 1952
No. 1, from OH 4520 to 4700 G No. 4, from
No. 2, from 4960 to ? G No. 5, from
No. 3, from No. 6, from
IMPORTANT WATER SANDS
No. 1, from
No. 2, from
No. 3, from
No. 4, from
No. 5, from
No. 6, from

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10-3/4	40.5		J-55	214.17'				Surface
7" OD	20.5		J-55	2821.10'				Production
7" OD	20.5		H-40	1612.12'				
2" Tubing 4.7#			J-55	5303'				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	226'	100	Ballston		
7"	408'	225			

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 glycerine	1820 g	9/24	460-5326	5326'

TOOLS USED

Rotary tools were used from 0 feet to 4407 feet, and from feet to feet
Cable tools were used from 4407 feet to 5326 feet, and from feet to feet
The production for the first 24 hours was barrels of fluid of which % was oil; %
emulsion; % water; and % sediment.
If gas well, cu. ft. per 24 hours 4930 MCF
Rock pressure, lbs. per sq. in. 1100#

EMPLOYEES

Gardner Brothers Drilling Co., Driller
H. R. McDonald, Driller
J. P. Smith, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	129	129	Surface sand
129	4407	4278	Sand and shale
4407	4415	8	Black shale
4415	4665	250	Sand
4665	4820	155	Sand, shale and coal
4820	4905	85	Sand and shale
4905	4945	40	Sand, shale and coal
4945	4980	35	Sand and shale
4980	5326	340	Sand
Geological Tops:			
Pictured cliffs	2740'		
Cliff House	4520		
Point Lookout	4960		

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

15-43094-1

U. S. GOVERNMENT PRINTING OFFICE

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 dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.