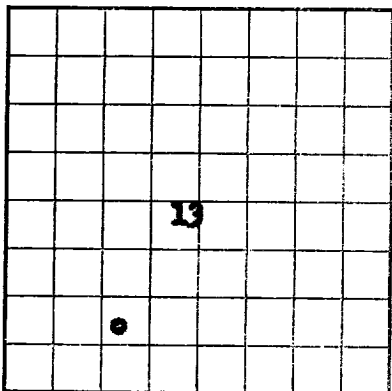


Form 9-330

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

SERIAL NUMBER **078508**

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 **Art Bldg., Dallas, Texas**
Lessor or Tract **Mordhaus** Field **Blanco** State **New Mexico**
Well No. **1** Sec. **13** T. **31N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
Location **900** ft. **N.** of **S.** Line and **1650** ft. **E.** of **W.** Line of **Section 13** Elevation **6508** DF
(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 **A. M. Wiederkehr**
A. M. Wiederkehr
Title **Reservoir Engineer**

Date **January 30, 1953**

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

Commenced drilling **October 8, 1952**, 19... Finished drilling **January 16**, 19**53**
Oil or Gas Sands or Zones **Well Completed January 22, 1953**

(Denote gas by G)

No. 1, from **5210** to **5756 G** 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—	
10-3/4	40.5		H-40	189					Surface
5 1/2	15.57		J-55	5174'					Production
2"	4.77	Tubing	J-55	5953'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	202	125	Halliburton		
5 1/2	5135	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

TOOLS USED

Rotary tools were used from **0** feet to **5135** feet, and from _____ feet to _____ feet
Cable tools were used from **5135** feet to **6048** feet, and from _____ feet to _____ feet

DATES

January 22, 1953, 19... 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 **279 MGF** (well partly logged with oil when test was made.)
Gallons gasoline per 1,000 cu. ft. of gas **3 hr. test**

Rock pressure, lbs. per sq. in. **1075#** days shut in.

EMPLOYEES

Gardner Bros. Drilling Company Driller **Rotary work** **W. E. Clark**, Driller
SUG #101 drilled in, Driller **J. F. Smith**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	205	205	Surface sand
205	400	195	Sand
400	5135	4735	Sand and shale
5135	5170	25	Sand
5160	5215	55	Shale
5215	5230	15	Sand and shale
5230	5270	40	Sand
5270	6048 D.P.	778	Sand and shale - Some oil at 5950' - 150' of oil in hole at 6035'.
Top of Pictured Cliffs - 3346			
" " Cliff House (Mass.) 5210 - Pay			
" " Point Lookout 5597 - Pay			
" " Mancos 5756			

[illegible]

16-48094-1 U. S. GOVERNMENT PRINTING OFFICE

16-43094-1 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.