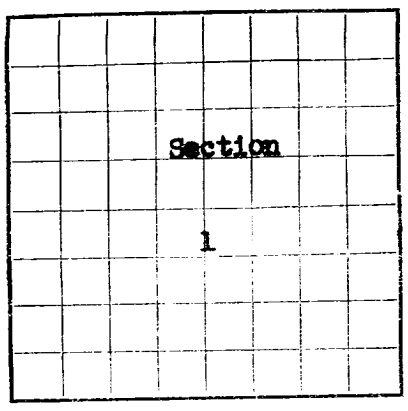
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-04375
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Room 1434

Company Southern Union Gas Company Address Fidelity Union Tower Building
Lessor or Tract Reid Field Basin-Dakota State New Mexico
Well No. 1-A Sec. 1 T. 30-NR 13-W Meridian N.M.P.M. County San Juan
Location 990 ft. [S.] of N Line and 990 ft. [W.] of E Line of Section 1 Elevation 5878' (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. Original Signed By

Signed P. J. CLOTE
Paul J. Clote
Date January 26, 1961 Title Mgr., Drilling Production

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

Commenced drilling December 1, 1960 Finished drilling December 24, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5942 to 5954 (G) No. 4, from 6608 to 6630
No. 2, from 5962 to 5980 No. 5, from 6652 to 6718
No. 3, from 6792 to ~~6818~~ 6184 No. 6, from 6734 to 6762

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 From—	Perforated To—	Purpose
8-5/8	32#	8 RD	H-40	270.89					
4-1/2	9.5#	8 RD	J-55	6875'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	260.89 KB	200	Halliburton	Surface Production	
4-1/2	6865' KB	660	Halliburton		
1-1/2	6544				

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

Perf. 6792-6814' 4 shots/ft Squeezed w/500 gals 15% mud acid, Perf. 4 shots/ft 6608-6630' 6652-6718', 6734-6762' - Fraced w/90,000# sand, 100,000 gals water, dropped 80 rubber balls. IR-35 BPM. Perf. 5942-5954', 5962-5980' fraced w/30,000#sand, 28,000 gals oil

TOOLS USED

Rotary tools were used from -0- feet to 6865' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

January 13, 1961, 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 1,605 MCFPD Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1807# SICP - 10 Days

CAOF 1,851 MCFPD

EMPLOYEES

Gardner Brothers Drilling Co., Driller Lawrence Drilling Co., Driller
D. H. Brasell, Driller D. R. Hamilton, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	265	265	Surface sand
265	2560	2295	Sand and shale
2560	2672	112	Shale
2672	3055	383	Sand and shale
3055	3191	136	Shale
3191	5117	1926	Sand and shale
5117	5207	90	Shale
5207	5440	233	Sand and shale
5440	5600	160	Shale
5600	6668	1068	Sand and shale
6668	6709	41	Sand
6709	6749	40	Sand and shale
6749	6786	37	Sand
6786	6865	79	Sand and shale
6865	T.D.		

TOPS:

Pictured Cliffs	2050'
Cliff House	3692'
Point Lookout	4436
Mancos	4844'
Gallup	5718'
Greenhorn	6482'
Dakota	6607'

(OVER)

18—43094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16—43094-2 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.