

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF 078424**
LEASE OR PERMIT TO PROSPECT

Section 20

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Gas Company Address 1001 Burt Bldg., Dallas, Texas
Lessor or Tract 29-7 Unit Field Blanco State New Mexico
Well No. 45 Sec. 20 T29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 910 ft. N. of 3 Line and 970 ft. E. of W Line of Section 20 Elevation 6577
(Devic 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.

Date October 19, 1955 Signed A. M. Wiederkehr Title Manager, Exploration Dept.

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

Commenced drilling 8-6- 19 55 Finished drilling 9-4- 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4208 to 5575 (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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	210 RKB	150	Haliburton		
7	4908 RKB	250	Haliburton		
2-3/4	4500				

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
(Job #1)	Sand oil frac	4208 feet to	5130 feet with	29,100 gals oil and 20,000# sand		
(Job #2)	Sand oil frac	5475 feet to	5575 feet with	18,600 gals. oil and 14,500# sand.		

TOOLS USED

Rotary tools were used from 40 feet to 5575 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

26, 1955 Put to producing 12/27/55, 1955

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 6394 MCT Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -- ~~1067~~ / 36 Days

EMPLOYEES

Fleeger-Riley Drilling Company Driller ----- W. C. Johnson -----, Driller
T. C. Hickman -----, Driller ----- A. I. Old -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	108	108	Sand
108	173	65	Sand & shale
173	205	32	Sand
205	295	90	Sand & shale
295	759	464	Sand
759	1403	644	Shale
1403	4306	2903	Sand & shale
4306	4362	56	Shale
4362	4514	152	Sand & shale
4514	4630	116	Shale
4630	4675	245	Sand & shale
4675	5575	700	Sand
TOPS: Pictured Cliffs 3290			
Cliff House 5011			
Point Lookout 5472			