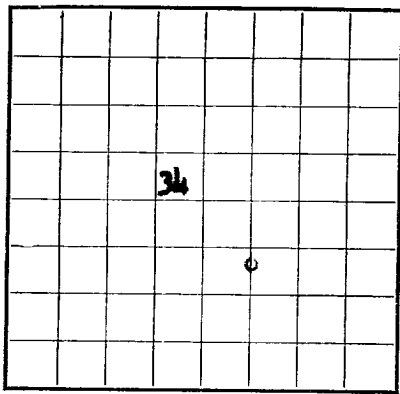


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078432**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **1001 Burt Building**
Lessor or Tract **Hodges** Field **Wildcat** State **New Mexico**
Well No. **3** Sec. **34** T. **26N** R. **8W** Meridian **N.M.P.M.** County **San Juan**
Location **1650** ft. ^{N.} of **8** Line and **1650** ft. ^{E.} of **8** Line of **Section 34** Elevation **6984'**
(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

Date **January 20, 1955**Title **Manager, Exploration Dept.**

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

Commenced drilling **November 25**, 19 **54** Finished drilling **December 3**, 19 **54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2664'** to **2742' 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—	
8 5/8"	34.50	10	1055	2742'					Surface
5 1/2"	27.50	10	1055	2742'					Production
4 1/2"	27.50	10	1055	2742'					Production
3 1/2"	27.50	10	1055	2742'					Production
2 1/2"	27.50	10	1055	2742'					Production
1 1/2"	27.50	10	1055	2742'					Production
1"	27.50	10	1055	2742'					Production

MUDDING AND CEMENTING RECORD

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	108.76' DF	95	Halliburton		
5 1/2"	2755' DF	150	Halliburton		
1"	2769'				

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
Sandfrac	from 2722' to 2738'	with 9462 gals. oil and 5600# sand.				
Resand frac	from 2722' to 2738'	with 9462 gals. oil and 5600# sand.				

TOOLS USED

Rotary tools were used from **0** feet to **2758** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 11, 19 **54** 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 **176.21** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **651**

EMPLOYEES

Benson-Montin-Greer Drilling Co., Driller **Elmer Sanders**, Driller
A. U. Old, Driller **J. R. Greene**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1704'	1704'	Sand & Shale
1704'	1740'	36'	Shale
1740'	2758'	1018'	Sand & Shale
TCPS:			
Pictured Cliff	- 2670'		
Lewis	- 2740'		

(OVER)

FORMATION RECORD—Continued

LOG OF OIL IN WELL

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued