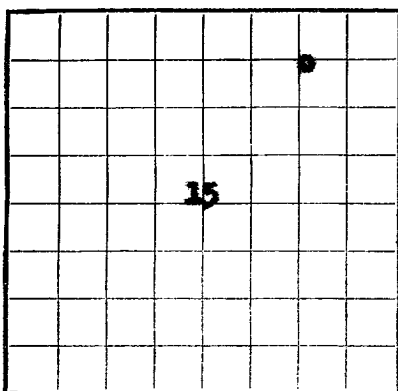
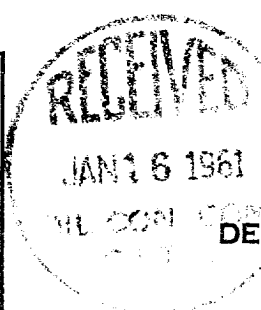




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **27-04453-3**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **1434 Fidelity Union Tower**
Lessor or Tract **Federal Estate** Field **Angels Peak Dakota State** **New Mexico**
Well No. **1-15** Sec. **15** T. **28-N** R. **11-W** Meridian **N.M.P.M.** County **San Juan**
Location **1070** ft. **XXX** of **N** Line and **870** ft. **XXX** of **E** Line of **Section 15** Elevation **5514'**
(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

Paul J. Clote Title **Mgr., Drilling and Production**Date **January 10, 1961**

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

Commenced drilling **November 11**, 19 **60** Finished drilling **December 2**, 19 **60**OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from **6014** to **6024** (a) No. 4, from **6154** to **6162** (a)
No. 2, from **6030** to **6051** (a) No. 5, from **6176** to **6189** (a)
No. 3, from **6092** to **6136** (a) No. 6, from **6184** to **6194** (a)

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—	
9-5/8	25.30	8-11/16	8-11/16	250	Ball	6014-6024			Production
4-1/2	13.75	6-5/8	6-5/8	695	Ball	6030-6051			Production
2-3/8	8.10	4-1/2	4-1/2	39	Ball	6092-6136			Production
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	250.35	250	Ball		
4-1/2	6851	695	Ball		

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
9-5/8	250.35	250	Ball			
4-1/2	6851	695	Ball			

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 8, 19 60 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 **4,120 MCFD** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **2100-2150** **CAVE 4,700 MCFD**

EMPLOYEES

Flanagan Drilling Company, Driller **Paul D. Dinkin**, Driller
R. L. Lynch, Driller **L. E. Dinkin**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	365	365	Sand
365	1416	1051	Sand and shale
1416	2012	596	Sand
2012	6052	4040	Sand & Shale
6052	6111	59	Sand
6111	6153	42	Shale
6153	6209	56	Sand
6209	6255	46	Sand and shale
6255			
TD			
TIPS:			
Pictured Cliffs			1545'
Cliff House			3098'
Point Lookout			3905'
Greenhorn			5912'
Dakota			6013'
LEOM—	LO—	LOLVF EEL	LOBYVILION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A 10x10 grid with a small circle at (2, 8) and the number 32 at (5, 5).

Commenced drilling November 11, 1900 Finished drilling December 5, 1900

(Dereio das py G)

IMPORTANT WATER SANDS

CASING RECORD

HISTORY OF OIL OR GAS WELL

RECORDING AND INDEXING

PLUGS AND ADAPTERS

SHOOTING RECORD

TOOLS USED

DATE

emulsion: 20% water: 20% sediment: 20%

1000 1000 1000

FORMATION RECORD

1234

FORMATION