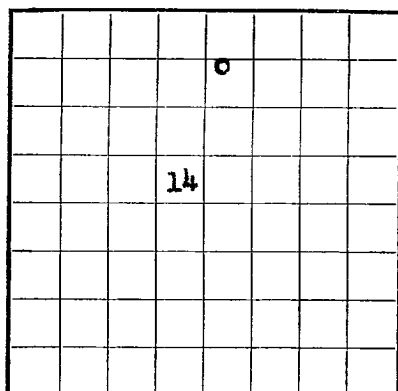


U. S. LAND OFFICE **Santa Fe**
044535 (a)
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

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 **Southern Union Production Co.** Field **Kutz Canyon** State **New Mexico**
Well No. **5** Sec. **14** T. **28N** R. **11W** Meridian **N.M.P.M.** County **San Juan**
Location **703** ft. **SS** of **N** Line and **1839** ft. **XX** of **E** Line of **Section 14** Elevation **5743**
(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** Title **Manager, Exploration Dept.**
Date **May 2, 1955**

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

Commenced drilling **October 7,** 19 **54** Finished drilling **October 11**, 19 **54**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **1785'** to **1863' (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—	
9 5/8 36			J-55	124'					surface
5 1/2 15.5			J-55	100'					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	125' G1	100	Halliburton		
5 1/2	1790' W	350	Halliburton		
1-9	1865'				

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
Sand oil frac from 1790' to 1879' with 10,400 gallons oil and 12,100# sand.						

TOOLS USED

Rotary tools were used from **-0-** feet to **1885'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 6, 19 **55** Put to producing _____, 19 _____

The production for the first 24 hours was **39.4 MCF** barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **39.4 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____

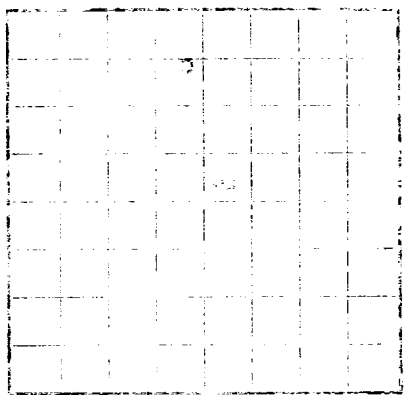
Rock pressure, lbs. per sq. in. **2324/ 39 days**

Banner Drilling Company EMPLOYEES **Ray Ford**
_____, Driller _____, Driller
E. F. Renfro _____, Driller **J. R. Copeland** _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Tops:			
Pictured Cliffs		1785'	
-0-	1118	1118	Sand & Shale
1118	1408	290	Shale
1408	1679	271	Shale & Sand
1679	1770	91	Shale
1770	1885 T.D.	1115	Coal

FORMATION RECORD—Continued



TOG OF OIL OR GAS WELL

ENTHOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

SETATE (CONTINUED)

Date _____
 Title _____
 Signed _____
 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.
 Location _____ of _____ line and _____
 Well No. _____
 Lessor or Trustee _____
 Company _____
 Address _____
 City _____ State _____
 County _____
 Elevation _____
 If the location is on the map

Commenced drilling _____ to _____ finished drilling _____ to _____

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

OIL OR GAS SANDS OR ZONES

(1) Note that G

No. 1, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

IMPORTANT WATER SANDS

1. $\frac{1}{2}$ of the total amount of the loan is to be repaid by the borrower in the form of a lump sum at the end of the term of the loan.

CASING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

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

NUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Adaptation - Abnormal	Size
Heart g. 100 g	100 g

SHOOTING RECORD

Site	Depth (feet)	Explosive used	Quantity	State	Depth shot	Depth cleaned out
1	10	1	1	1	1	1

TOOTS NEWS

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

DATA

The production for the first 24 hours was approximately	_____ lb water; and _____ lb sediment.
It gas well out at per 24 hours _____	_____ lb gas.
of those producing per 24 hours _____	_____ lb gas.
Quantity _____	_____ lb sediment.
The production for the first 24 hours was _____	_____ lb water; and _____ lb sediment.
_____ lb gas.	_____ lb gas.

SEEKING

[illegible]

FORMATTED RECORD

[illegible]