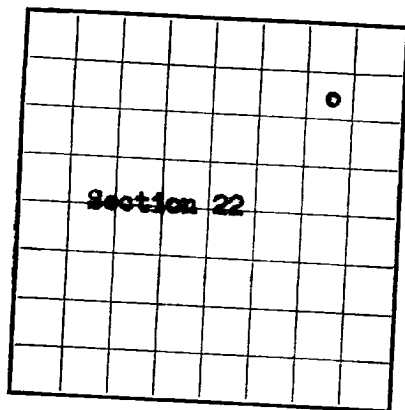


U. S. LAND OFFICE **Jicarilla Apache**
SERIAL NUMBER **Tribe of Indians**
LEASE OR PERMIT TO PROSPECT **Contract #10**

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **1001 Bart Building, Dallas, Texas**
 Lessor or Tract **Jicarilla** Field **Wildcat** State **New Mexico**
 Well No. **4-E** Sec. **22** T. **26N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
 Location **890** ft. **[N.]** of **N** Line and **99** ft. **[E.]** of **E** Line of **Section 22** Elevation **6825**
 (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.

Date **July 22, 1955** Original Signed By **A. M. WIEDERKEHR**
 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 **6-5, 1955** Finished drilling **6-21, 1955**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3446** to **3504 (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	8 RD	J-55	153					Surface Prod.
5-1/2	34	8 RD	J-55	346					
REMARKS: The casing was set in the well and cemented. The well was then tested and found to be producing oil and gas.									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	153	150	Ballburton		
5-1/2	346	150			

Heaving plug—Material
Adapters—Material

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Sand free. from 3446' to 3704' with 16,400 gallons of oil and 20,000' sand.						

TOOLS USED

Rotary tools were used from 0 feet to 3446 feet, and from feet to feet
Cable tools were used from 3446 feet to 3704 feet, and from feet to feet

DATES

Put to producing 1955, 6-22-55
The production for the first 24 hours was 55 barrels of fluid of which % was oil; %

emulsion; % water; and % sediment.
If gas well, cu. ft. per 24 hours 8011.56 MCF

Rock pressure, lbs. per sq. in. 1084/11 days
Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

Driller, Driller
Fleeger-Hiley Drilling Company
J. W. McKimney
McKimney Drilling Company
Driller, Driller

Lee F. Barbee

J. M. Murphy

FROM—

175
3263
3446
3491

175
3263
3446
3491
3504

175
3088
183
45
113

Sand
Sand and shale
Sand, shale and coal
Sand
Sand and Bentonite

Pictured cliff 3446

TOTAL FEET

FORMATION

W. G. Lewis

FORMATION RECORD