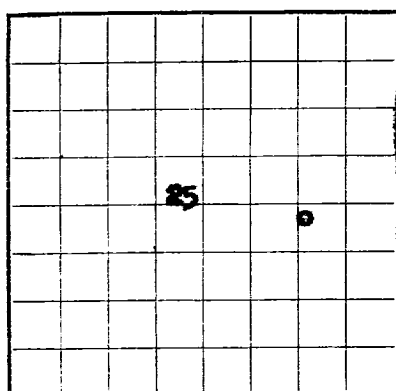


U. S. LAND OFFICE **Jicarilla Apache**
Title of Indians
 SERIAL NUMBER **Contract #105**
 LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
AUG 1 1959
OIL CON. COM. DEPA
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Building, Dallas, Texas
 Lessor or Tract Jicarilla Field Delacito P. C. State New Mexico
 Well No. 4-B Sec. 25 T. 26N R. 4W Meridian N.M.P.M. County Rio Arriba
 Location 1800 ft. {N} of 3 Line and 790 ft. {W} of 3 Line of Section 25 Elevation 7198
Drillers Association

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. Holt

Date August 6, 1950 Paul J. Cline, ~~Manager~~
Title Drilling and Production

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

Commenced drilling 6-23-59, 1959 Finished drilling 7-3-59, 1959

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

No. 1, from ~~3760~~ to ~~3810'~~ (8)
 No. 2, from ~~3837~~ to ~~3842'~~
 No. 3, from _____ to _____
 No. 4, from _____ to _____
 No. 5, 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
of shoe" in hole of casing were due to test for water and gas in the well. The casing was pulled out of the well and the hole was filled with cement. The casing was then pulled out of the well and the hole was filled with cement. The casing was then pulled out of the well and the hole was filled with cement.									
HISTORY OF OIL OR GAS WELL									
10-43096-1 0-11-1943									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2-5/8	211 KB	120	Ball 1 lb sack		
5-1/2	3906 KB	150	Ball 1 lb sack		
2"	3730				

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
surf. 3760-3810' and 3840-3842'			Pressed w/25,000# sand and 35,000 gals. water.			
			Re-pressed w/35,000# sand, 50,000 gals. water and dropped 100 rubber balls.			IR - 50 ft

TOOLS USED

Rotary tools were used from 0 feet to 3912 feet, and from _____ feet to _____ feet

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

DATES

July 22, 1939 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 11,000 Gallons gasoline per 1,000 cu. ft. of gas _____

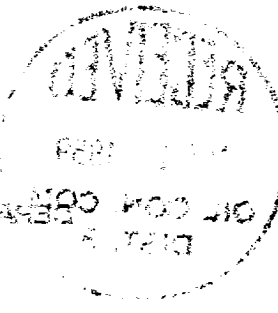
Rock pressure, lbs. per sq. in. ~~1000~~ (7 days)
EMPLOYEES

Fleeger Drilling Company	, Driller	Richard Rogers	, Driller
R. L. Lynch	, Driller	R. M. Jansen	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
—0—	3942	3942 TD	Sand and shale
			TOPS: Pictured Cliffs 3757'
FROM -	TO -	TOTAL FEET	FORMATION

U. S. GEOLOGICAL SURVEY
BUREAU OF MINERAL INVESTIGATION
WASHINGTON, D. C.



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company, _____
Location, _____
The information in this log is for the condition of the well and all work done thereon.
The information in this log is for the condition of the well and all work done thereon.
The information in this log is for the condition of the well and all work done thereon.

OIL OR GAS SANDS OR SHOTS

Not to be used for _____
Not to be used for _____
Not to be used for _____

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was attached or left in the well, give size and position. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET		TO		FROM	
FORMATION		TOTAL FEET					