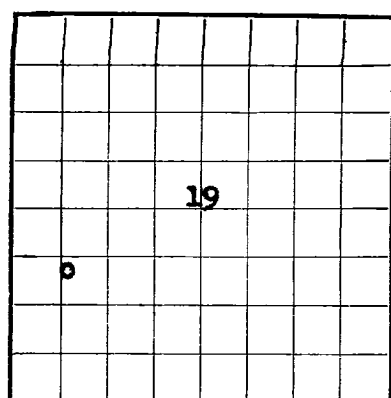


U. S. LAND OFFICE **Jicarilla Apache**  
SERIAL NUMBER **Tribe of Indians**  
LEASE OR PERMIT TO PROSPECT **Contract No. 103**

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 Bldg., Dallas, Texas  
Lessor or Tract Jicarilla Field So. Blanco P. C. State New Mexico  
Well No. 3-H Sec. 19 T. 26N R. 4W Meridian N.M.P.M. County Rio Arriba  
Location 1650 ft. N of S Line and 990 ft. E of W Line of Section 19 Elevation 6629'  
(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  
Date July 9, 1958 Title Mgr., Exploration Department

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

Commenced drilling 6-6-, 19 58 Finished drilling 6-11-, 19 58

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3208 to 3250 (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	32.24	8X6	H-40	170.00'					Surface Production
5-1/2	19.58	8X6	J-55	3208'					
HISTORICAL LOG 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	170'	150	Halliburton		
5-1/2	3208' HCB	150	Halliburton		
2"	3233'				

## 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
Perf. 3208-3250 - fraced with 86,142 gals. water & 100,000# sand, dropped 150 rubber balls, IR 50 BPM						

## TOOLS USED

Rotary tools were used from -0- feet to 3312 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

6-15-, 19 58 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 4291 MCF Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 1048 1/8 lbs

## EMPLOYEES

Fleeger Drilling, Inc. \_\_\_\_\_, Driller C. E. Ross \_\_\_\_\_, Driller  
R. G. Gerrard \_\_\_\_\_, Driller Toll Smith, Jr. \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	175	175	Hard sand
175	922	747	Sand & shale
922	1361	439	Shale
1361	1670	309	Sandy shale
1670	1910	240	Shale
1910	2647	737	Sandy shale
2647	2773	126	Sand & shale
2773	2983	210	Sandy shale
2983	3245	262	Shale & sand
3245	3312 TD	67	Sandy shale

TOPS: Pictured Cliffs 3179'

(OVER)

FORMATION RECORD—CONTINUED

16-43094-4