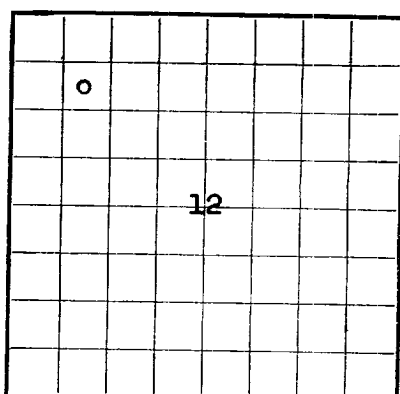


U. S. LAND OFFICE Jicarilla Apache
SERIAL NUMBER Tribe of Indians
LEASE OR PERMIT TO PROSPECT Contract No. 145

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. 8-K Sec. 12 T. 25N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 950 ft. XX of N Line and 990 ft. XX of W Line of Section 12 Elevation 7003'
(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. WiederkehrTitle Mgr., Exploration DepartmentDate July 9, 1958

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

Commenced drilling 5-29-, 1958 Finished drilling 6-3-, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3338 to 3378 (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	32.3#	8RD	H-40	106.71'					Surface Production
5-1/2	15.5#	8RD	J-55	3496'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	105'	125	Halliburton		
5-1/2	3486'	150	Halliburton		
2"	3361'				

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. 3338-3378 - fraced with 85,000 gals. water & 100,000# sand, dropped 160 rubber balls, IR 49 BPM.						

TOOLS USED

Rotary tools were used from -0- feet to 3378 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-8-, 1958 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 10,038 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 278#

EMPLOYEES

Fleeger Drilling, Inc., Driller Joe Yoston, Driller
Toll Smith, Jr., Driller J. B. McGill, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	108	108	Hard sand
108	1960	1852	Sand & shale
1960	2678	718	Shale
2678	2886	208	Shale & sand
2886	3000	114	Shale
3000	3170	170	Shale-shells
3170	3392	222	Shale & sand
3392	3487 TD	195	Shale

TOPS: Pictured Cliffs 3335'

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, 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.

16-42004-2 U. S. GOVERNMENT PRINTING OFFICE

WILSON, L. W. 1963. 1963. 1963.

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DOG ON OUT OF ENVIRONMENT

6:00 AM - 7:00 AM

REVIEW LITERATURE OF LACTIC ACID KIDNEY

THEORY OF THE FIRM

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
WASHINGTON, D.C. 20250

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