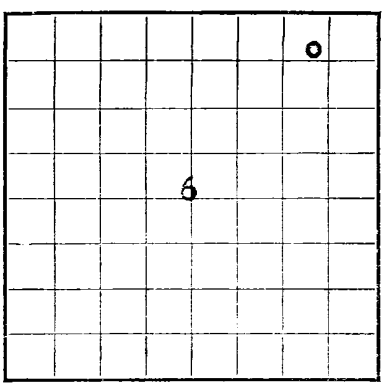
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER I-149-IND-8479
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Texas Company Address P.O. Box 1720, Fort Worth, Texas
Lessor or Tract Navajo Indian Allotted Lands "A" Field West Kutz Pictured Cliffs State New Mexico
Well No. 1 Sec. 6 T. 27N R. 12W Meridian NMPM County San Juan
Location 660 ft. [S.] of N Line and 825 ft. [W.] of E Line of Section 6 Elevation 5681'
(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 P.B. Crommon Jr.

Date December 22, 1953 Title Ass't Dis't Supt.

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

Commenced drilling December 2, 1953 Finished drilling December 12, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1289 to 1321 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 None 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 From—	Perforated To—	Purpose
10-3/4"	32.75	8R	Smls	101'	Tex. Pat.	-	-	-	Surface Csg
7"	20	8R	Smls	1274'	Tex. Pat.	-	-	-	Prod. Casing

Above figures exclude threads

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	109'	100	Halliburton	-	-
7"	1282'	175	Halliburton	-	-

PLUGS AND ADAPTERS

Heaving plug—Material None Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
4"	5	Nitroglycerine Oil Well Explosive	97 qts	12-12-53	1298-1338'	Cleaned out to 1352'

TOOLS USED

Rotary tools were used from 0' feet to 1282 feet, and from - feet to - feet
Cable tools were used from 1282' feet to 1352 feet, and from - feet to - feet

DATES

12-14, 1953 Put to producing on test 12-22, 1953

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 1350MCF Gallons gasoline per 1,000 cu. ft. of gas -
Rock pressure, lbs. per sq. in. 390

EMPLOYEES

J. W. Dean, Driller Paul Gritton, Driller
Bill Wells, Driller Irwin Fisher, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	110	110	Surface Sand & Shale
110	835	725	Dark Shale & Some Sand
835	1275	440	Red Shale
1275	1280	5	Black Shale
1280	1289	9	Gray Sand (Top of Pictured Cliffs 1280')
1289	1321	32	Porous Sand (Pay)
1321	1348	27	Gray Sand
1348	1352	4	Shale - Lewis
Total Depth		1352'	

Deviation Tests

520' -1/4°
1000' -1/2°
1275' -3/4°

[OVER]

16—43094-3

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

This well was spudded on 12-2-53 and 13-3/4" hole drilled to 110'. 10-3/4" OD surface casing was then set and cemented at 109' with 100 sacks cement. The cement circulated to the surface. An 8-3/4" hole was then drilled with Rotary tools to 1282'. 7" OD seamless casing was set and cemented at 1282' with 175 sacks cement. The well was then drilled with cable tools to total depth of 1352'. Gas was encountered in the Pictured Cliffs formation from 1289' to 1321'.

The gas volume tested 630 MCF before shooting on 12-12-53 with 97 quarts of oil well explosive from 1338' to 1298'. The hole was plugged back with gravel to 1338' and the shot tamped with 12' of gravel and 76' of calseal.

After shooting and cleaning out to total depth 1352' the gas tested 990 MCF/da on 12-13-53.

On 12-22-53 the gas volume measured 1350 MCF/day, after blowing 3 hours thru a 2" connection on the casing head. And the rock pressure after being shut in 8 days was 390#.

The well has been completed with 1" line pipe tubing set at 1328'.