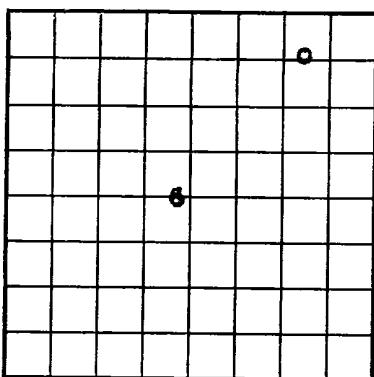




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **I-149-IND-8479**
LEASE OR PERMIT TO PROSPECT _____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" West Kutz State New Mexico
Well No. 1 Sec. 6 T. 27 R. 12W Meridian NMPM County San Juan
Location 660 ft. N of N Line and 325 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 W. H. BrownDate 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 14, 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 foot	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
10-3/4" O.D.	52.75	8R	Sals T-40	101'	Tex. Pat.	-	-	-	Surface Csg
7" O.D.	20	8R	Sals T-55	1274'	Tex. Pat.	-	-	-	Free 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 97 qts Oil Well Explosive	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

_____, 19____ 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 1350 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 390

EMPLOYEES

J. J. Dean, Driller Paul Critton, 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

Total Depth

1352'

Deviation Tests

520' - 1/4°
1000' - 1/2°
1275' - 3/4°

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank sheet of graph paper featuring a uniform grid of squares. The grid consists of approximately 20 columns and 20 rows of small squares, creating a coordinate plane suitable for plotting graphs or drawing geometric shapes. The lines are thin and black, set against a white background.

LOCATE WELL - CORRECTLY

After shooting and cleaning out to total depth 1352', the gas tested 990 MCF per day on 12-13-53. On 12-22-53 the gas volume measured 1350 MCF/day after blowing 3 hours and a 2" connection on the casing head. And the rock pressure after being shut in 8 days was 390#.

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 100' with 100 sacks cement. The cement extended to the surface. An 8-3/4" hole was then drilled with rotary tools to 1282'. 4" OD seamless casing was set and cemented at 1282' with 120 sacks cement. The well was then drilled with cable tools to total depth of 1282'. Gas was encountered in the fractured oil's formation from 1289' to 1321'. The gas volume tested 630 MCF before shutting 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 casing.

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
1000	1010	10	CLAY
1010	1020	10	CLAY
1020	1030	10	CLAY
1030	1040	10	CLAY
1040	1050	10	CLAY
1050	1060	10	CLAY
1060	1070	10	CLAY
1070	1080	10	CLAY
1080	1090	10	CLAY
1090	1100	10	CLAY
1100	1110	10	CLAY
1110	1120	10	CLAY
1120	1130	10	CLAY
1130	1140	10	CLAY
1140	1150	10	CLAY
1150	1160	10	CLAY
1160	1170	10	CLAY
1170	1180	10	CLAY
1180	1190	10	CLAY
1190	1200	10	CLAY
1200	1210	10	CLAY
1210	1220	10	CLAY
1220	1230	10	CLAY
1230	1240	10	CLAY
1240	1250	10	CLAY
1250	1260	10	CLAY
1260	1270	10	CLAY
1270	1280	10	CLAY
1280	1290	10	CLAY
1290	1300	10	CLAY
1300	1310	10	CLAY
1310	1320	10	CLAY
1320	1330	10	CLAY
1330	1340	10	CLAY
1340	1350	10	CLAY
1350	1360	10	CLAY
1360	1370	10	CLAY
1370	1380	10	CLAY
1380	1390	10	CLAY
1390	1400	10	CLAY
1400	1410	10	CLAY
1410	1420	10	CLAY
1420	1430	10	CLAY
1430	1440	10	CLAY
1440	1450	10	CLAY
1450	1460	10	CLAY
1460	1470	10	CLAY
1470	1480	10	CLAY
1480	1490	10	CLAY
1490	1500	10	CLAY
1500	1510	10	CLAY
1510	1520	10	CLAY
1520	1530	10	CLAY
1530	1540	10	CLAY
1540	1550	10	CLAY
1550	1560	10	CLAY
1560	1570	10	CLAY
1570	1580	10	CLAY
1580	1590	10	CLAY
1590	1600	10	CLAY
1600	1610	10	CLAY
1610	1620	10	CLAY
1620	1630	10	CLAY
1630	1640	10	CLAY
1640	1650	10	CLAY
1650	1660	10	CLAY
1660	1670	10	CLAY
1670	1680	10	CLAY
1680	1690	10	CLAY
1690	1700	10	CLAY
1700	1710	10	CLAY
1710	1720	10	CLAY
1720	1730	10	CLAY
1730	1740	10	CLAY
1740	1750	10	CLAY
1750	1760	10	CLAY
1760	1770	10	CLAY
1770	1780	10	CLAY
1780	1790	10	CLAY
1790	1800	10	CLAY
1800	1810	10	CLAY
1810	1820	10	CLAY
1820	1830	10	CLAY
1830	1840	10	CLAY
1840	1850	10	CLAY
1850	1860	10	CLAY
1860	1870	10	CLAY
1870	1880	10	CLAY
1880	1890	10	CLAY
1890	1900	10	CLAY
1900	1910	10	CLAY
1910	1920	10	CLAY
1920	1930	10	CLAY
1930	1940	10	CLAY