

U. S. LAND OFFICE **Jicarilla Apache**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Jicarilla Contract 146
Tract 243

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company _____ Address **Box 487 - Farmington, N. M.**
Lessor or Tract **Jicarilla Contract 146** Field **South Blanco-
Pictured Cliffs** State **New Mexico**
Well No. **8** Sec. **9** T. **25N** R. **5W** Meridian **NMPN** County **Rio Arriba**
Location **990** ft. **N.** of **3** Line and **1650** ft. **E.** of **E** Line of **Section 9** Elevation **6735 (GL)**
(Derrik 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 **L. B. Jones**Date **July 17, 1956**Title **Field Superintendent**

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

Commenced drilling **March 3,** 19 **56** Finished drilling **March 21,** 19 **56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2940** to **2995 (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—	
8-5/8"	32.75	Slip Joint	National	160'	Guide				Surface
5-1/2"	14.5	8 RT	CP&I	3018'	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	160'	100	Circulated		
5-1/2"	3018'	100	Circulated		

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

TOOLS USED

Rotary tools were used from **0** feet to **3018** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 27, 19 **56** Put to producing **Shut-in** _____, 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 **1,296,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **878 psig**

EMPLOYEES

F. L. Jones _____, Driller **Orval Cook** _____, Driller
E. B. Lewis _____, Driller **Jack Dean** _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2560	2560	Surface sand & shale
2560	2940	380	Kirtland-Fruitland
2940	3010	70	Pictured Cliffs

[OVER]

[illegible]

LOG OF OIL OR GAS

On March 3, 1956, this well was spudded. On March 5, 1956, 8-5/8" casing was landed at 160 feet and cemented with 100 sacks cement. After waiting on cement for three days, casing and water shut off were tested with 500 pounds for 30 minutes with no drop in pressure. Drilling operations were resumed.

On March 20, 1956, 5-1/2" casing was landed at 3018 feet and cemented with 100 sacks cement. After waiting on cement for 36 hours, casing and water shut off were tested with 1000 pounds pressure for 30 minutes with no drop in pressure. Completion operations were resumed.

On March 22, 1956, the well was perforated with four shots per foot from 2955 to 2960 feet and with two shots per foot from 2974 to 3000 feet. Well was then sand-water fracked through these perforations with 23,000 gallons water and 30,000 pounds sand. Breakdown pressure 3500 pounds average injection rate 36 barrels per minute. Preliminary test was 1,574 MCF per day.

[illegible]