

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Jicarilla Tribal

UNITED STATES Contract #37

DEPARTMENT OF THE INTERIOR TRACT #82

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Ken Blackford Address P. O. Box 108, Lubbock, Texas
Lessor or Tract Jicarilla Apache Field Otero PG (Ext) State New Mexico
Well No. 1-23 Sec. 23 T. 24N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. [S] of N Line and 990 ft. [E] of W Line of Section 23 Elevation 6695'
(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 Ken Blackford

Date April 20, 1957 Title Operator

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

Commenced drilling 2-26-57, 19 57 Finished drilling 4-8, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2410' to 2520' 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 24#	24#	8 Rd	GE&I	100'	Texas Pattern		2496	2520	Water frac
5 1/2 14#	14#	8 Rd	GE&I	253'	Halliburton		2496	2498	Water frac
							2420	2448	Water frac

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	108'	70	Pump		
5 1/2	2540'	100	Pump		

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 2550 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 14, 19 57 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 2130 MCF Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 660

EMPLOYEES

, Driller, Driller
, Driller, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	112	112	Surface Hole
112	900	788	Sand & Shale
900	1530	630	Shale & Sand
1530	2133	603	Sand & Shale
2133	2550	417	Shale & Sand
		2550'	Top Pictured Cliffs 2410'

[OVER]

FROM-	TO-	TOTAL FEET	FORMATION
FORMATION RECORD			
EMPLOYEES			
DATES			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND SPACERS			
MUDGING AND CEMENTING RECORD			

LOG NO. 10

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, 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

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No. 1 from	No. 4 from
No. 2 from	No. 5 from
No. 3 from	No. 6 from
IMPORTANT WATER SANDS	
No. 1 from	No. 3 from
No. 2 from	No. 4 from
OIL OR GAS SANDS OR LINES	
No. 1 from	No. 4 from
No. 2 from	No. 5 from
No. 3 from	No. 6 from

OIL OR GAS SANDS OR LINES

(Denote gas by G)

When bailing or pumping, state the position of the well as shown on this page for the location of the well as shown on this page.

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LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Based on Permit to Prospect
Serial Number
U. S. Land Office

Form 2-10

Approved by
Inspector