

Jicarilla Apache Tribal Council
U.S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

45

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Caswell Silver Address 323 Simms Building, Albuquerque
Lessor or Tract Jicarilla Apache #45 Field Wildcat State New Mexico
Well No. 1 Sec. 19 T. 23N R. 4W Meridian NMPM County Sandoval
Location 1650 ft. N of N Line and 990 ft. W of W Line of Sec. 19 Elevation 6883 Gr. DF
(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

Date February 1, 1956Title Operator

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

Commenced drilling January 4, 1956 Finished drilling January 9, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2514 to 2535 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	Curt and pulled from	Perforated		Purpose
							From—	To—	
9 5/8	40#	8 rd.	J55	100'	bell				Surface
5 1/2	15 1/2	8 rd.	J55	2378.82	float		2318	2334	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	84.42 below G.L.	90	circulated		
5 1/2	2378.82 below G.L.	75	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
9/16"	bullets	4 shots/ft.	4/ft.	1-15	2318-34	to shoe

TOOLS USED

Rotary tools were used from surface feet to T.D. feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 1, 1956 Put to producing shut-in for connection 1956
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 2,000,000 Gallons gasoline per 1,000 cu. ft. of gas 0
Rock pressure, lbs. per sq. in. 700

EMPLOYEES

C. E. Moore, Driller J. L. Hembree, Driller
Bill Lawrence, Driller _____, Driller

FORMATION RECORD

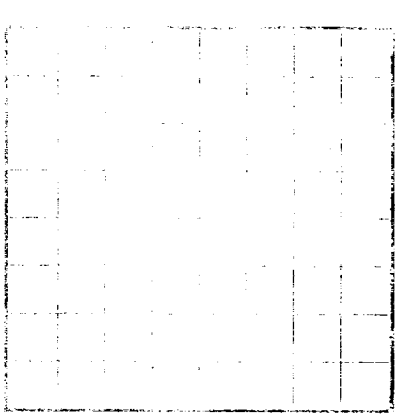
FROM—	TO—	TOTAL FEET	FORMATION
0	134	134	Sand & shale
134	250	116	Shale
250	390	140	Sand
390	740	350	Shale
740	800	60	Sand
800	820	20	Sand & shale
820	850	30	Shale
850	880	30	Sand
880	1020	140	Shale
1020	1030	10	Sand
1030	1110	80	Shale
1110	1120	10	Sand
1120	1210	90	Shale
1210	1340	130	Sandy shale
1340	1420	80	Shale
1420	1470	50	Sand
1470	1490	20	Shale
1490	1520	30	Sand
1520	1560	40	Shale
1560	1610	50	Sand
1610	1635	25	Shale
1635	1860	225	Sandy shale

[OVER]

16-43094-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company _____
Location _____
The formation given herewith is a complete and correct record of the well and all work done thereon
Signed _____

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.

Well drilled with no difficulty. Pipe set through Pictured Cliffs gas horizon as shown, swabbed dry. Perforated 4 shots per foot. Hydraulic fractured with 20,500 gallons of water 15,000 pounds of sand. Swabbed until well kicked off and flowed. Ran 2 inch tubing with 20' perforated joint at bottom.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
1860	2030	170	Sand
2030	2120	90	Shale
2120	2160	40	Sand
2160	2290	130	Shale
2290	2320	30	Coal
2320	2345	25	Sand & shale
2345	2400	55	Shale
2400	2442 K. B.	42	Sand & shale
2442 K. B.	2432 G. L.		
Corrected to surface level			