

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078194
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

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.

Original Signed W. F. Covert

Signed _____

Date November 6, 1956 Title Petroleum Engineer

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

Commenced drilling 6-17-56, 1956 Finished drilling 8-28-56, 1956

(Denote gas by G)

No. 1, from <u>2822</u>	to <u>2957 (G)</u>	No. 4, from <u>5168</u>	to <u>5283 (G)</u>
No. 2, from <u>4491</u>	to <u>4636 (G)</u>	No. 5, from <u>5168</u>	to <u>5283 (G)</u>
No. 3, from <u>4636</u>	to <u>5168 (G)</u>	No. 6, from <u>5168</u>	to <u>5283 (G)</u>

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	32.75	P.E.	S.W.	163'	Howco				Surface
7"	23	8 RD	J-55	672'					
7"	20	8 RD	J-55	403 1/2'	Baker				Prod. Csg.
5 1/2"	19.5	8 RD	J-55	552'	Baker				Liner
2"	4.7	8 RD	J-55	5196'					Prod. Tbg.

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	173'	250	Circulated		
7"	476'	300	Two stages (150 sacks on each stage)		
5 1/2"	4662-5314	150	Single stage		

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well History.				

Rotary tools were used from 175 feet to 4718 feet, and from 4718 feet to 5314 feet.

Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet.

9-9-56, 19 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 P.C. 3,289,000
M.V. 3,957,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. **P.C. 1106** ----- **A.C.F. - P.C. 3741** MCF/D.
M.V. 1098 EMPLOYEES **M.V. 5164** MCF/D.

_____, Driller _____, Driller
_____, Driller _____, Driller

FROM—	TO—	TOTAL FEET	FORMATION
0	1480	1480	Tan to gry cr-grn ss interbedded w/gry sh.
1480	1590	110	Ojo Alamo ss. White cr-grn s.
1590	2470	880	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2470	2822	352	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2822	2957	135	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2957	4491	1534	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4491	4636	145	Cliff House ss. Gry, fine-grn, dense sil ss.
4636	5168	532	Menefee form. Gry, fine-grn, s, carb sh & coal.
5168	5283	115	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5283	5314	31	Marcos formation. Gry carb sh.

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C. 20250

9-2-50 Pictured Cliff Port. 2822-2835, 2857-2862. Water treated at 13,900 Gallons water and 60,000 sand. Flush 470 gallons. Injection test 10.5 B.M. Maximum pressure 1000#, HDP 1000#, Treating pressure 750#. No natural gas. Gage 948 MCB/B. Temp. Plug 4750.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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.

8-31-56 Joint Lookout 5116-5126, 5168-5180, 5193-5204, 5218-5226, water fractured with 91,600 gallons water and 90,000 sand. Flush 9000 gallons. Maximum pressure 3000#, BHP 3000#, Treating pressure 1500#, Natural gas none.

9-1-56 Menefee temp. Plug 4900'. Perf. 4780-4797, 4834-4842. Later fractured with 52,800 gallons water and 60,000 sand. Flush with 1600 gallons. Injection rate 91.8 BFM. Maximum pressure 2200#, BHP 2200#, Treating pressure 1500#.

Menefee natural gas none. Page 1407 MCB/D.

HISTORY OF OIL OR GAS WELL

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