

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **081332**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor of Tract Federal Field Gavilan Pictured Cliffs State New Mexico
 Well No. 16-D Sec. 16 T. 25-N R. 2-W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. ^[N.]_[S.] of S. Line and 865 ft. ^[E.]_[W.] of E. Line of Section 16 Elevation 7254
 (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 ORIGINAL SIGNED A.M. SMITH

Date June 20, 1961 Title Petroleum Engineer

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

Commenced drilling ~~5-1-56~~-----, 19----- Finished drilling ~~5-9-56~~-----, 19-----

FILE ON OIL OR GAS SANDS OR ZONES

No. 1, from 3175 to 3225 (1) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____
 DATE 4-6-1914 BY BRUCE, JR. & W. H. HARRIS, JR. FOR BOTTOMS DIVISION
 2-10-14 JOHN NELSON, JR. **IMPORTANT WATER SANDS**

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
1 1/2	11 lbs	12	100	100	100	100	100	100	100
HISTORY OF OIL OF GAS WELLS									
TO RECORD IN THE GOVERNMENT MINING OFFICE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	94	50	Howco		
1/2"	3556	100	Howco 2 Plug		

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 _____ feet to _____ feet, and from _____ feet to _____ feet.

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

DATES

19	Put to producing	19
----	------------------	----

5-10- 61 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment.	Gravity, °Bé. -----
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If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3137	3137	Tan to gry cr-grn ss interbedded w/gry sh
3137	3350	213	Ojo Alamo ss. White cr-grn s.
3350	3382	32	Farmington ss. Lt gr, very fine to fine gr
			Sub Angular to sub rounded grn. Fair sort
			Chloritic bentonitic cement.
3382	3476	94	Farmington form. Gry carb sh, scattered co
			coals and gry, tight, fine-grn ss.
3476	3558	82	Pictured Cliffs forms. Gry, fine-grn,
			tight, varicolored soft ss.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

X									

[illegible]

_____ Date _____
The company on this page is authorized to release information only to you and no one else.

5-10-61 Total depth 3558'.
This well was plugged and abandoned in the following manner:

From	To	Description
No. 2 from	No. 1 from	1. Set cement plug across parts 3481-3504 1/2 x 25 sacks.
No. 2 from	No. 2 from	2. Cut 5 1/2" casing @ 1600', and pulled.
No. 3 from	No. 4 from	3. Set 25 sacks cement plug of casing string.
No. 3 from	No. 3 from	4. Set 25 sacks cement plug @ surface (see pg 6)
No. 3 from	No. 3 from	5. Set 4' x 4" pipe as permanent casing. 125' ON CONCRETE

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 substituted or left in the well, give the 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.

Contract	Well No.	Depth	Value	Amount	Kind of shoe	Cost and broken down	To	Purpose
8-20-38.	Well 981-3504.	1500'	I.R. 60 R.M.	The treated w/20,000' sand & 800 lbs. water.				

CASING RECORD

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
1000	950	50	1000-950
950	900	50	950-900
900	850	50	900-850
850	800	50	850-800
800	750	50	800-750
750	700	50	750-700
700	650	50	700-650
650	600	50	650-600
600	550	50	600-550
550	500	50	550-500
500	450	50	500-450
450	400	50	450-400
400	350	50	400-350
350	300	50	350-300
300	250	50	300-250
250	200	50	250-200
200	150	50	200-150
150	100	50	150-100
100	50	50	100-50
50	0	50	50-0