

Ute Mountain
U. S. LAND OFFICE Tribal Lands
SERIAL NUMBER I-22-Ind-2797
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 P.O. Box 997, Farmington, New Mexico
Lessor or Tract Ute Field Barker Creek Dome State New Mexico
Well No. 7 Sec. 19 T. 32N R. 14W Meridian N. M. P. M. County San Juan
Location 1685 ft. {N.} of S. Line and 1945 ft. {E.} of W. Line of Section 19 Elevation 6536
(Derive 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 E. J. Coal
Title Petroleum Engineer

Date September 20, 1951

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

Commenced drilling March 16, 1951 Finished drilling May 21, 1951OIL OR GAS SANDS OR ZONES
(Denote gas, by G)

No. 1, from 2846 to 3090 (G) No. 4, from 9084 to 9182 (G)
No. 2, from 8850 to 8920 (G) No. 5, from _____ to _____
No. 3, from 8970 to 9042 (G) 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—	
13-3/8"	54	8	Metl.	320	Ballb.				Surface
9-5/8"	26	8	Spang	1089	Ballb.				Intermediate
7	26	8	Young	1362	Ballb.		8850	8920	Production
7	23	8	Spang	1977	Ballb.		8976	9034	Production
2-1/2"	6.5		Young	9054					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	330	250	Circulated		
9-5/8"	3100	1100	Single Stage		
7	9350	1600	Two Stage		
2-1/2"	9064				

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
		See History for Acidizing				

TOOLS USED

Rotary tools were used from 0 feet to 9350 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Plug back in casing to 9085

DATES

Put to producing _____, 1951

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 _____Rock pressure, lbs. per sq. in. 2150 casing pressure

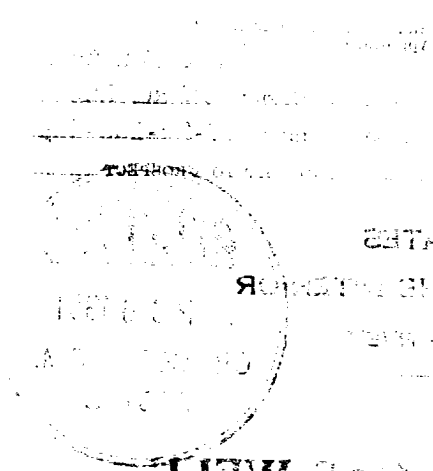
EMPLOYEES

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

FORMATION RECORD

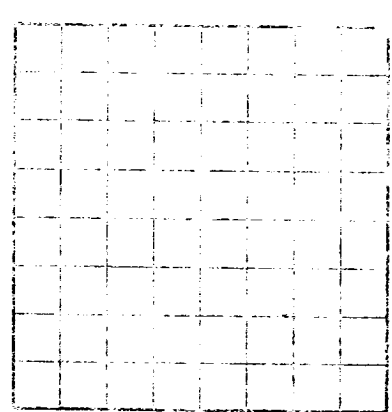
FROM—	TO—	TOTAL FEET	FORMATION
0	803	803	Mesaverde Group shales & sandstone.
803	2718	1915	Mancos Shale - buff to gray shales.
2718	2846	129	Greenhorn Formation - thin-bedded limestone & gray shales.
2846	3090	244	Dakota sandstone - white, med.-grained, tight, calc. ss, gray shales & coal.
3090	3656	566	Morrison Formation - green shales & white sil. tight ss.
3656	7205	3549	Red Beds - red sandy shales & red to buff shaley sandstone.
7205	7300	95	Rico Formation - Gray thin-bedded dense limestone & variegated shales.
7300	8386	1086	Hermosa Formation (Description as follows):
7300	7390	90	Gray to white very fine silty, dense limestone.
7390	7450	60	Gray, silty, to oolitic, porous limestone.
7450	7690	240	Tan to gray, very fine granular to silty, sl. porous, foss. limestone interbedded w/gray shales.
7690	7750	60	Gray, very fine granular, dense limestone.
7750	7820	70	Gray, oolitic, very foss. porous limestone.
7820	7940	120	White to gray, very dense xlyn. limestone.
7940	8000	60	Gray, fine oolitic, very porous limestone.
8000	8330	330	Gray to tan, very fine, granular to silty, dense limestone interbedded w/gray shales.
8330	8386	56	Tan, granular sl. oolitic, porous limestone.

FORMATION RECORD - CONTINUED



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company _____
Address _____
Well No. _____
Location _____
The information given hereafter is a true and correct record of the work done through
to the surface and the depth of the well is _____ feet.

Well produced gas, slight amounts of distillate and salty water in large quantities.
8850-8920 and 8976-9034.
Acidized with 1500 gal. of reg. HCL.
Perforated 8850-8920
Squeezed 8305-8335 with 110 sacks High Temp. Cement, successfully.
Perforated 8305-8335 Acidized w/3000 gal. Reg. HCL.
Perforated 8976-9034 Acidized w/500 gal. Mud Acid and 3000 gal. Reg. HCL.

Acid Record:

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.

HISTORY OF OIL OR GAS WELL

16-43084-1 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
8386	8590	204	Tan to gray, very fine granular to xlym, dense calc. shales.
8590	8670	80	Tan to brown, dense, sandy, soft dolomite.
8670	8810	140	Interbedded w/gray shales & argillaceous limestone.
8810	8890	80	Tan, fine xlym. st. porous, tan. limestone.
8890	9100	110	Tan to gray, fine granular to coarsely xlym. sh.
9100	9340	240	Tan to gray, granular to xlym., argillaceous, st. dol. limestone, interbedded w/gray & black shales
9340	9350 TD	10	Vertebrate shales containing large fusulids.
			Top Mancos
			Top Greenhorn
			Top Dakota
			Top Morrison
			Top Rico
			Top Hermosa
			Top Pardo
			Top Nolan
			803
			8718
			2846
			8990
			7205
			1300
			8386
			9340