



LOCATE WELL CORRECTLY

Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER 079363
LEASE OR PERMIT TO PROSPECT
14-00-001-1051UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 20-6 Unit Field Blanco M. V. & Wildcat P. C. State New Mexico
Well No. 80 (PM) Sec. 12 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. ~~XXX~~ of N Line and 1750 ft. ~~XXX~~ of E Line of Section 12 Elevation 6423 GL
(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 E. H. WOODDate September 9, 1958Title Petroleum Engineer

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

Commenced drilling 3-1, 1958 Finished drilling 6-20, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3193 to 3266 (G) No. 4, from 5502 to 5553 (G)
No. 2, from 4860 to 4970 (G) No. 5, from _____ to _____
No. 3, from 5366 to 5502 (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—	
10 3/4	32.75	E.E.	B.W.	162'	Howco				Surface
7 5/8	26.40	B Rd.	J-55	3357'	Baker				Intermediate
5 1/2	15.5	B Rd.	J-55	2253'	Baker				Prod. Liner
2	4.70	E Rd.	J-55	5395'					Prod. Tbg.
1 1/4	2.40	C Rd.	Grade A	3475'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	162'	150	Circulated		
7 5/8	3357'	150	Single Stage		
5 1/2	3295-5548'	250 & 100 sbs. squeeze.			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size Baker "ECI" Packer & 3360'

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 175 feet to 3372 feet, and from 3372 feet to 5553 feet Gas Drilled
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

_____ 6-20, 1958 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 1.C.1, 243,000 Gallons gasoline per 1,000 cu. ft. of gas MV-2,997,000Rock pressure, lbs. per sq. in. 10-1094; MV-1013 A.O.F. = P.C. 1254; MV-3706 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2448	2448	Tan to gry cr-grn ss interbedded w/gry sh.
2448	2653	205	Ojo Alamo ss. White cr-grn s.
2653	2956	303	Kirtland form. Gry sh interbedded w/gry fine-grn ss.
2956	3266	73	Fruitland form. Gry carb sh, scattered coals, coals & gry, tight, fine-grn ss.
3266	4860	1594	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4860	4970	110	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4970	5366	396	Cliff House ss. Gry, fine-grn, dense sil ss.
5366	5502	136	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5502	5553	51	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL.

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.

4-4-58 C.O.T.D. 5505'. Perf. w/2 DJ/ft. int. 5366-80; 5404-12; 5418-26; 5434-42; 5452-68; 5490-5500. Water frac. Point Lookout w/62,288 gal. water, 60,000# sand. Flush w/10,000 gal. water. I.R. 68.8 BPM. BDP 1000#, tr. pr. 1400-1500#, max. pr. 1750#, 4 stages - 3 drops of 20 balls.

4-5-58 Bridge plug at 5050'. Perf. w/4 DJ/ft. int. 4954-68. Water frac. Cliff House w/43,700 gal. water, 40,000# sand. Flush w/10,000 gal. water. I.R. 64.9 BPM. BDP 1750#, tr. pr. 1400#, max. pr. 1500#. Bridge plug at 3600'. Perf. w/2 DJ/ft. int. 3196-3210; 3224-34. Water frac. Pictured Cliffs w/25,887 gal. water, 30,000# sand. Flush w/6400 gal. water. I.R. 89.0 BPM. BDP 1750#, tr. pr. 1000#, max. pr. 1000#. Ran GR & Neutron logs from 3300-3100' and a tracer frac.