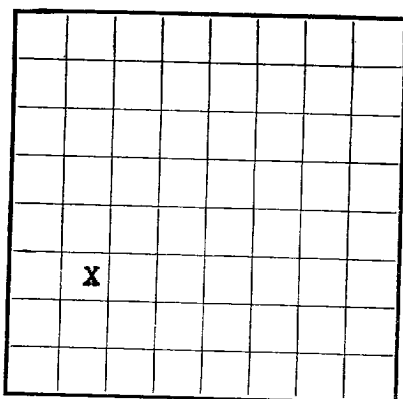
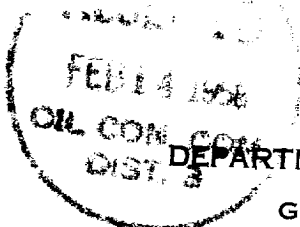




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080712
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Manning Field Blanco State New Mexico
Well No. 1-A Sec. 20 T. 30N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1550 ft. N. of S Line and 990 ft. E. of W Line of Sec. 20 Elevation 6251
(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 D. C. JohnstonDate February 7, 1958Title Petroleum Engineer

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

Commenced drilling 11-24, 1957 Finished drilling 12-11, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3171 to 3268 (G) No. 4, from 5379 to 5522 (G)
No. 2, from 5049 to 5090 (G) No. 5, from _____ to _____
No. 3, from 5090 to 5379 (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	P. E.	S.W.	162'	Howco				Surface Prod. Csg. Prod. Liner
7 5/8	26.4	8 Rd.	J-55	3354'	Baker				
5 1/2	15.5	8 Rd.	J-55	2282'	Baker				
2"	4.7	8 Rd.	J-55	5582'					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	172'	150	Circulated		
7 5/8	3370'	250	Single Stage		
5 1/2	3328-5610	300	Single stage & sq. w/100 sacks		

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 Well History

TOOLS USED

Rotary tools were used from 0 feet to 3374 feet, and from Gas Drilled 3374 feet to 5615 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-19, 1957 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 5,040,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1101 A.O.F. = 12464 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2185	2185	Tan to gry cr-grn ss interbedded w/gry sh.
2185	2350	165	Ojo Alamo ss. White cr-grn s.
2350	2862	512	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2862	3171	309	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3171	3268	97	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3268	5049	1781	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5049	5090	41	Cliff House ss. Gry, fine-grn, dense sil ss.
5090	5379	289	Menefee form. Gry, fine-grn s, carb sh & coal.
5379	5522	143	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5522	5615	93	Mancos formation. Gry carb sh.

FORMATION**TOTAL FEET**

—01

FROM—

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 balling.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

12-14-57
12-15-57
12-16-57
Baker No. BP set at 5350.
Placed Upper Point Lookout pert. Int. 5276-86; 5294-5306 (2/SF)
v/40,000 gal. water and 20,000# sand. Flush 19, 250 gal. water.
BDP 2450#, max. pr. 2450#, avg. tr. pr. 1650#. Used no balls.
(16 balls/set.)
1600-1600-2700-1850. I.R. 54.5 BHM. Injected 6 sets of balls
pr. 3000#. Flush 24,000 gal. Avg. tr. pr. 1300-1450-1650-
(2/SF), v/60,250 gal. water & 60,000# sand. BDP 2600#, max.
Int. 5386-5414; 5422-5442; 5454-5480; 5490-5510; 5560-5580
F. D. 5615, C.O.F.D. 5583. Placed. Lower Point Lookout pert.
squeezed top of liner w/100 sacks neat cement. Max. pr. 3000#.

Placed Upper Point Lookout belt. Int. 5276-86; 5294-5306 (2/SF)
v/40,000 gal. water and 20,000# sand. Flush 19, 250 gal. water.
HDP 2450#, max. pr. 2450#, avg. tr. pr. 1650#. Used no balls.