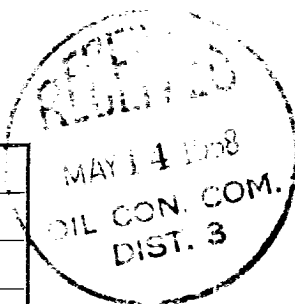


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078204
LEASE OR PERMIT TO PROSPECT _____

X									



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 997, Farmington, New Mexico
Lessor or Tract Sunray Field Astec P.C. Ext. State New Mexico
Well No. 3-D Sec. 21 T. 30N R. 10W Meridian N.M.P.M. County San Juan
Location 890 ft. N of S Line and 800 ft. E of W Line of Section 21 Elevation 6340'
(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.

Date May 8, 1958 Signed ORIGINAL SIGNED H.E. McANALLY
Title Petroleum Engineer

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

Commenced drilling 3-17-, 1958 Finished drilling 3-24-, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2864 to 2983 (G) No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ 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—	
8 5/8"	24.4	8 Rd.	J-55	119'	Hawco				Surface Prod. csg.
5 1/2"	15.5	8 Rd.	J-55	299'	Hawco				
1 1/4"	2.44	8 Rd.	Grade "A"	2883'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	129'	100	circulated		
5 1/2"	3009'	150	single stage		

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 3009 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----~~4-16~~-----, 19~~58~~ 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 632,000 Gallons gasoline per 1,000 cu. ft. of gas _____

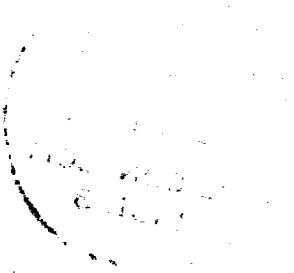
Rock pressure, lbs. per sq. in. 678 A.O.F.--637 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1531	1531	Tan to gry cr-grn ss interbedded w/gry sh.
1531	1678	147	Ojo Alamo ss. White cr-grn ss
1678	2517	839	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2517	2864	347	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2864	2983	119	Pictured Cliffs form. Gry, fine-grn, tight. varicolored soft ss.
2983	3009	26	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.



Perf. 2361-2374; 2602-2632; 2904-2910 w/2 cr/ft. Prec. w/35,000 gal. water and 35,000⁺ sand. Flushed w/2900 gal. water. B.B. 1800 psi, M.P. 2300 psi, trtg. 1700-1800-2000-2200. I.R. 72 B.P.M. 4 stage 2 ball drops 10 balls each, 1 ball drop 5 balls.

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