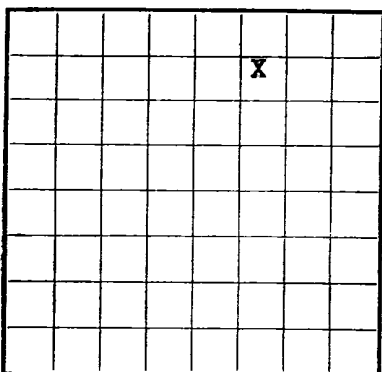
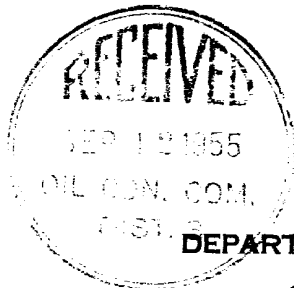




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079519-A
LEASE OR PERMIT TO PROSPECT 14-08-001-949

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-5 Unit Field Blanco State New Mexico
Well No. 3 Sec. 21 T. 28N R. 5E Meridian NMPM County Rio Arriba
Location 990 ft. N of N Line and 1650 ft. W of E Line of Section 21 Elevation 6646'
(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 W. F. CookDate August 4, 1955 Title Petroleum Engineer

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

Commenced drilling May 27, 1955 Finished drilling June 17, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3535 to 3625(G) No. 4, from 5701 to 5855 (G)
No. 2, from 5332 to 5440(G) No. 5, from _____ to _____
No. 3, from 5440 to 5701(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—	
9 5/8	25.4	P.E.	S.W.	159'	Howco				Surface
7	23	8 RD	J-55	581'					Prod. Thg.
2	4.7	8 RD	J-55	581'					Prod. Thg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	169'	125	Circulated		
7	5260'	500	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

Gas Drilled

Rotary tools were used from 0 feet to 5260 feet, and from 5260 feet to 5880 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ June 19, 1955 _____ 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 3,937,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1000

EMPLOYEES

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

FORMATION RECORD

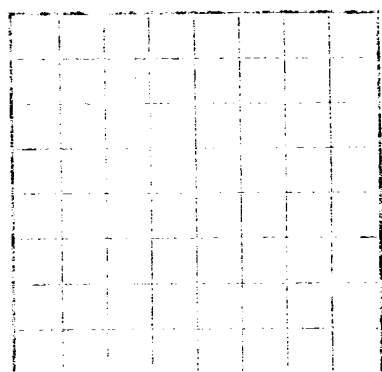
FROM—	TO—	TOTAL FEET	FORMATION
0	1690	1690	Tan cr-grn ss w/thin sh breaks.
1690	2095	405	Variegated sh w/thin ss breaks.
2095	2850	755	Tan to gry cr-grn ss interbedded w/gry sh.
2850	2990	140	Ojo Alamo ss. White cr-grn s.
2990	3282	292	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3282	3535	253	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3535	3625	90	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3625	5332	1707	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5332	5440	108	Cliff House ss. Gry, fine-grn, dense sil ss.
5440	5701	261	Menefee form. Gry, fine-grn s, carb sh & coal.
5701	5855	154	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5855	5880 T.D.	25	Mancos formation. Gry carb sh.

(OVER)

16-43094-3

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company Name _____
Location _____
The information given here is a complete and correct record of the well and work done on it, as far as can be determined from all available records.
Signed _____

Date _____
The summary on this page is for the condition of the well at the time of completion of the drilling.
Commenced drilling _____

OIL OR GAS SANDS OR ROCKS

June 15, 1955 Total Depth 5420', sandstone fractured cliff house, interval 5260' - 5420' with 15,000 gallons oil and 12,300# sand. Breakdown pressure and maximum pressure 1800 psi. Injection rate 8.1 bbls./min. Flush with 2100 gallons. Fan 600 lbs. Adomite in first 13,100 gallons. 64 hrs. gage, cliff house 714 MCF/D. Natural gage 102 MCF/D. Set retainer @ 5470'. Interval treated 5470' - 5880'. Treatment 14,340 gallons #2 diesel oil and 14,000# sand. Breakdown pressure 1800 psi, maximum pressure 1950 psi, minimum treating pressure 1650 psi. Injection rate 7.3 bbls./min. Flush 2120 gallons. Natural gage 714 MCF/D. 64 hr. gage, cliff house 714 MCF/D.

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

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