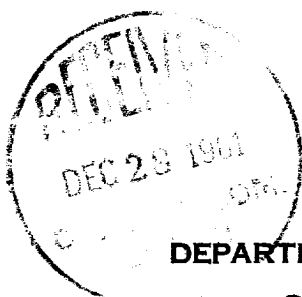


[illegible]

LOCATE WELL CORRECTLY



U. S. LAND OFFICE New Mexico
SERIAL NUMBER 010468
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Howell "J" Field Blanco M.V. State New Mexico
Well No. 4 Sec. 3 T. 30N R. 8W Meridian N.M.P.M. County San Juan
Location 1500 ft. N. of S. Line and 850 ft. E. of W Line of Section 3 Elevation 6210
(Derive from station to which

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. S. OBERLY _____

Date December 26, 1961 Title Petroleum Engineer

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

Commenced drilling 10-24- 19 61 Finished drilling 11-4- 19 61

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4766 to 4958(g) No. 4, from _____ to _____
4958 5278(g)
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from 5278 to 5424(g) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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"	11.3	8 rd	J-40	286	Ball	cut from top of casing			Surface
7 1/2"	9.2	8 rd	J-55	287	Ball	cut from top of casing			Intermediate
4 1/2"	10.3	8 rd	J-55	277	Ball	cut from top of casing			Intermediate
2 3/8"	4.7	8 rd	J-55	523	Ball	cut from top of casing			Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	300	200	circulated		
7"	3300	560	2 stage		
4 1/2"	3239-5416	215	single		

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
5243-48;5305-15;5318-23;		Perf Fl w/62,500 gal	water, 60,000# sand.		Flush w/8800 gal.	
5345-50;5391-36;5403-08;		IR 60 BPM. MP 2200#;	BEP 2200#; tr pr 2100#.			
4915-21;4977-59;4966-78;		Perf G.R. w/40,300 gal	water, 40,000# sd. Fl w/8700 gallons			
		IR 58 BPM. MP 2500#;	BEP 2500#; tr pr 2200-2300#.			

Rotary tools were used from 0 feet to 3300 feet, and from 3300 (Gas) feet to 5424 feet.

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

DATES

~~11-16~~ _____, 19 ~~61~~ 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 3,139,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 947 (csg) A.O.F. 8683 MCF/D

EMPLOYEES

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

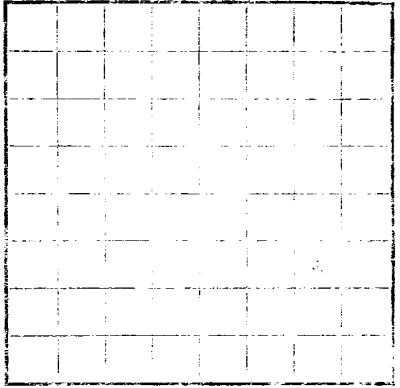
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 3100	3100 4766	3100 1666	Tan to gry cr-grn ss interbedded w/gry sh. Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4766 4958 5278	4958 5278 5424	192 320 146	Cliff House ss. Gry, fine-grn, dense sil ss. Menefee form. Gry, fine-grn s, carb sh & coal. Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5424			

U. S. LAND OFFICE
SERIAL NUMBER
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, Box 300, Farmington, New Mexico
Location of Town, Roswell, N. M., Field, Blanco N. V., State, New Mexico
Well No., 1, T. 36 N., R. 10 W., Meridian, N. M. P. M., County, San Juan
Elevation, 5200 ft. of S. Line and 5200 ft. E. of W. Line of Section 3
The information given herewith is a complete and correct record of the well and all work done thereon
to be as can be determined from all available records
Signed, O. C. Smith, P. M.
Date, December 25, 1937
Title, Petroleum Engineering

The summary on this page is for the condition of the well at above date.
Commenced drilling, 10-24-37, 10-24-37, 11-11-37, 11-11-37

OIL OR GAS SANDS OR ZONES

(Denote by (a))

No. 1, from 100 to 150 (a)
No. 2, from 150 to 200 (a)
No. 3, from 200 to 250 (a)

IMPORTANT WATER SANDS

No. 1, from 100 to 150
No. 2, from 150 to 200

CASING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10 1/2 in.	26 lb.	100 ft.	Standard	100 ft.	Standard	Standard	Standard	Standard

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 have been 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 parts of pipes were put in the well for water, state kind of material used, position, and results of pumping or packing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE
16-43004-2

FROM-		TO-		TOTAL FEET		FORMATION	
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