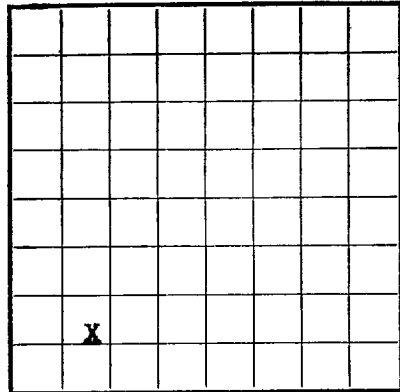


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078504
LEASE OR PERMIT TO PROSPECT _____



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 997, Farmington, New Mexico
Lessor or Tract San Juan 32-9 Unit Field Blanco State New Mexico
Well No. 68 Sec. 24 T. 32N R. 10W Meridian N.M.P.M. County San Juan
Location 990 ft. N. of S. Line and 990 ft. E. of W. Line of Section 24 Elevation 6802
(Derrik 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 H.E. McANALLY
Title Petroleum Engineer

Date June 30

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

Commenced drilling 3-23, 19 59 Finished drilling 4-15, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3628 to 3750 (G) No. 4, from 5906 to 6049 (G)
No. 2, from 5532 to 5578 (G) No. 5, from _____ to _____
No. 3, from 5578 to 5906 (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	Thread	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10 3/4	32.75	P.F.	S.V.	160'	Howco			Surface
7 5/8	26.4	P.F.	J-55	3079'	Howco			Intermediate
5 1/2	17.5	P.F.	J-55	6047'	Howco			Inner
2"	4.7	8 Rd.	J-55	6047'				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'	78	Circulated		
7 5/8	3889	138	Single Stage		
5 1/2	3804-6151	415	Single Stage & Squeeze		

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 175 feet to 3890 feet, and from 3890 feet to 6154 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

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 3,756,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1034 **A.O.F. 6919 MCF/D**

EMPLOYEES

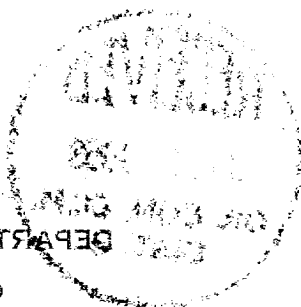
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undev.	3186	3186	Tan to gry cr-grn ss interbedded w/gry sh. Ojo Alamo ss. White cr-grn s.
3186	3628	442	Kirtland form. Gry sh interbedded w/tight gry fine gry ss.
3628	3750	122	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3750	5532	1782	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
5532	5578	46	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5578	5906	328	Cliff House ss. Gry, fine-grn, dense sil ss.
5906	6049	143	Manefee form. Gry, fine-grns, carb sh & coal.
6049	6154	105	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
			Mancos formation. Gry carb sh.

U.S. LAND OFFICE
FIELD NUMBER
LEASE OR PERMIT TO PRODUCE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Grid for well location: LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Name: ...
Field: ...
Section: ...
Location: ...
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: ...
The summary on this page is for the condition of the well at above date.

Oil or Gas Sands or Zones
Dropped 3 sets of 25 balls. Batted off after 3rd set. Flushed at 3000 ft.
3000 ft. var. 1000-2000-3000 ft. I.R. 69 B.M. Flush 9000 gal.
3 1/2 gal. 38,800 gallons water, 40,000 gal. sand, B.M. 1200 ft. var. pr.
part. int. 5558-66; 5710-76 1/4 in. 5714-28; 5714-24
had bridge plug at 5650. Water treated Kemmerer & Cliff House
batted off after 3rd drop. Flushed at 3000 ft. Set Gubbesson
balls. Batted off after 3rd drop. Flushed at 3000 ft. Dropped 3 sets of 23
1450-1800-3000 ft. I.R. 74.4 B.M. Flush 10,000 gal.
gal. water, 42,000 gal. sand, B.M. 1200 ft. var. pr. 1200
5928-30; 5930-62; 5964-72; 5978-92; 6012-10; 6028-40 (2 in. 1/4 in.) 37,600
4-18-59 I.D. 6154. C.O.D. 6070. Water traced point lookout part. Int. 5906-16j

HISTORY OF OIL OR GAS WELL

Table with columns: Date, Description, Remarks

SHOOTING RECORD

Table with columns: Date, Quantity, Explosive used, Staff used, Shot

TOOLS USED

Various tools used in the well, including rods, pumps, and valves.

DATES

Production started on 10-24-52. The production for the first 24 hours was ...

EMPLOYEES

Employees involved in the well operations.

FORMATION RECORD

Table with columns: FROM, TO, TOTAL FEET, FORMATION