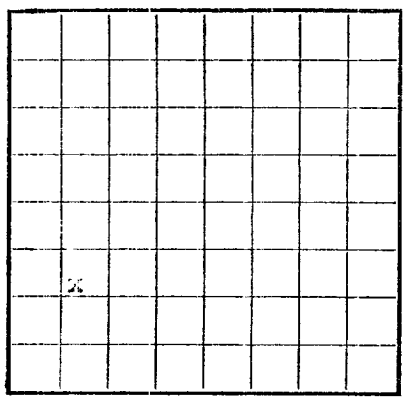
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 04208
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract McCulley Field Blanco & Wildcat State New Mexico
Well No. 2 (M) Sec. 14 T. 28N R. 9W Meridian N.M.P.M. County San Juan
Location 1850 ft. {N./S.} of S Line and 1090 ft. {E./W.} of E Line of Section 14 Elevation 5934'
(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. Johnson

Date May 22, 1957 Title Petroleum Engineer

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

Commenced drilling 2-1, 1957 Finished drilling 3-19, 1957

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2235 to 2317 (G) No. 4, from 4513 to 4630 (G)
No. 2, from 3905 to 3934 (G) No. 5, from ____ to ____
No. 3, from 3934 to 4513 (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 From—	Perforated To—	Purpose
10-3/4"	32.75	8 Rd.	S.W.	161'	Howco				surface
7-5/8"	26.4	8 Rd.	J-55	2406'	Baker				Prod.csg.
5-1/2"	15.5	8 Rd.	J-55	3355'	Baker				Prod.liner
2"	4.7	8 Rd.	J-55	4610'					Prod.tbg.
1-1/4"	2.3	8 Rd.	Grade B	3273'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	173'	150	circulated		
7-5/8"	2417'	300	single stage		
5-1/2"	2336-4691	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____
Adapters—Material ____ Size Baker Model "EGJ" Pkr. @ 2746'

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 2417 feet, and from Gas Drilled 2417 feet to 4691 feet
Cable tools were used from 0 feet to 175 feet, and from ____ feet to ____ feet

DATES

3-31, 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 F.C. 4,699,000 M.V. 3,905,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1023 A.O.F. = F.C. 5926 MCF/D & M.V. 5371 MCF/D

EMPLOYEES

____, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1182	1182	Tan to gry cr-grn ss interbedded w/gry sh.
1182	1332	150	Ojo Alamo ss. White cr-grn s.
1332	1934	602	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1934	2235	301	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2235	2317	82	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2317	3905	1588	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3905	3934	29	Cliff House ss. Gry, fine-grn, dense sil ss.
3934	4513	579	Menefee form. Gry, fine-grn s, carb sh & coal.
4513	4630	117	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4630	4691	61	Mancos formation. Gry carb sh.

[OVER]

16—43094-4

FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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 bailing.

3-24-57. Perf. P.L. = 4512-30; 4544-54; 4582-92; 4606-14; 4622-30 w/2 Dyna Jets/ft. Water fraced & pulled off after 40,000 gal. water & 30,000# sand.

3-27-57. Re-water fraced P.L. w/63,000 gal. water & 50,000# sand. B.D. pr. 1450 psi, max. pr. 1500 psi, avg. tr. pr. 1450 psi, I.R. 62.1 B.P.M. Flush 7000 gal. Temp. B.P. set 4490'. Perf. P.C. @ 2244-72; 2290-2302 w/2 Dyna Jets/ft. Water fraced w/47,000 gal. water, 40,000# sand. Max. pr. 1500 psi, avg. tr. pr. 1400 psi, I.R. 47., B.P.M. Flush 4000 gal.