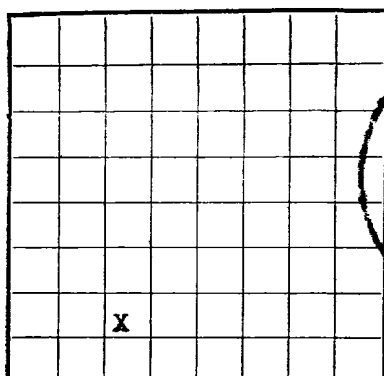


Form 9-830

U. S. LAND OFFICE New Mexico

SERIAL NUMBER 012202

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED

SEP 29 1959

OIL CON. CO.
DIST. 3

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 Bolack Field Blanco State New Mexico
Well No. 4-B Sec. 12 T. 27N R. 8W Meridian N.M.P.M. County San Juan
Location 850 ft. N of S Line and 1650 ft. E of W Line of Section 12 Elevation 6675
(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 By: D.H. Oheim

Date September 25, 1959

Title Petroleum Engineer

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

Commenced drilling 8-12, 19 59 Finished drilling 8-23, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3010 to 3095 (G) No. 4, from 5262 to 5409 (G)
No. 2, from 4680 to 4720 (G) No. 5, from _____ to _____
No. 3, from 4720 to 5262 (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—	
10 3/4"	12.75	8 Ra.	J-55	175	Blow	_____	_____	_____	_____
7 5/8"	10.5	8 Ra.	J-55	1138	Blow	_____	_____	_____	Intermediate
5 1/2"	15.5	8 Ra.	J-55	1038	Blow	_____	_____	_____	Prod. Liner
2"	4.7	8 Ra.	J-55	5338	Blow	_____	_____	_____	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"	173	220	Circulated		
7 5/8"	3207	125	Single Stage		
5 1/2"	3151-5485	414	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 175 feet to 3210 feet, and from 3210 feet to 5490 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

8-30, 19 59 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 2,079,000

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

Rock pressure, lbs. per sq. in. 1049

A.O.F. = 2380 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2165	2165	Tan to gry cr-grn ss interbedded w/gry sh.
2165	2260	95	Ojo Alamo ss. White cr-grn s.
2260	2745	485	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2745	3010	265	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3010	3095	85	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3095	4680	1585	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4680	4720	40	Cliff House ss. Gry, fine-grn, dense sil ss.
4720	5262	542	Menashee form. Gry, fine-grn s, carb sh & coal.
5262	5409	147	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5409	5490	81	Mancos formation. Gry carb sh.

FORMATION RECORD—CONTINUED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

OFF OR GAS SANDS OR ZONES

(C) and (D) are not correct.

IMPORTANT WATER

•STT99 02 10 293 T

No.	Name	Address	State	Amount	Relationship	Date and period from	Purpose
							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 substituted, 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

FROM-	TO-	TOTAL FEET	FORMATION
1000	1050	50	Hard formation. Gr. con. sh.
950	1000	50	Very hard sh. con.
900	950	50	Hard sh. con. with some ch.
850	900	50	Hard sh. con. with some ch.
800	850	50	Hard sh. con. with some ch.
750	800	50	Hard sh. con. with some ch.
700	750	50	Hard sh. con. with some ch.
650	700	50	Hard sh. con. with some ch.
600	650	50	Hard sh. con. with some ch.
550	600	50	Hard sh. con. with some ch.
500	550	50	Hard sh. con. with some ch.
450	500	50	Hard sh. con. with some ch.
400	450	50	Hard sh. con. with some ch.
350	400	50	Hard sh. con. with some ch.
300	350	50	Hard sh. con. with some ch.
250	300	50	Hard sh. con. with some ch.
200	250	50	Hard sh. con. with some ch.
150	200	50	Hard sh. con. with some ch.
100	150	50	Hard sh. con. with some ch.
50	100	50	Hard sh. con. with some ch.
0	50	50	Hard sh. con. with some ch.