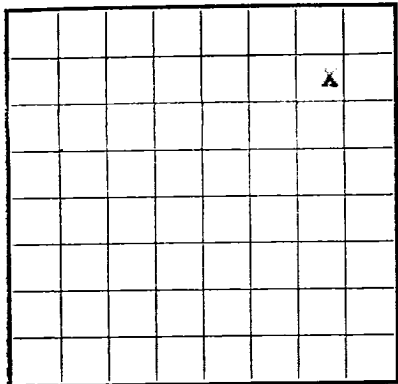


Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078738
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 997, Farmington, New Mexico
Lessor or Tract San Juan 30-5 Unit Field Blanco M. V. State New Mexico
Well No. 28-23-X Sec. 23 T. 30N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1427 ft. S. of N. Line and 1130 ft. W. of E. Line of Section 23 Elevation 6748
(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 R. G. MILLER

Date November 18, 1959 Title Petroleum Engineer

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

Commenced drilling 7-23, 1959 Finished drilling 9-9, 1959

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

No. 1, from 3485 to 3768 (G) No. 4, from 5890 to 6650 (G)
No. 2, from 5570 to 5660 (G) No. 5, from _____ to _____
No. 3, from 5660 to 5890 (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—	
13 3/8	48	8 Rd.	J-55	345	Circulated				Surface
9 5/8	36	8 Rd.	J-55	265	Single Stage				Intermediate
7	26	8 Rd.	J-55	1030	Single Stage	0-3725			Prod. Liner
1 1/4	24	10 Rd.	Grade A	5816					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	332	345	Circulated		
9 5/8	3852	265	Single Stage		
7	3725-7914	1030	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

TOOLS USED

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

DATES

Put to producing _____, 1959
9-16

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 3,227,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1,231 A.O.F. = 3360 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2810	2810	Tan to gry cr-grn ss interbedded w/gry sh.
2810	3024	214	Ojo Alamo ss. White cr-grn s.
3024	3307	283	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3307	3485	178	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3485	3768	283	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3768	5570	1802	Levis formation. Gry to white dense sh w/silty to shaly ss breaks.
5570	5660	90	Cliff House ss. Gry, fine-grn, dense sil ss.
5660	5890	230	Mamefe form. Gry, fine-grn s, carb sh & coal.
5890	6650	760	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6650	6911	261	Mancos formation. Gry carb sh.
6911	7655	744	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
7655	7884	229	Sanatee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7884	7935	51	Greenhour form. Highly calc gry sh w/thin last
7935	8075	140	Orderville form. Drk gry shale, fossil & carb
8075	8311	236	Bakota form. Lt to dk gry foss carb al calc al silty ss w/white incl thin sh bands clay & shale breaks.

FORMATION RECORD—Continued

U.S. LAND OFFICE
SOLICITOR GENERAL
DEPT. OF THE INTERIOR
WASHINGTON, D.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of white paper with a light gray grid pattern. The grid consists of horizontal and vertical lines forming small squares across the entire page. There are approximately 20 columns and 20 rows visible.[illegible]

NO. 08 CASES OR NO. 13

(1) 250 000 000

Set Baker Model K CI rate 57800, 800000 Dakota W/100 sbs. 100000
w/o 4 H-4, 800000 pr. 10000. Dumped 5 lbs cement on top.
HP at 7600. Belt. Point lookout and marker at 5696-7102, 5694-44;
5688-50; 5653-57; 5662-66; 5696-5904; 5690-33; 5944-25; 5697-714
1976-79; 5684-88; 5990-6000; 6005-07; 6009-15; 6028-32; 5606-47 (2 of 11.)
treated w/175,000 Gallons water, 50,000 sand. Flashed w/175,000
water, 50,000 sand. 50000, 12500, 12500, 12500, 12500, 12500, 12500, 12500,
Honor belt injector failed in dropping 88 balls in one shot and
had 200 sbs sand in, shot down, balls dropped off from belt and
trac, dropped 2 sets of 5 balls each.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued