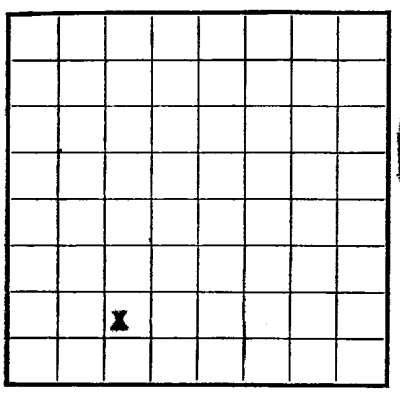
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078500-A
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
SEP 15 1959
OIL CON. COM.
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 San Juan 28-7 Unit Field Blanco State New Mexico

Well No. 105 Sec. 31 T. 28N R. 7W Meridian N.M.P.M. County Rio Arriba

Location 850 ft. [N.] of S Line and 1840 ft. [E.] of W Line of Section 31 Elevation 6223
(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 8, 1959 Title Petroleum Engineer

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

Commenced drilling 7-4, 1959 Finished drilling 7-14, 1959

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2685 to 2795 (G) No. 4, from 4910 to 5063 (G)

No. 2, from 4328 to 4430 (G) No. 5, from to

No. 3, from 4430 to 4910 (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from No. 3, from

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.	J-55	173	Baker				Intermediate
5 1/2	15.5	8 Rd.	J-55	5095	Baker				Prod. Csg.
2"	4.7	8 Rd.	J-55	5042					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	200	Circulated		
7 5/8	2900	113	Single Stage		
5 1/2	2820-5105	300	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 0 feet to 2900 feet, and from 2900 feet to 5107 feet Gas Drilled

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

DATES

7-18, 1959 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 2,587,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1,059 A.O.F. = 3144 MCF/D,

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1745	1745	T n to gry cr-grn ss interbedded w/gry sh.
1745	1927	182	Ojo Alamo ss. White cr-grn s.
1927	2460	533	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2460	2685	225	Fruitland form. Gry carb sh, scattered coals, & coals and gry, tight, fine-grn ss.
2685	2795	110	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft. ss.
2795	4328	1533	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4328	4430	102	Cliff House ss. Gry, fine-grn, dense sil ss.
4430	4910	480	Menefee form. Gry, fine-grn s, carb sh & coal.
4910	5063	153	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5063	5107	44	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

[OVER]

16—48094-4

FOLD | MARK

Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079500-A
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 15 1959
OIL CON. COM.
DIST. 3

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 29-7 Unit Field Blanco State New Mexico
Well No. 122 Sec. 31 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 790 ft. [N.] of S Line and 1040 ft. [E.] of W Line of Section 31 Elevation 6223
(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. Ohslen
Title Petroleum Engineer

Date September 8, 1959

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

Commenced drilling 7-4, 19 29 Finished drilling 7-14, 19 29

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2609 to 2705 (G) No. 4, from 4910 to 5063 (G)
No. 2, from 4326 to 4430 (G) No. 5, from to
No. 3, from 4430 to 4910 (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

7-16-59 Total depth 5101'. C.O.'d to 5100'. Water zone. Water footage here.
Int. 4000-4096; 4910-4960; 4962-4980; 4990-5020; 5028-5038;
w/67,680 gallons water & 60,000# sand. Max 3000#, max. pr. 3000#,
min. pr. 1300-1600-1700-1900-2000#; ISIP. 76.6 MM. Flush 6000 gallons.

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
9 5/8	15.5	8 Rd.	9-55	2032	Baker				Prod. Csg.

HISTORY OF OIL OR GAS WELL

If is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with circumstances for the work and its results. If shots were used, 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.

16—42094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	173	210	circulated		
7 5/8	2500	175	single stage		
5 1/2	2010-5105	300	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 0 feet to 5100 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

Gas Drilled

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 2,501,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1,055 A.C.F. - 3144 MCF/D

EMPLOYEES

Driller Driller
Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1145	1145	T n to gry cr-grn ss interbedded w/gry sh.
1145	1927	782	Ojo Alamo ss. White cr-grn s.
1927	2450	523	Kirtland form. Gry sh interbedded w/light gry fine-grn ss.
2450	2605	225	Fruitland form. Gry carb sh, scattered coals, c coals and gry, light, fine-grn ss.
2605	2725	110	Pictured Cliffs form. Gry, fine-grn, light, vertcolored soft. ss.
2725	4326	1535	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4326	4430	102	Cliff House ss. Gry, fine-grn, dense sil ss.
4430	4910	480	Menefee form. Gry, fine-grn s, carb sh & coal.
4910	5063	153	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5063	5107	44	Mancos formation. Gry carb sh.

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued