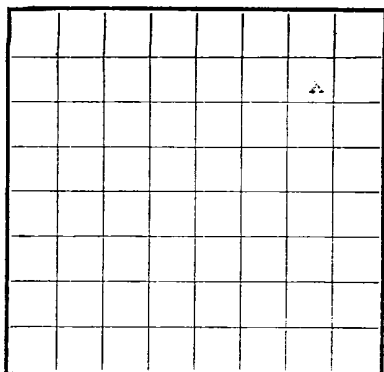




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 071112
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 Warren Field Blanco
Well No. 2-A (FM) Sec. 23 T. 29N R. 24W Meridian N.M.P.M. County San Juan
Location 217 ft. N of N Line and 1125 ft. E of W Line of Section 23 Elevation 421
(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. JohnstonDate December 22, 1957 Title Petroleum Engineer

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

Commenced drilling 4-14, 1957 Finished drilling 5-22, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2401 to 2502 (G) No. 4, from 4005 to 4077 (G)
No. 2, from 4070 to 4111 (G) No. 5, from _____ to _____
No. 3, from 4111 to 4685 (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	32.15	8.00	S. W.	162'	Howe				Surface
7 5/8	25.4	8.00	J-55	2704'	Howe				Prod. Gas.
5 1/2	19.3	8.00	J-55	2359'	Baker				Prod. Liner
2	4.7	8.00	J-55	10450'					Prod. Tubing
1 1/4	2.4	8.00	Grease	2404'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	172'	150	Circulated		
7 5/8	2370	250	Single stage		
5 1/2	2513-4716	300	Single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size 1.661 200 200 200

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 175 feet to 2770 feet, and from 2770 feet to 4521 feet
Cable tools were used from _____ feet to 175 feet, and from _____ feet to _____ feet

DATES

_____ 11-2, 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 FC-2,529,000 Gallons gasoline per 1,000 cu. ft. of gas _____
GV-3,500,000Rock pressure, lbs. per sq. in. SIFT-1032

EMPLOYEES

A.C.F. = P. C. 2790 M. V. 5402 MCF/D_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Ungevelped	1510	1510	Ojo Alamo ss. white cr-grn s.
1510	2095	585	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2095	2401	306	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2401	2502	101	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2502	4070	1468	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4070	4111	41	Cliff House ss. Gry, fine-grn, dense sil ss.
4111	4605	574	Menefee form. Gry, fine grn s, carb sh & coal.
4605	4077	192	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4077	4521	44	Mancos Formation. Gry, carb sh.

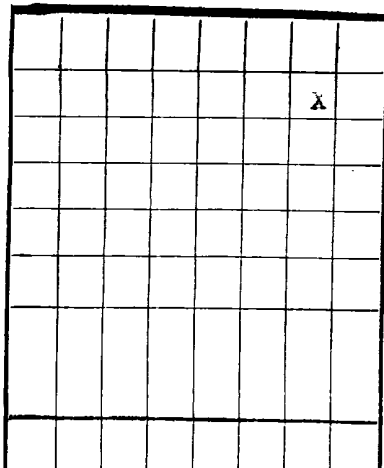
2. D. 4/21: 0.014 D. 4001. Fine. Monitors and R. L. thru parts.
 4422-4433; 4404-4413; 4404-D-01 to 4-410; 4/11-27; 4/10-05
 4/10-4201 2 sub/11. 4/04,000 Gate. water and 40,000 semi. Flinn
 0000 GATIONS. 18 10.0 B.M. Max. 18 10.0; 2000; 2100; 4000;
 2000. Int. 10 sets of 24 balls each.
 2000. 18 05 3000. 4000. L. C. thru parts. 2000-2000; 2000-2000
 1/2 sub/11 4/30,000 Gate. water and 30,000 semi. Flinn 1000
 GATIONS. 18 05.0 B.M. Max. 18 10.0; 3200; 18 10.0; 4000; 4000. 18
 18 1000-1100-2500. Injected 3 sets of 24 balls each.

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.

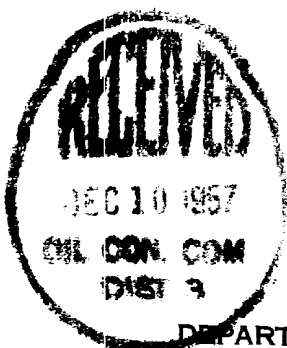
HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]



LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 07/112
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

S WELL

Company El Paso Natural Gas Company Address Box 99
Lessor or Tract Warren Field Blanco & Aztec P.C. - Anton, New Mexico
Well No. 2-A(PM) Sec. 23 T. 26N R. 9W Meridian N.M.P.M. Co. New Mexico
Location 917 ft. S. of N. Line and 1125 ft. W. of W. Line of Sect. 1 Juan
The information given herewith is a complete and correct record of the well as far as can be determined from all available records. Original Signed D. 6121
Signed _____ (tick floor relative to sea level)
Date December 5, 1957 Title Petro done thereon

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

Commenced drilling 4-14, 1957 Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2401 to 2582 (G) No. 4, from 4685 to 7
No. 2, from 4070 to 4111 (G) No. 5, from _____ to _____
No. 3, from 4111 to 4685 (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	32.75	P.R.	S.W.	102	Howco				Surface
7 5/8	26.75	P.R.	S.W.	250	Packer				Free Bag.
5 1/2	19.5	P.R.	S.W.	238	Packer				Free Liner
2	4.7	O.R.	J-5	105756	GIF OR CV2 ALF				Prod. Tubing
1 1/4	2.4	O.R.	Grade A	2484					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	172'	150	Circulated		
7 5/8	2576	250	Single Stage		
5 1/2	2516-4916	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Packer EGG Packer 3-2635'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 175 feet to 2576 feet, and from 2576 feet to 4921 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

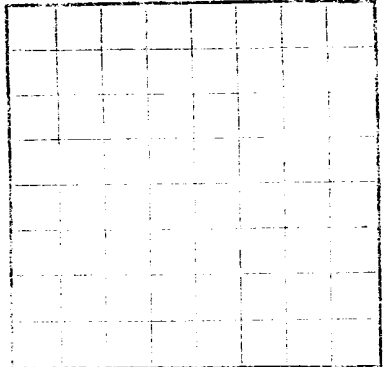
_____ 11-2, 1957 Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours PC-2,629,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. SIPT--1032

EMPLOYEES A.O.F. = P. C. 2798 MCF/D
M. V. 5462

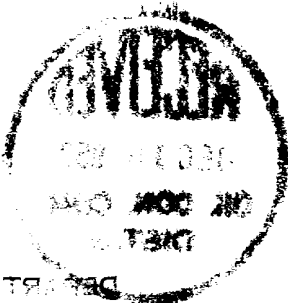
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	1510	1510	Ojo Alamo ss. White cr-grn s.
1510	2095	585	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2095	2401	306	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2401	2582	181	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2582	4070	1488	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4070	4111	41	Cliff House ss. Gry, fine-grn, dense sil ss.
4111	4685	574	Menefee form. Gry, fine grn s, carb sh & coal.
4685	4677	192	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4677	4921	44	Mancos formation. Gry carb sh.



LOCATE WELL CORRECTLY



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

WELL

Company Name _____
Location or Tract _____
Well No. _____
Location _____
The information given herewith is true and correct to the best of the knowledge of the undersigned.
Date _____

The summary of this log is given on the following page.
The summary of this log is given on the following page.

HISTORY OF OIL OR GAS WELL

6-25-57 T. D. 4721, C.C.I.D. 4004, Frac. Menetee and P. L. 4721 perfs. 4422-4736; 4420-4428; 4412-4420; 4664-4709; 4717-27; 4750-64; 4767-4801 2 shts/ft. w/ 90,000 gals. water and 90,000# sand. Flush 8000 gallons. IR 70.8 BPM. Max. tr. pr. 2900, 2050, 2100, 2350, 2900. Inf. 10 sets of 24 balls each.
6-25-57 Temp. B2 at 3500' in test perfs. 2416-2440; 2448-56; (2 shts/ft) w/ 36,600 gals. water and 36,600# sand. Flush 7000 gallons. IR 65.5 BPM. Max. tr. pr. 3200#, avg. tr. pr. 1000-1100-1700-2500. Injected 3 sets of 20 balls each.

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.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
FORMATION RECORD			
EMPLOYEES			
TOOLS USED			
SHOOTING RECORD			
SLUGS AND WIRE LINE			
MUDGING AND CEMENTING RECORD			



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077112
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 Warren Field Blanco & Aztec P.C. Ext. State New Mexico
 Well No. 2-A(PM) Sec. 23 T. 26N R. 9W Meridian N.M.P.M. County San Juan
 Location 917 ft. NS of N Line and 1125 ft. EW of W Line of Section 23 Elevation 6121

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. Original Signed D. C. Johnston
Signed _____

Date December 5, 1957 Title Petroleum Engineer

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

Commenced drilling 4-14, 1957 Finished drilling 6-22, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2401 to 2582 (G.) No. 4, from 4683 to 4877 (G.)
No. 2, from 4079 to 4111 (G.) No. 5, from to
No. 3, from 4111 to 4685 (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	32.75	8 R.	S. W.	162	Howco				Surface
10 3/4	32.75	8 R.	S. W.	250	Howco				Prod. Bag.
5 1/2	19.5	6 R.	J. 54	238	Howco				Prod. Liner
2"	4.7	0 R.	J. 54	1750	GIF OK CV2 A-E-T				Prod. Tubing
1 1/4	2.4	8 R.	Grade A	244					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	172'	150	Circulated		
7-5/8	2576	250	Single Stage		
5-1/2	2518-4916	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size ~~Baker EGJ~~ **Packer G-2635**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See Well History			

TOOLS USED

TOOLS USED

				Gas Drilled	
Rotary tools were used from	175	feet to	2578	feet, and from	2578 feet to 4921 feet
Cable tools were used from	0	feet to	175	feet, and from	feet to feet

DATES

----- 11-2 -----, 19-57- ----- 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 ~~PC-2,629,000~~
~~MY-3,885,000~~ Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ~~SIFT~~ - 1032 -

032-- EMPLOYEES A.O.F. = P. C. 2798 MCF/D
M. V. 5462

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	1510	1510	Ojo Alamo ss. White cr-grn s.
1510	2095	585	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2095	2401	306	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2401	2582	181	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2582	4070	1488	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4070	4111	41	Cliff House ss. Gry, fine-grn, dense sil ss.
4111	4685	574	Menefee form. Gry, fine grn s, carb sh & coal.
4685	4877	192	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4877	4921	44	Mancos formation. Gry carb sh.

