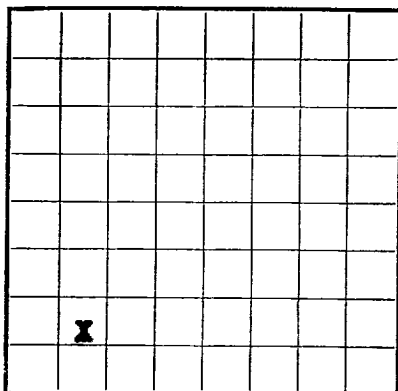
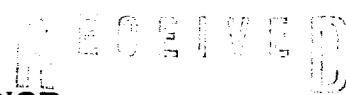




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **070736**
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYGEOLOGICAL SURVEY
WASHINGTON, D. C.

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **San Juan 29-5 Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **51** Sec. **14** T. **29-N** R. **5-W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1090** ft. **[N.]** of **8** Line and **800** ft. **[E.]** of **W** Line of **Section 14** Elevation **6759**
(Derriek 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 **[Signature]** Title **Petroleum Engineer**Date **July 5, 1961**

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

Commenced drilling **3-2-**, 19 **61**. Finished drilling **3-17-**, 19 **61**.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3720** to **3884 (G)** No. 4, from **5902** to **6138 (G)**
No. 2, from **5542** to **5626 (G)** No. 5, from _____ to _____
No. 3, from **5626** to **5902 (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—	
9-5/8"	23.3	8	2-37	130	2-37	0			Initial
7"	16.1	8	2-37	96	2-37	130			Intermediate
2-7/8"	6.1	14	2-37	130	2-37	130			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	365	300	circulated		
7"	389	96	single stage		
2-7/8"	6129	130	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
5910-16; 5936-32;		Free Mesa Verde w/70, 875 gal. water & 56,000% sand. HSP none,				
5936-42; 5964-70;		max pr 4000%, avg tr pr 3600%. I.R. 14.5 BPM. Flush 6605 gal.				
5998-6002; 6004-28;		After 40 balls, hole balled off. Released pressure & finished job.				

TOOLS USED

Rotary tools were used from **0** feet to **3900** feet, and from **3900** feet to **6138** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

S.I. 5-10-, 19 **61** 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 **899,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1001**

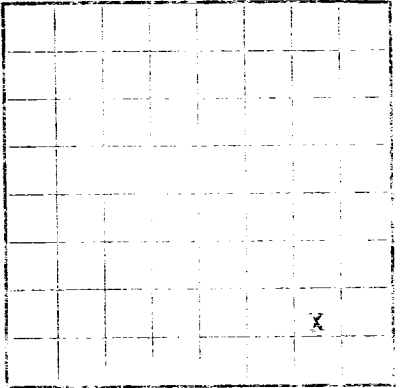
A.O.F. 907 NEF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2940	2940	Tan to gry cr-grn ss interbedded w/gry sh.
2940	3102	162	Ojo Alamo ss. White cr-grn s.
3102	3429	327	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3429	3720	291	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3720	3884	164	Pictured Cliffs form. Gry, fine-grn, tight varicolored soft ss.
3884	5542	1658	Lewis form. Gry, fine-grn, dense sil ss.
5542	5626	84	Cliff House ss. Gry, fine-grn, dense sil ss.
5626	5902	276	Menefee form. Gry, fine-grn s, carb sh & coal.
5902	6138	236	Point Lookout form. Gry, very fine sil ss w/fr sh breaks.



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PERMIT TO PROSPECT
SPECIAL NUMBER
U.S. LAND OFFICE
JANUARY 1930

Company: San Antonio Gas Company
Address: Box 100, Farmington, New Mexico
Field: San Juan 25-5 Unit
County: Rio Arriba
Section: 11
T. 25N R. 17W
Line: 12
The information given hereon is a complete and correct record of the well and all work done thereon.
It can be determined from all available records.

Date: January 1, 1930
The accuracy of this page is for the location of the well at above data.
Data not recorded during drilling: None

OIL OR GAS SANDS OR ZONES

Depth (feet)	From	To	Notes
10.1	from	11.0	(c) 100%
10.2	from	11.0	(d) 100%
10.3	from	11.0	(e) 100%

IMPORTANT WATER SANDS

10.1 from	11.0
10.2 from	11.0

CASING RECORD

Depth (feet)	Weight (lb./ft.)	Material	Remarks
10.1	11.0	100%	100%
10.2	11.0	100%	100%
10.3	11.0	100%	100%

HISTORY OF OIL OR GAS WELL

10-45004-2 U.S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD

Depth (feet)	Amount of mud used	Kind of mud	Remarks
10.1	11.0	100%	100%
10.2	11.0	100%	100%
10.3	11.0	100%	100%

PLUGS AND ADAPTERS

Depth (feet)	Size	Remarks
10.1	11.0	100%
10.2	11.0	100%

SHOOTING RECORD

Depth (feet)	Explosive used	Quantity	Date	Remarks
10.1	11.0	100%	100%	100%
10.2	11.0	100%	100%	100%

TOOLS USED

10.1	11.0	100%
10.2	11.0	100%

DATES

Depth (feet)	Date	Remarks
10.1	11.0	100%
10.2	11.0	100%

EMPLOYEES

Depth (feet)	Name	Remarks
10.1	11.0	100%
10.2	11.0	100%

FORMATION RECORD

Depth (feet)	Formation	Remarks
10.1	11.0	100%
10.2	11.0	100%
10.3	11.0	100%
10.4	11.0	100%
10.5	11.0	100%
10.6	11.0	100%
10.7	11.0	100%
10.8	11.0	100%
10.9	11.0	100%
10.10	11.0	100%