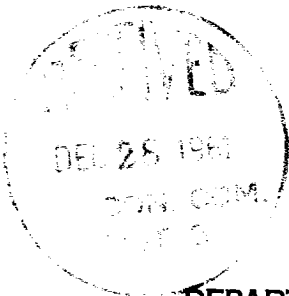


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078884
LEASE OR PERMIT TO PROSPECT _____



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 990, Farmington, New Mexico
Lessor or Tract Canyon Largo Field Otero Chacra Ext. State New Mexico
Well No. 107 Sec. 13 T. 25N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. EX of N Line and 1000 ft. EX of E Line of Section 13 Elevation 6699
(Derive from relative to corner)

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 _____

Date December 21, 1961 Title Petroleum Engineer

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

Commenced drilling 9-2------, 19 61 Finished drilling 9-7------, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3640 to 3826 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

MARK	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
	8 5/8"	106	160	Circulated		
2	7/8"	3807	420	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
3640-46; 3654-60;		Prac w/30, 297 gal water, 30,000# sand.				RDP 1800#, max pr
3692-98;		4100#, avg tr pr 3200-3400-4000#. I.R.				21.0 BPM. Flush
		903 gallons. Dropped 2 sets of 24 balls.				

TOOLS USED

Rotary tools were used from 0 feet to 3826 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 2, 1961 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 2,341,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 885 (casing) A.O.F. 2496 MCF/D

EMPLOYEES

....., Driller

....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2808	2808	Tan to gry cr-grn ss interbedded w/gry sh.
2808	3640	832	Cliff House ss. Gry, fine-grn, dense sil ss
3640	3826	186	Chacra form. Gry fine grn silty, glauconitic sand stone with drk gry shale.

97. 20750

ЭКОНОМИКА

SERIAL NUMBER

PLEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Date January 18, 1906
 Signed _____
 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.
 Title Petro and Johnson
 Location No. 2 of 4 Line and Loc. W. of 1 Line of Section 13 Township 13 North Range 10 East
 Well No. 10 Sec. 10 T. 13 N. R. 10 E. Meridian N.M.T.M. County San Antonio State New Mexico
 Lessor or Trust Corporation _____
 Company _____ as _____ Address _____
 (Please date relative to well)

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

Commenced drilling _____, 19____
Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote das by G)

No. 1, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

IMPORTANT WATER SANDS

-----	ot	-----	morì ,8. oN	-----	ot	-----	morì ,1. oN
-----	ot	-----	morì ,4. oN	-----	ot	-----	morì ,2. oN

CASING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

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

MUDDING AND CEMENTING RECORD	
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Size casing	Wire set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
4 1/2"	322	100	single case		
5 1/2"		200	double case		

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving plug—Material			

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

It gas well, cu. ft. per 24 hours	2,347,000	Gallons gasoline per 1,000 cu. ft. of gas	
% water; and % sediment.		Gravity, ° Bé.	
The production for the first 24 hours was		barrels of fluid of which % was oil; %	
Invested \$,	18 57	Put to producing	19

EMPLOYEES

	Driller	
Driller		

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
340	350	10	and some with grey shale.
350	360	10	Chert some thin grey shale.
360	370	10	Thin house rock, fine-grained, tan to grey, sh.

FORMATION RECORD—Continued

COLER

16-42084-2