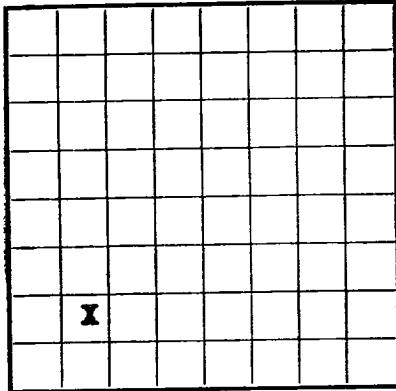


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078509
LEASE OR PERMIT TO PROSPECT 14-08-001-569

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 San Juan 32-9 Unit Field Blanco State New Mexico
Well No. 33 Sec. 6 T. 31N R. 9W Meridian NMPM County San Juan
Location 1180 ft. N. of S. Line and 1090 ft. E. of W. Line of Section 6 Elevation 6568'
(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 W. F. CourtDate August 3, 1955Title Petroleum Engineer

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

Commenced drilling May 25, 1955 Finished drilling June 17, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3382 to 3457 (G) No. 4, from 5669 to 5775 (G)
No. 2, from 5213 to 5303 (G) No. 5, from _____ to _____
No. 3, from 5303 to 5669 (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"	25.4#	P.E.	S.W.	161'	Howco				Surface
7"	21#	P.E.	S.W.	5190'					
7"	21#	P.E.	S.W.	5190'					
2"	4.7	8 RD	J-55	5729'					Prod. log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	171'	125	Circulated		
7"	5190'	500	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

Gas Drilled

Rotary tools were used from 0 feet to 5190 feet, and from 5190 feet to 5784 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

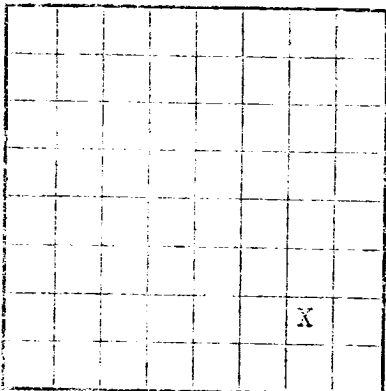
June 19, 1955 Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 6,602,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1040

EMPLOYEES

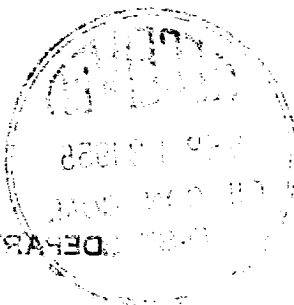
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	545	545	tan cr-grn ss w/thin sh breaks.
545	1040	495	Variegated sh w/thin ss breaks.
1040	2660	1620	tan to gry cr-grn ss interbedded w/gry sh.
2660	2724	64	Ojo Alamo ss. White cr-grn s.
2724	2965	241	Mirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2965	3382	417	Mirtland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3382	3457	75	Pictured Cliffs frm. Gry, fine-grn, tight, varicolored soft ss.
3457	5213	1756	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5213	5303	90	Cliff House ss. Gry, fine-grn, dense sil ss.
5303	5669	366	Manefee form. Gry, fine-grn s, carb sh & coal.
5669	5775	106	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5775	5780 T.D.	5	Mancos formation. Gry carb sh.



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company _____
Lessor or Trust _____
Well No. _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Date _____

The summary on this page is for the condition of the well at the date
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Cenozoic and older)
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

9.8 bbls./min. Flush 2200 gallons. Natural gas 100 MCF/D.
Breakdown pressure 1050#, maximum pressure 1200#, injection rate
Sandoli fractured point located from 5503' to 5182' with 18,700 gallons oil and

Injection rate 9.1 bbls./min. Flush 1750 gallons. Natural gas 117 MCF/D.
Breakdown pressure 1400#, maximum pressure 1500#, injection rate 11.50%
Sandoli fractured point located from 5190' to 5350' with 16,700
June 15, 1955 T.D. 5350'.
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 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 balling.

HISTORY OF OIL OR GAS WELL

10-45094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD

Depth	Where	Amount of cement	Method used	Additional information

LOGS AND APPENDICES

Logging rig—(Mudlog)
Mudlog—(Mudlog)

SHOOTING RECORD

Shot	Depth	Explosive used	Quantity	Result	Remarks

TOOLS USED

Heavy tools were used from _____ to _____
Light tools were used from _____ to _____

DATES

First production for the first 24 hours was _____
Production for the first 24 hours was _____
Production for the first 24 hours was _____
Production for the first 24 hours was _____
Production for the first 24 hours was _____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FORMATION	TO	FROM	FOOTAGE
Formation 1	0	100	100
Formation 2	100	200	200
Formation 3	200	300	300
Formation 4	300	400	400
Formation 5	400	500	500
Formation 6	500	600	600
Formation 7	600	700	700
Formation 8	700	800	800
Formation 9	800	900	900
Formation 10	900	1000	1000