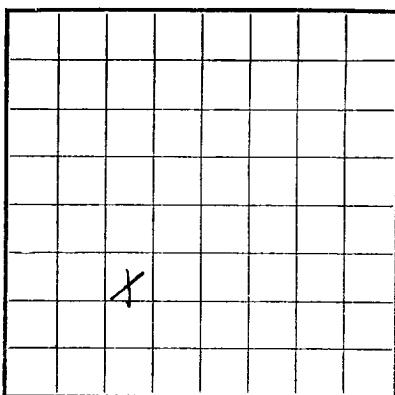


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 010989
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
AUG 6 1953U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract Horton Field Blanco State New Mexico
Well No. 1 Sec. 29 T. 32N R. 11W Meridian N. M. P. M. County San Juan
Location 1650 ft. N of S Line and 1650 ft. E of W Line of Section 29 Elevation 6565'
(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

Date August 4, 1953Title Petroleum Engineer

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

Commenced drilling May 26, 1953 Finished drilling June 23, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3221 to 3317 (G) No. 4, from 5484 to 5590 (G)
No. 2, from 4852 to 5002 (G) No. 5, from _____ to _____
No. 3, from 5002 to 5484 (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
9-5/8	25.4	S. W.	ARMC0	161	ARMC0			Surface
7"	23	8 RD	Youngst.	5562				Prod. Tbg.
2"	4.7	8 RD	Youngst.	5562				Prod. Tbg.

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	Circulation		
7"	4815'	300	Sing. 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
Quart	Regular	S.N.G.	1783	6-24-53	4896-5618	5618

TOOLS USED

Gas drilling

Rotary tools were used from 0 feet to 4815 feet, and from 4815 feet to 5618 feet

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

DATES

July 8, 1953

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 5,210,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1006

EMPLOYEES

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

FORMATION RECORD

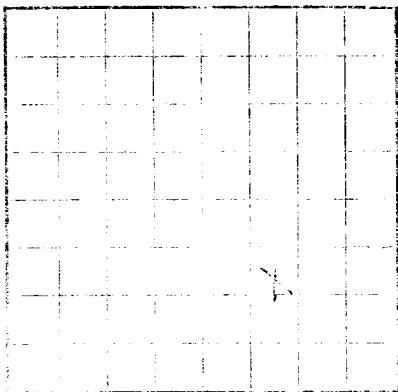
FROM—	TO—	TOTAL FEET	FORMATION
0	923	923	Tan cr-grn ss w/thin sh breaks.
923	1450	527	Variegated sh w/thin ss breaks.
1450	1980	530	Tan to gry cr-grn ss interbedded w/gry sh.
1980	2090	110	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1980.
2090	2740	650	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2090.
2740	3221	481	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2740.
3221	3317	96	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3221.
3317	4852	1535	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3317.
4852	5002	150	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 4852.
5002	5484	482	Manefee formation. Gry, fine-grn s, carb sh and coal. The top of Manefee 5002.
5484	5590	106	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5484.
5590	5618	28	Mancos formation. Gry carb sh. Top Mancos 5590.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

U. S. LAND OFFICE
SPECIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Form G-310



LOCATE WELL CORNER

Company, _____
Location of land, _____
Well No., _____
Location of well, _____

The information given herein is a complete and correct record of the work and all other information that can be determined from all available records.

Location of well, _____
Date of completion, _____

It is the policy of this Bureau to have the condition of the well at the time of completion of drilling _____

CHART OF GAS BANDS OR ZONES

Zone 1 from _____
Zone 2 from _____
Zone 3 from _____

IMPORTANT WATER BANDS

Zone 1 from _____
Zone 2 from _____

CASING RECORD

Kind of shoe _____
Kind of shoe _____



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 into test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE
10-48094-2

FORMATION RECORD		TOTAL FEET		FORMATION	
FROM	TO	THICKNESS	DESCRIPTION	FORMATION	THICKNESS
0	25	25	Reddish-brown sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Reddish-brown sandstone	25
25	50	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
50	75	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
75	100	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
100	125	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
125	150	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
150	175	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
175	200	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
200	225	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
225	250	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
250	275	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
275	300	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
300	325	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
325	350	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
350	375	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
375	400	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
400	425	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
425	450	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
450	475	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
475	500	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
500	525	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
525	550	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
550	575	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
575	600	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
600	625	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
625	650	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
650	675	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
675	700	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
700	725	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
725	750	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
750	775	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
775	800	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
800	825	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
825	850	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
850	875	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
875	900	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
900	925	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
925	950	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25
950	975	25	Dark gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Dark gray sandstone	25
975	1000	25	Light gray sandstone, medium bedded, contains small pebbles of quartz and feldspar.	Light gray sandstone	25

FORMATION RECORD—Continued