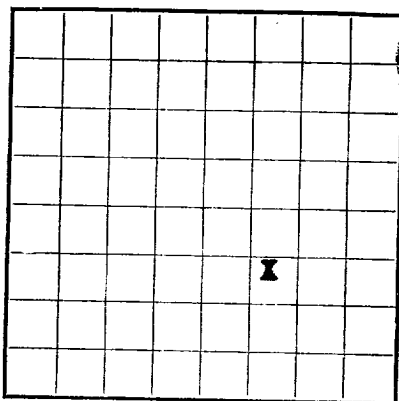


U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **LC 054667**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **P. O. Box 1384; Jal, New Mexico**
Lessor or Tract **Gregory Federal** Field **Jalmat** State **New Mexico**
Well No. **1** Sec. **33** T. **25 S.** R. **37 E.** Meridian **NMPM** County **Lea**
Location **1650 ft. [N.]** of **S** Line and **1650 ft. [E.]** of **E** Line of **Section 33** Elevation **2998.2 GL**
(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 **Larry C. Zink**
Title **Division Geologist**

Date **May 19, 1955**

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

Commenced drilling **April 1**, 19**55** Finished drilling **April 26**, 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2522** to **2556** No. 4, from _____ to _____
No. 2, from **2598** to **2664** No. 5, from _____ to _____
No. 3, from **2753** to **2821** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **250** to **290** No. 3, from **520** to **550**
No. 2, from **310** to **470** 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—	
8-5/8	32#		J-55	916	Guide Shoe & Float Collar				Surface
5-1/2	15#		J-55	3074	Guide Shoe & Float Collar				Production
2" NUE 4.7#	Tubing		J-55	2833			2753	2821	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	916	350	Halliburton		
5-1/2	3074	600	Halliburton		

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

TOOLS USED

Rotary tools were used from **0** feet to **3075** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 **19,000 MCFFD 40F** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **701.2**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	80	80	Caliche and surface sands
80	250	170	Red Beds
250	550	300	Water sands and red bed
550	913	363	Red Beds
913	1143	230	Bustler Anhydrite
1143	2360	1217	Salado, Salt and Anhydrite
2360	2521	161	Tansill, Dolomite and Anhydrite
2521	2821	300	Yates, sandstone, dolomite, and anhydrite
2821	3075 (TD)	254	Seven Rivers, dolomite with some sandstone

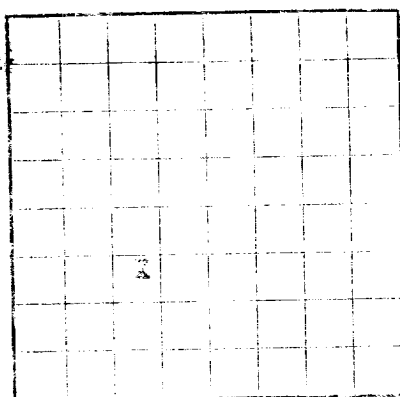
LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

PLEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U.S. LAND OFFICE
LAS CRUCES

Approval expires 12-31-25
Budget printed No. 43-11-3553

Form 9-330



LOCATE WELL CORRECTLY

Company: El Paso Natural Gas Company
Address: P. O. Box 1384, El Paso, Texas
State: New Mexico
County: El Paso
Section: 33
Line of 36: 1652 ft.
Location: 1652 ft. of 36: 1652 ft.
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: Division Geologist
Date: May 19, 1925

The summary on this page is for the condition of the well at above date.
Commenced drilling: April 1, 1925
Finished drilling: April 20, 1925

OIL OR GAS SANDS OR ZONES

No. 1, from	2322	to	2326	No. 4, from	to
No. 2, from	2326	to	2327	No. 5, from	to
No. 3, from	2327	to		No. 6, from	to

IMPORTANT WATER SANDS

No. 1, from	230	to	230	No. 3, from	230	to	230
No. 2, from	230	to	230	No. 4, from	to		

CASING RECORD

Casing	Weight per foot	Thrust per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
5-1/2"	30.7			600	Ball joint	Ball joint		
8-5/8"	21.6			350	Ball joint	Ball joint		

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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, location, and number of charges. If the well has been abandoned, give date, size, location, and number of charges. If the well has been abandoned, give date, size, location, and number of charges.

MUDDING AND CEMENTING RECORD

Casing	Weight per foot	Thrust per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
5-1/2"	30.7			600	Ball joint	Ball joint		
8-5/8"	21.6			350	Ball joint	Ball joint		

PLUGS AND ADAPTERS

Adapters—Material	Length	Depth set
Heavy plug—Material		

SHOOTING RECORD

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

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

DATES

Put to producing	1925	
The production for the first 24 hours was	% water; and % sediment	
It gas well cut ft. per 24 hours	10,000	
Rock pressure, lbs. per sq. in.	201.2	

EMPLOYEES

Driller	
Driller	

FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
Seven layers, dolomite with some sandstone	254	3075 (75)	2821
Yellow, sandstone, dolomite, and anhydrite	300	2821	2521
Tanish, dolomite and anhydrite	161	2521	2360
Saline, salt and anhydrite	1212	2360	1139
Water sand and red bed	363	1139	776
Red beds	363	776	413
Water sand and red bed	300	413	113
Red beds	170	113	43
Caliche and surface sands	50	43	0

FORMATION RECORD—Continued

FORMATION	TOTAL FEET	TO	FROM
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