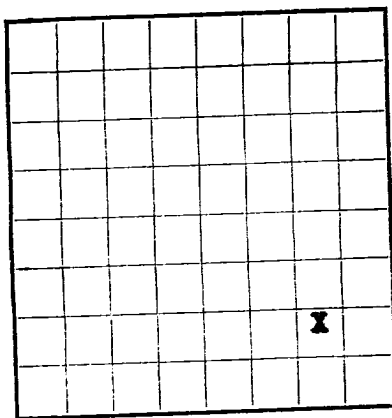


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078912
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Lindrith Unit Field Wildcat State New Mexico
Well No. 19 Sec. 12 T. 24N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. [N.] of S Line and 990 ft. [W.] of E Line of Sec. 12 Elevation 7133'
(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 R. S. Miller

Date June 4, 1957 Title Petroleum Engineer

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

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

Commenced drilling ----- 3-22 -----, 1957. Finished drilling ----- 3-25 -----, 1957.

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3280 to 3356 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

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U.S. DEPT. OF JUSTICE

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

IMPORTANT WATER SANDS
 DIST. 3

CASING RECORD

CASING RECORD							Perforated		Purpose
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	
9-5/8	25.4	P.E.	S.W.	121'	Howee				surface
5-1/2	15.5	P.E.	J-55	3246'	Howee				surface
1-3/4	2.3	P.E.	J-55	3246'	Howee				surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	132'	100	circulated		
5-1/2	3356'	150	single stage		

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

RECORD

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 3356 feet, and from _____ feet to _____ feet

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

DATES

DATES

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. _____

_____ 1,000 cu. ft. of gas _____

If gas well, cu. ft. per 24 hours **6,192,000** Gallons gasoline per 1,000 cu. ft. of gas -----
Rock pressure, lbs. per sq. in. **939** A.O.F. **8273 MCF/D**

EMPLOYEES

EMPLOYEES	
_____	Driller
_____	Driller

FORMATION RECORD

FORMATION			FORMATION
FROM—	TO—	TOTAL FEET	
0	2989	2989	Tan to gry cr-grn ss interbedded w/gry sh.
2989	3083	94	Ojo Alamo ss. White cr-grn s.
3083	3167	84	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3167	3280	113	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3280	3356	76	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A large grid of graph paper, approximately 10 units wide by 10 units high. A small, faint letter 'Y' is visible in the bottom-left corner of the grid.

LOCATE WELL CORRECTLY

Commenced drilling _____, 1931. Finished drilling _____, 1931. The summary on this page is for the condition of the well at above date. Date _____, 1931. Title _____

OIL OR GAS SANDS OR ZONES

(G) *Urethra* (G)

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

JUN 11 1957
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7 DIM. MAX. PL. 3000# B D 1500# IMPROVANT WATER GAIN#

No. 8 from
Plac w/45,000 gal.
No. 7 from
Water & 40,000 gal.
Plac w/4000 gal.

4-10-57. T.D. 3356. COTR 1351. RECORDED. 3280-90; 3308-20; 3332-46.

[illegible]

HISTORY OF OIL OR GAS WELL

BUILDING AND CEMENTING RECORD

Size casting	Wholesale	Number cases of cement	Method used	Mind gravel	Amount of sand used
1-2	120'	100	calculated		
1-3	120'	100	single test		

PLUGS AND ADAPTERS

Address—Material	Size	Design	Weight set
Heavy plug—Material			

SHOOTING RECORD

Serial Number	Investigative Unit	Priority	Date	Report filed	Length assigned out
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3					
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100					

TOOTS USED

TOOL USE		RATES	
Rotary tools were used from	_____ feet to _____ feet	_____ feet and from _____ feet to _____ feet	_____ feet
Cable tools were used from	_____ feet to _____ feet	_____ feet and from _____ feet to _____ feet	_____ feet

DATE

Rock pressure, lbs. per sq. in.	125
It gas well, cu. ft. per 24 hours	6,150,000
emulsion; % water; and % sediment	
The production for the first 24 hours was	15-16
Put to producing	13

EMPLOYEES

Driller	Driller	Driller
Driller	Driller	Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	2902	2902	Blue to red-orange sandstone with 10%
200	3002	3002	Blue to red-orange sandstone with 10%
300	3102	3102	Blue to red-orange sandstone with 10%
3102	3202	3202	Blue to red-orange sandstone with 10%
3202	3302	3302	Blue to red-orange sandstone with 10%
3302	3402	3402	Blue to red-orange sandstone with 10%
3402	3502	3502	Blue to red-orange sandstone with 10%
3502	3602	3602	Blue to red-orange sandstone with 10%
3602	3702	3702	Blue to red-orange sandstone with 10%
3702	3802	3802	Blue to red-orange sandstone with 10%
3802	3902	3902	Blue to red-orange sandstone with 10%
3902	4002	4002	Blue to red-orange sandstone with 10%
4002	4102	4102	Blue to red-orange sandstone with 10%
4102	4202	4202	Blue to red-orange sandstone with 10%
4202	4302	4302	Blue to red-orange sandstone with 10%
4302	4402	4402	Blue to red-orange sandstone with 10%
4402	4502	4502	Blue to red-orange sandstone with 10%
4502	4602	4602	Blue to red-orange sandstone with 10%
4602	4702	4702	Blue to red-orange sandstone with 10%
4702	4802	4802	Blue to red-orange sandstone with 10%
4802	4902	4902	Blue to red-orange sandstone with 10%
4902	5002	5002	Blue to red-orange sandstone with 10%
5002	5102	5102	Blue to red-orange sandstone with 10%
5102	5202	5202	Blue to red-orange sandstone with 10%
5202	5302	5302	Blue to red-orange sandstone with 10%
5302	5402	5402	Blue to red-orange sandstone with 10%
5402	5502	5502	Blue to red-orange sandstone with 10%
5502	5602	5602	Blue to red-orange sandstone with 10%
5602	5702	5702	Blue to red-orange sandstone with 10%
5702	5802	5802	Blue to red-orange sandstone with 10%
5802	5902	5902	Blue to red-orange sandstone with 10%
5902	6002	6002	Blue to red-orange sandstone with 10%
6002	6102	6102	Blue to red-orange sandstone with 10%
6102	6202	6202	Blue to red-orange sandstone with 10%
6202	6302	6302	Blue to red-orange sandstone with 10%
6302	6402	6402	Blue to red-orange sandstone with 10%
6402	6502	6502	Blue to red-orange sandstone with 10%
6502	6602	6602	Blue to red-orange sandstone with 10%
6602	6702	6702	Blue to red-orange sandstone with 10%
6702	6802	6802	Blue to red-orange sandstone with 10%
6802	6902	6902	Blue to red-orange sandstone with 10%
6902	7002	7002	Blue to red-orange sandstone with 10%
7002	7102	7102	Blue to red-orange sandstone with 10%
7102	7202	7202	Blue to red-orange sandstone with 10%
7202	7302	7302	Blue to red-orange sandstone with 10%
7302	7402	7402	Blue to red-orange sandstone with 10%
7402	7502	7502	Blue to red-orange sandstone with 10%
7502	7602	7602	Blue to red-orange sandstone with 10%
7602	7702	7702	Blue to red-orange sandstone with 10%
7702	7802	7802	Blue to red-orange sandstone with 10%
7802	7902	7902	Blue to red-orange sandstone with 10%
7902	8002	8002	Blue to red-orange sandstone with 10%
8002	8102	8102	Blue to red-orange sandstone with 10%
8102	8202	8202	Blue to red-orange sandstone with 10%
8202	8302	8302	Blue to red-orange sandstone with 10%
8302	8402	8402	Blue to red-orange sandstone with 10%
8402	8502	8502	Blue to red-orange sandstone with 10%
8502	8602	8602	Blue to red-orange sandstone with 10%
8602	8702	8702	Blue to red-orange sandstone with 10%
8702	8802	8802	Blue to red-orange sandstone with 10%
8802	8902	8902	Blue to red-orange sandstone with 10%
8902	9002	9002	Blue to red-orange sandstone with 10%
9002	9102	9102	Blue to red-orange sandstone with 10%
9102	9202	9202	Blue to red-orange sandstone with 10%
9202	9302	9302	Blue to red-orange sandstone with 10%
9302	9402	9402	Blue to red-orange sandstone with 10%
9402	9502	9502	Blue to red-orange sandstone with 10%
9502	9602	9602	Blue to red-orange sandstone with 10%
9602	9702	9702	Blue to red-orange sandstone with 10%
9702	9802	9802	Blue to red-orange sandstone with 10%
9802	9902	9902	Blue to red-orange sandstone with 10%
9902	10002	10002	Blue to red-orange sandstone with 10%

FORMATION RECORD—Continued

FORMATION

OVER)

TOTAL FEET

-01
