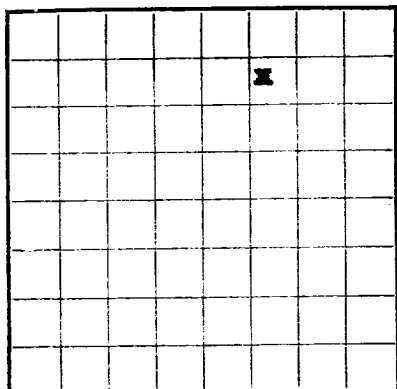


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080379
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address Box 997 Farmington, New Mexico
Lessor or Tract Bolack Field Blanco State New Mexico
Well No. 3-A Sec. 7 T 29N R. 6W Meridian N. M. P. M. County Rio Arriba
Location 990 ft. N. of N. Line and 1650 ft. E. of E. Line of Section 7 Elevation 6805
(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 J. Y. Tallock

Date February 25, 1953 Title Petroleum Engineer

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

Commenced drilling November 6, 1952 Finished drilling December 15, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3705 to 3785 (G) No. 4, from 5903 to 5975 (G)
No. 2, from 5368 to 5588 (G) No. 5, from _____ to _____
No. 3, from 5588 to 5903 (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—	
<u>9 5/8</u>	<u>25.44</u>	<u>8</u>	<u>S. W.</u>	<u>152</u>	<u>RCWCO</u>				<u>Surface</u>
<u>7"</u>	<u>18.75</u>	<u>8</u>	<u>Young</u>	<u>5336</u>	<u>RCWCO</u>				<u>Prod. Tubg.</u>
<u>2"</u>	<u>4.75</u>	<u>8</u>	<u>Young</u>	<u>6079</u>	<u>RCWCO</u>				<u>Prod. Tubg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>163</u>	<u>125</u>	<u>Circulated</u>		
<u>7"</u>	<u>5347</u>	<u>300</u>	<u>Slng. Stage</u>		

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
<u>Quart</u>	<u>Regular</u>	<u>S. N. G.</u>	<u>1320</u>	<u>12-15-52</u>	<u>5459-6079</u>	<u>6071</u>

TOOLS USED

Rotary tools were used from 0 feet to 5336 feet, and from 5336 feet to 6079 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 18, 1952 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 627,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1097

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	405	405	Tan cr-grn ss w/thin sh breaks.
405	915	510	Variegated sh w/thin ss breaks.
915	2825	1910	Tan to gry cr-grn ss interbedded w/gry sh.
2825	2925	100	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 2825.
2925	3460	535	Kirtland formation. Gry sh interbedded with tight, gry fine-grn ss. Top Kirtland 2925.
3460	3705	245	Fruitland formation. Gry carb sh, scattered coals & gry, tight, fine-grn ss. Top Fruitland 3460.
3705	3785	80	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 3705.
3785	5368	1583	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 3785.
5368	5588	220	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 5368.
5588	5903	315	Manefee formation. Gry, fine-grn s, carb sh and coal. Top Manefee 5588.
5903	5975	72	Point Lookout formation. Gry, v fine sil ss w/ frequent sh breaks. Top Point Lookout 5903.
5975	6079	104	Manco formation. Gry carb sh. Top/5975. <u>/Manco/</u>

CLASS OF PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE
PAGE NO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

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 _____

D. F. Jackson

Location _____ ft. S. _____ of _____ Line and _____ Meridian
Sec. _____ T. _____ R. _____
Well No. _____
Lessor or Trust _____
County _____ State _____
Company _____
Address _____
Elevation _____
(Derrick floor relative to sea level)

Commenced drilling _____, 1952 _____ Finished drilling _____, 1952 _____
The summary on this page is for the condition of the well at above date.
Date _____
Title _____

OIL OR GAS SANDS OR ZONES

(Derote das py G)

No. 1, from 3502 to 3503
No. 2, from 3504 to 3505
No. 3, from 3506 to 3507
No. 4, from 3508 to 3509
No. 5, from 3510 to 3511
No. 6, from 3512 to 3513

IMPORTANT WATER SANDS

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

CASING RECORD

[illegible]

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 dows or bridges were put in to test for leaks, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving pin—Material			

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
100 lb.	ANFO	ANFO	100	1-1-68	100 ft.	90 ft.

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

Rock pressure, lbs. per sq. in.	19
Gas well, cu. ft. per 24 hours	19
Emulsion; % water; and % sediment	
The production for the first 24 hours was	
Put to producing	19
Barrels of fluid of which % was oil; %	
Gravity, °Bé.	
Gallons gasoline per 1,000 cu. ft. of gas	

EMPLOYEES

Driller	_____	_____	_____
Driller	_____	_____	_____

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	000	000	Top of - 100 ft. above base.
100	100	100	Unconsolidated sand, 100 ft. thick.
200	200	200	Thin bedded sand, 200 ft. thick.
300	300	300	Thin bedded sand, 300 ft. thick.
400	400	400	Thin bedded sand, 400 ft. thick.
500	500	500	Thin bedded sand, 500 ft. thick.
600	600	600	Thin bedded sand, 600 ft. thick.
700	700	700	Thin bedded sand, 700 ft. thick.
800	800	800	Thin bedded sand, 800 ft. thick.
900	900	900	Thin bedded sand, 900 ft. thick.
1000	1000	1000	Thin bedded sand, 1000 ft. thick.
1100	1100	1100	Thin bedded sand, 1100 ft. thick.
1200	1200	1200	Thin bedded sand, 1200 ft. thick.
1300	1300	1300	Thin bedded sand, 1300 ft. thick.
1400	1400	1400	Thin bedded sand, 1400 ft. thick.
1500	1500	1500	Thin bedded sand, 1500 ft. thick.
1600	1600	1600	Thin bedded sand, 1600 ft. thick.
1700	1700	1700	Thin bedded sand, 1700 ft. thick.
1800	1800	1800	Thin bedded sand, 1800 ft. thick.
1900	1900	1900	Thin bedded sand, 1900 ft. thick.
2000	2000	2000	Thin bedded sand, 2000 ft. thick.
2100	2100	2100	Thin bedded sand, 2100 ft. thick.
2200	2200	2200	Thin bedded sand, 2200 ft. thick.
2300	2300	2300	Thin bedded sand, 2300 ft. thick.
2400	2400	2400	Thin bedded sand, 2400 ft. thick.
2500	2500	2500	Thin bedded sand, 2500 ft. thick.
2600	2600	2600	Thin bedded sand, 2600 ft. thick.
2700	2700	2700	Thin bedded sand, 2700 ft. thick.
2800	2800	2800	Thin bedded sand, 2800 ft. thick.
2900	2900	2900	Thin bedded sand, 2900 ft. thick.
3000	3000	3000	Thin bedded sand, 3000 ft. thick.
3100	3100	3100	Thin bedded sand, 3100 ft. thick.
3200	3200	3200	Thin bedded sand, 3200 ft. thick.
3300	3300	3300	Thin bedded sand, 3300 ft. thick.
3400	3400	3400	Thin bedded sand, 3400 ft. thick.
3500	3500	3500	Thin bedded sand, 3500 ft. thick.
3600	3600	3600	Thin bedded sand, 3600 ft. thick.
3700	3700	3700	Thin bedded sand, 3700 ft. thick.
3800	3800	3800	Thin bedded sand, 3800 ft. thick.
3900	3900	3900	Thin bedded sand, 3900 ft. thick.
4000	4000	4000	Thin bedded sand, 4000 ft. thick.
4100	4100	4100	Thin bedded sand, 4100 ft. thick.
4200	4200	4200	Thin bedded sand, 4200 ft. thick.
4300	4300	4300	Thin bedded sand, 4300 ft. thick.
4400	4400	4400	Thin bedded sand, 4400 ft. thick.
4500	4500	4500	Thin bedded sand, 4500 ft. thick.
4600	4600	4600	Thin bedded sand, 4600 ft. thick.
4700	4700	4700	Thin bedded sand, 4700 ft. thick.
4800	4800	4800	Thin bedded sand, 4800 ft. thick.
4900	4900	4900	Thin bedded sand, 4900 ft. thick.
5000	5000	5000	Thin bedded sand, 5000 ft. thick.
5100	5100	5100	Thin bedded sand, 5100 ft. thick.
5200	5200	5200	Thin bedded sand, 5200 ft. thick.
5300	5300	5300	Thin bedded sand, 5300 ft. thick.
5400	5400	5400	Thin bedded sand, 5400 ft. thick.
5500	5500	5500	Thin bedded sand, 5500 ft. thick.
5600	5600	5600	Thin bedded sand, 5600 ft. thick.
5700	5700	5700	Thin bedded sand, 5700 ft. thick.
5800	5800	5800	Thin bedded sand, 5800 ft. thick.
5900	5900	5900	Thin bedded sand, 5900 ft. thick.
6000	6000	6000	Thin bedded sand, 6000 ft. thick.
6100	6100	6100	Thin bedded sand, 6100 ft. thick.
6200	6200	6200	Thin bedded sand, 6200 ft. thick.
6300	6300	6300	Thin bedded sand, 6300 ft. thick.
6400	6400	6400	Thin bedded sand, 6400 ft. thick.
6500	6500	6500	Thin bedded sand, 6500 ft. thick.
6600	6600	6600	Thin bedded sand, 6600 ft. thick.
6700	6700	6700	Thin bedded sand, 6700 ft. thick.
6800	6800	6800	Thin bedded sand, 6800 ft. thick.
6900	6900	6900	Thin bedded sand, 6900 ft. thick.
7000	7000	7000	Thin bedded sand, 7000 ft. thick.
7100	7100	7100	Thin bedded sand, 7100 ft. thick.
7200	7200	7200	Thin bedded sand, 7200 ft. thick.

FORMATION RECORD—Continued