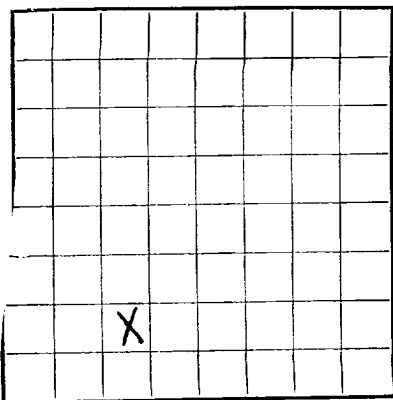




U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 979951
LEASE OR PERMIT TO PROSPECT 14-00-001-1051

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract San Juan 20-6 Unit Field Blanco State New Mexico
Well No. 3 Sec. 32 T. 20N R. 6W Meridian N. M. P. M. County Rio Arriba
Location 200 ft. N. of S. Line and 1709 ft. E. of W. Line of Section 32 Elevation 5460'
(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 [Signature]

Date November 18, 1953 Title Petroleum Engineer

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

Commenced drilling 10-1-53, 1953 Finished drilling 10-25-53, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3177 to 3235 (G) No. 4, from 5350 to 5474 (G)
No. 2, from 4010 to 4950 (G) No. 5, from _____ to _____
No. 3, from 4950 to 5350 (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	25.9	3.0	Armed	103'	Lower				Surface
7	23	3.0	Span	2165'	Baker				Prod. Log
7	20	3.0	Span	2779'	Baker				Prod. Log
2	11.7	3.0	Youngst.	5406'					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	175'	125	Circulated		
7	4755'	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
1/2	Regular	S.N.F.	100	10-27-53	4510-5474	5474

TOOLS USED

Rotary tools were used from 0 feet to 4755 feet, and from 4755 feet to 5474 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ October 31, 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 2,630,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1001

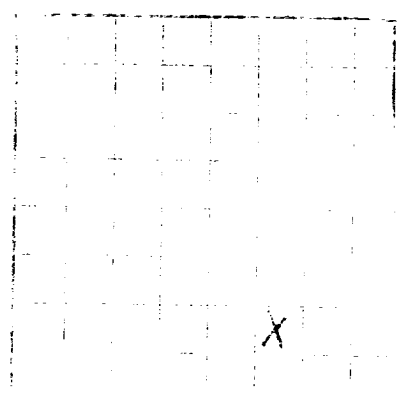
EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	792	792	Tan cr-grn ss w/thin sh breaks. Variegated sh w/thin ss breaks. Tan to gry cr-grn ss interbedded w/gry sh. Ojo Alamo ss. White cr-grn s. Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss. Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
792	1300	1008	
1300	2405	605	
2405	2525	120	
2525	2616	291	
2616	3177	361	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. Cliff House ss. Gry, fine-grn, dense sil ss. Menefee formation. Gry, fine-grn s, carb sh and coal. Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Mancos formation. Gry carb sh.
3177	3235	58	
3235	4010	1561	
4010	4950	142	
4950	5350	390	
5350	5474	116	

Ojo Alamo 2405 Cliff House 4010
Kirtland 2525 Menefee 4950
Fruitland 2616 Pt. Lookout 5350
Pict. Cliffs 3177
Lewis 3235



NEW 240 50 50 50 201

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[illegible]

The number of people in the nation of the world who are

Date _____

2110X 310 20142 0411 201 1111

Q. How many?

0822 0000

[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 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

U. S. GOVERNMENT PRINTING OFFICE 10-43094-2

RECORDING OF THE FOLLOWING RECORD

SEP 24 1964

EXHIBIT 97-0012

GROSSER WINTERSBOM

27C - 273K

Tan-cr-gm ss w/ thin sh breaks.
 Variegated sh w/ thin ss breaks.
 Tan to grv cr-gm ss interbedded w/ grv sh.
 Ojo Alamo ss. White cr-gm ss.
 Kirtland formation. Grv sh interbedded w/ light
 grv fine-grn ss.
 Pictured formation. Grv crv sh, scattered coals
 coals and grv, light fine-grn ss.
 Pictured Gills formation. Grv, fine-grn, light,
 variegated ss.

Lewis formation. Gr. to white dense sh w/siltst
 no shaly or breccia.
 Gills. Brown to grey thin, wavy, dense sh. ss.
 Mottled formation. Gr. thin-gr. carb. sh and
 sand.
 Point Lookout formation. Gr. very fine sil ss
 w/ fragment sh. breccia.
 Manganese formation. Gr. carb. sh.