

U. S. LAND OFFICE Monte, Pa
SERIAL NUMBER 07296
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES **RECEIVED**
DEPARTMENT OF THE INTERIOR **APR 9 1958**
GEOLOGICAL SURVEY **U. S. GEOLOGICAL SURVEY**
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Rincon Unit Field South Blanco P.C. State New Mexico
Well No. 109 Sec. 19 T 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1050 ft. 3300 of N Line and 840 ft. E of W Line of Section 19 Elevation 6598'
(Depth in feet)

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.

Date **April 7, 1958** Title **Petroleum Engineer**

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

Commenced drilling **February 3,** 19**58** Finished drilling **February 9** 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3108 to 3189 (a) No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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	Used for		Purpose
							From—	To—	
8 5/8"	24	8 Rt.	J-25	119'	Heavy				Surface
5 1/2"	18.5	8 Rt.	J-25	225'	Heavy				Surface
If the shoe is not pulled out to make a complete log, the shoe is pulled out to the side of the log, and the shoe is pulled out to the side of the log.									
HISTOKA CR 017 CR CV2 MERT									
1 1/4"	2.4	8 Rt.	Grade "A"	3153'					Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	129'	100	circulated		
5 1/2"	3246'	150	single 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
		See Well History				

TOOLS USED

Rotary tools were used from 0 feet to 322 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 23, 1958 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 2,405,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1061 **A.O.F.—2627 MEV/D**

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2411	2411	Tan to gry cr-grn ss interbedded w/gry sh.
2411	2514	103	Ojo Alamo ss. White cr-grn s.
2514	2578	64	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2578	3108	230	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3108	3189	81	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3189	3252	63	Levis formation. Gry to white dense sh w/silty to shaly ss breaks.

[OVER]

16-43094-4

FOAMING TON RECORD - continued

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
2500	2550	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2550	2600	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2600	2650	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2650	2700	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2700	2750	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2750	2800	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2800	2850	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2850	2900	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2900	2950	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.
2950	3000	50	Shale to sandstone, brown, silty, fine-grained, medium bedded, weathering to a yellowish-brown color.

FROM	TO	TOTAL FEET	FORMATION
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FORMATION RECORD

Driller	Driller
Driller	Driller

EMPLOYEES

Rock breaker, for the entire well.	Driller, for the entire well.
If the well is to be drilled to a depth of 3,000 feet, the following equipment is required:	Driller, for the entire well.
The production for the first 24 hours was	Driller, for the entire well.
1,000 gal. per day.	Driller, for the entire well.

DATES

Cable tools were used from	1900 to 1900	feet and from	1900 to 1900
Rotary tools were used from	1900 to 1900	feet and from	1900 to 1900

TOOLS USED

Size	Depth used	Depth used	Quantity	Date	Depth used	Depth used
1/2"	100'	100'	1	1900	100'	100'
3/4"	100'	100'	1	1900	100'	100'
1"	100'	100'	1	1900	100'	100'
1 1/2"	100'	100'	1	1900	100'	100'
2"	100'	100'	1	1900	100'	100'
3"	100'	100'	1	1900	100'	100'
4"	100'	100'	1	1900	100'	100'
5"	100'	100'	1	1900	100'	100'
6"	100'	100'	1	1900	100'	100'
8"	100'	100'	1	1900	100'	100'
10"	100'	100'	1	1900	100'	100'

SHOOTING RECORD

Driller	Driller
Driller	Driller

PLUGS AND ADAPTERS

1/2"	100'	100'	1	1900	100'	100'
3/4"	100'	100'	1	1900	100'	100'
1"	100'	100'	1	1900	100'	100'
1 1/2"	100'	100'	1	1900	100'	100'
2"	100'	100'	1	1900	100'	100'
3"	100'	100'	1	1900	100'	100'
4"	100'	100'	1	1900	100'	100'
5"	100'	100'	1	1900	100'	100'
6"	100'	100'	1	1900	100'	100'
8"	100'	100'	1	1900	100'	100'
10"	100'	100'	1	1900	100'	100'

SHOOTING AND GUNNING RECORD

1/2"	100'	100'	1	1900	100'	100'
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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 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 "side-tracked" 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 bailing.

Case No.	Well No.	Depth	Kind of plug	Case and pump from	From	To	Remarks
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

IMPORTANT WATER SANDS

10' 3' from	10' 3' from	10' 3' from	10' 3' from
10' 5' from	10' 5' from	10' 5' from	10' 5' from
10' 7' from	10' 7' from	10' 7' from	10' 7' from
10' 9' from	10' 9' from	10' 9' from	10' 9' from

OIL OR GAS SANDS OR ZONES

Continued drilling	Continued drilling	Continued drilling	Continued drilling
10' 3' from	10' 3' from	10' 3' from	10' 3' from
10' 5' from	10' 5' from	10' 5' from	10' 5' from
10' 7' from	10' 7' from	10' 7' from	10' 7' from
10' 9' from	10' 9' from	10' 9' from	10' 9' from
10' 11' from	10' 11' from	10' 11' from	10' 11' from
10' 13' from	10' 13' from	10' 13' from	10' 13' from
10' 15' from	10' 15' from	10' 15' from	10' 15' from
10' 17' from	10' 17' from	10' 17' from	10' 17' from
10' 19' from	10' 19' from	10' 19' from	10' 19' from
10' 21' from	10' 21' from	10' 21' from	10' 21' from
10' 23' from	10' 23' from	10' 23' from	10' 23' from
10' 25' from	10' 25' from	10' 25' from	10' 25' from
10' 27' from	10' 27' from	10' 27' from	10' 27' from
10' 29' from	10' 29' from	10' 29' from	10' 29' from
10' 31' from	10' 31' from	10' 31' from	10' 31' from
10' 33' from	10' 33' from	10' 33' from	10' 33' from
10' 35' from	10' 35' from	10' 35' from	10' 35' from
10' 37' from	10' 37' from	10' 37' from	10' 37' from
10' 39' from	10' 39' from	10' 39' from	10' 39' from
10' 41' from	10' 41' from	10' 41' from	10' 41' from
10' 43' from	10' 43' from	10' 43' from	10' 43' from
10' 45' from	10' 45' from	10' 45' from	10' 45' from
10' 47' from	10' 47' from	10' 47' from	10' 47' from
10' 49' from	10' 49' from	10' 49' from	10' 49' from
10' 51' from	10' 51' from	10' 51' from	10' 51' from
10' 53' from	10' 53' from	10' 53' from	10' 53' from
10' 55' from	10' 55' from	10' 55' from	10' 55' from
10' 57' from	10' 57' from	10' 57' from	10' 57' from
10' 59' from	10' 59' from	10' 59' from	10' 59' from
10' 61' from	10' 61' from	10' 61' from	10' 61' from
10' 63' from	10' 63' from	10' 63' from	10' 63' from
10' 65' from	10' 65' from	10' 65' from	10' 65' from
10' 67' from	10' 67' from	10' 67' from	10' 67' from
10' 69' from	10' 69' from	10' 69' from	10' 69' from
10' 71' from	10' 71' from	10' 71' from	10' 71' from
10' 73' from	10' 73' from	10' 73' from	10' 73' from
10' 75' from	10' 75' from	10' 75' from	10' 75' from
10' 77' from	10' 77' from	10' 77' from	10' 77' from
10' 79' from	10' 79' from	10' 79' from	10' 79' from
10' 81' from	10' 81' from	10' 81' from	10' 81' from
10' 83' from	10' 83' from	10' 83' from	10' 83' from
10' 85' from	10' 85' from	10' 85' from	10' 85' from
10' 87' from	10' 87' from	10' 87' from	10' 87' from
10' 89' from	10' 89' from	10' 89' from	10' 89' from
10' 91' from	10' 91' from	10' 91' from	10' 91' from
10' 93' from	10' 93' from	10' 93' from	10' 93' from
10' 95' from	10' 95' from	10' 95' from	10' 95' from
10' 97' from	10' 97' from	10' 97' from	10' 97' from
10' 99' from	10' 99' from	10' 99' from	10' 99' from
10' 101' from	10' 101' from	10' 101' from	10' 101' from
10' 103' from	10' 103' from	10' 103' from	10' 103' from
10' 105' from	10' 105' from	10' 105' from	10' 105' from
10' 107' from	10' 107' from	10' 107' from	10' 107' from
10' 109' from	10' 109' from	10' 109' from	10' 109' from
10' 111' from	10' 111' from	10' 111' from	10' 111' from
10' 113' from	10' 113' from	10' 113' from	10' 113' from
10' 115' from	10' 115' from	10' 115' from	10' 115' from
10' 117' from	10' 117' from	10' 117' from	10' 117' from
10' 119' from	10' 119' from	10' 119' from	10' 119' from
10' 121' from	10' 121' from	10' 121' from	10' 121' from
10' 123' from	10' 123' from	10' 123' from	10' 123' from
10' 125' from	10' 125' from	10' 125' from	10' 125' from
10' 127' from	10' 127' from	10' 127' from	10' 127' from
10' 129' from	10' 129' from	10' 129' from	10' 129' from
10' 131' from	10' 131' from	10' 131' from	10' 131' from
10' 133' from	10' 133' from	10' 133' from	10' 133' from
10' 135' from	10' 135' from	10' 135' from	10' 135' from
10' 137' from	10' 137' from	10' 137' from	10' 137' from
10' 139' from	10' 139' from	10' 139' from	10' 139' from
10' 141' from	10' 141' from	10' 141' from	10' 141' from
10' 143' from	10' 143' from	10' 143' from	10' 143' from
10' 145' from	10' 145' from	10' 145' from	10' 145' from
10' 147' from	10' 147' from	10' 147' from	10' 147' from
10' 149' from	10' 149' from	10' 149' from	10' 149' from
10' 151' from	10' 151' from	10' 151' from	10' 151' from
10' 153' from	10' 153' from	10' 153' from	10' 153' from
10' 155' from	10' 155' from	10' 155' from	10' 155' from
10' 157' from	10' 157' from	10' 157' from	10' 157' from
10' 159' from	10' 159' from	10' 159' from	10' 159' from
10' 161' from	10' 161' from	10' 161' from	10' 161' from
10' 163' from	10' 163' from	10' 163' from	10' 163' from
10' 165' from	10' 165' from	10' 165' from	10' 165' from
10' 167' from	10' 167' from	10' 167' from	10' 167' from
10' 169' from	10' 169' from	10' 169' from	10' 169' from
10' 171' from	10' 171' from	10' 171' from	10' 171' from
10' 173' from	10' 173' from	10' 173' from	10' 173' from
10' 175' from	10' 175' from	10' 175' from	10' 175' from
10' 177' from	10' 177' from	10' 177' from	10' 177' from
10' 179' from	10' 179' from	10' 179' from	10' 179' from
10' 181' from	10' 181' from	10' 181' from	10' 181' from
10' 183' from	10' 183' from	10' 183' from	10' 183' from
10' 185' from	10' 185' from	10' 185' from	10' 185' from
10' 187' from	10' 187' from	10' 187' from	10' 187' from
10' 189' from	10' 189' from	10' 189' from	10' 189' from
10' 191' from	10' 191' from	10' 191' from	10' 191' from
10' 193' from	10' 193' from	10' 193' from	10' 193' from
10' 195' from	10' 195' from	10' 195' from	10' 195' from
10' 197' from	10' 197' from	10' 197' from	10' 197' from
10' 199' from	10' 199' from	10' 199' from	10' 199' from
10' 201' from	10' 201' from	10' 201' from	10' 201' from
10' 203' from	10' 203' from	10' 203' from	10' 203' from
10' 205' from	10' 205' from	10' 205' from	10' 205' from
10' 207' from	10' 207' from	10' 207' from	10' 207' from
10' 209' from	10' 209' from	10' 209' from	10' 209' from
10' 211' from	10' 211' from	10' 211' from	10' 211' from
10' 213' from	10' 213' from	10' 213' from	10' 213' from
10' 215' from	10' 215' from	10' 215' from	10' 215' from
10' 217' from	10' 217' from	10' 217' from	10' 217' from
10' 219' from	10' 219' from	10' 219' from	10' 219' from
10' 221' from	10' 221' from	10' 221' from	10' 221' from
10' 223' from	10' 223' from	10' 223' from	10' 223' from
10' 225' from	10' 225' from	10' 225' from	10' 225' from
10' 227' from	10' 227' from	10' 227' from	10' 227' from
10' 229' from	10' 229' from	10' 229' from	10' 229' from
10' 231' from	10' 231' from	10' 231' from	10' 231' from
10' 233' from	10' 233' from	10' 233' from	10' 233' from
10' 235' from	10' 235' from	10' 235' from	10' 235' from
10' 237' from	10' 237' from	10' 237' from	10' 237' from
10' 239' from	10' 239' from	10' 239' from	10' 239' from
10' 241' from	10' 241' from	10' 241' from	10' 241' from
10' 243' from	10' 243' from	10' 243' from	10' 243' from
10' 245' from	10' 245' from	10' 245' from	10' 245' from
10' 247' from	10' 247' from	10' 247' from	10' 247' from
10' 249' from	10' 249' from	10' 249' from	10' 249' from
10' 251' from	10' 251' from	10' 251' from	10' 251' from
10' 253' from	10' 253' from	10' 253' from	10' 253' from
10' 255' from	10' 255' from	10' 255' from	10' 255' from
10' 257' from	10' 257' from	10' 257' from	10' 257' from
10' 259' from	10' 259' from	10' 259' from	10' 259' from
10' 261' from	10' 261' from	10' 261' from	10' 261' from
10' 263' from	10' 263' from	10' 263' from	10' 263' from
10' 265' from	10' 265' from	10' 265' from	10' 265' from
10' 267' from	10' 267' from	10' 267' from	10' 267' from