

U. S. LAND OFFICE Santa FeSERIAL NUMBER 078626

LEASE OR PERMIT TO PROSPECT

14-00-001-569

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 97 Farmington, New MexicoLessor or Tract San Juan 32-9 Unit Field Blanco State New MexicoWell No. 12 Sec. 10 T31N R. 3W Meridian N. M. P. M. County San JuanLocation 290 ft. N. of S. Line and 290 ft. E. of W. Line of Section 10 Elevation 6570 (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 October 27, 1953 Title Petroleum Engineer.

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

Commenced drilling 8-11, 1953 Finished drilling 2-5, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3450 to 3520 (G) No. 4, from 5679 to 5813 (G)No. 2, from 5287 to 5376 (G) No. 5, from _____ to _____No. 3, from 5376 to 5679 (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>7-5/8</u>	<u>25.4</u>	<u>S. W.</u>	<u>Arco</u>	<u>150</u>	<u>Arco</u>				<u>Surface</u>
<u>5</u>	<u>17.2</u>	<u>6</u>	<u>Arco</u>	<u>236</u>	<u>Baker</u>				<u>Prod. 108</u>
<u>4</u>	<u>14.7</u>	<u>6</u>	<u>Young</u>	<u>576</u>					<u>Prod. 108</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8</u>	<u>172</u>	<u>125</u>	<u>Circulated</u>		
<u>5</u>	<u>5260</u>	<u>500</u>	<u>Plug, 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>part</u>	<u>Regular</u>	<u>S. N. G.</u>	<u>1305</u>	<u>7-53</u>	<u>5313-5813</u>	<u>5813</u>

TOOLS USED

Rotary tools were used from _____ feet to 5260 feet, and from 5260 feet to 5813 feet

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

DATES

_____, 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 2,310,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1075

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>1101</u>	<u>1101</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>1101</u>	<u>1578</u>	<u>477</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1578</u>	<u>2242</u>	<u>664</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2242</u>	<u>2360</u>	<u>118</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2360</u>	<u>3035</u>	<u>675</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>3035</u>	<u>3450</u>	<u>415</u>	<u>Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.</u>
<u>3450</u>	<u>3520</u>	<u>70</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, uncolored soft ss.</u>
<u>3520</u>	<u>5287</u>	<u>1767</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>
<u>5287</u>	<u>5376</u>	<u>89</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
<u>5376</u>	<u>5679</u>	<u>303</u>	<u>Menefee formation. Gry, fine-grn s, carb sh and coal.</u>
<u>5679</u>	<u>5813</u>	<u>134</u>	<u>Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.</u>
<u>5813</u>	<u>IL</u>		<u>Mancos formation. Gry carb sh.</u>
			Tops
			<u>Ojo Alamo 2242</u>
			<u>Kirtland 2360</u>
			<u>Fruitland 3035</u>
			<u>Pict. Cli 3450</u>
			<u>Lewis 3520</u>
			<u>Cliff House 5287</u>
			<u>Menefee 5376</u>
			<u>Pt. Lkout 5679</u>
			<u>Mancos 5813</u>

