

NEW MEXICO
OIL CONSERVATION COMMISSION

Gas Well Plat

Date July 20, 1955

El Paso Natural Gas Co. San Juan 29-7 Unit #46
Operator Lease Well No.

Name of Producing Formation Mesa Verde Pool Blanco

No. Acres Dedicated to the Well 314.93 ✓

Indicate land status and show ownership Federal
SECTION 6 TOWNSHIP 29N RANGE 7W

RECEIVED
JUL 21 1955
OIL CON. COM.
DIST. 3

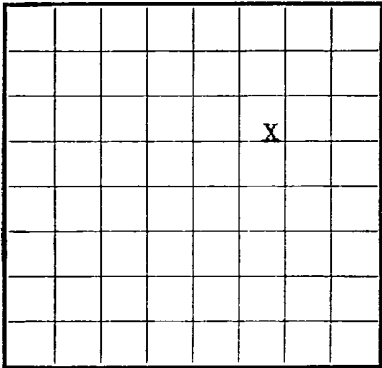
S.F. 078943

I hereby certify that the information given above is true and complete to the best of my knowledge.

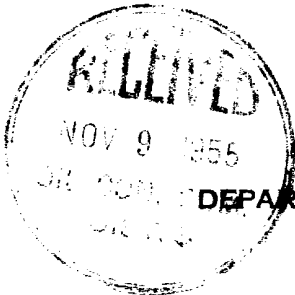
Name [Signature]
Position Petroleum Engineer
Representing El Paso Natural Gas Co.
Address Box 997, Farmington, N.M.

(over)

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LOCATE WELL CORRECTLY



U. S. LAND OFFICE ~~Santa Fe~~
SERIAL NUMBER 078943
LEASE OR PERMIT TO PROSPECT

UNITED STATES 14-00-001-567

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 29-7 Unit Field Blanco State New Mexico
Well No. 46 Sec. 6 T. 29N R. 7E Meridian NMPM County Rio Arriba
Location 1750 ft. N of N Line and 1650 ft. E of E Line of Section 6 Elevation 6201 ft.
(Derrick floor relative to datum)

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. C. Johnston

Date October 14, 1955

Title Petroleum Engineer

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

Commenced drilling August 31, 1955 Finished drilling September 11, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3015 to 3110 (G) No. 4, from 5196 to 5295 (G)
No. 2, from 4652 to 4830 (G) No. 5, from _____ to _____
No. 3, from 4830 to 5196 (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>36</u>	<u>8 RD</u>	<u>J-55</u>	<u>161'</u>	<u>Hewco</u>				<u>Surface</u>
<u>7</u>	<u>20</u>	<u>8 RD</u>	<u>J-55</u>	<u>3123'</u>	<u>Baker</u>				<u>Prod. Csg.</u>
<u>5 1/2</u>	<u>15.50</u>	<u>8 RD</u>	<u>J-55</u>	<u>3127'</u>					<u>Inner</u>
<u>2</u>	<u>4.7</u>	<u>8 RD</u>	<u>J-55</u>	<u>5336'</u>					<u>Prod. Tbg.</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>173'</u>	<u>125</u>	<u>Circulated</u>		
<u>7</u>	<u>3123'</u>	<u>250</u>	<u>Single Stage</u>		
<u>5 1/2</u>	<u>5360'</u>	<u>175</u>	<u>Single 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>See Well History.</u>				

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from 3123 feet to 5360 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
September 13, 1955
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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 12,706,000
1045

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>925</u>	<u>925</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>925</u>	<u>1400</u>	<u>475</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1400</u>	<u>2055</u>	<u>655</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2055</u>	<u>2125</u>	<u>70</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2125</u>	<u>2630</u>	<u>505</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>2630</u>	<u>3015</u>	<u>385</u>	<u>Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.</u>
<u>3015</u>	<u>3110</u>	<u>95</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>3110</u>	<u>4652</u>	<u>1542</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>
<u>4652</u>	<u>4830</u>	<u>178</u>	<u>Cliff House ss. Gry, fine-grn, dense silt ss.</u>
<u>4830</u>	<u>5196</u>	<u>368</u>	<u>Menefee form. Gry, fine-grn s, carb sh & coal.</u>
<u>5196</u>	<u>5295</u>	<u>97</u>	<u>Point Lookout form. Gry, very fine silt ss w/frequent sh breaks.</u>
<u>5295</u>	<u>5360 T.D.</u>	<u>65</u>	<u>Mancos formation. Gry carb sh.</u>

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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.

9-10-55 C.O.T.D. 5348. Sandwater fractured Point Lookout formation. Intervals created 5200, 49250, 4908, 49090, and 4916, to 49330 (Perf. 5 1/2", 15.40#, 1-55 casing, 1 jet spots/ft.). Treated with 22,600 gallons water and 30,000 sand. Breakdown pressure 1500#, maximum pressure 500#, average treating pressure 250%, Injection rate 21 bbls./min. Flush with 7500 gallons water. Natural gas 100 MCF/D.

9-17-55 P.B.T.D. 4900'. Sand-water fractured lower Mill House formation. Intervals treated 4730-4754, 4799-4832. (through part. 5 1/2, 15.50#, 3-55 casing & jet shots/ft.) Treated with 29,300 gallons water and 30,000# sand. Maximum pressure 1650#, maximum pressure 1350#, average treating pressure 1050#, injection rate 33 lbs./min. Finished with 7100 gallons water. Natural gas 92 MCF/D.

9-18-55 F.B.I.D. 4695. Sand-water fractured Upper Cliff house. Interval treated with 30,000 gallons water and 26,000 sand. Breakdown pressure 1350#, maximum pressure 1500#, average treating pressure 1050#. Injection rate 38.2 bbls./min. Finished with 6900 gallons water. Natural gas 236 MCF/D.