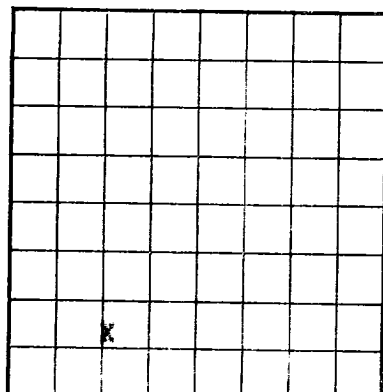
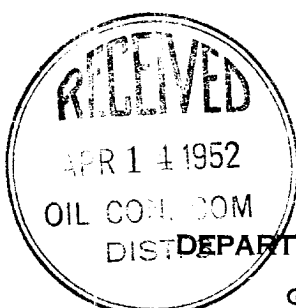




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 070125
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Pierce Field Blanco-La Plata State New Mexico
Well No. 1-A Sec. 13 T. 30N R. 10W Meridian N. M. P. M. County San Juan
Location 750 ft. {N.} of 1 Line and 1557 ft. {E.} of 1 Line of Section 13 Elevation 6165
1900 1100 (Derrick foot 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 ORIGINAL SIGNATURE E. J. COELDate March 31, 1952 Title Petroleum Engineer

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

Commenced drilling February 3, 1952 Finished drilling March 2, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2977 to 3046 (G) No. 4, from 5225 to 5477 (G)
No. 2, from 4605 to 4820 (G) No. 5, from _____ to _____
No. 3, from 4820 to 5225 (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>36</u>	<u>8</u>	<u>Matl.</u>	<u>136</u>	<u>Ballb.</u>				<u>Surface</u>
<u>6-5/8</u>	<u>20</u>	<u>8</u>	<u>Matl.</u>	<u>4554</u>	<u>Ballb.</u>				<u>Production</u>
<u>2</u>	<u>4.7</u>	<u>5</u>		<u>1371</u>					<u>Prod. tubing</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>147</u>	<u>150</u>	<u>Single</u>		
<u>6-5/8</u>	<u>4565</u>	<u>300</u>	<u>Single</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>4 1/2</u>	<u>Reg.</u>	<u>S.H.O.</u>	<u>1875</u>	<u>3-2</u>	<u>4620-5470</u>	<u>5354</u>

TOOLS USED

Rotary tools were used from 0 feet to 4565 feet, and from 4565 feet to 5477 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 26, 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. _____

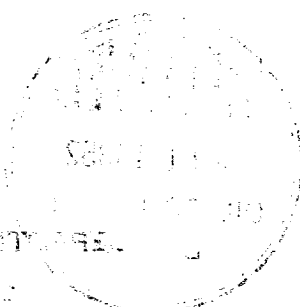
If gas well, cu. ft. per 24 hours 5,700,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1054

EMPLOYEES

McCart, Driller Sanders, Driller
McCart, Driller Slacker, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
NOTE: The tops down to the Cliff House fm. are electric log tops & from the Cliff House down are calculated tops as no log was run.			
<u>0</u>	<u>360</u>	<u>360</u>	<u>Tan coarse-grn. ss. w/thin shale breaks.</u>
<u>360</u>	<u>1332</u>	<u>972</u>	<u>Variog. shales w/thin ss. breaks.</u>
<u>1332</u>	<u>1702</u>	<u>370</u>	<u>Tan to gry. coarse-grn. ss. interbedded w/gry. sh.</u>
<u>1702</u>	<u>1812</u>	<u>110</u>	<u>Wh coarse-grn ss. T/C/c Alamo 1702.</u>
<u>1812</u>	<u>2653</u>	<u>841</u>	<u>Gry sh. interbedded w/tl gry fine-grn ss. T/ Kirtland 1812.</u>
<u>2653</u>	<u>2977</u>	<u>324</u>	<u>Gry. carb. shales, scattered coals & gry. tight fine-grn ss. T/Fruitland 2653.</u>
<u>2977</u>	<u>3046</u>	<u>69</u>	<u>Gry. fine-grn. tight varicolored soft ss. T/ Pictured Cliffs 2977.</u>
<u>3046</u>	<u>4605</u>	<u>1559</u>	<u>Gry. to white dense shale w/silty to sandy ss. breaks. T/Lewis 3046.</u>
<u>4605</u>	<u>4820</u>	<u>215</u>	<u>Gray, fine-grn. dense sil. ss. T/Cliff House 4605.</u>
<u>4820</u>	<u>5225</u>	<u>405</u>	<u>Gry. fine-grn. sands carb. shales & coal. T/ Menefee 4820.</u>
<u>5225</u>	<u>5477 T.D.</u>	<u>252</u>	<u>Gry. very fine sil. ss. w/frequent shale breaks. T/Point Lookout 5225.</u>



SENATE OF THE
COMMONWEALTH OF MASSACHUSETTS

ACKNOWLEDGMENTS

1000 240 30 50 40 60

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[illegible]

ORIGINAL SIGNED E. J. COLE

91 *Journal of Management Inquiry* 16(1) 3-17

[illegible]

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

1. HCO_3^- and CO_3^{2-} are the major anions in the water. HCO_3^- is the dominant species in the water, and CO_3^{2-} is the dominant species in the soil.

[illegible]

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

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 bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-58085-07

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