

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 076387-A
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Co. Address P.O. Box 997 Farmington
Lessor or Tract Kernaghan Field Blanco State New Mexico
Well No. 4 Sec. 30 T. 31N R. 8W Meridian N.M.P.M. County San Juan
Location 1650 ft. N. of N Line and 790 ft. E. of E Line of Section 30 Elevation 6577'
(Derives 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 Original Signed E. J. CoalTitle Petroleum Engineer.Date February 5, 1953

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

Commenced drilling November/4, 19 52 Finished drilling December 28, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3405 to 3475 (G) No. 4, from 5693 to 5814 (G)
No. 2, from 5226 to 5328 (G) No. 5, from _____ to _____
No. 3, from 5328 to 5693 (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>25.4</u>	<u>8</u>	<u>SPR. W</u>	<u>160'</u>	<u>REMO</u>				<u>Surface</u>
<u>7"</u>	<u>23</u>	<u>8</u>	<u>SPR. W</u>	<u>578'</u>	<u>REMO</u>				<u>Prod. Tubing</u>
<u>2"</u>	<u>4.7</u>	<u>8</u>	<u>Young</u>	<u>5645'</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>172'</u>	<u>125</u>	<u>Circulated</u>		
<u>7"</u>	<u>5190</u>	<u>300</u>	<u>Sing. 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>Quart</u>	<u>Regular</u>	<u>S.H.C.</u>	<u>1200</u>	<u>12-28</u>	<u>5295-5395</u>	<u>5395</u>

TOOLS USED

Rotary tools were used from 0 feet to 5190 feet, and from 5190 feet to 5895 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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 1,300,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1045

EMPLOYEES

_____, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>783</u>	<u>783</u>	<u>Tan coarse-gra ss w/thin sh breaks.</u>
<u>783</u>	<u>1755</u>	<u>972</u>	<u>Variogated sh w/thin ss breaks.</u>
<u>1755</u>	<u>2530</u>	<u>775</u>	<u>Tan to gry coarse-gra ss interbedded w/gry sh.</u>
<u>2530</u>	<u>2627</u>	<u>97</u>	<u>Ojo Alamo ss. White coarse-gra sand. Top Ojo Alamo 2530.</u>
<u>2627</u>	<u>3077</u>	<u>450</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-gra ss. Top Kirtland 2627.</u>
<u>3077</u>	<u>3405</u>	<u>328</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-gra ss. Top Fruitland 3077.</u>
<u>3405</u>	<u>3475</u>	<u>70</u>	<u>Pictured Cliffs formation. Gry, fine-gra, tight, varicolored soft ss. Top Pictured Cliffs 3405.</u>
<u>3475</u>	<u>5226</u>	<u>1751</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. Top Lewis 3475.</u>
<u>5226</u>	<u>5328</u>	<u>102</u>	<u>Cliff House ss. Gry, fine-gra, dense siliceous ss. Top Cliff House 5226.</u>
<u>5328</u>	<u>5693</u>	<u>365</u>	<u>Manatee formation. Gry, fine-gra sands, carb sh and coal. Top Manatee 5328.</u>
<u>5693</u>	<u>5814</u>	<u>121</u>	<u>Point Lookout formation. Gry, very fine siliceous ss w/frequent sh breaks. Top Point Lookout 5693.</u>
<u>5814</u>	<u>5895 TD</u>	<u>81</u>	<u>Manaco formation. Gry carb sh. Top Manaco 5814.</u>



NEW YORK, N.Y. (AP) — The FBI on Tuesday said it had arrested a man in connection with the 1993 World Trade Center bombing.

[The page contains extremely faint, illegible markings.]

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 "madedracked" 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 piers 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

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