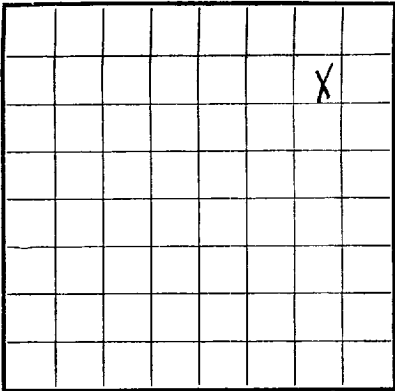


Santa Fe
U. S. LAND OFFICE

SERIAL NUMBER 080376

LEASE OR PERMIT TO PROSPECT
14-08-001-569

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract San Juan 32-9 Unit Field Blanco State New Mexico
Well No. 14 Sec. 9 T. 31 N. R. 9 W Meridian N. M. P. M. County San Juan
Location 290 ft. S. of N. Line and 290 ft. W. of E. Line of Section 9 Elevation 6876'
(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 J. Schuler

Date November 4, 1953 Title Petroleum Engineer

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

Commenced drilling 9-10-53, 1953 Finished drilling 10-6-53, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3552 to 3595 (G) No. 4, from 5797 to 5922 (G)
No. 2, from 5395 to 5500 (G) No. 5, from to
No. 3, from 5500 to 5797 (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> rd	<u>Open</u>	<u>163</u>	<u>Howe</u>				<u>Surface</u>
<u>7</u>	<u>29</u>	<u>8</u> rd	<u>Young</u>	<u>500</u>	<u>Howe</u>				<u>Prod. Tbg.</u>
<u>2</u>	<u>4.7</u>	<u>8</u> rd	<u>Young</u>	<u>500</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>175</u>	<u>125</u>	<u>Circulated</u>		
<u>7</u>	<u>5430</u>	<u>500</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.N.C.</u>	<u>1117</u>	<u>10-7-53</u>	<u>5474-5922</u>	<u>5922</u>

TOOLS USED

Rotary tools were used from feet to 5430 feet, and from 5430 feet to 5922 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

October 9, 1953 Put to producing , 1953
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 1,646,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1051

EMPLOYEES

 , Driller , Driller
 , Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>705</u>	<u>705</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>705</u>	<u>1537</u>	<u>832</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1537</u>	<u>2130</u>	<u>601</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2130</u>	<u>2212</u>	<u>74</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2212</u>	<u>3117</u>	<u>905</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>3117</u>	<u>3552</u>	<u>435</u>	<u>Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.</u>
<u>3552</u>	<u>3592</u>	<u>40</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>3592</u>	<u>5395</u>	<u>1803</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>
<u>5395</u>	<u>5500</u>	<u>105</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
<u>5500</u>	<u>5797</u>	<u>297</u>	<u>Menefee formation. Gry, fine-grn s, carb sh and coal.</u>
<u>5797</u>	<u>5922</u>	<u>125</u>	<u>Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.</u>
			<u>Mancos formation. Gry carb sh.</u>
			<u>Tops</u>
			<u>Ojo Alamo 2130</u>
			<u>Kirtland 2212</u>
			<u>Fruitland 3117</u>
			<u>Pict.Cliffs 3552</u>
			<u>Lewis 3592</u>
			<u>Cliff House 5395</u>
			<u>Menefee 5500</u>
			<u>Pt.Lkout 5797</u>

FOLD MARK

0100 AM 0300

0100 AM 0300

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

Organization	City	State	Amount	Kind of spot	Cost and billed from	Product	TV	Comments
Chadwick	Los Angeles	Calif						

CASING RECORD

$\angle O'5'$ (DOM)	to	$\angle O'4'$ (DOM)	to
$\angle O'4'$ (DOM)	to	$\angle O'3'$ (DOM)	to

IMPORTANT ADVISE SANDS

$\Sigma 0^+ 3^+$ from	$\frac{1}{2}$	$\frac{1}{2}$	$\Sigma 0^+ 6^+$ from	$\frac{1}{2}$
$\Sigma 0^+ 4^+$ from	$\frac{1}{2}$	$\frac{1}{2}$	$\Sigma 0^+ 2^+$ from	$\frac{1}{2}$
$\Sigma 0^+ 1^+$ from	$\frac{1}{2}$	$\frac{1}{2}$	$\Sigma 0^+ 4^+$ from	$\frac{1}{2}$

(1963) 11.12.01 (2)

OIL OR GAS SANDS OR ZONES

10 _____ 10 _____ 10 _____

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DATE _____ JUDGE _____

241160

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

The information on personnel is a complete and correct record of the work and the work done thereon.

Location	<u>N 7</u>	of Line and	<u>R B</u>	of Line of	Elevation
<u>Mt Zion</u>	<u>Sec</u>	<u>L</u>	<u>B</u>	<u>Township</u>	<u>County</u>
Owner or Tenant					<u>Suite</u>
Company	<u>Americas</u>				

FOOTLE MEET CORRECTION

A blank sheet of white graph paper with a light gray grid pattern. The grid consists of small squares formed by thin lines. There are no margins or other markings on the page.

LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

INVESTIGATIVE REPORT

201 471 110000

ACKNOWLEDGEMENT

DECLASSIFIED BY: 6032
REASON: 25X(1) 25X(4) 25X(6) 25X(7)