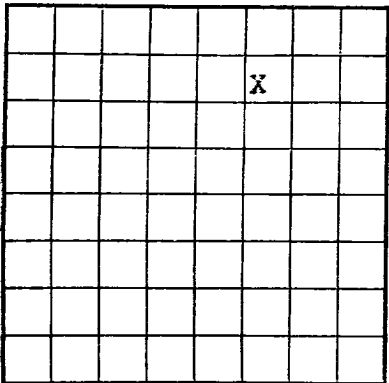
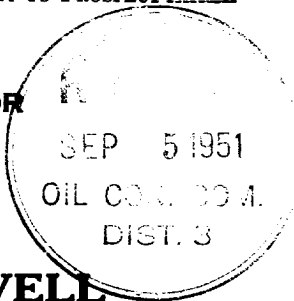


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078596**
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company San Juan Production Company Address Box 997, Farmington, New Mexico
Lessor or Tract Howell Field Blanco-La Plata State New Mexico
Well No. 2-C Sec. 3 T. 29N R. 8W Meridian N. M. P. M. County San Juan
Location 990 ft. Box of N Line and 1650 ft. XX of E Line of Section 3 Elevation 6141
(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 _____ Title Petroleum Engineer
Date September 4, 1951

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

Commenced drilling July 22, 19 51 Finished drilling August 17, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2976 to 2950 (G) No. 4, from 5072 to 5195 (G)
No. 2, from 4532 to 4543 (G) No. 5, from _____ to _____
No. 3, from 4543 to 5072 (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>34</u>	<u>8</u>	<u>Howell</u>	<u>896</u>	<u>Howell</u>	<u>Surface</u>			<u>Surface</u>
<u>7</u>	<u>23</u>	<u>8</u>	<u>Howell</u>	<u>1050</u>	<u>Howell</u>	<u>Production</u>			<u>Production</u>
<u>2</u>	<u>4.7</u>	<u>8</u>	<u>Young</u>	<u>5166</u>		<u>Prod. Tubing</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>306</u>	<u>150</u>	<u>Circulated</u>		
<u>7</u>	<u>4485</u>	<u>300</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>Quarts</u>	<u>Regular</u>	<u>S.N.C.</u>	<u>1525</u>	<u>8-17</u>	<u>4535-5195</u>	

TOOLS USED

Drilling with Gas

Rotary tools were used from 0 feet to 4485 feet, and from 4485 feet to 5195 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 30, 19 51 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 3,870,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1095

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>655</u>	<u>655</u>	<u>Coarse-grained tan ss. w/shale breaks.</u>
<u>655</u>	<u>798</u>	<u>143</u>	<u>Shale w/thin ss. breaks.</u>
<u>798</u>	<u>1639</u>	<u>841</u>	<u>Tan to gray coarse-grained ss. interbedded w/ shale.</u>
<u>1639</u>	<u>1726</u>	<u>87</u>	<u>Ojo Alamo fm. White coarse-grained sand.</u>
<u>1726</u>	<u>2592</u>	<u>866</u>	<u>Kirtland fm. Gray carb. shales, scattered coals & gray fine-grained ss.</u>
<u>2592</u>	<u>2876</u>	<u>284</u>	<u>Fruitland fm. Gray carb. shales, coal & gray fine-grained ss.</u>
<u>2876</u>	<u>2950</u>	<u>74</u>	<u>Pictured Cliffs fm. Gray fine dense argill. ss. Top Pictured Cliffs 2876.</u>
<u>2950</u>	<u>4532</u>	<u>1582</u>	<u>Lewis fm. Gray shale sil. to shaly ss.</u>
<u>4532</u>	<u>4543</u>	<u>11</u>	<u>Cliff House ss. Gray fine dense ss. Top Cliff House 4532.</u>
<u>4543</u>	<u>5072</u>	<u>529</u>	<u>Manefee fm. Gray fine-grained porous sand, carb. shales & coals. Top Manefee 4543.</u>
<u>5072</u>	<u>5195 TD</u>	<u>123</u>	<u>Point Lookout fm. Gray very fine porous sil. ss. w/shale breaks. Top Point Lookout 5072.</u>

(OVER)

FORMATION RECORD—Continued

GEOLOGICAL SURVEY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. The lines are thin and black, forming a uniform grid across the page. There are no margins or other markings on the paper.

16-48094-1 U. S. GOVERNMENT PRINTING OFFICE

—FROM