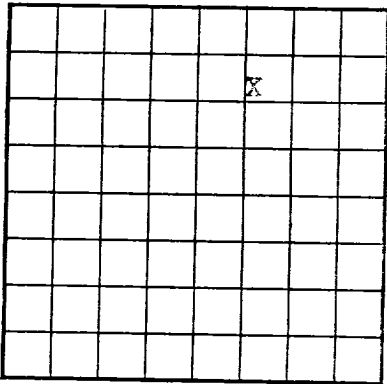


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 070001-A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company San Juan Production Company Address 102 1/2 N. Court, Farmington, New Mexico
Lessor or Tract Howell Field Wildcat State New Mexico
Well No. 1-B Sec. 10 T. 30N R. 7E Meridian N. M. P. M. County Rio Arriba
Location 1120 ft. {S.} of N. Line and 1650 ft. {W.} of E. Line of Section 10 Elevation 6275
(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 _____
E. J. Coel
Title Petroleum Engineer

Date August 17, 1951

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

Commenced drilling April 4, 1951 Finished drilling August 4, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3155 to 3225 (G) No. 4, from 5503 to 5543 (G)
No. 2, from 5033 to 5044 (G) No. 5, from _____ to _____
No. 3, from 5044 to 5503 (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>3-5/8"</u>	<u>35</u>	<u>8</u>	<u>Natl.</u>	<u>345</u>	<u>Ballb.</u>				<u>Surface</u>
<u>7"</u>	<u>29</u>	<u>8</u>	<u>Spang</u>	<u>667</u>	<u>Ballb.</u>				<u>Intermediate</u>
<u>7"</u>	<u>20</u>	<u>8</u>	<u>Spang</u>	<u>2610</u>	<u>Ballb.</u>				<u>Intermediate</u>
<u>5-1/2"</u>	<u>15.5</u>	<u>6</u>	<u>Spang</u>	<u>723</u>	<u>Ballb.</u>				<u>Production</u>
									<u>Liner</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3-5/8"</u>	<u>354</u>	<u>150</u>	<u>Circulated</u>		
<u>7"</u>	<u>4287</u>	<u>200</u>	<u>Single Stage</u>		
<u>5-1/2"</u>	<u>4930</u>	<u>125</u>	<u>Squeeze</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>900</u>	<u>6-4-51</u>	<u>5013-5523</u>	<u>No clean-out</u>

TOOLS USED

Rotary tools were used from 0 feet to 5114 feet, and from _____ feet to _____ feet
Cable tools were used from 5114 feet to 5543 feet, and from _____ feet to _____ feet

DATES

August 13, 1951 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 6,200,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1125

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>535</u>	<u>535</u>	<u>Coarse-grained tan ss w/shale breaks.</u>
<u>535</u>	<u>1230</u>	<u>695</u>	<u>Shale with interbedded ss.</u>
<u>1230</u>	<u>1300</u>	<u>360</u>	<u>Gray & tan coarse-grained ss w/gray shales.</u>
<u>1300</u>	<u>2000</u>	<u>110</u>	<u>Ojo Alamo ss - coarse-grained white ss.</u>
<u>2000</u>	<u>2570</u>	<u>570</u>	<u>Kirtland form. - shales w/interbedded gray fine grained tight ss.</u>
<u>2570</u>	<u>3155</u>	<u>585</u>	<u>Fruitland form. - carbonaceous shales w/coal beds & tight gray fine-grained ss.</u>
<u>3155</u>	<u>3225</u>	<u>70</u>	<u>Pictured Cliffs form. - gray fine dense silty ss.</u>
<u>3225</u>	<u>5033</u>	<u>1808</u>	<u>Top Pictured Cliffs 3155.</u>
<u>5033</u>	<u>5044</u>	<u>11</u>	<u>Lewis form - gray to white dense silty to shaly ss</u>
			<u>Cliff House ss. - gray fine dense ss. Top Cliff House 5033.</u>
<u>5044</u>	<u>5503</u>	<u>459</u>	<u>Menefee form. - gray fine grained sand, carbonaceous shales & coals. Top Menefee 5044</u>

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LOG OF OIL OR GAS WELL

5000 30400 11374

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

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