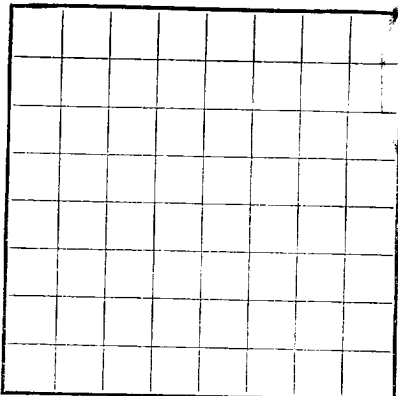


U. S. LAND OFFICE Jicarilla
~~San Juan~~ Apache Tribal
LEASE OR PERMIT TO PROSPECT _____
Contract No. 67

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Ray M. Bell Oil Properties Address 1603 Broadway, Lubbock, Texas
Lessor or Tract Jicarilla Apache Tribal Field Basin Dakota State N. M.
Well No. 1-21 Sec. 20 T25N R5E Meridian N.M.P.M. County Rio Arriba
Location 300 ft. S. of E. Line and 200 ft. E. of W. Line of Sec. 20 Elevation 6550
(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 Jay M. Bell Title Geologist

Date 1 - 6 - 61

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

Commenced drilling Oct 10, 1961 Finished drilling 11 - 10, 1960

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

No. 1, from 6075 to 6140 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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>5 1/2</u>	<u>32</u>	<u>8</u>	<u>J-55</u>	<u>273</u>	<u>Halliburton</u>				
<u>5 1/2</u>	<u>15 1/2</u>	<u>17</u>	<u>LTS</u>	<u>7064</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 1/2</u>	<u>273</u>	<u>200</u>	<u>Halliburton</u>		
<u>5 1/2</u>	<u>7064</u>	<u>450</u>			
<u>2 3/4</u>	<u>6083</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

TOOLS USED

Rotary tools were used from _____ feet to 7097 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Jan 6, 1961 Put to producing tested 1-7, 1961
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 1,465 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1075

EMPLOYEES

FMA Drilling Co., Driller _____, Driller _____
_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>2520</u>	<u>2500</u>	<u>60</u>	<u>Pictured Cliffs</u>
<u>2500</u>	<u>4125</u>	<u>1540</u>	<u>Lewis</u>
<u>4125</u>	<u>4900</u>	<u>775</u>	<u>Mesaverde</u>
<u>4900</u>	<u>5000</u>	<u>100</u>	<u>Mancos</u>
<u>5000</u>	<u>5200</u>	<u>200</u>	<u>Gallup</u>
<u>5200</u>	<u>5675</u>	<u>395</u>	<u>Mancos</u>
<u>5675</u>	<u>5730</u>	<u>55</u>	<u>Greenhorn</u>
<u>5730</u>	<u>6070</u>	<u>140</u>	<u>Graneros</u>
<u>6070</u>	<u>6075</u>	<u>105</u>	<u>Dakota</u>
<u>6075</u>	<u>7097</u>	<u>122</u>	<u>Morrison</u>

FROM—	TO—	TOTAL FEET	FORMATION
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HISTORY OF OIL OR GAS WELL

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.

Drilled from surface to 7097' with rotary tools. Set 5½ csg at 7064 with 350 sx. Two stage tool at 2632' and cemented with 100 sx. Perforated from 6788 to 95½, 6869 to 92, 6902 to 15, & 6930 to 40 with # 4 shots per ft. Sand-water fractured with 60,000 lbs of sand and 64,000 gallons of water. Casing developed hole between 5710 and 5720 after we started swabbing. Set bridge plug at 5050' and squeezed in three separate stages with 250 sx of cement and latex. Drilled out cement and tested to 2500 ft. Ran production packer at 6760', Halliburton ~~XXX~~ SIM. Swabbed well in, and tested 1,465 MCF after three hours with an undetermined amount of distillate. Still blowing well to clean up.

