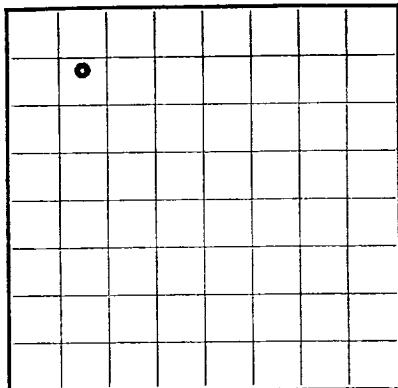
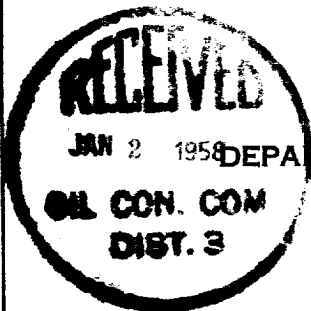


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT MM 03733

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tim G. Lowry Address P. O. Box 967, Farmington, New Mex.
Lessor or Tract Federal Field South Blanco State New Mexico
Well No. PC 221 Sec. 13 T 26N R. 7W Meridian NMPM County Rio Arriba
Location 890 ft. S. of N Line and 890 ft. E. of W Line of Sec. 13 Elevation 6514
(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 Frank GrayDate December 24, 1957 Title Field Superintendent

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

Commenced drilling 12-11-57, 19 57 Finished drilling 11-26, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2703 to 2780 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>8 5/8</u>	<u>24 1/2</u>	<u>8rd</u>	<u>J-55</u>	<u>103'</u>	<u>Regular</u>				<u>Surface</u>
<u>5 1/2</u>	<u>14 1/2</u>	<u>8rd</u>	<u>J-55</u>	<u>2801'</u>	<u>Regular</u>				<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>103</u>	<u>80</u>	<u>Plug</u>		
<u>5 1/2</u>	<u>2800</u>	<u>200</u>	<u>Plug</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 _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2801 feet, and from _____ feet to _____ feet

DATES

December 24, 1957, 19 _____ 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 4209 IFF Gallons gasoline per 1,000 cu. ft. of gas _____
8767 AOFRock pressure, lbs. per sq. in. 845

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>105</u>	<u>105</u>	<u>Surface</u>
<u>105</u>	<u>897</u>	<u>792</u>	<u>Shale</u>
<u>897</u>	<u>2801</u>	<u>1904</u>	<u>Sand and Shale</u>
			<u>TOPS</u>
			<u>Pictured Cliffs 2703'</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY

1100 1110 1120 1130 1140 1150

Run Electric Survey

11-26-57

11-26-57 Cemented 5 1/2" 16# J-55 casing at 2800' with 200 sacks. Plug down 400' at 11-26-57.

11-27-57 Perforated 2708 to 2750, 2764 to 2770 and 2774 to 2780.

11-29-57 Fractured with 50,000# sand and 42,000 gallons water. Used 160 rubber balls.

Breakdown Pressure 3000#.

Treating Pressure 1300# to 2300#.

Average Injection rate 51 BPM.

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

U. S. GOVERNMENT PRINTING OFFICE 10-48094-2

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