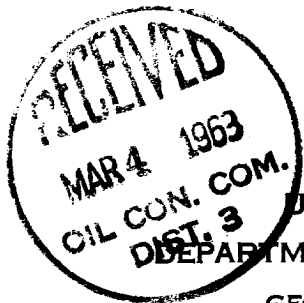
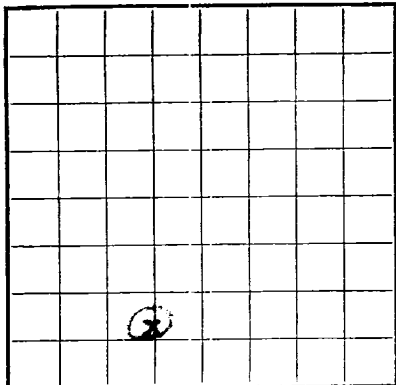




U. S. LAND OFFICE Dulce
SERIAL NUMBER Contract No. 237
LEASE OR PERMIT TO PROSPECT Jicarilla

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BENSON-MONTIN-GREER DRILLING CORP. Address 158 Petroleum Center Building Farmington, New Mexico
Lessor or Tract Jicarilla Field Undesignated State New Mexico
Well No. N-20 Sec. 20 T. 27N R. 1E Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of S. Line and 1880 ft. E. of W. Line of Sec. 20 Elevation 6992
(Denote 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 [Signature]

Date February 26, 1963 Title Engineer

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

Commenced drilling September 15, 1962 Finished drilling September 29, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2100 to 2239 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 None 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>7"</u>	<u>20#</u>	<u>8</u>	<u>J-55</u>	<u>1125'</u>	<u>Texas Pattern</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>9.5#</u>	<u>8</u>	<u>J-55</u>	<u>2109'</u>					<u>Production</u>
<u>2-3/8"</u>	<u>4.7#</u>	<u>5UE</u>		<u>2100'</u>					<u>Tubing String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>1135'</u>	<u>10</u> <u>ex in surface</u>	<u>Pump & Plug</u>		
<u>4-1/2"</u>	<u>2105'</u>	<u>50</u>	<u>Pump & Plug</u>		

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material None Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Sand-oil fractured with 52,460 gallons crude oil, 50,000# 20/40 sand</u>						

TOOLS USED

Rotary tools were used from Surface feet to 2239 feet, and from _____ feet to _____ feet
Cable tools were used to complete feet to _____ feet, and from _____ feet to _____ feet

Ran Tubing

January 17, 1963

DATES

Potential Test Put to producing February 21, 1963

The production for the first 24 hours was 29 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 36

If gas well, cu. ft. per 24 hours -- Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ Gas TSM

EMPLOYEES

Stone Drilling Co., Driller (Rotary)
Company Tools, Driller (Cable Tools)

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>ELECTRIC LOG TOPS</u>
			<u>LEWIS</u> Surface
			<u>MESA VERDE</u> 375'
			<u>MANCOS</u> 900'
			<u>GALLUP</u> 1657'

FORMATION RECORD—Continued

[illegible]

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 "sidedracked" 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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