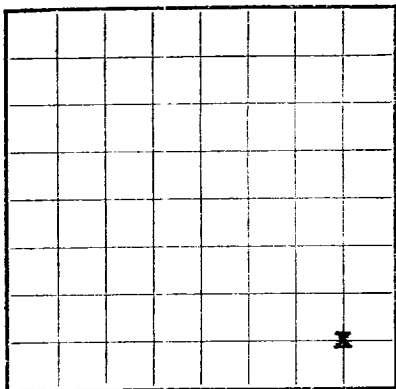
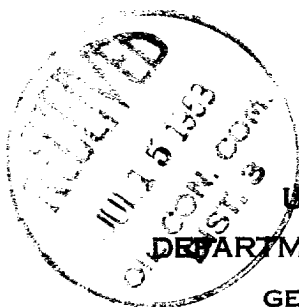




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Dulce
SERIAL NUMBER Contract 237
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYJicarilla TribalRECEIVED
JUL 17 1963

U. S. GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company EMERSON-MONTIN-GREEK DRILLING CORP. Address 158 Petroleum Center Building Farmington, New Mexico
Lessor or Tract Jicarilla Field Puerto Chiquito State New Mexico
Well No. P-19 Sec. 19 T. 27N R. 1E Meridian N.M.P.M. County Rio Arriba
Location 660 ft. N. of S. Line and 660 ft. E. of E. Line of Sec. 19 Elevation 7050
(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 _____

Date July 11, 1963Title Vice-President

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

Commenced drilling April 28, 19 63 Finished drilling May 30, 19 63

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2498 to 2569 No. 4, from _____ to _____
No. 2, from 3012 to 3018 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>10-3/4"</u>	<u>32.75</u>	<u>8</u>	<u>H-40</u>	<u>102</u>	<u>None</u>	<u>2498</u>	<u>2498</u>	<u>2569</u>	<u>Surface</u>
<u>7"</u>	<u>24</u>	<u>8</u>	<u>J-55</u>	<u>2443</u>	<u>None</u>	<u>2498</u>	<u>2498</u>	<u>2569</u>	<u>Production</u>
<u>5-1/2"</u>	<u>14</u>	<u>8</u>	<u>J-55</u>	<u>3104</u>	<u>None</u>	<u>2185</u>	<u>2498</u>	<u>2569</u>	<u>Liner</u>
							<u>3012</u>	<u>3018</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>114</u>	<u>80</u>	<u>Pump & Plug</u>		
<u>7"</u>	<u>2455</u>	<u>100</u>	<u>"</u>		
<u>5-1/2"</u>	<u>2185</u>	<u>50</u>	<u>"</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>Acidized with 250 gallons 15% HDA. Sand-oil fractured with 84,000 gallons oil and 90,000 sand, flushed with 3,360 gallons oil.</u>						

TOOLS USED

Rotary tools were used from Surface feet to 2457 feet, and from _____ feet to _____ feet
Cable tools were used from 2457 feet to 3130 feet, and from _____ feet to _____ feet

Ran Tubing

DATES

Potential TestJune 1st, 19 63

Put to producing

July 10, 19 63

The production for the first 24 hours was 27 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 34

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Company Tools

, Driller _____

, Driller _____

, Driller _____

, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>ELECTRIC LOG TOPS</u>
			<u>START IN LEWIS</u>
			<u>TOP MESA VERDE 864'</u>
			<u>TOP POINT LOOKOUT 1129'</u>
			<u>TOP MANCOS 1342'</u>
			<u>TOP GALLUP SILT 2195'</u>
			<u>TOP GALLUP SAND 2463'</u>

FORMATION RECORD—Continued

FORMATION	TOTAL FEET	TO-	FROM-
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97. ...	...	...	...
98. ...	...	...	...
99. ...	...	...	...
100. ...	...	...	...

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE