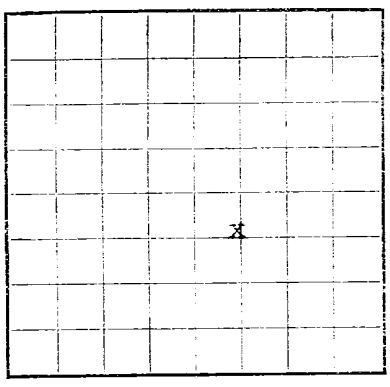
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077976
LEASE OR PERMIT TO PROSPECT Jones



LOCATE WELL CORRECTLY

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 Jones Field Wildcat State New Mexico

Well No. 2 Sec. 17 T. 28N R. 13W Meridian N.M.P.M. County San Juan

Location 1980 ft. {N./S.} of S. Line and 1980 ft. {E./W.} of E. Line of Sec. 17 Elevation 6037 (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 October 21st, 1959 Title Vice-President

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

Commenced drilling September 11th, 19 59 Finished drilling September 24th, 19 59

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5276 to 5676 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 From—	Perforated To—	Purpose
8-5/8"	24#	8	J-55	217	-	-	-	-	Surface
5-1/2"	15.5#	8	J-55	5729	Texas Pattern	-	5623 5660	5627 5676	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	229	200	Pump & Plug		
5-1/2"	5721	175	"		

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
		None				

TOOLS USED

Rotary tools were used from Surface feet to 5722 feet, and from feet to feet

Cable tools were used from to complete feet to feet, and from feet to feet

DATES

Ran Tubing October 13th, 19 59 Put to producing October 19th, 1959

The production for the first 24 hours was 132 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and - % sediment. Gravity, °Bé. 39

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
			ELECTRIC LOG TOPS
			BASE OJO ALAMO 270'
			TOP FARMINGTON 440'
			TOP FRUITLAND 1195'
			TOP PICTURED CLIFFS 1590'
			TOP LEWIS 1730'
			TOP CLIFFHOUSE 2515'
			TOP MENEFEE 2560'
			TOP POINT LOOKOUT 4100'
			TOP MANCOS 4305'
			TOP GALLUP 5270'
			BASE GALLUP 5706'

(OVER)

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

BENSON-MONTIN-GREER DRILLING CORP.

JONES #2 - WELL HISTORY

9-11-59	Spudded.. Drilled to TD 241' RKB. Set 7 joints 217' of 8-5/8" OD 24# J-55 casing at 229' with 200 sacks cement.
9-12-59	Pressured up on casing to 500#. No pressure decrease in 30 minutes.
9-20-59	Drilled to TD 5340'. Went in hole with core barrel.
9-21-59	Pulled Core #1 from 5340' to 5384'. Cored 44', recovered 44'. Core description attached. Drilled to TD 5600'.
9-22-59	Pulled Core #2 from 5600-5654'. Cored 54', recovered 54'. Core description attached.
9-23-59	Pulled Core #3 from 5654' to 5695'. Cored 41', recovered 41'. Core description attached.
9-24-59	Drilled to TD 5722'. Set 138 joints 5729' of 5-1/2" OD 15.5# J-55 casing at 5721' with 175 sacks neat cement mixed 25# Gilsonite per sack and ¼# flocele per sack.
10- 6-59	Moved in cable tools. Cleaned out to 5701'. Pressured up on casing to 1000#. No pressure decrease in one hour.
10- 7-59	Perforated 5623-27' and 5660-76' with 4 jet shots per foot.
10- 8-59	Swabbed hole down. Ran 183 joints 5640' of 2-3/8" OD EUE tubing with packer set at 5248'.
10- 9-59	Acidized with 250 gallons 15% NEA. Displaced with 20 barrels of oil. Loaded annulus with 100 barrels oil. Well flowed back 17 barrels.
10-10-59	Swabbing load oil.
10-12-59	Recovered load oil. Pulled tubing and packer. Sandfraced with 53,424 gallons oil and 65,000# 20/40 sand, flushed with 4,200 gallons oil. Well sanded off. Average treating pressure 2500#, maximum 3000#, final shut-down pressure 900#. Average injection rate 40 barrels per minute.
10-13-59	Ran sand pump. Swabbed well in. Ran 183 joints 5626' of 2-3/8" OD EUE tubing landed at 5638' RKB.
10-19-59	Flowed back load oil. Commenced flowing into tanks at rate of 5-6 barrels per hour.

BENSON-MONTIN-GREER DRILLING CORP.

JONES #2 - CORE DESCRIPTION

CORE #1 Cored 5340' to 5384'. Cored 44', recovered 44'.

5340-61' Hard black very fine sandy shale, vertical fracture, slight bleed of gas.

5361-64' Black fossiliferous pokerchip sandy shale, slight bleed of gas.

5364-72' Dark grey very fine hard silty sand, vertical fracture, good bleed oil and gas.

5372-81' Dark grey very fine hard silty sand, good bleed oil and gas.

5381-84' Black very fine sandy shale, very fossiliferous, slight gas bleed.

CORE #2 Cored 5600' to 5654'. Cored 54', recovered 54'.

5600-28' Hard dark grey very fine silty sand, very fossiliferous, vertical fractured and shattered throughout. Bleed of gas and slight bleed of oil.

5628-33' Hard grey medium sand, glauconitic, coarse, good bleed of gas and oil throughout. Vertical fracture 5629-30'.

5633-39' Hard dark grey fine to medium fine sandstone, vertical fractured, bleed of gas and oil.

5639-54' Hard dark grey very fine silty sand, very fossiliferous, good bleed of gas and slight bleed of oil, vertical fractured.

CORE #3 Cored 5654' to 5695'. Cored 41', recovered 41'.

5654-63' Hard black very fine sandy shale, vertical fractured, slight bleed gas and oil.

5663-71' Dark grey medium silty glauconitic sand, super fractured, good bleed of oil and gas.

5671-78' Medium to medium coarse hard sand, slightly glauconitic, bleeding oil and gas.

6578-95' Very hard fine calcareous silty sand, vertical fractured, slight bleed of gas.