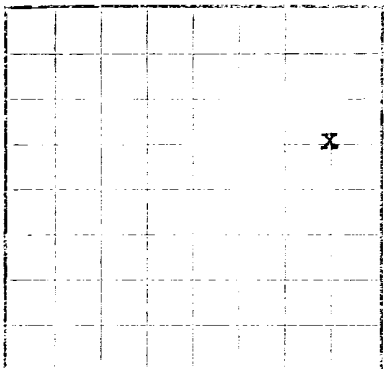


U. S. LAND OFFICE Sancti Fe
SERIAL NUMBER 077976
LEASE OR PERMIT TO PROSPECT Jones



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BENSON-MONTANA-GREER DRILLING Address 158 Petroleum Center Building
CORP. Farmington, New Mexico
Lessor or Tract Jones Field Undesignated State New Mexico
Well No. 5 Sec. 17 T. 28 R. 13 Meridian N.M.P.M. County San Juan
Location 1280 ft. N of 1 Line and 660 ft. E of E Line of Sec. 17 Elevation 6076
(Derrick foot height 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 August 16, 1960 Title Vice-President

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

Commenced drilling July 24th, 1960 Finished drilling August 4th, 1960

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

No. 1, from 5684 to 5706 No. 4, from _____ to _____
No. 2, from 5748 to 5764 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-	
8-5/8"	24#	8	J-55	238	-	-	-	-	Surface
4-1/2"	9.5#	8	J-55	5812	Texas Pattern	-	5684	5706	Production
							5748	5764	
2-3/8"	4.7#	8	BUE	5757	-	-	-	-	Tubing String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	249	225	Pump & Plug		
4-1/2"	5824	175			
2-3/8"	5768	-	X		

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
See attachment						

TOOLS USED

Rotary tools were used from Surface feet to 5825 feet, and from _____ feet to _____ feet
Cable tools were used for complete feet to _____ feet, and from _____ feet to _____ feet

DATES

Ran Tubing August 11th, 1960 Potential Test Put to producing August 11th, 1960

The production for the first 24 hours was 144 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Be. 33

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			
			FARMINGTON 500'
			FRUITLAND 1200'
			PICTURED CLIFFS 1640'
			LEWIS 1800'
			CLIPHOUSE 2590'
			MENEFEE 3290'
			POINT LOCKOUT 4165'
			MANCOS 4375'
			GALLUP 5030'
			BASE GALLUP 5800'

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 "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.

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WELLS - DRILLING CORP.
WELL HISTORY

7-24-60 Spudded 3:00 PM. Drilled to TD 249' RKB. Set 8 joints 238' of 8-5/8" OD 24# J-55 casing at 249' with 225 sacks regular cement, circulated to surface.

7-25-60 Pressured up on casing to 500#. No pressure decrease in 30 minutes.

8- 4-60 Drilled to TD 5825' RKB. Logged well. Set 185 joints 5812' of 4-1/2" OD 9.5# J-55 casing at 5824' with 175 sacks cement, 25# Gilsomite per sack, 1# flocculent per sack. Temperature survey showed top of cement at 4350'.

8- 7-60 Moved in and rigged up cable tools.

8- 9-60 Cleaned out to 5790'. Ran 2-3/8" tubing to 5790'. Displaced water with oil. Ran correlation log. Perforated 5748-64' with 4 jet shots per foot. Landed 2-3/8" tubing with packer at 5749'. Spotted 300 gallons 7 1/2% breakdown acid. Broke down formation at 1750#, broke to 550#. Pumped acid into formation at 850#. Overflushed with 8 barrels oil. Set packer at 5712'. Commenced swabbing back load.

8-10-60 Perforated 5684-5706' with 2 jet shots per foot. Ran tubing to 5710'. Dumped 300 gallons acid. Set packer at 5712'. Breakdown pressure 1300#, injected acid at 700#. Shut-down pressure 500#, 2-minute shut-down pressure 200#. Unseated packer and reset at 5642'. Commenced swabbing load.

8-11-60 Sand-oil treated with 68,200 gallons oil and 75,000# 20/40 sand, flushed with 4,200 gallons oil. After injecting 16,000 gallons, added 1700# Adomite. After injecting 40,000 gallons dropped 20 rubber balls. After injecting 52,000 gallons dropped 20 additional rubber balls. Breakdown pressure 1400#, average injection rate 29 barrels per minute. 15-minute SIP 700#. Ran 197 joints 5757' of 2-3/8" OD EUE tubing landed at 5768'. Swabbed well in.

8-16-60 After recovery of load, well flowed 24 barrels of 39° gravity oil through 20/64 choke in 6 hours. Flowing casing pressure ~~1120~~ 1120#, flowing tubing pressure 260#.

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