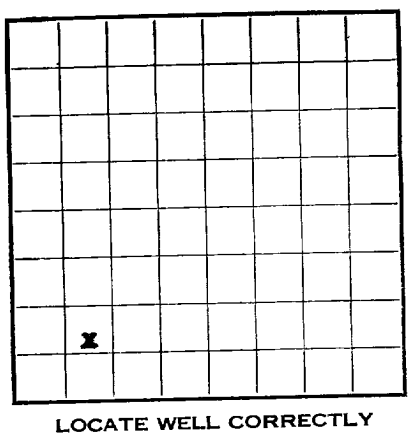
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080536
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JAN 28 1959
GEOLOGICAL SURVEY
NEW MEXICO

LOG OF OIL OR GAS WELL

Company Alfred E. McLane Address Box 728 - Farmington, New Mexico
Lessor or Tract Hall Field So. Blanco P.C.Ext. State New Mexico
Well No. 4 Sec. 21 T. 25-N R. 3-W Meridian N.M.P.M. County Rio Arriba
Location 870 ft. [N.] of S Line and 1070 ft. [E.] of W Line of Sec. 21 Elevation 7,490 (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 C. Beeson Neal, Agent in Farmington
Title

Date January 24, 1959

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

Commenced drilling Nov. 4, 1958, 19 Finished drilling Nov. 24, 1958, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3,921 to 3,940 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 rd.thd.	J-55	93	None				Surface
5-1/2"	15.5#	8 rd.thd.	J-55	3,983'	Halliburton		(3922	3926	Long String
							(3932	3940	
1-1/4"	Tubing	8rd.thd.	EUE	3,923	None				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	103	70	Halliburton	Mostly water	
5-1/2"	3980	100	Halliburton	Mostly water	

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
11/22/58. Dumped 200 gallons MCA. Treated with 25,000 gallons water and 30,000# sand. Flushed with 4,000 gallons water. Breakdown pressure 3000#. Treating pressure 1500-1700#. Average injection 61.3 b.p.m.						

TOOLS USED

Rotary tools were used from 103 feet to 3,981 feet, and from feet to feet
Cable tools were used from Surface feet to 103 feet, and from feet to feet

DATES

Potential test taken January 19, 1959, 19
Put to producing November 24, 1958, 19 Shut in for potential test to complete

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 2,607 MCF/Day Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1,007

EMPLOYEES

Benson-Montin-Greer Drilling Corporation, Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3,797	3,797	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland Formations.
3,797	3,823	26	Coal
3,823	3,838	15	Shale
3,838	3,840	2	Coal
3,840	3,884	44	Shale
3,884	3,891	7	Coal
3,891	3,921	30	Shale
3,921	3,940	19	Sand (Top of Pictured Cliffs at 3,921')
3,940	3,981	41	Shale

[OVER]

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

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