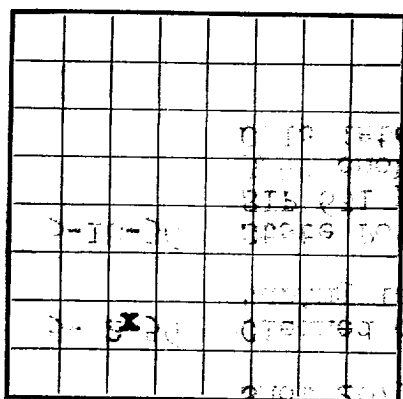


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **NM 04226**
LEASE OR PERMIT TO PROSPECT **McManus**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAY 23 1956

U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **BENSON-MONTIN** Address **2808 FIRST NATIONAL BUILDING**
Lessor or Tract **McMANUS** Field **BALLARD** State **OKLAHOMA CITY OKLA.**
Well No. **13** Sec. **4** T. **25N** R. **8W** Meridian **N.M.P.M.** County **SAN JUAN**
Location **990** ft. of **S** Line and **1650** ft. of **E** Line of **SEC. 4** Elevation **6477**
(Denote gas by G)
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 **May 21st 1956** Title **Field Superintendent**

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

Commenced drilling **January 27th 1956** Finished drilling **April 11th 1956**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2056** to **2145 (G)** 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		Purpose
							From	To	
8-5/8"	24#	8	J-55	91	None				Surface
5-1/2"	10#	8	J-55	2052	Tapered Bottom				Production
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	101	70	Pump & Plug		
5-1/2"	2061	100	" " "		

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
4"	Tin	SNB	180 qts.	4/27	2073-2145	2145

TOOLS USED

Rotary tools were used from **Surface** feet to **2066** feet, and from _____ feet to _____ feet
Cable tools were used from **2066** feet to **2145** feet, and from _____ feet to _____ feet

Ran Tubing

DATES

State Potential Test

May 2nd, 19 **56** Put to producing **May 18th**, 19 **56**

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 **901,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **631**

EMPLOYEES

Benson-Montin-Greer, Driller _____, Driller
Drilling Corp., Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2010	2010	Surface sand & shale, Ojo Alamo, Kirtland & Fruitland formations
2010	2016	6	Coal
2016	2048	32	Shale
2048	2056	8	Coal
2056	2105	49	Sand
TOP OF PICTURED CLIFFS 2056'			

State Potential Test by El Paso Natural Gas Company;
3 1/4" choke on casing. Choke volume 892 MCF/day.
Calculated open flow 901 MCF/day.

cleaned out to TD 21451. Ran 83 joints 1-1/4" HWH tubing landed at 20841.

Worked in cable tools, pulled tubing, drilled to TD 21451.

Shipped out diesel. Ray 95, June 2055, at 1. Funding.

Replaced 4749 2,000 gallons - placed off and 100 Gallons
Ht-Pls. displaced With 2,000 gallons diesel.

Injection rate 34.5 BPM. After 12 hours 30 MCR/day

and 30 000# and finished with 2,100 gallons diesel.

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

gallons salt water. Breakdown pressure 1200#.
 creating pressure 1000# infiltration rate 44.6 min.

Sandr-traced from 20614 to 20771 with 20,500 gallons
salt water and 25,000 sand (1000 lbs)

20881 with calcein, 20881, 20771 with hydromete.

Moved in cable 10018: IMPROVANT WATER SANDS

JD 20661, Set 5-1/2" casing, No. 8 casing

COASTING RECORD

Notice of Intention to Drill approved by U.S.G.S.

in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of charges used. If the well is of material used, position, and results of pumping or bailing. If the well is of material used, position, and results of pumping or bailing.

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

FORMATION RECORD—Continued