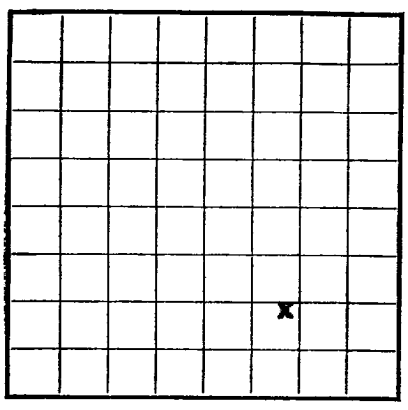
Form 9-330 COPY TO O. C. C.

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. Land Office Santa Fe
Serial Number NM 04226
Lease or Permit to Prospect McManus



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BENSON-MONTIN Address 1501 REPUBLIC BUILDING, OKLAHOMA CITY
Lessor or Tract McMANUS Field BALLARD PC State NEW MEXICO
Well No. 5 Sec. 4 T. 25N R. 7W Meridian N.M.P.M. County SAN JUAN
Location 1300 ft. [N.] of S Line and 1340 ft. [E.] of E Line of SECTION 4 Elevation 6562
(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 Clarence H. Greer
Date December 30, 1955 Title Field Superintendent

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

Commenced drilling September 24, 19 55 Finished drilling December 12, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2168 to 2213 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

RECEIVED
FEB 9 1956
OIL CON. COM.
DIST. 3

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	91	Texas Pattern	-	-	-	Surface
5-1/2"	14#	8	J-55	2173	Texas Pattern	-	-	-	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	101	80	Pump & Plug		
5-1/2"	2173	100	Pump & Plug		

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 2173 feet, and from feet to feet
Cable tools were used from 2173 feet to 2213 feet, and from feet to feet

DATES

Ran Tubing December 16, 19 55 Put to producing Potential Test December 27, 19 55

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 2,595,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 635 (shut in 11 days)

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2160	2160	Surface sand and shale, Ojo Alamo, Kirtland & Fruitland formations
2160	2162	2	Coal
2162	2164	2	Shale
2164	2168	4	Coal
2168	2213	45	Pictured Cliffs Sand

[OVER]

16—43094-3

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

EMPLOYEES

Driller ..... Driller

Driller ..... Driller

DATES

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

Rotary tools were used from ..... to ..... feet, and from ..... to ..... feet

TOOLS USED

Size	Sacks used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

SHOOTING RECORD

Adapters—Material ..... Size .....

Size ..... Length ..... Depth set .....

RULES AND ADAPTERS

Size	Kind of shoe	Cut and pulled from	Perforated from	To

CASING RECORD

Size casing	Put in well	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	To	Perforations

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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.

9-23-55 **Notice of Intention to Drill" approved by U.S.G.S.**

9-24-55 **Moved in shothole rig to set surface casing. Spudded.**

9-25-55 **TD 101' RKB. Set 3 joints 91' of 8-5/8" OD 24# J-55 casing at 101' with 80 sacks cement, circulated.**

10- 1-55 **Moved in rotary.**

10- 4-55 **TD 2173' RKB. Set 68 joints 2175' of 5-1/2" OD 14# J-55 casing at 2173' with 100 sacks cement.**

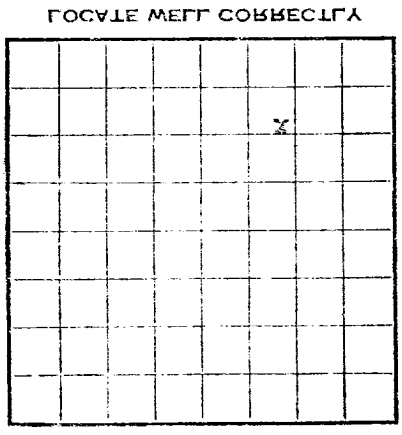
12-10-55 **Moved in cable tools.**

12-12-55 **Drilled to TD 2213'. Flowing 633 MCF/day. Sandfraced from 2173' to 2213' with 20,000 gallons salt water and 30,000# sand, flushed with 2,200 gallons salt water. Breakdown pressure 1850#, maximum treating pressure 2100#, minimum 1500#, final 1700#, injection rate 25 barrels per minute. After 18 hours flowing 1,532 MCF/day.**

12-16-55 **Ran 104 joints 2188' of 1" tubing landed at 2196'.**

12-27-55 **State Potential Test.**

LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

FORM 9-330