

GORDON

U.S. Land Office
Approval expires 12-31-60.HOBBS OFFICE OCC Santa Fe
U.S. LAND OFFICE

HOBBS OFFICE OCC

1962 APR 17

SERIAL NUMBER NM-01917

LEASE OR PERMIT TO PROSPECT

1962 APR 11 AM 10:39 UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Curtis Hankamer Address 1422 Bank of the Southwest Bldg., Houston 2, Texas
Lessor or Tract Gulf-Managan Field Wildcat State New Mexico
Well No. 1 Sec. 11 T. 24S R. 32E Meridian NM County Lea
Location 660 ft. N. of 0 Line and 660 ft. E. of 0 Line of Sec. 11 Elevation 3635.8
(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 Curtis Hankamer Title Engineer
Date 4-4-62

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

Commenced drilling 2-23-, 1962 Finished drilling 3-5, 1962OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4970 to 5024 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 None 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	21	8	CO	323	CO	4970	4970	4970	Production
4-1/2	9.5	8	CO	5065	CO	4970	4970	4970	Production
2"	4.8	8	CO	4500	CO	4970	4970	4970	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	323	150 SX plus 4" gel	lug	10.0	Displacement
4-1/2	5065	250 SX plus 4" gel	lug	10.0	Displacement

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

TOOLS USED

Rotary tools were used from _____ feet to 5065 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which 4-2- % was oil; 62 %
emulsion; 40 % water; and _____ % sediment. Gravity, °Bé. 60
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____

EMPLOYEES

_____, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	323	323	Surface formation and red bed
323	610	282	Anhydrite and shale
610	1320	710	Anhydrite
1320	2590	270	THE END OF COMPLETE DRILLER'S
2590	3525	935	Salt and anhydrite
3525	3840	315	ANHYDRITE
3840	4310	470	Salt and anhydrite
4310	4836	526	Anhydrite and lime
4836	4920	84	Anhydrite
4920	4951	31	Lime
4951	5065	114	Sand w/shale streaks
5065	TD		Base Lower Salt - 4604'
			Top Delaware Lime - 4920'
			Top Delaware sand - 4951'

(OVER)

ECHOVATION RECORD

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
			1. This log was prepared from the following data: 2. The well was drilled by the U.S. Geological Survey, under contract to the U.S. Navy, during the period 1942-1943. 3. The well was drilled to a depth of 1,000 feet. 4. The well was drilled through the following formations: 5. The well was drilled through the following formations: 6. The well was drilled through the following formations: 7. The well was drilled through the following formations: 8. The well was drilled through the following formations: 9. The well was drilled through the following formations: 10. The well was drilled through the following formations: 11. The well was drilled through the following formations: 12. The well was drilled through the following formations: 13. The well was drilled through the following formations: 14. The well was drilled through the following formations: 15. The well was drilled through the following formations: 16. The well was drilled through the following formations: 17. 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The well was drilled through the following formations: 98. The well was drilled through the following formations: 99. The well was drilled through the following formations: 100. The well was drilled through the following formations:

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.

Spudded well on 2-23-62. Set 32 1/2" 9 5/8" surface casing and cemented w/150 sxs plus 8" bit. Drilled to 5065 and set 4 1/2" 9 5/8" production casing and cemented w/250 sxs cement. Job complete 3-5-62. Cored well from 4694 to 5064.

HOMOC sand fractured well on 3-15-62. Treatment was 250 gals 15% HCl acid.

1000 gals refined oil.

1000# 20-40 sand.

Installed pumping unit and tanks. Well began producing 4-2-62.

2 copies of core analysis and electric logs attached.

Initial potential as follows:

Pumping 4500 gals/day

33" water/day

728/1 gpm

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WAS APR 11 AM 10 00 00 STATES

1000# 20-40 sand

1000# 20-40 sand