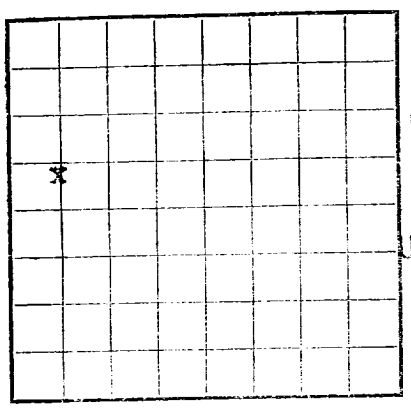
N. M. O. C. C. COPY

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

Form 9-330

U. S. LAND OFFICE .....
SERIAL NUMBER LC070456B
LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

RECEIVED
AUG 5 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 8 1960
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company Beard Oil Company Address 621 Hinkle Bldg., Roswell, N.M.
Lessor or Tract Marian Federal Field Wildcat State New Mexico
Well No. 1 Sec. 20 T. 16S R. 28E Meridian N.M.P.M. County Eddy
Location 1980 ft. [N.] of N Line and 660 ft. [E.] of W Line of 20-16-28 Elevation 3600 (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 G. Ray Holmes
Title Agent

Date August 4, 1960

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

Commenced drilling 6-5-60, 19.... Finished drilling 7-29-60, 19....

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

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

IMPORTANT WATER SANDS

No. 1, from 190 to 195
No. 2, from ..... to .....
No. 3, 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
10-3/4	32	8 rd	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
		None			

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
		None				

TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet
Cable tools were used from 0 feet to 3300 feet, and from ..... feet to ..... feet

DATES

August 1, 1960
Put to producing Plugged, 19....

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 .....
Gallons gasoline per 1,000 cu. ft. of gas .....
Rock pressure, lbs. per sq. in. .....

EMPLOYEES

Luther Kile, Driller
H. E. Hanson, Driller
Carl E. Davis, Driller
....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Gyp & sand
15	20	5	Red bed
20	85	65	Red rock & gyp
85	95	10	Shale
95	115	20	Gyp & potash
115	135	20	Shale & shells
135	148	13	Gyp, potash & shale
148	180	32	Anhydrite & red bed
180	190	10	Anhydrite
190	195	5	Broken anhydrite & shale
195	205	10	Broken anhydrite & gravel
205	235	30	Broken anhydrite
235	250	15	Gyp & shale
250	260	10	Blue shale & anhydrite
260	303	43	Red bed
303	315	12	Red bed & gyp
315	333	18	Shale
333	341	8	Gyp & anhydrite
341	345	4	Blue shale
345	350	5	Shale & shells
350	370	20	Red rock
370	405	35	Red bed & broken anhydrite
405	440	35	Broken anhydrite
440	797	357	Anhydrite
797	825	28	Red sand, red rock & anhydrite

FROM TO TOTAL FEET FORMATION

16—48094-4

[OVER]

FOLD | MARK

FORMATION RECORD—CONTINUED

AT THE TOP OF THIS SPACE ENTER THE NAME OF DRILLER'S LOG, ADD STRATIGRAPHIC AND PRODUCTIVE ZONE RECORDS, WHETHER FROM DRILLER'S OR GEOLOGIST'S RECORDS.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
825	1002	177	Anhydrite & red rock
1002	1036	34	Red rock & sand
1036	1268	232	Broken anhydrite
1255	1273	18	Red sand
1273	1290	17	Anhydrite
1290	1310	20	Red sand
1310	1375	65	Broken anhydrite
1375	1410	35	Sandy shale & anhydrite
1410	1450	40	Anhydrite
1450	1490	40	Anhydrite & red shale
1490	1500	10	Red rock & lime
1500	1575	75	Lime
1575	1584	9	Lime & anhydrite
1584	1615	31	Anhydrite & red rock
1615	1655	40	Red shale & anhydrite
1655	1670	15	Anhydrite
1670	1760	90	Anhydrite & red rock
1760	1792	32	Broken lime & red shale
1792	1795	3	White lime
1795	1807	12	Lime & sandy shale
1807	1810	3	White lime
1810	1830	20	Brown lime
1830	1875	45	Gray lime
1875	1885	10	Sandy lime
1885	3159	1274	Gray lime
3159	3170	11	Sand
3170	3175	5	Sandy lime
3175	3185	10	Sand
3185	3285	100	Lime
3285	3315	30	Lime & shale
3315	3370	55	Lime
3370	3380	10	Sandy lime
3380	3382	2	Lime
3382	TD		

ween	1255
	1500
San Andres	1790
Glorieta	3267

HISTORY OF OIL OR GAS WELL

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

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.