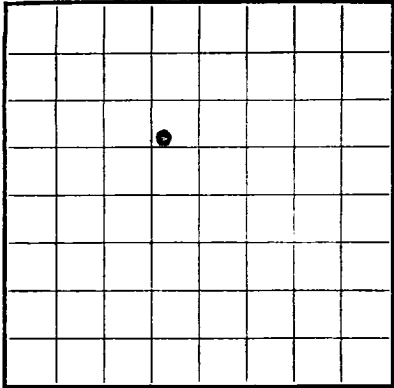




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 053434
LEASE OR PERMIT TO PROSPECT

1063 AM 6-19-63
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

25 1963
S. GEOL. SURVEY
HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Marathon Oil Company Address Box 2107, Hobbs, New Mexico
Lessor or Tract Lea Unit Field Lea Dev. & Lea Plateau New Mexico
Well No. 10 Sec. 13 T. 20S R. 34E Meridian County Lea
Location 1980 ft. N of 12 Line and 1980 ft. E of W Line of Sec. 13 Elevation 3654 GL
(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

[Signature]

Date 6-20-63

Title Asst. Superintendent

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

Commenced drilling 1-1-63, 19 Finished drilling 5-16-63, 19

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 14,308' to 14,434' (Oil) No. 4, from _____ to _____
No. 2, from 12,890' to 13,114' (Gas) 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—	
<u>13 3/8</u>	<u>48#</u>	<u>82</u>	<u>Spang</u>	<u>854'</u>	<u>Guide</u>				<u>Surface</u>
<u>9 5/8</u>	<u>36#</u>	<u>82</u>	<u>"</u>	<u>5061'</u>	<u>Guide</u>				<u>Intermediate</u>
<u>7"</u>	<u>26 1/2#</u>	<u>82 & Butt</u>	<u>"</u>	<u>14,308'</u>	<u>Guide</u>				<u>Prod.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8</u>	<u>854'</u>	<u>800</u>	<u>2-Plug</u>		
<u>9 5/8</u>	<u>5061'</u>	<u>19,870</u>	<u>2-Plug</u>		
<u>7"</u>	<u>14,308'</u>	<u>1125</u>	<u>2-Plug</u>		

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 0 feet to 14,438' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-20-63, 19 Put to producing 6-4-63, 19
The production for the first 24 hours was 486.61 barrels of fluid of which 99.4 % was oil; 0 %
emulsion 0.6 % water; and 0 % sediment. Gravity, °Bé. 50.6° (Sand)
If gas well, cu. ft. per 24 hours 9,663,000 Gallons gasoline per 1,000 53.8° of (Devonian)
Rock pressure, lbs. per sq. in. SITP 4612 psi

EMPLOYEES

Drilling and Exploration Co., Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	470	470	Lime
470	1376	906	Red Beds
1376	2470	1094	Salt
2470	3284	814	Salt, Lm, Anhy
3284	3490	206	Lm, Anhy
3490	4036	546	Lm, Anhy
4036	6924	2888	Lime
6924	7352	428	Sd, Lm, Chert
7352	7790	438	Sd, Lm
7790	8783	993	Lime
8783	9002	219	Lm, Dolo
9002	9409	407	Lm, Chert
9409	9491	82	Sd, Lm, Chert
9491	9598	107	Lime, Dolo
9598	9660	62	Sd, Sh, Chert
9660	9666	6	Sh, Sd
9666	9841	175	Sd, Dolo
9841	10,013	172	Dolo, Chert
10,013	10,063	50	Lm, Chert
10,063	10,301	238	Dolo
10,301	10,390	89	Lm, Sh
10,390	10,518	128	Dolo, Sd
10,518	10,610	92	Dolo
10,610	10,693	83	Lime
10,693	10,799	106	Lm, Shale

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
10,799	11,092	293	lm, sh
11,092	11,550	458	lm, chert
11,550	11,696	146	Do, chert
11,696	11,908	212	lm, sh
11,908	12,070	162	Shale
12,070	12,310	240	Do, chert
12,310	12,365	55	lm, Do
12,365	12,540	175	Do, sh
12,540	12,615	75	Do, sh
12,615	12,661	46	Do
12,661	12,860	199	sh, lm, chert
12,860	13,178	318	lm, sh
13,178	13,256	78	sh & sd
13,256	13,559	303	lm & sh
13,559	13,811	252	lm, chert
13,811	13,854	43	Do
13,854	14,171	317	lm, chert
14,171	14,310	139	Shale
14,310	14,438	128	lime
TOTAL DEPTH 14,438'			
DIST: U.S.G.S. Comm. of Public Lands Sincclair Jake L. Hamon J. A. Grimes D. V. Kitley L. H. Shearer T. A. Steele J. B. Barber B. B. Kennedy			

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 "side-tracked" 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.