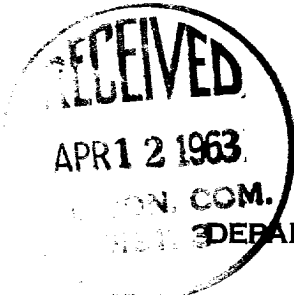


X									



U. S. LAND OFFICE Jicarilla  
SERIAL NUMBER 154  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY  
Company Marathon Oil Company Address P. O. Box 120, Casper, Wyoming  
Lessor or Tract Jicarilla-Apache Field Undesignated State New Mexico  
Well No. 3 Sec. 34 T. 26N R. 5W Meridian Rio Arriba County  
Location 990 ft. S of N Line and 990 ft. E of W Line of Sec. 34 Elevation 6551-Ground  
(Derrick base 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 April 5, 1963 Title Division Supt. of Operations

The summary on this page is for the condition of the well at above date.  
Commenced drilling March 10, 1963 Finished drilling March 19, 1963

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

No. 1, from G 3795 to 3904 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	
10-3/4	32	8rd		206.86	Guide				Surface Production
7"	20	8rd		2333.67	Float				
4 1/2	9.5	8rd		1874.68	Baker Duplex & Texas	Patterson			Liner

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
4 1/2	2862-3904	Liner 175-50-50 Romix	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 2995 feet to 3904 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 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 968 MCFPD **Calculated open flow,** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

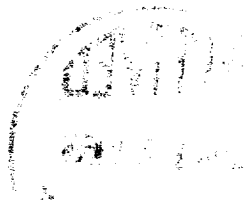
**EMPLOYEES**

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
Old well drilled deeper 3795	3904	109	Chacra
- From 2995 to 3904			

FOLD MARK



STATE OF TEXAS  
 DEPARTMENT OF AGRICULTURE  
 DIVISION OF OIL AND GAS

HISTORY OF OIL OR GAS WELL

3/10-63 Moved in and rigged up Lawrence Drilling Company rig. Killed well with water. Late down casing, picked up 4-4-3/4" drill collars and 2-7/8" drill pipe and dried up and drilled old hole with gas to 2925'.  
 3/10-11-12 Drilled with gas to 3904' TD.  
 3/13 Ran Gamma Ray Induction Log. Log top of chart 3795'. Ran 33 joints 4 1/2" x 9.54' Texas Pattern shoe. Cemented with 75 sacks 50-50 Pozmix, 4% gel. Ran 20 bbls. mud ahead of cement. Displaced with 17 bbls. water. Plug down at 10:00 PM. 3/13-63. Circulated 2 hrs. WOC. Pressured casing, 4:45 PM, 3/14-63 to test liner. Pressure broke at 400#. Ran 4 1/2" packer and pressured inside liner. Tested OK.  
 3/15 Squared top of liner with 100 sacks cement 6 1/2" Hulsid-9 and ZC-C12. Broke down at 1700#. Displaced cement into formation with final pressure of 900#. Job complete at 11:00 AM, 3/15-63. WOC. Went in hole with 6 1/2" bit and found top of cement at 2805'. Cleaned out to 2820'. Cement soft. WOC until 5:00 AM, 3/16-63. Drilled firm cement to 2865'.  
 3/16 Drilled approximately 5' of cement in liner and cleaned out to bottom. Ran Schlumberger Correlation Log. Perforated 4 1/2" liner from 3800-22 with crack jets and 2 No-Plug jets per ft. Complete at 6:00 PM, 3/16-63. Sand water mixed with 20,000# - 20-40 sand and 10,000# 20-10 sand and 20,000 gallons of water. Broke down at 1300#. Maximum 1650#. Average injection rate 48 BPM. SI pressure 1000#. 5 min. shut in 900#. Completed at 8:00 PM, 3/16-63.  
 3/17 Went in with drill pipe and tubing and blew down to 3880' at 1:00 PM, 3/17-63. Continued to blow hole dry with gas. Tested 650 MFCPS at 4:00 PM, 3/17-63. Continued to flow well. Tested 650 MFCPS at 12:00 MFCPS, 3/17-63.  
 3/18 Laid down drill pipe and 2-3/8" tubing and ran 112 joints 1 1/2" tubing landed at 3805.67'. Released rig at 8:00 AM, 3/19-63.

DATE	DESCRIPTION	DEPTH	FORMATION
3/10-63	Moved in and rigged up Lawrence Drilling Company rig. Killed well with water. Late down casing, picked up 4-4-3/4" drill collars and 2-7/8" drill pipe and dried up and drilled old hole with gas to 2925'.	2925'	
3/10-11-12	Drilled with gas to 3904' TD.	3904'	
3/13	Ran Gamma Ray Induction Log. Log top of chart 3795'. Ran 33 joints 4 1/2" x 9.54' Texas Pattern shoe. Cemented with 75 sacks 50-50 Pozmix, 4% gel. Ran 20 bbls. mud ahead of cement. Displaced with 17 bbls. water. Plug down at 10:00 PM.		
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TOTAL			