

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 049 25309

Approval Date: 09/12/2019  
Expiration Date: 03/12/2021

Horizontal Hole Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 3N Rge: 4W County: GARVIN  
SPOT LOCATION:  NW  NE  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 278 437

Lease Name: RALPH 0304 Well No: 4-11-2WXH Well will be 278 feet from nearest unit or lease boundary.  
Operator Name: MARATHON OIL COMPANY Telephone: 4057285228 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY  
PO BOX 68  
OKLAHOMA CITY, OK 77001-0068

CARL R. DUTTON & KATHRYN A. DUTTON TRUSTEES OF  
THE DUTTON TRUST DATED JULY 24, 2014  
PO BOX 71  
LINDSAY OK 73052

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 WOODFORD	12459	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 659228  
659164

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903607  
201903598  
201903596  
201903608

Special Orders:

Total Depth: 23203

Ground Elevation: 1131

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 200

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36923

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 02 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1210

Depth of Deviation: 12147

Radius of Turn: 462

Direction: 354

Total Length: 10330

Measured Total Depth: 23203

True Vertical Depth: 13150

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

8/28/2019 - GC3 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

8/28/2019 - GC3 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

MEMO

8/28/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201903596

9/12/2019 - GB6 - (E.O.) 11-3N-4W  
X659164 WDFD  
3 WELLS  
MARATHON OIL COMPANY  
REC. 8/20/2019 (NORRIS)

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The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PENDING CD - 201903598	9/12/2019 - GB6 - (E.O.) 2-3N-4W X659228 WDFD 1 WELL MARATHON OIL COMPANY REC. 8/20/2019 (NORRIS)
PENDING CD - 201903607	9/12/2019 - GB6 - (E.O.) 2 & 11 -3N-4W X659228 WDFD, OTHERS 2-3N-4W X659164 WDFD, OTHERS 11-3N-4W COMPL. INT. (2-3N-4W) NCT 165' FNL, NCT 0' FSL, NCT 990' FEL COMPL. INT. (11-3N-4W) NCT 0' FNL, NCT 165' FSL, NCT 990' FEL MARATHON OIL COMPANY REC. 8/20/2019 (NORRIS)
PENDING CD - 201903608	9/12/2019 - GB6 - (E.O.) 2 & 11 -3N-4W EST MULTIUNIT HORIZONTAL WELL X659228 WDFD, OTHERS 2-3N-4W X659164 WDFD, OTHERS 11-3N-4W 50% 2-3N-4W 50% 11-3N-4W REC. 8/20/2019 (NORRIS)
SPACING - 659164	9/12/2019 - GB6 - (HOR)(640) 11-3N-4W EST WDFD, OTHERS POE TO BHL (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL (COEXIST SP. ORDER #349600 WDFD NE4)
SPACING - 659228	9/12/2019 - GB6 - (HOR)(640) 2-3N-4W EST WDFD, OTHERS POE TO BHL (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL (COEXIST SP. ORDER #351246 WDFD)
SPUD DATE	8/26/2019 - SMTHBRTT8 - THIS WELL IS SCHEDULED TO SPUD ON 9/17/2019.

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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of the Conservation Division as to when Surface Casing will be run.

