

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

API NUMBER: 049 25311

Approval Date: 09/13/2019
Expiration Date: 03/13/2021

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 3N Rge: 4W County: GARVIN
SPOT LOCATION: NW NE SE SW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 2300

Lease Name: RALPH 0304 Well No: 2-11-2WXH Well will be 200 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 OR 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	11800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 659228
659164

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903603
201903604
201903598
201903596

Special Orders:

Total Depth: 22041 Ground Elevation: 1143

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 300

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36896

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 11 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: SW SW SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1430

Depth of Deviation: 11413

Radius of Turn: 462

Direction: 190

Total Length: 9902

Measured Total Depth: 22041

True Vertical Depth: 12395

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

Notes:

Category

Description

DEEP SURFACE CASING

8/26/2019 - 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

8/26/2019 - 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; 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

MEMO

8/26/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201903596

9/13/2019 - GB6 - (E.O.) 11-3N-4W
X659164 WDFD
3 WELLS
MARATHON OIL COMPANY
REC. 8/20/2019 (NORRIS)

PENDING CD - 201903598

9/13/2019 - GB6 - (E.O.) 2-3N-4W
X659228 WDFD 3 WELLS
MARATHON OIL COMPANY
REC. 8/20/2019 (NORRIS)

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.

049 25311 RALPH 0304 2-11-2WXH

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 - 201903603	9/13/2019 - 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 1320' FWL COMPL. INT. (11-3N-4W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FWL MARATHON OIL COMPANY REC. 8/20/2019 (NORRIS)
PENDING CD - 201903604	9/13/2019 - 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 MARATHON OIL COMPANY REC. 8/20/2019 (NORRIS)
SPACING - 659164	9/13/2019 - 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	9/13/2019 - 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)

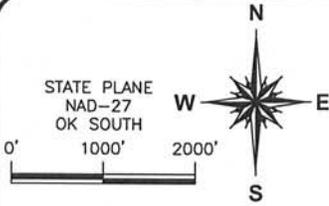
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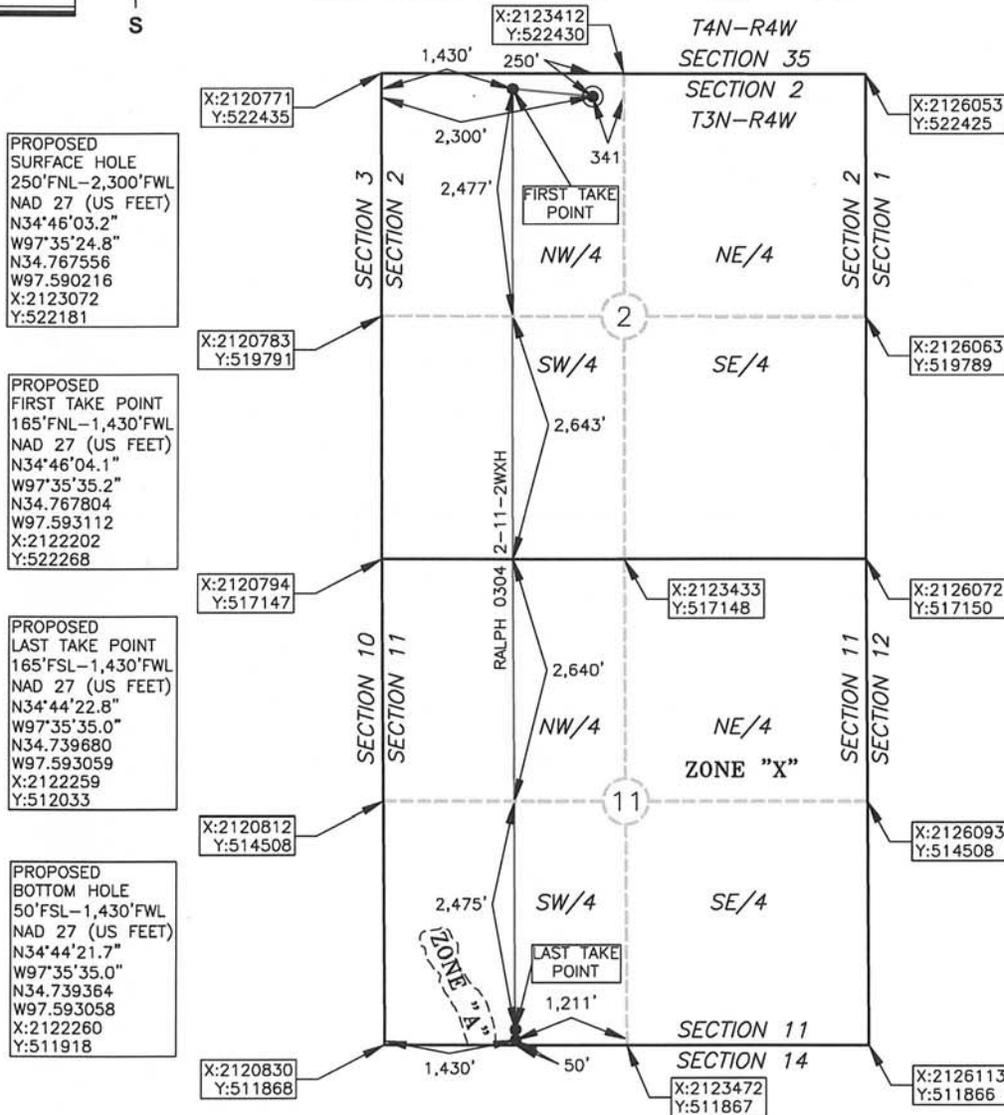
866.850.4200 www.atwell-group.com
704 W. 41st Street | Sand Springs, OK 74063
OK CA #6036

GARVIN COUNTY, OKLAHOMA

35-049-25311



250' FNL - 2,300' FWL SECTION 2 TOWNSHIP 03N RANGE 04W I.M.



PROPOSED SURFACE HOLE
250'FNL-2,300'FWL
NAD 27 (US FEET)
N34°46'03.2"
W97°35'24.8"
N34.767556
W97.590216
X:2123072
Y:522181

PROPOSED FIRST TAKE POINT
165'FNL-1,430'FWL
NAD 27 (US FEET)
N34°46'04.1"
W97°35'35.2"
N34.767804
W97.593112
X:2122202
Y:522268

PROPOSED LAST TAKE POINT
165'FNL-1,430'FWL
NAD 27 (US FEET)
N34°44'22.8"
W97°35'35.0"
N34.739680
W97.593059
X:2122259
Y:512033

PROPOSED BOTTOM HOLE
50'FNL-1,430'FWL
NAD 27 (US FEET)
N34°44'21.7"
W97°35'35.0"
N34.739364
W97.593058
X:2122260
Y:511918

OPERATOR: MARATHON OIL COMPANY

LEASE NAME: RALPH 0304

WELL NO.: 2-11-2WXH

TOPOGRAPHY & VEGETATION: OPEN FIELD

ELEVATION:
1,143' GR. AT STAKE NAVD88
1,140' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES _____ REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET NONE _____

BEST ACCESS TO LOCATION: FROM THE WEST SIDE OF COUNTY ROAD 3040

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF OK HWY. 76 & COUNTY ROAD 1540 ± 3.7 MI., THENCE EAST ALONG COUNTY ROAD 1540 ± 1.0 MI. THENCE SOUTH ALONG COUNTY ROAD 3040 ± 0.5 MI. THENCE SW ALONG A LEASE ACCESS ROAD ± 0.8 MI. THE PAD WILL BE IN A FIELD ON THE WEST SIDE OF THE ROAD.

DATUM: NAD 27
 LAT: 34° 46' 03.2" N
 LONG: 97° 35' 24.8" W
 LAT: 34.767556° N
 LONG: 97.590216° W
 STATE PLANE COORDINATES: (US FEET)
 ZONE: OK SOUTH
 X: 2123072
 Y: 522181

This information was gathered with a GPS receiver with ±1 foot Horiz/Vert accuracy.

DATE OF DRAWING: 06-27-19
 JOB NO.: 19002174 DATE STAKED: 06-20-19

CERTIFICATE:
 I, MICHAEL C. RAY an Oklahoma Licensed Land Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein

(Signature)
 Oklahoma Lic. No. 1653

