

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

API NUMBER: 049 25180

Approval Date: 01/12/2018  
Expiration Date: 07/12/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 3N Rge: 4W County: GARVIN  
SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 2436 240

Lease Name: MARIO 0304 Well No: 1-5-8WXH Well will be 240 feet from nearest unit or lease boundary.  
Operator Name: MARATHON OIL COMPANY Telephone: 7132962003 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY  
5555 SAN FELIPE ST  
HOUSTON, TX 77056-2701

MICHAEL RAY & ROBIN CAI BLOUGH TRUST  
402 ROBERSON  
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 WOODFORD	13613	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671679  
671680

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707694  
201707693  
201705830

Special Orders:

Total Depth: 21496 Ground Elevation: 1079 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 340

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT)  
H. SEE MEMO

PERMIT NO: 17-33437

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX 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 08 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 12868

Radius of Turn: 583

Direction: 185

Total Length: 7712

Measured Total Depth: 21496

True Vertical Depth: 14113

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

Notes:

Category

Description

DEEP SURFACE CASING

1/11/2018 - G71 - 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

1/11/2018 - G71 - 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

1/11/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201705830

1/11/2018 - G57 - (I.O.) 5-3N-4W  
X671679 WDFD  
1 WELL  
NO OP. NAMED  
REC 10-9-2017 (M. PORTER)

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

The duration of this permit is SIX 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.

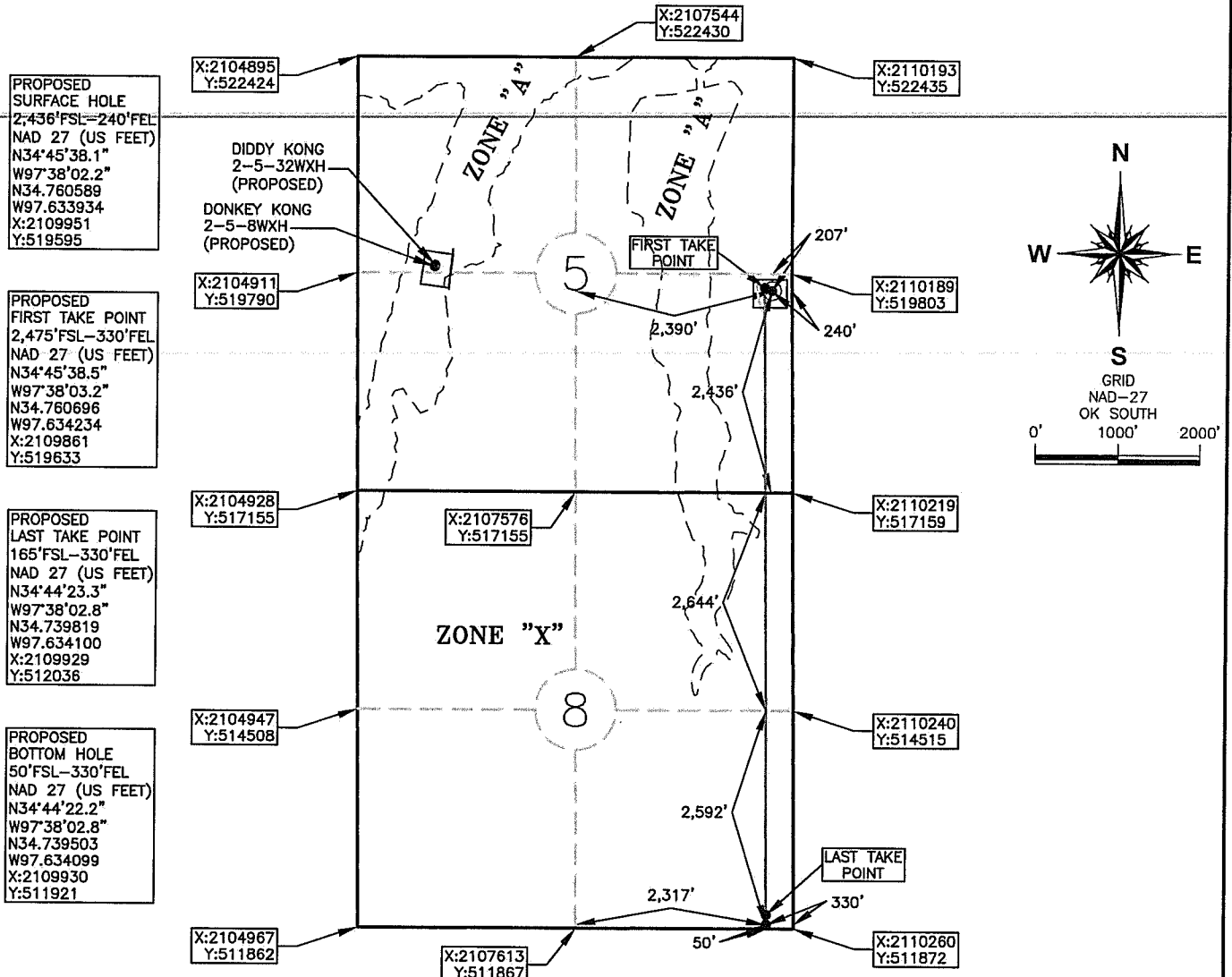
049 25180 MARIO 0304 1-5-8WXXH

Category	Description
PENDING CD - 201707693	1/11/2018 - G57 - (I.O.) 5 & 8-3N-4W EST MULTIUNIT HORIZONTAL WELL X671679 WDFD 5-3N-4W X671680 WDFD 8-3N-4W 33% 5-3N-4W 67% 8-3N-4W MARATHON OIL COMPANY REC 12-11-2017 (THOMAS)
PENDING CD - 201707694	1/11/2018 - G57 - (I.O.) 5 & 8-3N-4W X671679 WDFD 5-3N-4W X671680 WDFD 8-3N-4W COMPL. INT. (5-3N-4W) NCT 1320' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (8-3N-4W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL NO OP. NAMED REC 12-11-2017 (THOMAS)
SPACING - 671679	1/11/2018 - G57 - (640)(HOR) 5-3N-4W EXT 658538/659832/663306 WDFD, OTHERS POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 671680	1/11/2018 - G57 - (640)(HOR) 8-3N-4W EXT 658538/659832/663306 WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

This permit does not address the right of entry or settlement of surface damages.  
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Office of the Conservation Division as to when Surface Casing will be run.



API: 049 25180

GARVIN COUNTY, OKLAHOMA  
2,436' FSL - 240' FEL SECTION 5 TOWNSHIP 03N RANGE 04W1.M.

OPERATOR: MARATHON OIL COMPANY

LEASE NAME: MARIO 0304

WELL NO.: 1-5-8WXH

ELEVATION:

1,082' GR. AT STAKE NAVD88

1,079' GR. AT STAKE NGVD29

TOPOGRAPHY &amp; VEGETATION: OPEN FIELD w/INTERMITTENT TREES

GOOD DRILL SITE? YES

REFERENCE STAKES OR ALTERNATE LOCATION  
STAKES SET NONE

BEST ACCESS TO LOCATION: N3010 RD. TO THE EAST

DISTANCE AND DIRECTION

FROM HWY JCT OR TOWN: BEGINNING AT THE INTERSECTION OF E COUNTY ROAD 1520 AND OK HWY 76 IN ERIN SPRINGS, OK DRIVE SOUTH ON OK HWY 76 FOR APPROX. 2 MILES. THEN WEST ON GARVIN POINT ROAD FOR 6.5 MILES, THEN SOUTH ON N3022 RD FOR 1 MILE, THEN WEST 1 MILE ON CR 1550 RD, THE SOUTH ON N3010 RD FOR .5 MILES. THE SITE IS IN THE FIELD ON THE WEST SIDE OF THE ROAD.

DATUM: NAD 27

LAT: 34° 45' 38.1" N

LONG: 97° 38' 02.2" W

LAT: 34.760589° N

LONG: 97.633934° W

STATE PLANE

COORDINATES: (US FEET)

ZONE: OK SOUTH

X: 2109951

Y: 519595

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

JOB NO.: 17002887

DATE OF DRAWING: 10/19/17

DATE STAKED: 10/18/17

CERTIFICATE:

I, DAVID L. ANDERSON an Oklahoma Licensed Land  
Surveyor and an authorized agent of Atwell, LLC, do  
hereby certify to the information shown herein

David L. Anderson 10-23-17

Oklahoma Lic. No. 1927

