

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

API NUMBER: 011 23836

Approval Date: 07/31/2017
Expiration Date: 01/31/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 14N Rge: 11W County: BLAINE
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 215

Lease Name: LONDYN BIA 1411 Well No: 1-9MH Well will be 215 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

C LAND LLC
RR #2 BOX 55
GEARY OK 73040

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10924	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 586745

Location Exception Orders: 665480

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17275

Ground Elevation: 1482

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 50

Under Federal Jurisdiction: Yes

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 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: DOG CREEK SHALE

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

H. SEE MEMO

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 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: DOG CREEK SHALE

HORIZONTAL HOLE 1

Sec 09 Twp 14N Rge 11W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 375

Depth of Deviation: 11683

Radius of Turn: 462

Direction: 357

Total Length: 4866

Measured Total Depth: 17275

True Vertical Depth: 12412

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

Notes:

Category

Description

DEEP SURFACE CASING

7/26/2017 - G58 - 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

7/26/2017 - G58 - 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: [HTTP://WWW.OCCWEB.COM/OG/OGFORMS.HTML](http://www.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 [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/)

INTERMEDIATE CASING

7/26/2017 - G58 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 665480

7/31/2017 - G60 - (I.O.) 9-14N-11W
X586745 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
MARATHON OIL CO.
6/30/17

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.

Category	Description
MEMO	7/26/2017 - G58 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 586745	7/31/2017 - G60 - (640) 9-14N-11W VAC 170847 EXT 583322 MSSP, OTHERS

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.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

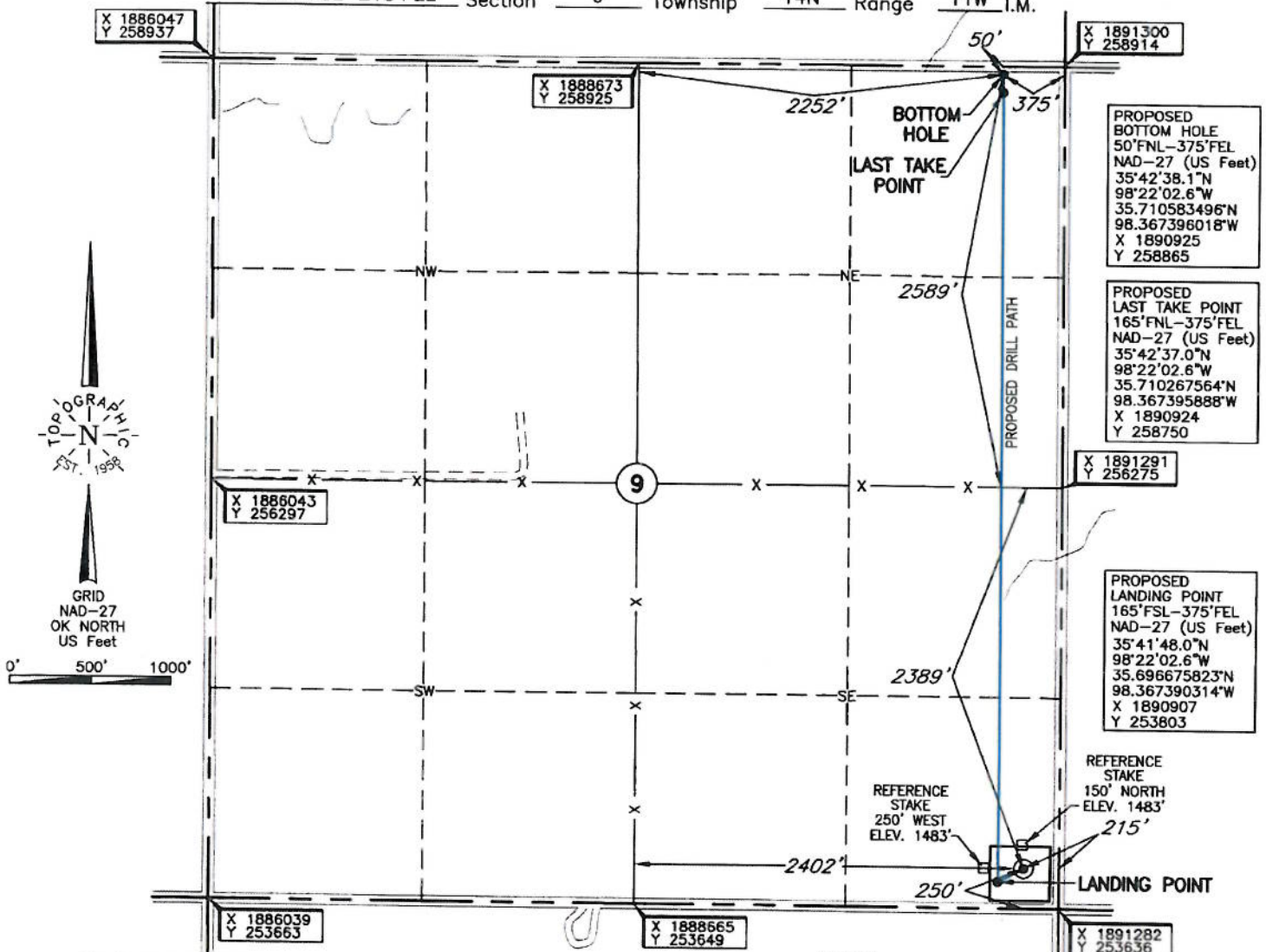
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

3501123836

BLAINE

County, Oklahoma

250'FSL-215'FEL Section 9 Township 14N Range 11W I.M.



PROPOSED
 BOTTOM HOLE
 50'FNL-375'FEL
 NAD-27 (US Feet)
 35°42'38.1"N
 98°22'02.6"W
 35.710583496"N
 98.367396018"W
 X 1890925
 Y 258865

PROPOSED
 LAST TAKE POINT
 165'FNL-375'FEL
 NAD-27 (US Feet)
 35°42'37.0"N
 98°22'02.6"W
 35.710267564"N
 98.367395888"W
 X 1890924
 Y 258750

X 1891291
 Y 256275

PROPOSED
 LANDING POINT
 165'FSL-375'FEL
 NAD-27 (US Feet)
 35°41'48.0"N
 98°22'02.6"W
 35.696675823"N
 98.367390314"W
 X 1890907
 Y 253803

REFERENCE
 STAKE
 150' NORTH
 ELEV. 1483'

X 1891282
 Y 253636

LANDING POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SUREYED.

NOTE:
 The information shown herein is for construction purposes ONLY.

Operator: MARATHON OIL COMPANY
 Lease Name: LONDYN BIA 1411

ELEVATION:
1482' Gr. at Stake

Topography & Vegetation Loc. fell in level plowed field; ±182' West of N-S power line

Good Drill Site? Yes Reference Stakes Set (1) 150' North Elev.: 1483' (2) 250' West Elev. 1483'

Best Accessibility to Location From South off county road
 Distance & Direction from Hwy Jct or Town From the junction of US Hwy. 270 and US Hwy. 281 at Gentry, OK, go ±5 miles NW on US Hwy. 281, then ±0.6 miles West to the SE Cor. of Sec. 9-T14N-R11W.

DATUM: NAD-27
 LAT: 35°41'48.9"N
 LONG: 98°22'00.7"W
 LAT: 35.696908714"N
 LONG: 98.366851648"W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1891068
 Y: 253887

Revision E Date of Drawing: Jul. 11, 2017
 Invoice # 266066 Date Staked: Oct. 4, 2016

CERTIFICATE:
 I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein
 Oklahoma Lic. No. 1778



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