

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

API NUMBER: 017 25055

Approval Date: 08/23/2017
Expiration Date: 02/23/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 14N Rge: 9W County: CANADIAN
SPOT LOCATION: NE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 460 231

Lease Name: IVA O MCCABE 1409 Well No: 1-3-34WXH Well will be 231 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

JEAN M DAVIS
13 BIRCH
YUKON OK 73099

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

Name	Depth	Name	Depth
1 WOODFORD	10669	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 586897 Location Exception Orders: 666003 Increased Density Orders:
665234
665863

Pending CD Numbers: Special Orders:

Total Depth: 20974 Ground Elevation: 1288 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 380

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

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

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

H. SEE MEMO

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: BLAINE

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: BLAINE

HORIZONTAL HOLE 1

Sec 34 Twp 15N Rge 9W County KINGFISHER

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: 10208

Radius of Turn: 462

Direction: 359

Total Length: 10040

Measured Total Depth: 20974

True Vertical Depth: 11196

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

Notes:

Category

Description

DEEP SURFACE CASING

8/17/2017 - 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

8/17/2017 - 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: 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

INTERMEDIATE CASING

8/17/2017 - 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 - 666003

8/23/2017 - G64 - (I.O.) 3-14N-9W & 34-15N-9W
X586897 WDFD 3-14N-9W
X665234 WDFD 34-15N-9W
COMPL. INT. (3-14N-9W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL
COMPL. INT. (34-15N-9W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL
MARATHON OIL COMPANY
7-17-2017

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

017 25055 IVA O MCCABE 1409 1-3-34WXH

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	8/17/2017 - G58 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 586897	8/22/2017 - G64 - (640)(HOR) 3-14N-9W EST WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 665234	8/23/2017 - G64 - (640)(HOR) 34-15N-9W EXT 647811 WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 665863	8/23/2017 - G64 - (I.O.) 3-14N-9W & 34-15N-9W EST MULTIUNIT HORIZONTAL WELL X586897 WDFD 3-14N-9W X665234 WDFD 34-15N-9W 50% 3-14N-9W 50% 34-15N-9W MARATHON OIL COMPANY 7-12-2017

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

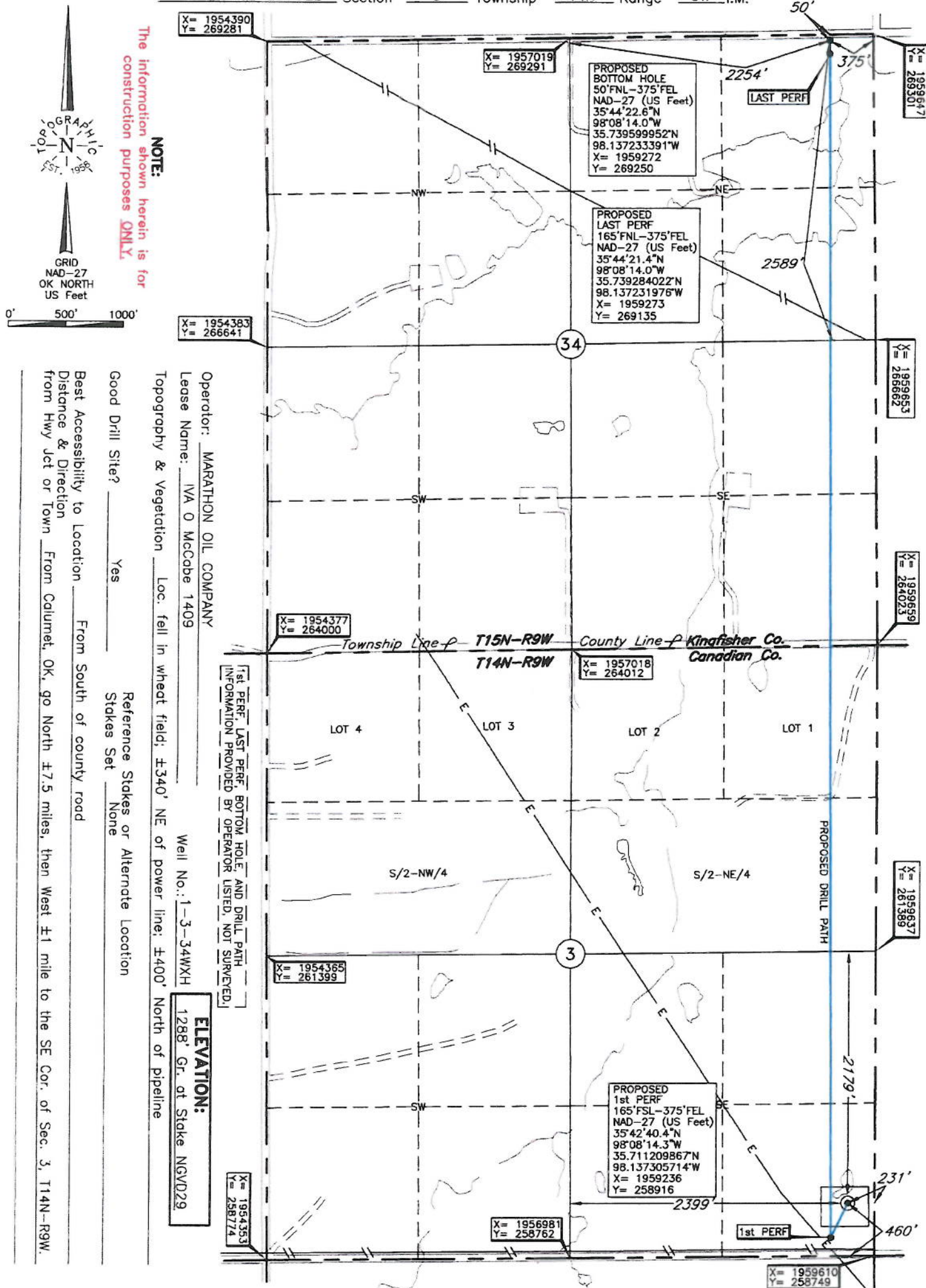
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

CANADIAN

County, Oklahoma

460'FSL-231'FEL Section 3 Township 14N Range 9W I.M.



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

Operator: MARATHON OIL COMPANY
 Lease Name: IVA O McCabe 1409
 Topography & Vegetation: Loc. fell in wheat field; ±340' NE of power line; ±400' North of pipeline
 Well No.: 1-3-34WXH
 ELEVATION: 1288' Gr. at Stake NGVD29

Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set
 Best Accessibility to Location: From South of county road
 Distance & Direction: From Colunnet, OK, go North ±7.5 miles, then West ±1 mile to the SE Cor. of Sec. 3, T14N-R9W.

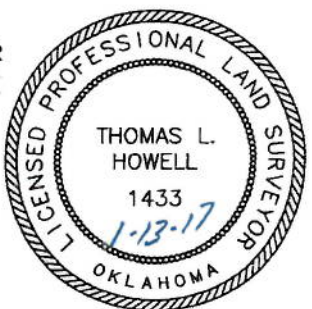
1st PERF, LAST PERF, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Revision A Date of Drawing: Jan. 11, 2017
 Invoice #269274A Date Staked: Jan. 6, 2017 TR

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
 Oklahoma Lic. No. 1433



DATUM: NAD-27
 LAT: 35°42'43.3"N
 LONG: 98°08'12.5"W
 LAT: 35.712019229°N
 LONG: 98.136812304°W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1959383
 Y: 259210