

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

API NUMBER: 017 24963

Approval Date: 12/19/2016
Expiration Date: 06/19/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 13N Rge: 5W County: CANADIAN
SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 220 700

Lease Name: BARLOW 1305 Well No: 1-18H Well will be 220 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

PHILLIP A. BARLOW & PAULA J. BARLOW
2001 SLEEPY HOLLOW LN. 722
ROCKWALL TX 75032

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	7744	6
2			7
3			8
4			9
5			10

Spacing Orders: 626850

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604955

Special Orders:

Total Depth: 13089

Ground Elevation: 1218

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 890

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

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 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 18 Twp 13N Rge 5W County CANADIAN

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 7600

Radius of Turn: 477

Direction: 5

Total Length: 4740

Measured Total Depth: 13089

True Vertical Depth: 8324

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

Additional Surface Owner	Address	City, State, Zip
PHYLLIS A. O'HARA & STEVEN E. O'	1818 CEDAR RIDGE LANE	STILLWATER, OK 74074

Notes:

Category

Description

DEEP SURFACE CASING

12/12/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

12/12/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

MEMO

12/12/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201604955

12/13/2016 - G75 - (I.O.) 18-13N-5W
X626850 MSSP, OTHER
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
NO OP. NAMED
REC 12-12-2016 (P. PORTER)

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

017 24963 BARLOW 1305 1-18H

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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.

Category

SPACING - 626850

Description

12/13/2016 - G75 - (640)(HOR) 18-13N-5W
VAC OTHER
VAC 96519 MISS
EXT 620700 MSSP, OTHERS
COMPL. INT. NLT 330' FB **

** S/B COMP. INT. NLT 660' FB; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY WHO
SUBMITTED ORIGINAL SPACING AND A COPY REVIEWED BY OCC

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

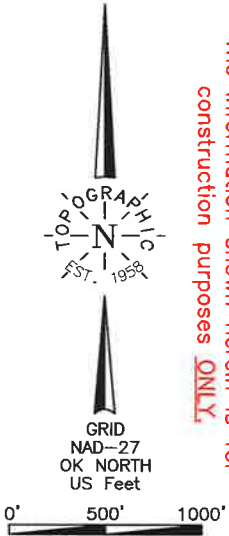
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

CANADIAN

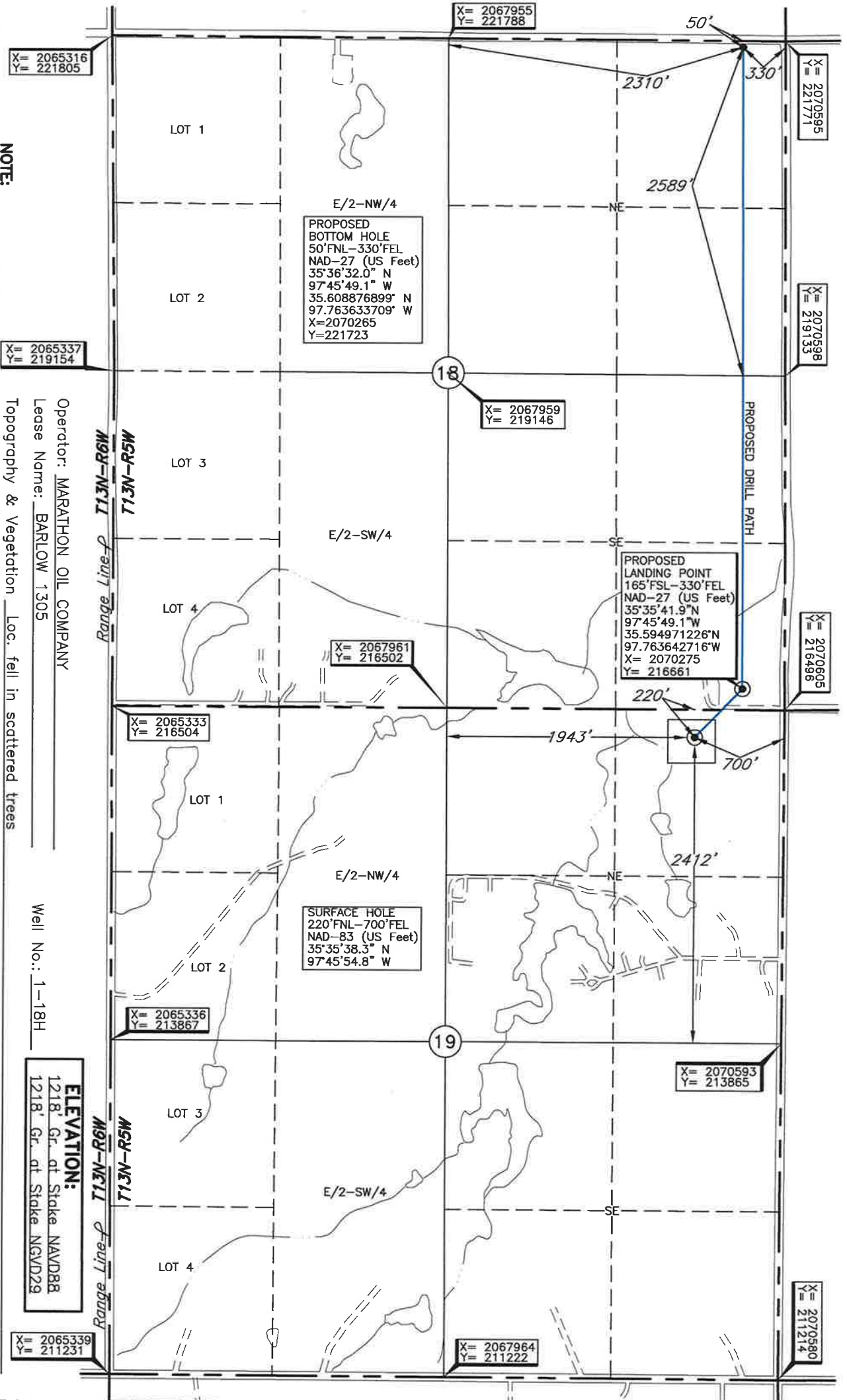
County, Oklahoma

API 017-24963

220'FNL-700'FEL Section 19 Township 13N Range 5W I.M.



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



Operator: MARATHON OIL COMPANY
Lease Name: BARLOW 1305
Topography & Vegetation: Loc. fell in scattered trees
Well No.: 1-18H
Good Drill Site? Yes
Reference Stakes or Alternate Location: Stakes Set None
Best Accessibility to Location: From North off county road
Distance & Direction: From Jct. St. Hwy. 3 and Memorial Road, go ±0.4 mi West, on Memorial Road, then ±1.0 mi. South to the NE Cor. of Sec. 19-T13N-R5W

BOTTOM HOLE, LANDING POINT, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: Dec. 13, 2016
Invoice # 268607 Date Staked: Nov. 29, 2016 AC/TR

DATUM: NAD-27
LAT: 35°35'38.1"N
LONG: 97°45'53.6"W
LAT: 35.593918519°N
LONG: 97.764892220°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2069904
Y: 216277

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

