

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

API NUMBER: 011 23798 A

Approval Date: 05/10/2017  
Expiration Date: 11/10/2017

Horizontal Hole Oil & Gas

Amend reason: AMENDING THE SURFACE HOLE LOCATION TO  
THE CORRECT SHL; UPDATE ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 14N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 450 375

Lease Name: TURTLE WOMAN BIA

Well No: 1-18H

Well will be 375 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

BUREAU OF INDIAN AFFAIRS, CONCHO AGENCY  
P. O. BOX 68  
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	12742	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 593373

Location Exception Orders: 672751

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17664

Ground Elevation: 1616

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 100

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: 8000 Average: 5000

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: MARLOW

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: MARLOW

## HORIZONTAL HOLE 1

Sec 18 Twp 14N Rge 11W County BLAINE

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 12280

Radius of Turn: 462

Direction: 3

Total Length: 4658

Measured Total Depth: 17664

True Vertical Depth: 12999

End Point Location from Lease,  
Unit, or Property Line: 150

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

5/4/2017 - 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

5/4/2017 - 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

#### INTERMEDIATE CASING

5/4/2017 - G71 - 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 - 672751

7/26/2018 - G60 - (F.O) 18-14N-11W  
X593376 MSSP  
SHL 450' FSL, 375' FEL 13-14N-11W  
FIRST PERF 560' FSL, 372' FWL  
LAST PERF 216' FNL, 351' FWL  
MARATHON OIL CO.  
1/29/18

#### MEMO

5/4/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### SPACING - 593373

5/4/2017 - G60 - (640) 18-14N-11W  
VAC 287073 CSTR  
EXT 579287 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.

011 23798 TURTLE WOMAN BIA 1-18H

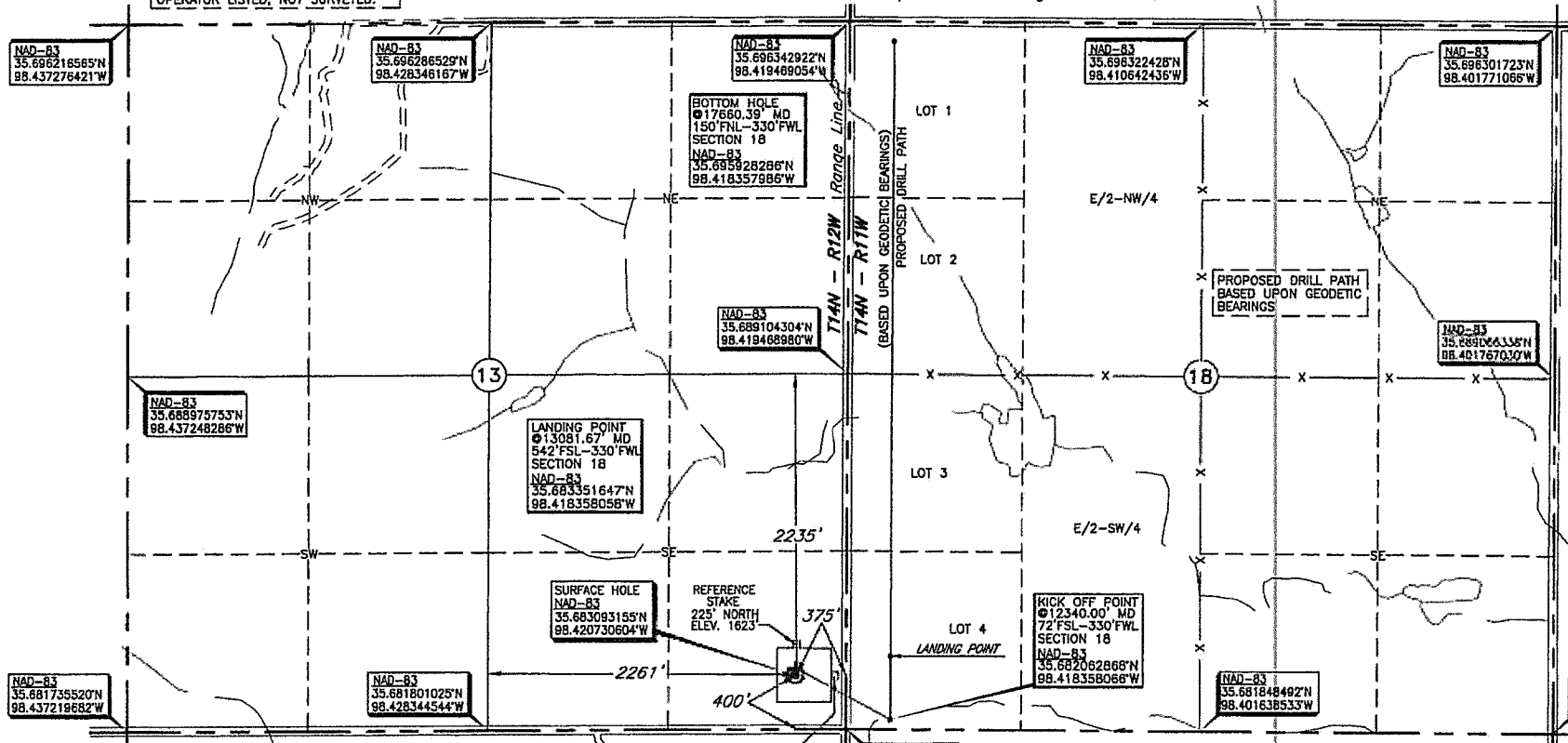
3501123798

**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

BLAINE

County, Oklahoma

450' FSL - 375' FEL Section 13 Township 14N Range 12W I.M.

BOTTOM HOLE, LANDING POINT, KICK  
OFF POINT AND DRILL PATH  
INFORMATION PROVIDED BY  
OPERATOR LISTED, NOT SURVEYED.**NOTE:**  
The information shown herein is for  
construction purposes ONLY.

GEODETIC

Scale:

0' 1000'

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

DATUM: NAD-83

LAT: 35.683093155°N

LONG: 98.420730604°W

BASIS OF BEARING:  
GEODETICBASIS OF ELEVATION:  
1578' (NAVD-88) AT  
THE SE CORNER OF  
SECTION 13 PER  
OPUS SOLUTION.**ELEVATION:**

1616' Gr. at Stake NAVD-88

Operator: MARATHON OIL COMPANY

Lease Name: TURTLE WOMAN BIA

Well No.: 1-18H

Topography &amp; Vegetation Location fell in terraced pasture and brush.

Good Drill Site? ☒ Yes Reference Stakes or Alternate Location  
Stakes Set 225' North - Elev. 1623' & 300' East - Elev. 1610'Best Accessibility to Location From county road east of well location.  
Distance & Direction  
from Hwy Jct or Town From Geary, Ok., go ±0.5 miles North, then ±5.7 miles West, then ±3 miles North to the  
Southeast Corner of Section 13, T14N - R12W.Date Drawn: August 19, 2016  
Invoice # 262007A Date Staked: July 22, 2016 JGW**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.

Oklahoma Lic. No. 1433

