

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 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER; UPDATE ORDERS

AMEND 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: 1-18MH

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  
659748  
660042

Location Exception Orders: 659619

Increased Density Orders:

Pending CD Numbers:

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

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: DUNCAN

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 & STEVEN O'HARA	1818 CEDAR RIDGE LANE	STILLWATER, OK 74074

## Notes:

### Category

### Description

DEEP SURFACE CASING

12/13/2016 - 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.

LOCATION EXCEPTION - 659619

4/7/2017 - G75 - (I.O.) 18-13N-5W  
X626850 MSSP, OTHER  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL  
MARATHON OIL CO.  
1-5-2017

MEMO

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

SPACING - 626850

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;

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

017 24963 BARLOW 1305 1-18MH

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
SPACING - 659748	4/7/2017 - G75 - NPT PARAGRAPH 6.2 OF 626850 CHANGING COMPL. INT. MSSP NLT 660' FB
SPACING - 660042	4/7/2017 - G75 - NPT PARAGRAPH 6.2 OF 626850 CHANGING COMPL. INT. MSSP NLT 660' FB