

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

API NUMBER: 151 24486 A

Approval Date: 10/20/2016  
Expiration Date: 04/20/2017

Horizontal Hole Oil & Gas

Amend reason: AMEND SURFACE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 26N Rge: 16W County: WOODS  
SPOT LOCATION:  SE  SW  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 230 2205

Lease Name: TERRI SUE 2616 Well No: 1H-11 D Well will be 230 feet from nearest unit or lease boundary.  
Operator Name: MIDSTATES PETROLEUM COMPANY LLC Telephone: 9189478550 OTC/OCC Number: 23079 0

MIDSTATES PETROLEUM COMPANY LLC  
321 S BOSTON AVE STE 1000  
TULSA, OK 74103-3322

JAY AND TERRI LEEPER  
20813 COUNTY ROAD 500  
ALVA OK 73717

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	5842	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 426475

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604054

Special Orders:

Total Depth: 11200

Ground Elevation: 1589

**Surface Casing: 1300**

Depth to base of Treatable Water-Bearing FM: 670

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: 25000 Average: 8000

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: FLOWERPOT

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 11 Twp 26N Rge 16W County WOODS

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5200

Radius of Turn: 668

Direction: 5

Total Length: 4950

Measured Total Depth: 11200

True Vertical Depth: 5842

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	10/19/2016 - 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	10/19/2016 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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.
PENDING CD - 201604054	10/19/2016 - G64 - (I.O.) 11-26N-16W X426475 MSSLM COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 600' FEL NO OP. NAMED REC. 10-11-2016 (MCKEOWN)
SPACING - 426475	10/19/2016 - G64 - (640) 11-26N-16W EXT OTHER EXT 121509 MSSLM, OTHER

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