

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

API NUMBER: 151 24484

Approval Date: 09/20/2016  
Expiration Date: 03/20/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 26N Rge: 15W County: WOODS  
SPOT LOCATION:  NE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 130 650

Lease Name: MERIDETH 2615 Well No: 1H-08 A Well will be 130 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

MARILYN EWING  
1300 WESTCLIFF PKWY #8  
AMARILLO TX 79124

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	5879	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 76536

Location Exception Orders: 650618

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11000

Ground Elevation: 1754

**Surface Casing: 1300**

Depth to base of Treatable Water-Bearing FM: 740

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: BLAINE

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 08 Twp 26N Rge 15W County WOODS

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5200

Radius of Turn: 541

Direction: 1

Total Length: 4950

Measured Total Depth: 11000

True Vertical Depth: 5879

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

Additional Surface Owner	Address	City, State, Zip
MIKE AND MARIDETH GEORGE	1227 4TH ST	ALVA, OK 73717

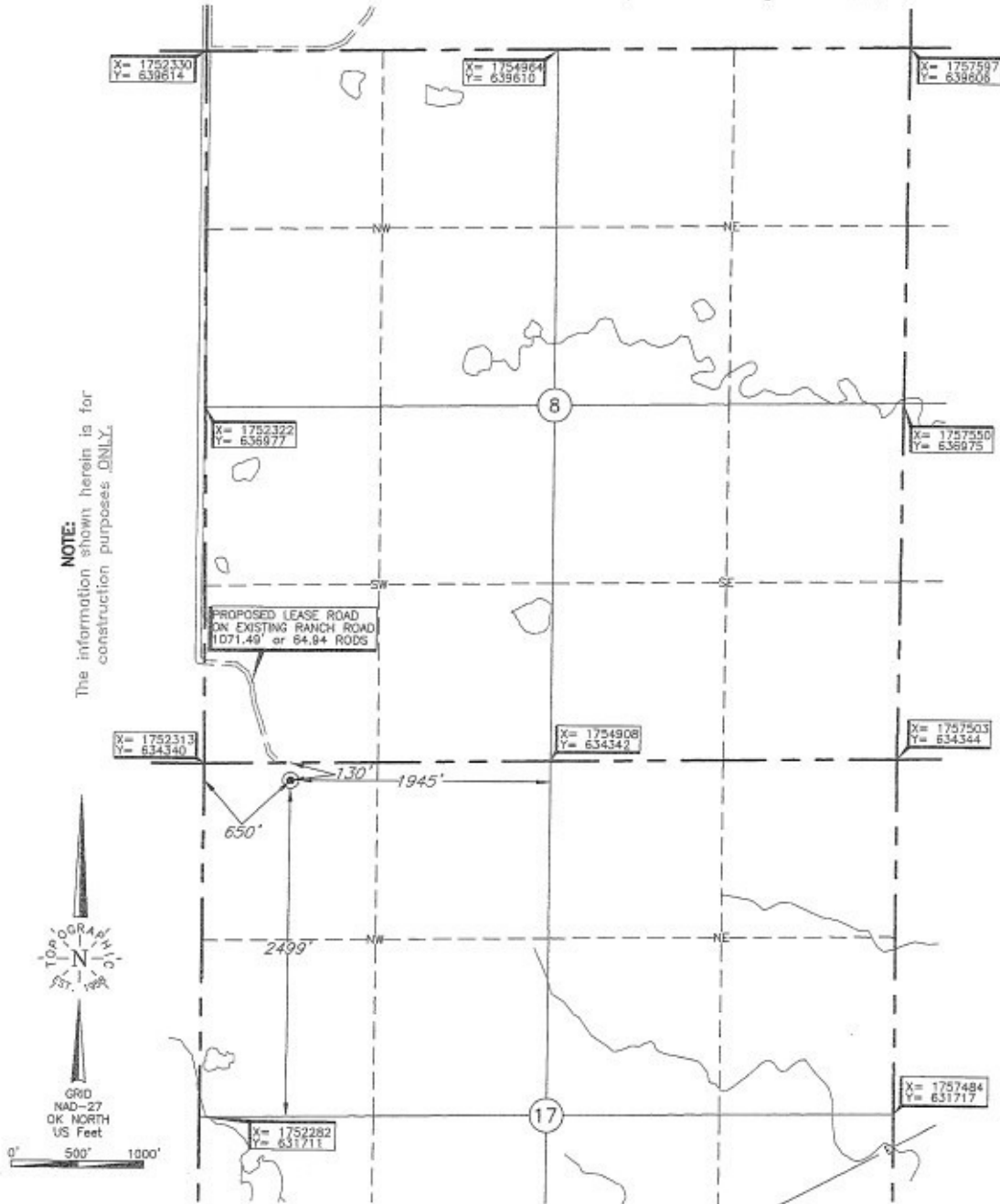
Notes:

Category	Description
DEEP SURFACE CASING	9/20/2016 - 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	9/20/2016 - 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.
LOCATION EXCEPTION - 650618	9/20/2016 - G64 - (I.O.) 8-26N-15W X76536 MSSLM COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 600' FWL MIDSTATES PETROLEUM COMPANY LLC 3-9-2016
SPACING - 76536	9/20/2016 - G64 - (640) 8-26N-15W EXT 58325/73247 MSSLM

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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

WOODS County, Oklahoma  
 130° FNL-650' FWL Section 17 Township 26N Range 15W I.M.



Operator: MIDSTATES PETROLEUM COMPANY, LLC

Lease Name: MERIDETH

Well No.: 1H-8A

**ELEVATION:**

1754' Gr. at Stake

Topography & Vegetation Loc. fell on top of hill in rocky grass pasture

Good Drill Site? Yes

Reference Stakes or Alternate Location  
 Stakes Set None

Best Accessibility to Location From NW off existing ranch road

Distance & Direction  
 from Hwy Jct or Town From Avard, OK, go North ±5.0 miles, then go West ±3.0 miles,  
then go South ±2.0 miles to the NW Cor. of Sec. 17-T26N-R13W.

DATUM: NAD-27  
 LAT: 36°44'21.5"N  
 LONG: 98°50'35.0"W  
 LAT: 36.739292928°N  
 LONG: 98.843054182°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1752962  
 Y: 634210

Date of Drawing: Aug. 24, 2016  
 Invoice # 263850 Date Staked: Aug. 18, 2016 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

