

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

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

Horizontal Hole Oil & Gas

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: 245 2180

Lease Name: TERRI SUE 2616 Well No: 1H-11 D Well will be 245 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 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.
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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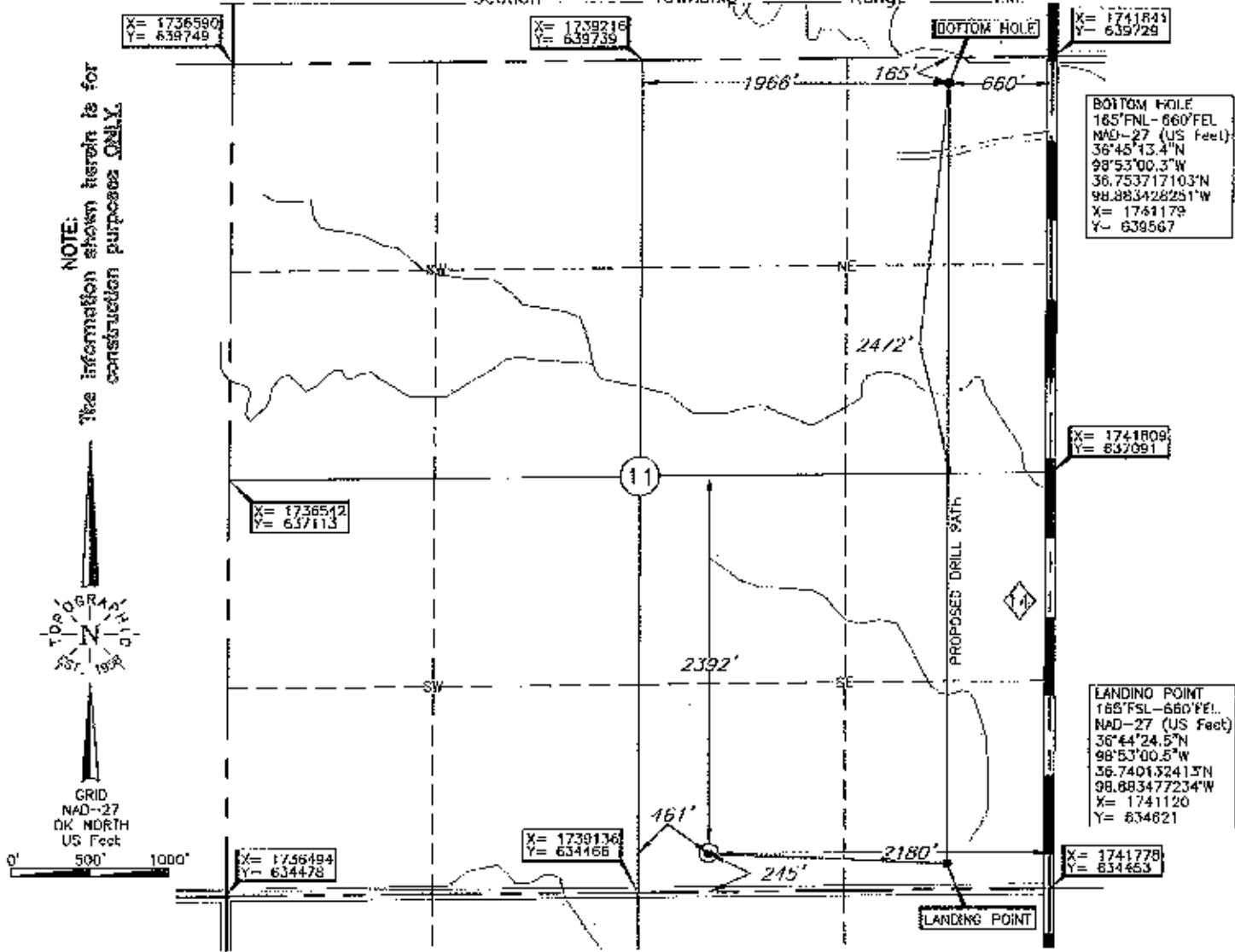
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3218
 Certificate of Authorization No. 1293 LS

WOODS

County, Oklahoma

245' FSL-2180' FEL Section 11 Township 26N Range 16W I.M.



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

Operator: MIDSTATES PETROLEUM COMPANY, LLC

Lease Name: TERRI SUE 261B

Topography & Vegetation Level grass pasture

Well No.: 111-11D

ELEVATION:
1589' Gr. at Stake

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From the Junction of US Hwy. 64 E-W and US Hwy. 281 South in Alva, OK go West
±12.0 miles, then South ±4.0 miles on St. Hwy. 34, to the SE Cor. of Sec. 11-T26N-R16W.

Date of Drawing: Oct. 10, 2016

Invoice # 266019A Date Staked: Sep. 30, 2016 TR

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

DATUM: NAD-27
 LAT: 36°44'25.2"N
 LONG: 98°53'19.2"W
 LAT: 36.740333776°N
 LONG: 98.8888663571°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1739601
 Y: 634708

CERTIFICATE:

I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Lee K. Goss
 Oklahoma Lic. No. 1778



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 813-4847 * OUT OF STATE (800) 854-3210

Certificate of Authorization No. 1293 I.S.

WOODS

County, Oklahoma

245° FSL-2180° FEL Section 11 Township 26N Range 16W 1.M.

X= 173880
Y= 639745

X= 1741844
Y= 639729

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

BOTTOM HOLE
245° FSL-660° FEL
AD-27 (US Feet)
6° 45' 13.4" N
98° 53' 00.3" W
66,753,717.103" N
98,883,428.251" W
X= 1741179
Y= 639567

X= 1741800
Y= 637091

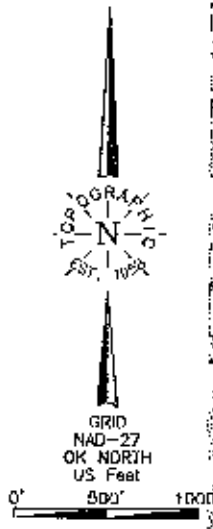
LANDING POINT
245° FSL-660° FEL
AD-27 (US Feet)
6° 44' 24.8" N
98° 53' 00.5" W
66,740,132.413" N
98,883,477,734" W
X= 1741120
Y= 634621

X= 1738500
Y= 639133

X= 1736484
Y= 634476

X= 1748134
Y= 634468

X= 1741778
Y= 64453



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

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