

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

API NUMBER: 151 24491

Approval Date: 11/28/2016
Expiration Date: 05/28/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 26N Rge: 16W County: WOODS
SPOT LOCATION: NW NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 245 2430

Lease Name: LORETTA 2616 Well No: 1H-03 C 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

ROY DECKER & LORRETTA DECKER
505 RIDGEWAY ROAD
ALVA OK 73717

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5730	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604683
201604684

Special Orders:

Total Depth: 11200 Ground Elevation: 1653 **Surface Casing: 1300** Depth to base of Treatable Water-Bearing FM: 620

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

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714

Is depth to top of ground water greater than 10ft below base of pit? Y

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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

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 03 Twp 26N Rge 16W County WOODS

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5200

Radius of Turn: 668

Direction: 179

Total Length: 4950

Measured Total Depth: 11200

True Vertical Depth: 5730

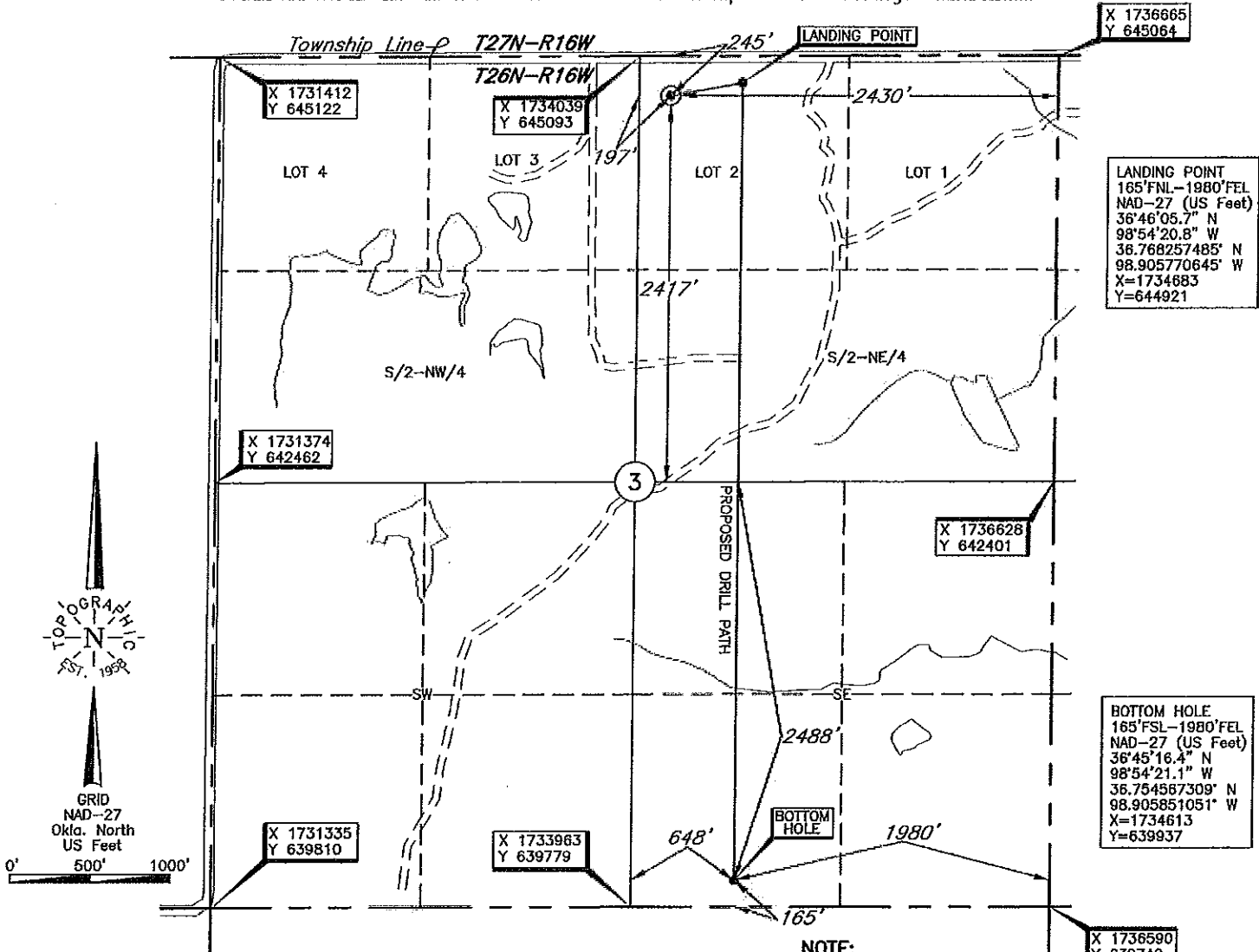
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	11/22/2016 - 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	11/22/2016 - 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 - 201604683	11/28/2016 - G64 - (640)(HOR) 3-26N-16W EST MSSP, OTHERS POE TO BHL NLT 660' FB REC. 11-15-2016 (MCKEOWN)
PENDING CD - 201604684	11/28/2016 - G64 - (I.O.) 3-26N-16W X201604683 MSSP COMPL. INT. NCT 165' TO NL, NCT 165' TO SL, NCT 600' TO EL NO OP. NAMED REC. 11-15-2016 (MCKEOWN)

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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.

WOODS County, Oklahoma
 245'FNL - 2430'FEL Section 3 Township 26N Range 16W I.M.



X 1736665
Y 645064

LANDING POINT
 165'FNL-1980'FEL
 NAD-27 (US Feet)
 36°46'05.7" N
 98°54'20.8" W
 36.768257485' N
 98.905770645' W
 X=1734683
 Y=644921

BOTTOM HOLE
 165'FSL-1980'FEL
 NAD-27 (US Feet)
 36°45'16.4" N
 98°54'21.1" W
 36.754567309' N
 98.905851051' W
 X=1734613
 Y=639937

X 1736590
Y 639749

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

Operator: MIDSTATES PETROLEUM COMPANY, LLC
 Lease Name: LORETTA 2616
 Topography & Vegetation Loc. fell on existing pad

ELEVATION:
1653' Gr. at level pad

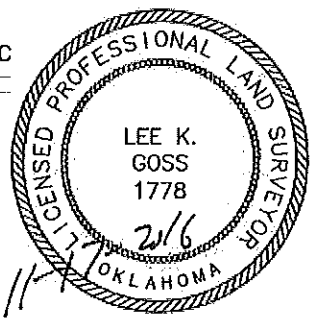
Good Drill Site? Yes Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From North off county road
 Distance & Direction
 from Hwy Jct or Town From Jct. US Hwy. 64 E-W and St. Hwy. 14 South, go ±2.0 mi. South on St. Hwy. 14, then ±1.0 mi. West to the NE Cor. of Sec. 3-T26N-R16W

Revision A Date of Drawing: Nov. 17, 2016
 Invoice # 267869 Date Staked: Nov. 10, 2016

DATUM: NAD-27
 LAT: 36°46'04.9"N
 LONG: 98°54'26.3"W
 LAT: 36.768040223° N
 LONG: 98.907308040° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1734232
 Y: 644846

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.
 Oklahoma Lic. No. 1778



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