

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

API NUMBER: 151 24481

Approval Date: 07/12/2016  
Expiration Date: 01/12/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 26N Rge: 14W County: WOODS  
SPOT LOCATION:  SE  SW  SE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 300 1800

Lease Name: RITTER 2614 Well No: 1H-06 C Well will be 300 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 600  
TULSA, OK 74103-3322

NORVILLE RITTER  
P.O. BOX 146  
ALVA OK 73717

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5690	6
2			7
3			8
4			9
5			10

Spacing Orders: 597017

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602379

Special Orders:

Total Depth: 11350

Ground Elevation: 1496

**Surface Casing: 970**

Depth to base of Treatable Water-Bearing FM: 720

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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 06 Twp 26N Rge 14W County WOODS

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5200

Radius of Turn: 764

Direction: 10

Total Length: 4950

Measured Total Depth: 11350

True Vertical Depth: 5690

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

Notes:

Category

Description

MEMO

6/22/2016 - 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/](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 - 201602379

6/22/2016 - G75 - (I.O.) 6-26N-14W  
X597017 MSSP  
COMPL. INT. NCT 165 TO SL, NCT 165 TO NL, NCT 1320 TO EL  
NO OP. NAMED  
REC 7-12-2016 (MCKEOWN)

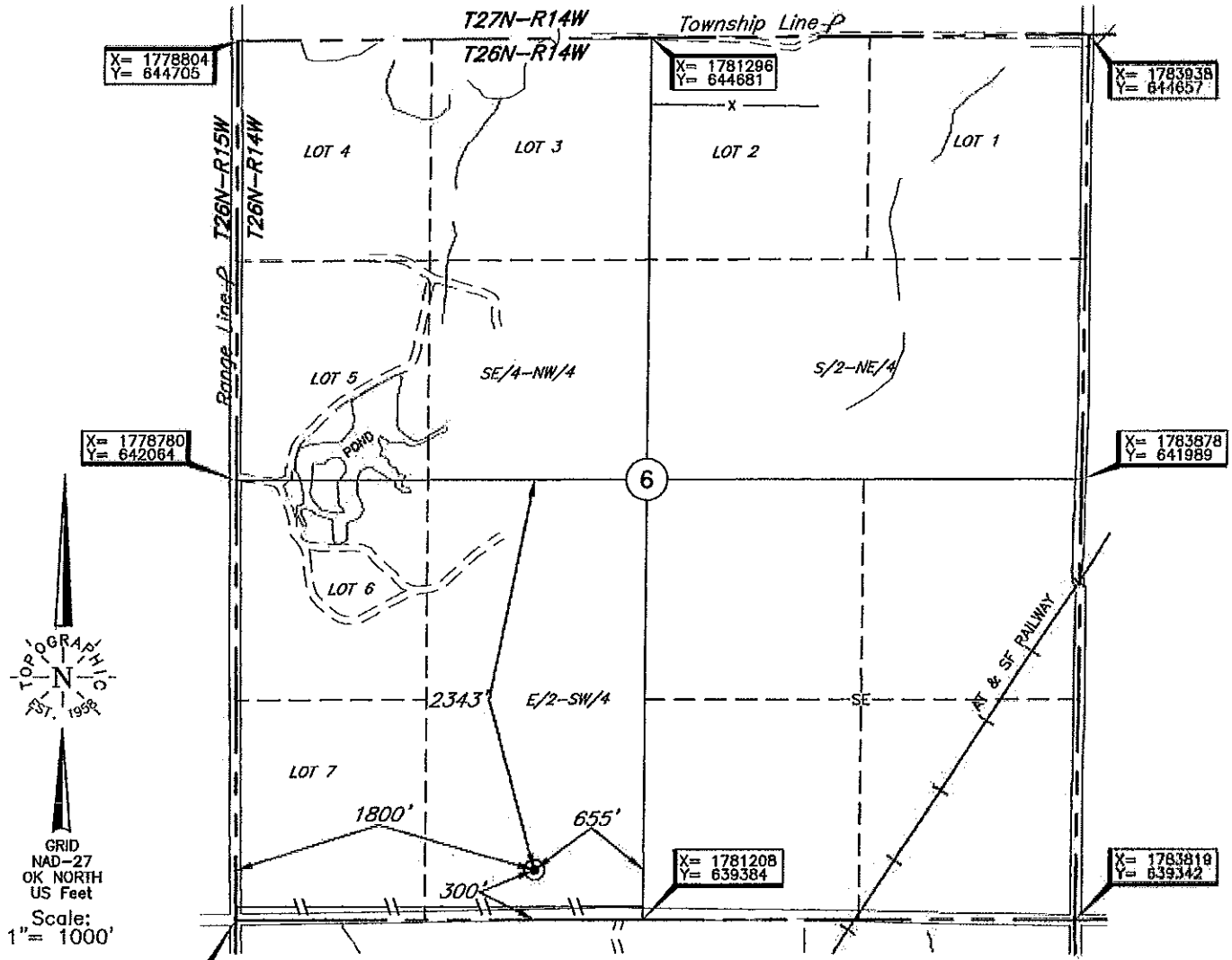
SPACING - 597017

6/22/2016 - G75 - (640) 6-26N-14W  
VAC 78764 MSSLM  
EST OTHER  
EXT 593208 MSSP

**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  
 300'FSL - 1800'FWL Section 6 Township 26N Range 14W I.M. API 151-24481



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

Operator: MIDSTATES PETROLEUM COMPANY, LLC

Lease Name: RITTER 2614

Well No.: 1H-06 C

**ELEVATION:**  
1496' Gr. at Stake

Topography & Vegetation Loc. fell in terraced grass pasture, ±220' North of E-W pipeline

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 Jct. US Hwy. 64 and US Hwy. 281 South at Alva, OK, go 5.0 mi. West on US Hwy. 64, then 3.0 mi. South to the SW Cor. of Sec. 6-T26N-R4W

Revision  A Date of Drawing: Jun. 14, 2016

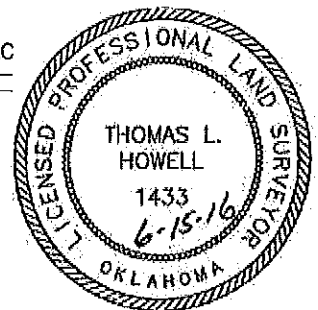
Invoice # 261525 Date Staked: Jun. 09, 2016 AC

DATUM: NAD-27  
 LAT: 36°45'17.9"N  
 LONG: 98°44'56.5"W  
 LAT: 36.754978342° N  
 LONG: 98.749024492° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1780559  
 Y: 639695

**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



This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy