

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

API NUMBER: 045 23466

Approval Date: 04/23/2014  
Expiration Date: 10/23/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 17N Rge: 22W County: ELLIS  
SPOT LOCATION:  SE  NW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 707 813

Lease Name: MONTY 1722 Well No: 4H-15 T C Well will be 707 feet from nearest unit or lease boundary.  
Operator Name: MIDSTATES PETROLEUM COMPANY LLC Telephone: 7135959400 OTC/OCC Number: 23079 0

MIDSTATES PETROLEUM COMPANY LLC  
4400 POST OAK PKWY STE 1900  
HOUSTON, TX 77027-3444

MILLER & SON, LLC  
ROUTE 1, BOX 152  
ARNETT OK 73852

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

Name	Depth	Name	Depth
1 TONKAWA	8010	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 566805

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402057  
201401666

Special Orders:

Total Depth: 12881

Ground Elevation: 2004

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 250

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 30000 Average: 5000

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 BED AQUIFER

Pit Location Formation: CLOUD CHIEF

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-26969

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 15 Twp 17N Rge 22W County ELLIS

Spot Location of End Point: C S2 SW SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 7570

Radius of Turn: 440

Direction: 190

Total Length: 4620

Measured Total Depth: 12881

True Vertical Depth: 8010

End Point Location from Lease,  
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	4/16/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
PENDING CD - 201401666	4/23/2014 - G75 - 15-17N-22W MOD/AMD/CLARIFY 136201 TO SPACE DGLTK HEARING 5-20-2014 (OK'D PER MCCOY)
PENDING CD - 201402057	4/16/2014 - G30 - (E.O.) 15-17N-22W X566805 TNKW COMP. INT. NCT 500 FNL, NCT 300 FSL, NCT 1980 FEL NO OP. NAMED REC 4/15/14 (P.PORTER)
SPACING - 566805	4/16/2014 - G30 - (640) 15-17N-22W DEL OTHER EXT OTHER EXT 62838 TNKW

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