

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

API NUMBER: 045 23474

Approval Date: 05/15/2014

Expiration Date: 11/15/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 17N Rge: 22W County: ELLIS  
SPOT LOCATION:     FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 683 811

Lease Name: MONTY 1722 Well No: 5H-15 T D Well will be 683 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: 624961

Increased Density Orders: 624882

Pending CD Numbers: 201401666

Special Orders:

Total Depth: 12881 Ground Elevation: 2018 Surface Casing: 310 Depth to base of Treatable Water-Bearing FM: 260

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 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27016  
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 SE SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 7570

Radius of Turn: 440

Direction: 175

Total Length: 4620

Measured Total Depth: 12881

True Vertical Depth: 8010

End Point Location from Lease,

Unit, or Property Line: 330

## Notes:

### Category

### Description

INCREASED DENSITY - 624882

5/15/2014 - G75 - 15-17N-22W  
X566805 TNKW  
1 WELL  
MIDSTATES PETRO. CO. \*\*  
5-5-2014

\*\* S/B MIDSTATES PETRO. CO., LLC; PER OP. # 23079 IN THE OCC DATABASE

LOCATION EXCEPTION - 624961

5/15/2014 - G75 - (I.O.) 15-17N-22W  
X566805 TNKW  
COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 660 FEL  
MIDSTATES PETRO. CO. \*\*  
5-6-2014

\*\* S/B MIDSTATES PETRO. CO., LLC PER OP. # 23079 IN THE OCC DATABASE

PENDING CD - 201401666

5/15/2014 - G75 - 15-17N-22W  
MOD/AMD/CLARIFY 136201 TO SPACE DGLTK  
HEARING 5-20-2014 (OK'D PER MCCOY)

SPACING - 566805

5/15/2014 - G75 - (640) 15-17N-22W  
VAC OTHER  
EXT OTHER  
EXT 62838 TNKW

This permit does not address the right of entry or settlement of surface damages.

045 23474 MONTY 1722 5H-15 T D

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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.