

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

API NUMBER: 045 23396

Approval Date: 10/03/2013  
Expiration Date: 04/03/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 17N Rge: 22W County: ELLIS  
SPOT LOCATION:  SE  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 200 800

Lease Name: WIL E. COYOTE Well No: 2H-10 Well will be 200 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 & SONS, LLC  
ROUTE 1, BOX 152  
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	8650	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 566805

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201305603  
201305604

Special Orders:

Total Depth: 13080

Ground Elevation: 2003

**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: ON SITE

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: 1B**

**Liner required for Category: 1B**

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 10 Twp 17N Rge 22W County ELLIS

Spot Location of End Point: C NE NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 8210

Radius of Turn: 440

Direction: 6

Total Length: 4179

Measured Total Depth: 13080

True Vertical Depth: 8650

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

Notes:

Category	Description
DEEP SURFACE CASING	10/3/2013 - 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 - 201305603	10/3/2013 - G30 - 10-17N-22W X566805 CGGV 1 WELL NO OP. NAMED REC 9/17/13 (NORRIS)
PENDING CD - 201305604	10/3/2013 - G30 - 10-17N-22W X566805 CGGV COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 330 FEL NO OP. NAMED REC 9/24/13 (LEAVITT)
SPACING - 566805	10/3/2013 - G30 - (640) 10-17N-22W DEL 201738 CGGV EXT 141677 CGGV EXT OTHER

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.