

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

API NUMBER: 045 23409

Approval Date: 11/06/2013

Expiration Date: 05/06/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 19N Rge: 22W County: ELLIS  
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 200 2230

Lease Name: ADDIE Well No: 17-3H 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

OLIVER & ARLEEN HIXON  
ROUTE 1, BOX 99  
ARNETT OK 73832

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

	Name	Depth	Name	Depth
1	COTTAGE GROVE	8130	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 127554

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201306380  
201306379

Special Orders:

Total Depth: 12902 Ground Elevation: 2377 Surface Casing: 720 Depth to base of Treatable Water-Bearing FM: 670

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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 BED AQUIFER

Pit Location Formation: OGALLALA

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 17 Twp 19N Rge 22W County ELLIS

Spot Location of End Point: E2 NW NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2230

Depth of Deviation: 7690

Radius of Turn: 440

Direction: 360

Total Length: 4521

Measured Total Depth: 12902

True Vertical Depth: 8130

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

## Notes:

Category	Description
PENDING CD - 201306379	11/6/2013 - G30 - 17-19N-22W X127554 CCGV 1 WELL NO OP. NAMED REC 10/22/13 (P.PORTER)
PENDING CD - 201306380	11/6/2013 - G30 - 17-19N-22W X127554 CCGV COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 330 FEL NO OP. NAMED REC 10/22/13 (P.PORTER)
SPACING - 127554	11/6/2013 - G30 - (640) 17-19N-22W EXT 63011/120926 CCGV EXT OTHERS EST OTHERS

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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.

045 23409 ADDIE 17-3H