

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

API NUMBER: 117 23512

Approval Date: 01/30/2013
Expiration Date: 07/30/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 22N Rge: 3E

County: PAWNEE

SPOT LOCATION: SE SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 220 283

Lease Name: LENTZ

Well No: 13-1H

Well will be 220 feet from nearest unit or lease boundary.

Operator Name: HIGHMOUNT OPERATING LLC

Telephone: 4057495263

OTC/OCC Number: 22912 0

HIGHMOUNT OPERATING LLC
14000 QUAIL SPRINGS PKWY FL 600
OKLAHOMA CITY, OK 73134-2616

SECENE LENTZ
2604 9TH STREET
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3775	6
2			7
3			8
4			9
5			10

Spacing Orders: 594207

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201300118

Special Orders:

Total Depth: 9200

Ground Elevation: 986

Surface Casing: 400

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

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: OSCAR

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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 13 Twp 22N Rge 3E County PAWNEE

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 2283

Depth of Deviation: 3350

Radius of Turn: 900

Direction: 180

Total Length: 4950

Measured Total Depth: 9200

True Vertical Depth: 3980

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category	Description
PENDING CD - 201300118	1/17/2013 - G30 - 13-22N-3E X594207 MSSP SHL NCT 220 FSL, NCT 283 FEL 1ST PERF NCT 330 FNL, NCT 330 FEL LAST PERF NCT 150 FSL, NCT 330 FEL NO OP. NAMED REC 1/29/13 (NORRIS)
SPACING - 594207	1/17/2013 - G30 - (80/640) 13-22N-3E (640 HOR) EST MSSP, OTHER (80) EXT OTHERS (80) EST OTHERS