

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

API NUMBER: 117 23521

Approval Date: 03/11/2013

Expiration Date: 09/11/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 21N Rge: 4E

County: PAWNEE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2330 1940

Lease Name: BRUCE

Well No: 32-2H

Well will be 310 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

JAMES C. ALLENBAUGH, TRUSTEE  
P.O. BOX 14  
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	3751	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 572068

Location Exception Orders: 608676

Increased Density Orders: 608641

Pending CD Numbers:

Special Orders:

Total Depth: 8980

Ground Elevation: 913

**Surface Casing: 350**

Depth to base of Treatable Water-Bearing FM: 220

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: 5000 Average: 3000

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

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 32 Twp 22N Rge 4E County PAWNEE

Spot Location of End Point: NW NE NE NE

Feet From: SOUTH 1/4 Section Line: 2502

Feet From: WEST 1/4 Section Line: 1983

Depth of Deviation: 2980

Radius of Turn: 1440

Direction: 360

Total Length: 4560

Measured Total Depth: 8980

True Vertical Depth: 3851

End Point Location from Lease,

Unit, or Property Line: 138

## Notes:

### Category

### Description

INCREASED DENSITY - 608641

3/11/2013 - G30 - 32-22N-4E  
X572068 MSSP  
1 WELL  
HIGHMOUNT OPERATING LLC  
3/6/13

LOCATION EXCEPTION - 608676

3/11/2013 - G30 - (I.O.) 32-22N-4E  
SHL NCT 250 FNL, NCT 680 FEL 5-21N-4E  
1ST PERF NCT 150 FSL, NCT 560 FEL 32-22N-4E  
LAST PERF NCT 150 FNL, NCT 560 FEL 32-22N-4E  
HIGHMOUNT OPERATING LLC  
3/7/13

SPACING - 572068

3/11/2013 - G30 - (640) 32-22N-04E  
EXT 559657 MSSP

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117 23521 BRUCE 32-2H