

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

API NUMBER: 103 24625

Approval Date: 01/15/2014  
Expiration Date: 07/15/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 21N Rge: 2E

County: NOBLE

SPOT LOCATION:  SE  SE  SE  SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 150 2312

Lease Name: WILLIAMS

Well No: 28-1H

Well will be 150 feet from nearest unit or lease boundary.

Operator Name: HIGHMOUNT OPERATING LLC

Telephone: 4057495263; 4057495

OTC/OCC Number: 22912 0

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

MARY ELLEN COLDIRON  
1008 DELAWARE  
PERRY OK 73077

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

Name	Depth	Name	Depth
1 WOODFORD	4517	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201308436  
201308437

Special Orders:

Total Depth: 9468

Ground Elevation: 957

**Surface Casing: 340**

Depth to base of Treatable Water-Bearing FM: 240

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

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 28 Twp 21N Rge 2E County NOBLE

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 3751

Radius of Turn: 1270

Direction: 180

Total Length: 4447

Measured Total Depth: 9468

True Vertical Depth: 4566

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

Notes:

Category	Description
PENDING CD - 201308436	1/15/2014 - G30 - (40/640) 28-21N-2E (40) EST OTHERS (40) EXT OTHERS (640 HOR) EXT 613919 WDFD, OTHER (640 HOR) EST OTHERS REC 1/13/14 (STUCK)
PENDING CD - 201308437	1/15/2014 - G30 - 28-21N-2E X201308436 WDFD, OTHERS COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 330 FEL NO OP. NAMED REC 1/13/14 (STUCK)