

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

API NUMBER: 103 24637

Approval Date: 02/07/2014
Expiration Date: 08/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 21N Rge: 2E

County: NOBLE

SPOT LOCATION: NW NW NE NW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2440 1470

Lease Name: WILLIAMS

Well No: 1H-27

Well will be 200 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

DONALD ROGER FRANK & FRANCES SUSAN FRANK
1016 BLUERIDGE
STILLWATER OK 74074

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: 613526

Location Exception Orders: 614525

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8932

Ground Elevation: 972

Surface Casing: 390

Depth to base of Treatable Water-Bearing FM: 270

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: WELLINGTON

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 27 Twp 21N Rge 2E County NOBLE

Spot Location of End Point: C S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 3749

Radius of Turn: 1280

Direction: 180

Total Length: 3903

Measured Total Depth: 8932

True Vertical Depth: 4561

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

Notes:

Category	Description
LOCATION EXCEPTION - 614525	2/7/2014 - G30 - (I.O.) 27-21N-2E X613526 WDFD, OTHERS SHL 200 FNL, 1470 FWL COMP. INT. NCT 150 FNL, NCT 150 FSL, NCT 330 FWL HIGHMOUNT OPERATING LLC 8/5/13
SPACING - 613526	2/7/2014 - G30 - (40/640) 27-21N-2E (640 HOR) EST WDFD, OTHER (40) EST OTHERS (40) EXT OTHERS POE TO BHL NCT 330' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)