API NUMBER: 117 23522

Oil & Gas

Horizontal Hole

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

03/13/2013 Approval Date: Expiration Date: 09/13/2013

Surface Water used to Drill: Yes

PERMIT TO DRILL

WELL LOCATION:         Sec:         25         Twp:         22N         Rge:         3E           SPOT LOCATION:         SE         SE         SE         SW	County: PAW	/NEE		
SPOT LOCATION. SE SE SE SE	SECTION LINES:	250 2500		
Lease Name: WOLFF	Well No:	1H-25	Well will be 250	feet from nearest unit or lease boundary
Operator HIGHMOUNT OPERATING LLC Name:		Telephone: 405749526	3 OT(	C/OCC Number: 22912 0
HIGHMOUNT OPERATING LLC				
14000 QUAIL SPRINGS PKWY FL 600		CH	HARLES BENES	
		40	151 E. 4600 RD.	
OKLAHOMA CITY, OK	73134-2616	Mo	ORRISON	OK 73061
Formation(s) (Permit Valid for Listed Form	nations Only):			
Name	Depth	N	lame	Depth
1 MISSISSIPPIAN	3855	6		
2		7		
3		8		
4 5		9 10		
		10		
Spacing Orders: 599956 Location Exception Orders:		Increas	Increased Density Orders:	
Pending CD Numbers: 201301098		Special	Special Orders:	
Total Depth: 8600 Ground Elevation: 904	Surface	Casing: 350	Depth to ba	se of Treatable Water-Bearing FM: 180

Fresh Water Supply Well Drilled: No

Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION

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?

Under Federal Jurisdiction: No

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

## **HORIZONTAL HOLE 1**

Sec 25 Twp 22N Rge 3E County PAWNEE

Spot Location of End Point: NE NE NE NW
Feet From: SOUTH 1/4 Section Line: 2490
Feet From: WEST 1/4 Section Line: 2500

Depth of Deviation: 3100 Radius of Turn: 1300

Direction: 360
Total Length: 4085

Measured Total Depth: 8600

True Vertical Depth: 3985

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

Notes:

Category Description

PENDING CD - 201301098 3/8/2013 - G30 - 25-22N-3E

X599956 MSSP, OTHERS SHL 250 FSL, 2500 FWL

1ST PERF NCT 660 FSL, NCT 1980 FWL LAST PERF NCT 150 FNL, NCT 1980 FWL

NO OP. NAMED

REC 3/12/13 (M.PORTER)

SPACING - 599956 3/8/2013 - G30 - (40/640) 25-22N-3E

(40) EST OTHERS

(640 HOR) EST MSSP, OTHER POE TO BHL: NCT 660' FB

(SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)