API NUMBER: 117 23466 A

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)

Approval Date: 04/25/2013
Expiration Date: 10/25/2013

22912 0

Well will be 330 feet from nearest unit or lease boundary.

OTC/OCC Number:

PERMIT TO DRILL

WELL LOCATION:	Sec: 1	16 T	wp: 22N	Rge:	4E	County	: PAW	NEE			
SPOT LOCATION:	С	N2	NW	NW		FEET FROM QUARTER:	FROM	SOUTH	FROM	WEST	
						SECTION LINES:		2310		660	
Lease Name:	STATE					W	ell No:	1H-16			
Operator	ніднис	OUNT (	OPERATIN	G LLC				Teleph	one:	4057495263; 405	7495

HIGHMOUNT OPERATING LLC

14000 QUAIL SPRINGS PKWY FL 600

OKLAHOMA CITY. OK 73134-2616

COMMISSIONERS OF THE LAND OFFICE 120 N. ROBINSON, SUITE 1000W OKLAHOMA CITY OK 73102

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

Name Depth	Name	Depth
1 MISSISSIPPIAN 3786	6	
2	7	
3	8	
4	9	
5	10	
Spacing Orders: 595336 Location	n Exception Orders:	Increased Density Orders:

Pending CD Numbers: 201302314 Special Orders:

Total Depth: 8120 Ground Elevation: 1009 Surface Casing: 350 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 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

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

Chlorides Max: 5000 Average: 3000

## HORIZONTAL HOLE 1

Sec 16 Twp 22N Rge 4E County PAWNEE

Spot Location of End Point: C S2 SW SW Feet From: SOUTH 1/4 Section Line: 330 Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 3140
Radius of Turn: 598
Direction: 180
Total Length: 4041

Measured Total Depth: 8120

True Vertical Depth: 3786

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

Notes:

Category Description

PENDING CD - 201302314 4/25/2013 - G75 - (I.O.) 16-22N-4E

X595336 MSSP

COMPL. INT. NCT 330 FNL, NCT 150 FSL, NCT 660 FWL

NO OP. NAMED

REC 4-23-2013 (NORRIS)

SPACING - 595336 4/25/2013 - G75 - (640/40) 16-22N-4E

EST (40)(VER) OTHERS EST (640)(HOR) MSSP, OTHER POE TO BHL NCT 660' FB

(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)