

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

API NUMBER: 047 24699

Approval Date: 05/30/2013  
Expiration Date: 11/30/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 23N Rge: 5W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 165 660

Lease Name: ALLEN

Well No: 1-11H

Well will be 165 feet from nearest unit or lease boundary.

Operator Name: PLYMOUTH EXPLORATION LLC

Telephone: 9185991850; 9185991

OTC/OCC Number: 22491 0

PLYMOUTH EXPLORATION LLC  
110 W 7TH ST STE 2600  
TULSA, OK 74119-1031

KIM N. & VICKI WIGGINS ALLEN, H&W JTS  
1825 VALLEY ROAD  
LAHOMA OK 73754

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5334	6
2			7
3			8
4			9
5			10

Spacing Orders: 611498

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201302386

Special Orders:

Total Depth: 10450

Ground Elevation: 1098

**Surface Casing: 480**

Depth to base of Treatable Water-Bearing FM: 430

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 50000 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FAIRMONT

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 13-23006

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 11 Twp 23N Rge 5W County GARFIELD

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: 5334

Radius of Turn: 716

Direction: 180

Total Length: 4000

Measured Total Depth: 10450

True Vertical Depth: 6050

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

Notes:

Category	Description
PENDING CD - 201302386	5/30/2013 - G30 - 11-23N-5W X201302384 MISS SHL NCT 165 FNL, NCT 660 FWL 1ST PERF NCT 330 FNL, NCT 660 FWL LAST PERF NCT 330 FSL, NCT 660 FWL BHL NCT 330 FSL, NCT 660 FWL NO OP. NAMED REC 4/23/13 (JOHNSON)
SPACING - 611498	5/30/2013 - G30 - (640 HOR) 11-23N-5W EST MISS, OTHER VAC 55417 MSSLM POE TO BHL: NCT 660' FB
WATERSHED STRUCTURE	5/29/2013 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 237-7880 PRIOR TO DRILLING

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Office of the Conservation Division as to when Surface Casing will be run.