

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

API NUMBER: 053 23305

Approval Date: 08/05/2013  
Expiration Date: 02/05/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 25N Rge: 4W

County: GRANT

SPOT LOCATION:  SE  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 100 600

Lease Name: PEGGY

Well No: 2-1H

Well will be 100 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

RETHA CHAIN REV LVNG TRUST DTD 6/13/96  
101675 E. UNION ROAD  
RJ PARRISH & PEGGY C. PARRISH, TRSTEEES  
HUNTER OK 74640

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

Name	Depth	Name	Depth
1 WOODFORD	6070	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201303879

Special Orders:

Total Depth: 10500

Ground Elevation: 1073

**Surface Casing: 320**

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

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

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

PERMIT NO: 13-23965

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 01 Twp 24N Rge 5W County GARFIELD

Spot Location of End Point: C SE SE SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 5464

Radius of Turn: 636

Direction: 178

Total Length: 4000

Measured Total Depth: 10500

True Vertical Depth: 6100

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

Notes:

Category	Description
PENDING CD - 201303879	7/30/2013 - G30 - (640 HOR) 1-24N-5W EST WDFD POE TO BHL: NCT 330' FB REC 7/30/13 (MCKEOWN)
POINT OF ENTRY	8/5/2013 - G30 - POINT OF ENTRY WILL BE GREATER THAN 330' FROM SECTION BOUNDARY LINE PER OPERATOR