

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

API NUMBER: 047 24865

Approval Date: 05/21/2014
Expiration Date: 11/21/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 24N Rge: 4W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 165 2310

Lease Name: CAMPBELL

Well No: 2-14H

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

SARAH JO CAMPBELL
13520 EAST BUFFALO ROAD
HUNTER OK 74640-

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5560	6
2			7
3			8
4			9
5			10

Spacing Orders: 573358

Location Exception Orders:

Increased Density Orders: 201403149

Pending CD Numbers: 201403150

Special Orders:

Total Depth: 10250

Ground Elevation: 1096

Surface Casing: 360

Depth to base of Treatable Water-Bearing FM: 310

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: 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 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: 14-27030

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 14 Twp 24N Rge 4W County GARFIELD

Spot Location of End Point: C SW SW SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2310

Depth of Deviation: 5139

Radius of Turn: 636

Direction: 180

Total Length: 4000

Measured Total Depth: 10250

True Vertical Depth: 5775

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

Notes:

Category	Description
PENDING CD - 201403149	5/20/2014 - G72 - 14-24N-04W X 573358 MSSP; 1WELL; NO OPER NAMED; REC 5/20/2014 (MCKEOWN)
PENDING CD - 201403150	5/20/2014 - G72 - 14-24N-04W (I.O.) X 573358 MSSP; SHL NCT 165 FNL NCT 660 FEL; COMP INT. NCT 330 FNL NCT 330 FSL NCT 660 FEL; TERMINUS NCT 330 FSL NCT 660 FEL; NO OPER NAMED; REC 5/20/2014 (MCKEOWN)
SPACING - 573358	5/20/2014 - G72 - (640) 14-24N-04W EXT 111828 MSSP, OTHERS;