

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

API NUMBER: 047 24803 A

Approval Date: 02/27/2014
Expiration Date: 08/27/2014

Horizontal Hole Oil & Gas

Amend reason: MOVE SURFACE & BOTTOM-HOLE LOCATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 24N Rge: 4W

County: GARFIELD

SPOT LOCATION: SE SE SW SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 165 1565

Lease Name: CHAIN

Well No: 2-3H

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

ALICE F. METHENY REVOCABLE TRUST
76 PADUCAH LANE
LAKE WINNEBAGO MO 64034

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5550	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 111828

Location Exception Orders: 621300

Increased Density Orders: 621299

Pending CD Numbers:

Special Orders:

Total Depth: 10500

Ground Elevation: 1099

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 330

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 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-26496

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 03 Twp 24N Rge 4W County GARFIELD

Spot Location of End Point: E2 NE NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1565

Depth of Deviation: 5264

Radius of Turn: 636

Direction: 360

Total Length: 4200

Measured Total Depth: 10500

True Vertical Depth: 5900

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

Additional Surface Owner	Address	City, State, Zip
ANNA L DAVENPORT TRUST	30515 DAVENPORT ROAD	DREXEL, MO 64742
GLENN MYERS TRUST, RONALD MY	1102 EAST MAIN STREET	PERRY, MO 63462

Notes:

Category	Description
INCREASED DENSITY - 621299	2/27/2014 - G30 - 3-24N-4W X111828 MSSP 1 WELL PLYMOUTH EXPLORATION, LLC 2/5/14
LOCATION EXCEPTION - 621300	2/27/2014 - G30 - (I.O.) 3-24N-4W X111828 MSSP SHL NCT 165 FSL, NCT 660 FEL 1ST PERF NCT 330 FSL, NCT 660 FEL LAST PERF NCT 330 FNL, NCT 660 FEL BHL NCT 330 FNL, NCT 660 FEL PLYMOUTH EXPLORATION, L.L.C. 2/5/14
SPACING - 111828	2/27/2014 - G30 - (640) 3-24N-4W EXT 103738 MSSP, OTHERS