

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

API NUMBER: 047 24854

Approval Date: 05/09/2014
Expiration Date: 11/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 23N Rge: 5W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 165 2310

Lease Name: EDDIE

Well No: 2-4H

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

EDDIE ZALOUDEK & SONS, INC.
427 F. AVENUE
KREMLIN OK 73753

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

	Name	Depth	Name	Depth
1	MISSISSIPPI	5740	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 591424

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402780

Special Orders:

Total Depth: 10500

Ground Elevation: 1127

Surface Casing: 270

Depth to base of Treatable Water-Bearing FM: 220

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: 14-27156

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 04 Twp 23N Rge 5W 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: 5404

Radius of Turn: 636

Direction: 180

Total Length: 4000

Measured Total Depth: 10500

True Vertical Depth: 6040

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

Notes:

Category	Description
PENDING CD - 201402780	5/9/2014 - G72 - X 591424 MISS; SHL NCT 165 NCT 660 FEL; COMP INT. NCT 330 FNL NCT 330 FSL NCT 660 FEL; TERMINUS NCT 330 FNL NCT 660 FEL; PLYMOUTH EXPLORATION LLC; REC 5/6/2014 (MCKEOWN)
SPACING - 591424	5/9/2014 - G72 - (640)(HOR) 4-23N-5W VAC 155638/191096 MSSP; EST MISS, WDFD; POE TO BHL (MISS) NCT 660' FB; POE TO BHL (WDFD) NCT 330' FB;

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.