

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

API NUMBER: 047 24701

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 23N Rge: 4W

County: GARFIELD

SPOT LOCATION: NE NW SE SW

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 165 920

Lease Name: REINSCHMIEDT

Well No: 1-4H

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

DALE REINSCHMIEDT
RR 1, BOX 9-R
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPI	5184	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 598328

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201302539

Special Orders:

Total Depth: 10300

Ground Elevation: 1106

Surface Casing: 210

Depth to base of Treatable Water-Bearing FM: 160

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: 13-23007

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 04 Twp 23N Rge 4W County GARFIELD

Spot Location of End Point: E2 SW SE SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 920

Depth of Deviation: 5184

Radius of Turn: 716

Direction: 180

Total Length: 4000

Measured Total Depth: 10300

True Vertical Depth: 5900

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

Notes:

Category	Description
PENDING CD - 201302539	5/30/2013 - G30 - 4-23N-4W X598328 MISS SHL NCT 165 FNL, NCT 660 FEL 1ST PERF NCT 330 FNL, NCT 660 FEL LAST PERF NCT 330 FSL, NCT 660 FEL BHL NCT 330 FSL, NCT 660 FEL NO OP NAMED REC 4/30/13 (MCKEOWN)
SPACING - 598328	5/30/2013 - G30 - (640 HOR) 4-23N-4W VAC 149617 MSSLM EST MISS 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

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.