

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

API NUMBER: 047 24847

Approval Date: 04/30/2014
Expiration Date: 10/30/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 21N Rge: 5W

County: GARFIELD

SPOT LOCATION: SW SE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 215 2150

Lease Name: EDDIE MACK

Well No: 2-M3H

Well will be 215 feet from nearest unit or lease boundary.

Operator Name: LONGFELLOW ENERGY LP

Telephone: 9725909885

OTC/OCC Number: 22113 0

LONGFELLOW ENERGY LP
PO BOX 1989
ADDISON, TX 75001-1989

EDDIE MACK
15912 S. 66TH ST.
BISON OK 73720

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	6068	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400596
201400878

Special Orders:

Total Depth: 10558

Ground Elevation: 1101

Surface Casing: 1000

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: 8000 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26656
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 02 Twp 20N Rge 5W County GARFIELD

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2320

Depth of Deviation: 5500

Radius of Turn: 509

Direction: 170

Total Length: 4258

Measured Total Depth: 10558

True Vertical Depth: 6300

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	4/16/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
PENDING CD - 201400596	4/29/2014 - G75 - (640)(HOR) 2-20N-5W EXT 615383 MSSP, OTHERS POE TO BHL NCT 660' FB (SUPERSEDE SP. ORDER # 220320 CSTR NW4, SW4 & MISS NW4; COEXIST SP. ORDER # 220320 CSTR, MISS NE4, SE4 & MISS SW4) REC 2-21-2014 (M. PORTER)
PENDING CD - 201400878	4/29/2014 - G75 - (I.O.) X201400596 MSSP SHL NCT 180 FSL, NCT 2168 FWL 35-21N-5W ** POE NCT 165 FNL, NCT 1980 FEL 2-20N-5W BHL NCT 165 FSL, NCT 1980 FEL 2-20N-5W NO OP. NAMED REC 3-13-2014 (P. PORTER)

** ITD HAS SHL AS 215 FSL, 2150 FWL 35-21N-5W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR