

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

API NUMBER: 047 24687

Approval Date: 04/23/2013
Expiration Date: 10/23/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 20N Rge: 5W County: GARFIELD
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 225 270

Lease Name: HAMM Well No: 10 M1H Well will be 225 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

SHERMAN & CAROLYN HAMM
3318 GOLDFINCH LANE
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6156	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 609951

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201302136

Special Orders:

Total Depth: 11185

Ground Elevation: 1058

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 290

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: 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 13-22634

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 10 Twp 20N Rge 5W County GARFIELD

Spot Location of End Point: E2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1000

Depth of Deviation: 5750

Radius of Turn: 850

Direction: 180

Total Length: 4100

Measured Total Depth: 11185

True Vertical Depth: 6600

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

Notes:

Category	Description
DEEP SURFACE CASING	4/16/2013 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
PENDING CD - 201302136	4/23/2013 - G30 - 10-20N-5W X609951 MSSP SHL NCT 225 FSL, NCT 270 FEL 4-20N-5W POE NCT 660 FNL, NCT 1000 FWL 10-20N-5W 1ST PERF NCT 660 FNL, NCT 1000 FWL 10-20N-5W LAST PERF NCT 330 FSL, NCT 1000 FWL 10-20N-5W BHL NCT 330 FSL, NCT 1000 FWL 10-20N-5W NO OP. NAMED REC 4/15/13 (DECKER)
SPACING - 609951	4/23/2013 - G30 - (640 HOR) 10-20N-5W EXT 601545 MSSP, OTHERS POE TO BHL: NCT 660' FB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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