

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

API NUMBER: 047 24823

Approval Date: 03/26/2014  
Expiration Date: 09/26/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 20N Rge: 6W County: GARFIELD  
SPOT LOCATION:  SE  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 215 700

Lease Name: ELVERDA Well No: 9-W4H 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

ROY MACK  
P.O. BOX 344  
WAUKOMIS OK 73773

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

Name	Depth	Name	Depth
1 WOODFORD	7189	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 623021

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401176

Special Orders:

Total Depth: 11869

Ground Elevation: 1112

**Surface Casing: 1000**

Depth to base of Treatable Water-Bearing FM: 340

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-26654

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 09 Twp 20N Rge 6W County GARFIELD

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 370

Depth of Deviation: 6500

Radius of Turn: 800

Direction: 178

Total Length: 4112

Measured Total Depth: 11869

True Vertical Depth: 7300

End Point Location from Lease,  
Unit, or Property Line: 150

Notes:

Category	Description
DEEP SURFACE CASING	3/25/2014 - 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 - 201401176	3/26/2014 - G30 - 9-20N-6W X201400062 WDFD SHL NCT 215 FSL, NCT 700 FEL 4-20N-6W 1ST PERF NCT 0 FNL, NCT 370 FEL 9-20N-6W LAST PERF NCT 0 FSL, NCT 370 FEL 9-20N-6W REC 3/10/14 (STUCK)
SPACING - 623021	3/26/2014 - G30 - (640 HOR) 9-20N-6W EXT 508633 WDFD, OTHERS POE TO BHL NCT 330' FB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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