

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

API NUMBER: 047 24990

Approval Date: 01/12/2015
Expiration Date: 07/12/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 20N Rge: 5W

County: GARFIELD

SPOT LOCATION: SW SW SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 290 285

Lease Name: EDWARDS

Well No: 17-M4H

Well will be 285 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

MARJORIE L. EDWARDS TRUST
3502 WHIPPOORWILL LN.
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6277	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 619897

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407451

Special Orders:

Total Depth: 10969

Ground Elevation: 1078

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 380

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: 14-28732

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 17 Twp 20N Rge 5W County GARFIELD

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 5650

Radius of Turn: 244

Direction: 349

Total Length: 4936

Measured Total Depth: 10969

True Vertical Depth: 6500

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

Notes:

Category	Description
DEEP SURFACE CASING	1/12/2015 - 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 - 201407451	1/12/2015 - G91 - (I.O.) 17-20N-5W X619897 MSSP SHL NCT 290 FSL, NCT 290 FWL (16-20N-5W) POE NCT 165 FSL, NCT 700 FEL BHL NCT 165 FNL, NCT 700 FEL NO OP. NAMED REC. 10-28-2014 (LEAVITT)
SPACING - 619897	1/12/2015 - G91 - (640)(HOR) 17-20N-5W EXT 601416 MSSP, OTHERS POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 144027 MSSLM OTHER, SW4)

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.

047-24990



Well Location Plat

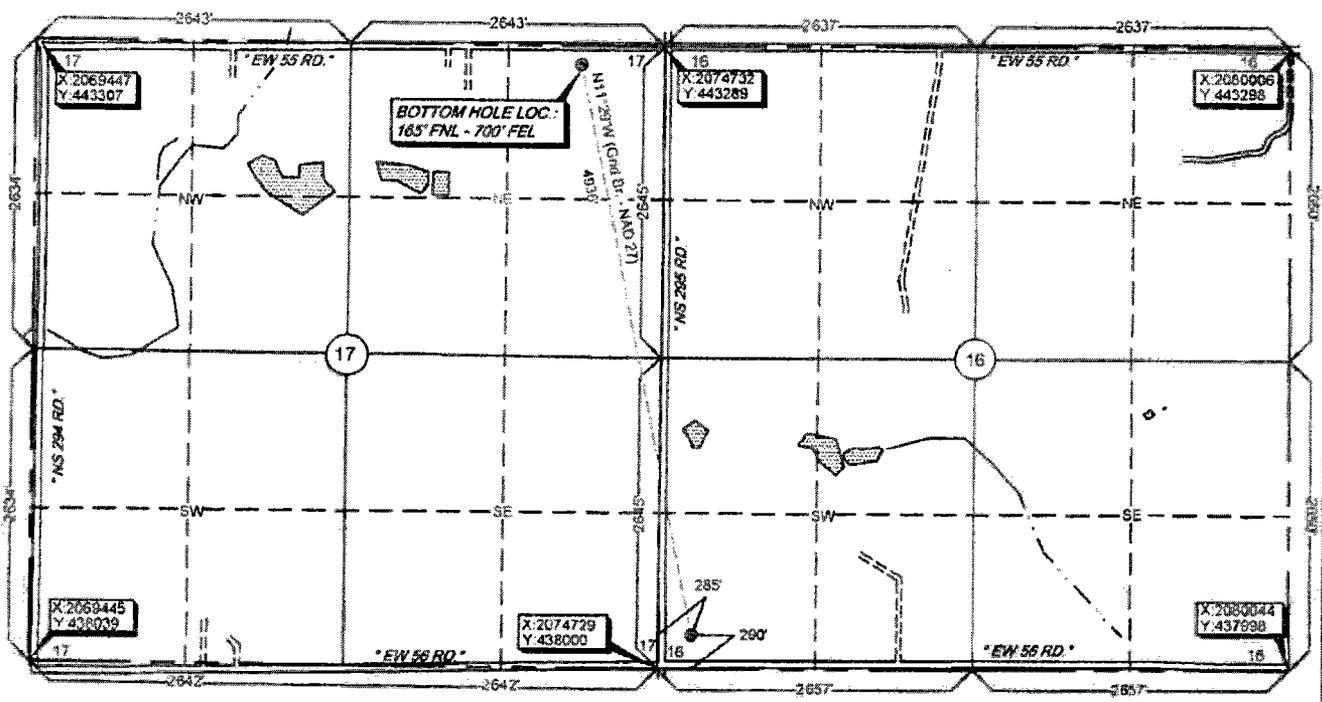
SHL 16-20N-5W I.M.
BHL 17-20N-5W I.M.

Operator: LONGFELLOW ENERGY, LP
 Lease Name and No.: EDWARDS 17-M4H
 Footage: 290' FSL - 285' FWL PAD ELEVATION: 1064' Good Site? YES
 Section: 16 Township 20N Range 5W I.M.
 County: Garfield State of Oklahoma
 Alternate Loc.: N/A
 Terrain at Loc.: Stake fell on existing pad site
 Accessibility: From the West
 Directions: From the town of Buffalo Springs, OK, go 8.0 miles East on "EW 56 Road"
 to the Southwest Corner of Section 16-20N-5W.



GPS DATUM
NAD - 27
OK NORTH ZONE

Surface Hole Loc.:	Bottom Hole Loc.:
Lat: 36°12'13.66"N	Lat: 36°13'01.52"N
Lon: 97°44'44.70"W	Lon: 97°44'56.53"W
X: 2075014	X: 2074032
Y: 438290	Y: 443126



NOTE: X and Y data shown hereon for Section
 Corners may NOT have been surveyed
 on-the-ground, and further, does NOT
 represent a true Boundary Survey.

Quarter Section distances may be assumed from a Government Survey
 Plat or assumed at a proportionate distance from opposing section
 corners, or occupation thereof, and may not have been measured
 on-the-ground, and further, does not represent a true boundary survey.

Please note that this location was staked
 on the ground under the supervision of a Licensed
 Professional Land Surveyor, but the accuracy of this
 survey is not guaranteed
 Please contact Arkoma Surveying and Mapping
 promptly if any inconsistency is determined
 GPS data is observed from RTK - GPS.

survey and plat by,
Arkoma Surveying and Mapping, PLLC
 P.O. Box 238 Wilburton, OK 74578
 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348
 Expires June 30, 2016

Invoice #4969
 Date Staked: 10/03/14 By: C.K.
 Date Drawn: 10/10/14 By: T.S.

Certification:
 This is to certify that this Well Location
 Plat represents the results of a survey
 made on the ground performed under the
 supervision of the undersigned.

Stan Drannon 10/13/19
STAN DRANNON OK LPLS 1672

