

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

API NUMBER: 047 24907 B

Approval Date: 06/11/2018
Expiration Date: 12/11/2018

Horizontal Hole Oil & Gas

Amend reason: REVISED SURFACE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 20N Rge: 6W

County: GARFIELD

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 230 1156

Lease Name: T-MACK

Well No: 26-M4AH

Well will be 230 feet from nearest unit or lease boundary.

Operator Name: LONGFELLOW ENERGY LP

Telephone: 9725909900

OTC/OCC Number: 22113 0

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

WILLARD TABORSKY
2234 QUAILWOOD
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6599	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 597321

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803011

Special Orders:

Total Depth: 12288

Ground Elevation: 1070

Surface Casing: 510

Depth to base of Treatable Water-Bearing FM: 460

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: KINGMAN

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

PERMIT NO: 18-34583

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 26 Twp 20N Rge 6W County GARFIELD

Spot Location of End Point: N2 NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 990

Depth of Deviation: 5967

Radius of Turn: 875

Direction: 3

Total Length: 4946

Measured Total Depth: 12288

True Vertical Depth: 7122

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

6/15/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

PENDING CD - 201803011

6/15/2018 - G57 - (I.O.) 26-20N-6W
X597321 MSSP
SHL NCT 220' FSL, NCT 1150' FEL
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL LONGFELLOW ENERGY, LP.
REC 2-18-2018 (JACKSON)

SPACING - 597321

6/15/2018 - G57 - (640)(HOR) 26-20N-6W
EST MSSP, OTHERS
POE TO BHL (MSSP) NCT 660' FB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS)

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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 24907 T-MACK 26-M4AH

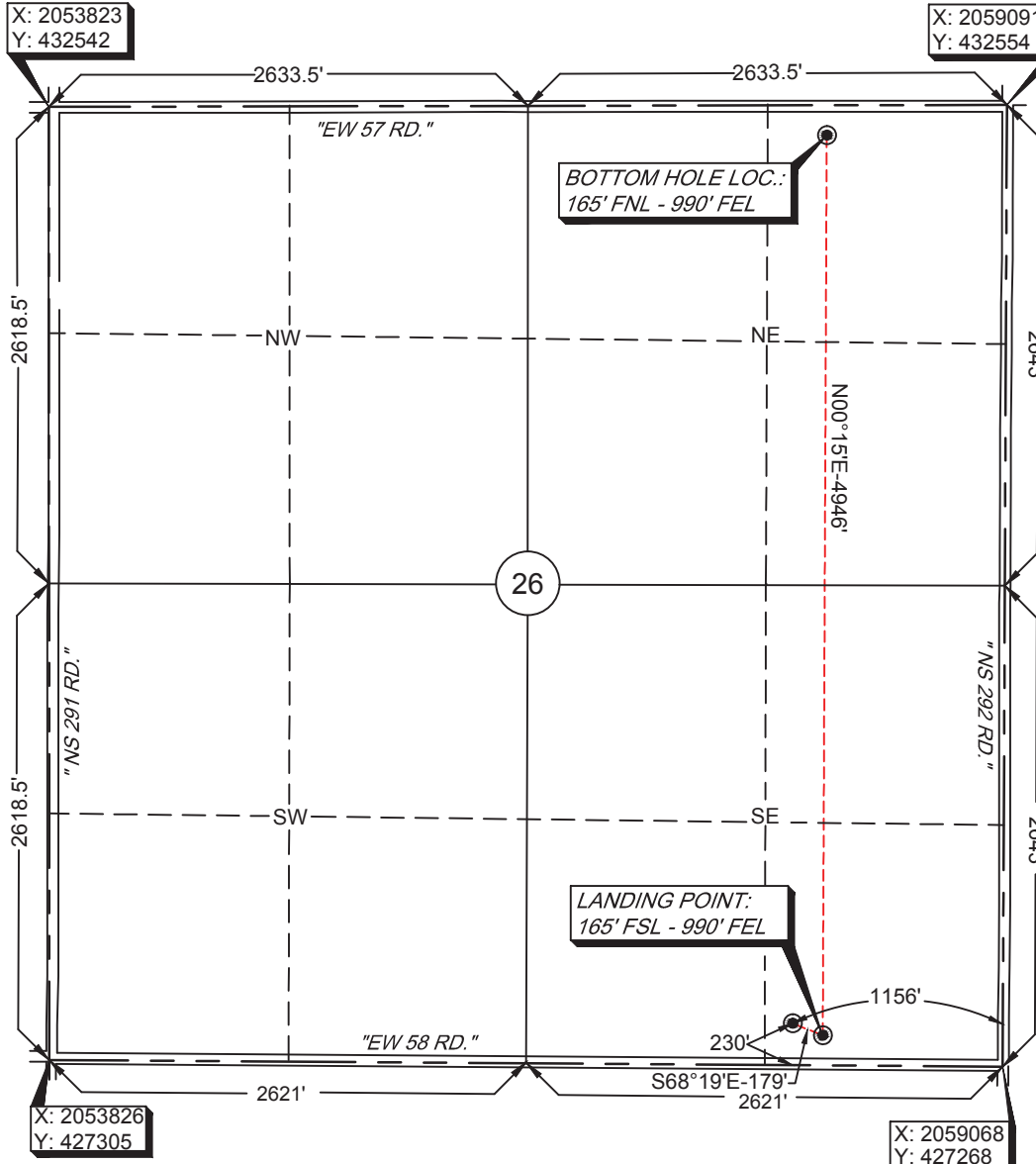
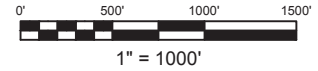


Well Location Plat

Operator: LONGFELLOW ENERGY, LP
 Lease Name and No.: T-MACK 26-M4AH
 Footage: 230' FSL - 1156' FEL Pad Elevation: 1070'
 Section: 26 Township: 20N Range: 6W I.M.
 County: Garfield State of Oklahoma
 Terrain at Loc.: Location fell on existing level pad site.



All bearings shown
are grid bearings.



GPS DATUM
NAD 27
OK NORTH ZONE

Surface Hole Loc.:
 Lat: 36°10'27.41"N
 Lon: 97°48'13.64"W
 X: 2057912
 Y: 427506

Landing Point:
 Lat: 36°10'26.75"N
 Lon: 97°48'11.61"W
 X: 2058078
 Y: 427440

Bottom Hole Loc.:
 Lat: 36°11'15.67"N
 Lon: 97°48'11.22"W
 X: 2058100
 Y: 432387

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, PLLC, if any inconsistency is determined. GPS data is observed from NAD 83. GPS data is not a true boundary survey. GPS data is not 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.

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, 2020

Invoice #4924-A-A
 Date Staked: 06/14/18 By: D.K.
 Date Drawn: 06/14/18 By: J.H.

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.

LANCE G. MATHIS

06/14/18

OK LPLS 1664

