

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

API NUMBER: 047 25145

Approval Date: 05/08/2018

Expiration Date: 11/08/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 20N Rge: 6W

County: GARFIELD

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 220 335

Lease Name: ANDERSON

Well No: 8-M1AH

Well will be 220 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

RICK KOKOJAN
14811 S. HIGHWAY 81
BISON OK 73720

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6850	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 647616

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802518

Special Orders:

Total Depth: 12396

Ground Elevation: 1220

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 390

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: 5000 Average: 3000

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: BISON

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

PERMIT NO: 18-34374

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 08 Twp 20N Rge 6W County GARFIELD

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 6577

Radius of Turn: 573

Direction: 170

Total Length: 4919

Measured Total Depth: 12396

True Vertical Depth: 7200

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/26/2018 - 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: OCCWEB.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 - 201802518

4/26/2018 - G57 - (I.O.) 8-20N-6W

X647616 MSSP

SHL (7-20N-6W) NCT 265' FSL, NCT 315' FEL **

COMPL. INT. (8-20N-6W) NCT 165' FNL, NCT 165' FSL, NCT 330' FWL

NO OP. NAMED

REC 4-17-2018 (MILLER)

**S/B 220' FNL, 335' FEL; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER OPERATOR

SPACING - 647616

4/26/2018 - G57 - (640)(HOR) 8-20N-6W

VAC OTHERS

VAC 61955 MSSLM W2 & SE4

EXT 640715 MSSP, OTHERS

POE TO BHL NCT 660' FB

(COEXIST WITH SP. 61955 MSSLM NE4 & SP. 154472 MNNG)



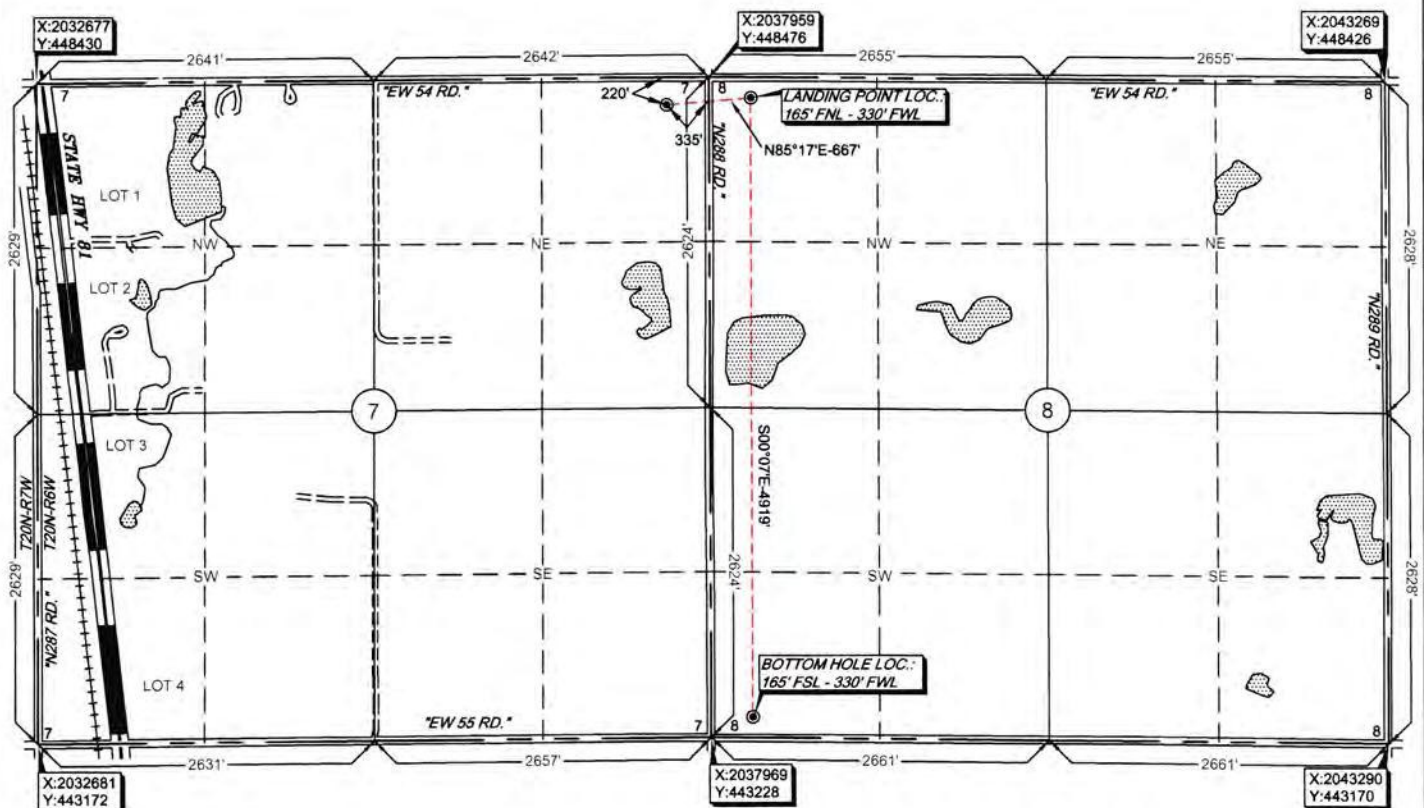
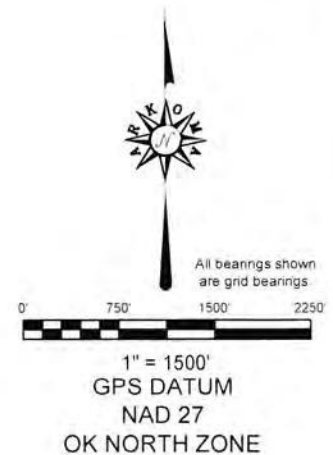
Well Location Plat

S.H.L. Sec. 7-20N-6W I.M.
B.H.L. Sec. 8-20N-6W I.M.

Operator: LONGFELLOW ENERGY, LP
Lease Name and No.: ANDERSON 8-M1AH
Footage: 220' FNL - 335' FEL Gr. Elevation: 1220'
Section: 7 Township: 20N Range: 6W I.M.
County: Garfield State of Oklahoma
Terrain at Loc.: Location fell in a pasture South of existing fence.

API: 047 25145

Surface Hole Loc.:	Landing Point:	Bottom Hole Loc.:
Lat: 36°13'52.91"N	Lat: 36°13'53.45"N	Lat: 36°13'04.81"N
Lon: 97°52'20.75"W	Lon: 97°52'12.64"W	Lon: 97°52'12.60"W
X: 2037625	X: 2038290	X: 2038299
Y: 448253	Y: 448308	Y: 443389



-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.
-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.

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, 2018

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.

Invoice #7772-C

Date Staked: 04/06/18 By: J.W.
Date Drawn: 04/10/18 By: J.D.

Lance G. Mathis
LANCE G. MATHIS

04/13/18

OK LPLS 1664

