

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

API NUMBER: 073 25510

Approval Date: 02/06/2017

Expiration Date: 08/06/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 19N Rge: 5W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 232 1010

Lease Name: CROKA

Well No: 34-M2H

Well will be 232 feet from nearest unit or lease boundary.

Operator Name: LONGFELLOW ENERGY LP

Telephone: 9725909889

OTC/OCC Number: 22113 0

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

TODD SIEGMANN  
28058 E. 660 ROAD  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6070	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 622012

Location Exception Orders: 658207

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11893

Ground Elevation: 1011

**Surface Casing: 400**

Depth to base of Treatable Water-Bearing FM: 150

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 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

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

PERMIT NO: 17-32073

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 34 Twp 19N Rge 5W County KINGFISHER

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 5700

Radius of Turn: 800

Direction: 178

Total Length: 4937

Measured Total Depth: 11893

True Vertical Depth: 6500

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

## Notes:

### Category

### Description

#### HYDRAULIC FRACTURING

1/27/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

#### LOCATION EXCEPTION - 658207

2/6/2017 - G60 - (I.O.) 34-19N-5W  
X622012 MSSP  
SHL NCT 200' FNL, NCT 1450' FWL \*\*\*  
POE TO BHL NCT 165' FNL, NCT 165' FSL, NCT 1320' FWL  
LONGFELLOW ENERGY, LP  
11/22/16

\*\*\*SHL WILL BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

#### SPACING - 622012

2/3/2017 - G60 - (640)(HOR) 34-19N-5W  
EST MSSP, OTHERS  
POE TO BHL NCT 660' FB  
(COEXIST WITH 44223/62761 MSSLM W2)



# Well Location Plat

Sec. 34-19N-5W I.M.

Operator : LONGFELLOW ENERGY, LP

Lease Name and No. : CROKA 34-M2H

Footage : 232' FNL - 1010' FWL GR. ELEVATION : 1011' Good Site? YES

Section : 34 Township : 19N Range : 5W I.M.

County : Kingfisher State of Oklahoma

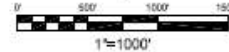
Alternate Loc. : N/A

3507325510

Terrain at Loc. : Location fell on existing Longfellow "Croka 27-M2H" pad site, ±22' South and 10' West of the existing Well Head,

Accessiblity : From the West,

Directions : From the junction of U.S. Hwy 81 & State Hwy 51 in Hennessey, OK, go 8.5 miles East on Hwy 51, go 1.0 mile South on "NS 295 Rd.", go 1.0 mile East on "EW 63 Rd.", go 1.0 mile South on "NS 296 Rd." to the Northwest Corner of Section 34-19N-5W,

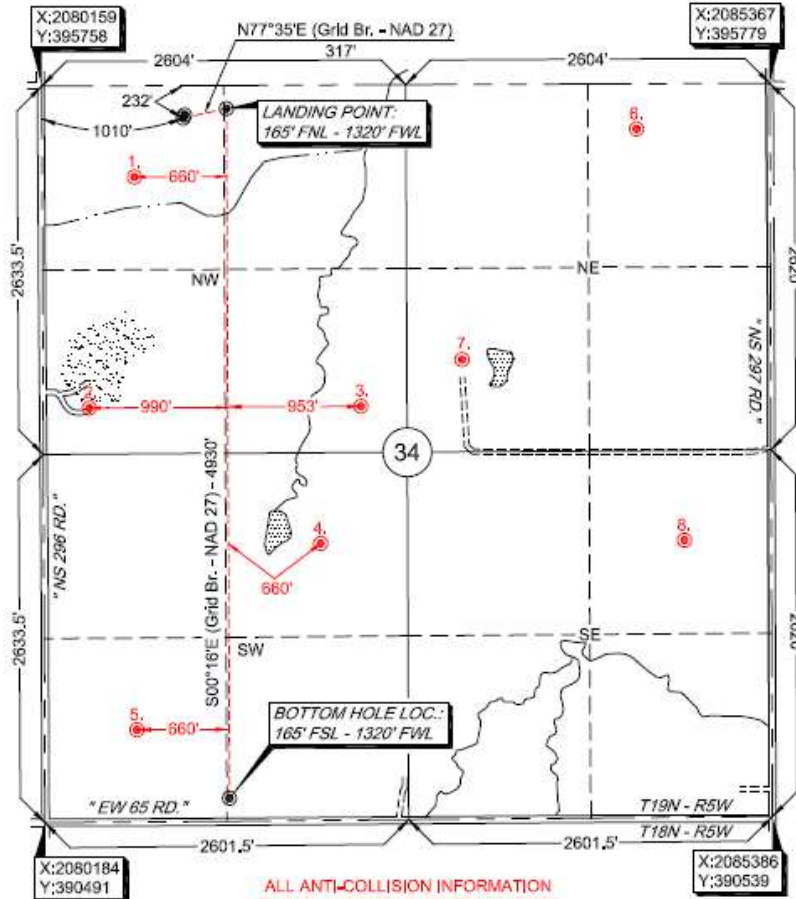


GPS DATUM  
NAD 27  
OK NORTH ZONE

Surface Hole Loc.:  
Lat: 36°05'10.62"N  
Lon: 97°43'31.06"W  
X: 2081170  
Y: 395530

Landing Point:  
Lat: 36°05'11.28"N  
Lon: 97°43'27.28"W  
X: 2081480  
Y: 395598

Bottom Hole Loc.:  
Lat: 36°04'22.53"N  
Lon: 97°43'27.18"W  
X: 2081503  
Y: 390668



ALL ANTI-COLLISION INFORMATION  
SHOWN HEREON WAS PROVIDED BY  
THE OCC WEBSITE.

1. OTC/OCC NA  
SEIGMAN #1  
652' FNL - 660' FWL  
LAT: 36°05'08.48"N  
LON: 97°43'35.31"W  
LAT: 36°05'12.85"  
LON: 97°43'35.31"W  
X: 2080652  
Y: 395109  
OCC STATUS: PA  
TVD: #6155'

2. GILLILAND OIL & GAS  
SEIGMAN #34-1  
2303' FNL - 330' FWL  
LAT: 36°04'50.13"N  
LON: 97°43'38.30"W  
LAT: 36°08'59.24"  
LON: 97°43'38.30"W  
X: 2080590  
Y: 393457  
OCC STATUS: AC  
TVD: #770'

3. JOHNSON E. LYLE  
POLLARD #1  
2298' FNL - 2273' FWL  
LAT: 36°04'50.20"N  
LON: 97°43'15.63"W  
LAT: 36°08'59.11"N  
LON: 97°43'15.63"W  
X: 2080443  
Y: 393470  
OCC STATUS: PA  
TVD: #7502'

4. MILGREN ENT. INC.  
SEIGMAN #2-34  
1980' FSL - 1980' FWL  
LAT: 36°04'40.52"N  
LON: 97°43'19.18"W  
LAT: 36°07'59.13"N  
LON: 97°43'19.18"W  
X: 2080154  
Y: 392489  
OCC STATUS: PA  
TVD: 7600'

5. K & M OIL CO.  
STRINGER #1  
689' FSL - 689' FWL  
LAT: 36°04'27.38"N  
LON: 97°43'35.31"W  
LAT: 36°04'27.38"  
LON: 97°43'35.31"W  
X: 2080840  
Y: 391157  
OCC STATUS: AC  
TVD: #6228'

6. BECK PUMP & SUPPLY  
LUDLOW #4  
323' FNL - 354' FEL  
LAT: 36°05'09.79"N  
LON: 97°42'51.54"W  
LAT: 36°08'54.33"  
LON: 97°42'51.54"W  
X: 2084414  
Y: 395452  
OCC STATUS: PA  
TVD: #6608'

7. SPELLER OIL CORP.  
ANNABELLA #1  
1989' FNL - 2203' FEL  
LAT: 36°04'53.49"N  
LON: 97°43'06.81"W  
LAT: 36°08'52.58"  
LON: 97°43'06.81"W  
X: 2083165  
Y: 393804  
OCC STATUS: AC  
TVD: 6100'

8. MILGREN ENT. INC.  
SEIGMAN #1-34  
1980' FSL - 622' FEL  
LAT: 36°04'40.58"N  
LON: 97°42'47.47"W  
LAT: 36°07'58.52"N  
LON: 97°42'47.47"W  
X: 2084797  
Y: 392513  
OCC STATUS: PA  
TVD: 6985'

(OCC FOOTAGE FELL IN  
POND, WELL PLACED VIA  
AERIAL OVERLAY)

survey and plat by:  
Arkoma Surveying and Mapping, PLLC  
P.O. Box 238 Wiburton, OK 74578  
Ph: 818-465-6711 Fax: 818-465-5030  
Certificate of Authorization No. 8348  
Expires June 30, 2018  
Invoice #6889  
Date Staked: 01/10/17 By: C.K.  
Date Drawn: 01/17/17 By: K.M.  
Add Anti Collision: 01/19/17 By: J.H.

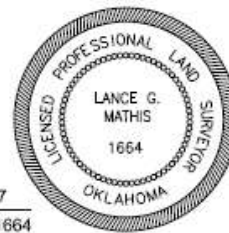
## Certification:

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*  
LANCE G. MATHIS

01/19/17

OK LPLS 1664



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

NOTES: X and Y data shown hereon for Section Corners may NOT have been surveyed (orthographic, and further, does NOT represent a true boundary survey). Quarter Section distances may be assumed from a Government Survey. The or assumed as a proportionate distance from opposite section corners, or occupation based, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.