

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

API NUMBER: 083 24441

Approval Date: 11/08/2018

Expiration Date: 05/08/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 17N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 1176

Lease Name: EMMERICH

Well No: 3-6H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO
PO BOX 2407
FORT SMITH, AR 72902-2407

LARRY L. HORN & BEULAH D. HORN
9834 NORTH COUNTY LINE ROAD
CRESCENT OK 73028

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6383	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 632408
633884

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808388
201808387

Special Orders:

Total Depth: 11700

Ground Elevation: 1163

Surface Casing: 525

Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35746

H. MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 06 Twp 17N Rge 4W County LOGAN

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6267

Radius of Turn: 750

Direction: 2

Total Length: 4255

Measured Total Depth: 11700

True Vertical Depth: 6852

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/2/2018 - 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 - 201808387

11/8/2018 - G75 - (E.O.) 6-17N-4W
X632408/633884 MSSP
1 WELL
NO OP. NAMED
REC 10-22-2018 (NORRIS)

PENDING CD - 201808388

11/8/2018 - G75 - (E.O.) 6-17N-4W
X632408/633884 MSSP, OTHER
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 660' FWL
NO OP. NAMED
REC 10-22-2018 (NORRIS)

SPACING - 632408

11/8/2018 - G75 - (640)(HOR) 6-17N-4W
VAC OTHERS
VAC 59564 MSSLM NW4, SE4 **
VAC 233054 MSSLM NE4
EXT OTHERS
EST MSSP
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 65198 MSSLM W2 NW4 & ORDER # 59564 MSSLM SW4) ++

** S/B VAC 59564 MSSLM SE4 ONLY;

++ S/B COEXIST SP. ORDER # 59564 MSSLM NW4 & SW4;

SPACING - 633884

11/8/2018 - G75 - NPT 632408 CORRECTING PARAGRAPH 5.1 TO VAC 59564 MSSLM SE4 & CORRECTING PARAGRAPH 6.4 TO COEXIST SP. ORDER # 59564 MSSLM NW4 & SW4

This permit does not address the right of entry or settlement of surface damages.

083 24441 EMMERICH 3-6H

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.



Well Location Plat

Sec. 6-17N-4W I.M.

Operator: STEPHENS PRODUCTION COMPANY

API 083-24441

Lease Name and No.: EMMERICH 3-6H

Footage: 200' FSL - 1176' FWL Gr. Elevation: 1163'

Section: 6 Township: 17N Range: 4W I.M.

County: Logan State of Oklahoma

Terrain at Loc.: Location fell in flat open farm land with cows.



All bearings shown
are grid bearings.

0' 500' 1000' 1500'
1" = 1000'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°58'17.97"N
Lon: 97°40'18.17"W
Lat: 35.97165777
Lon: -97.67171441
X: 2065641
Y: 353864

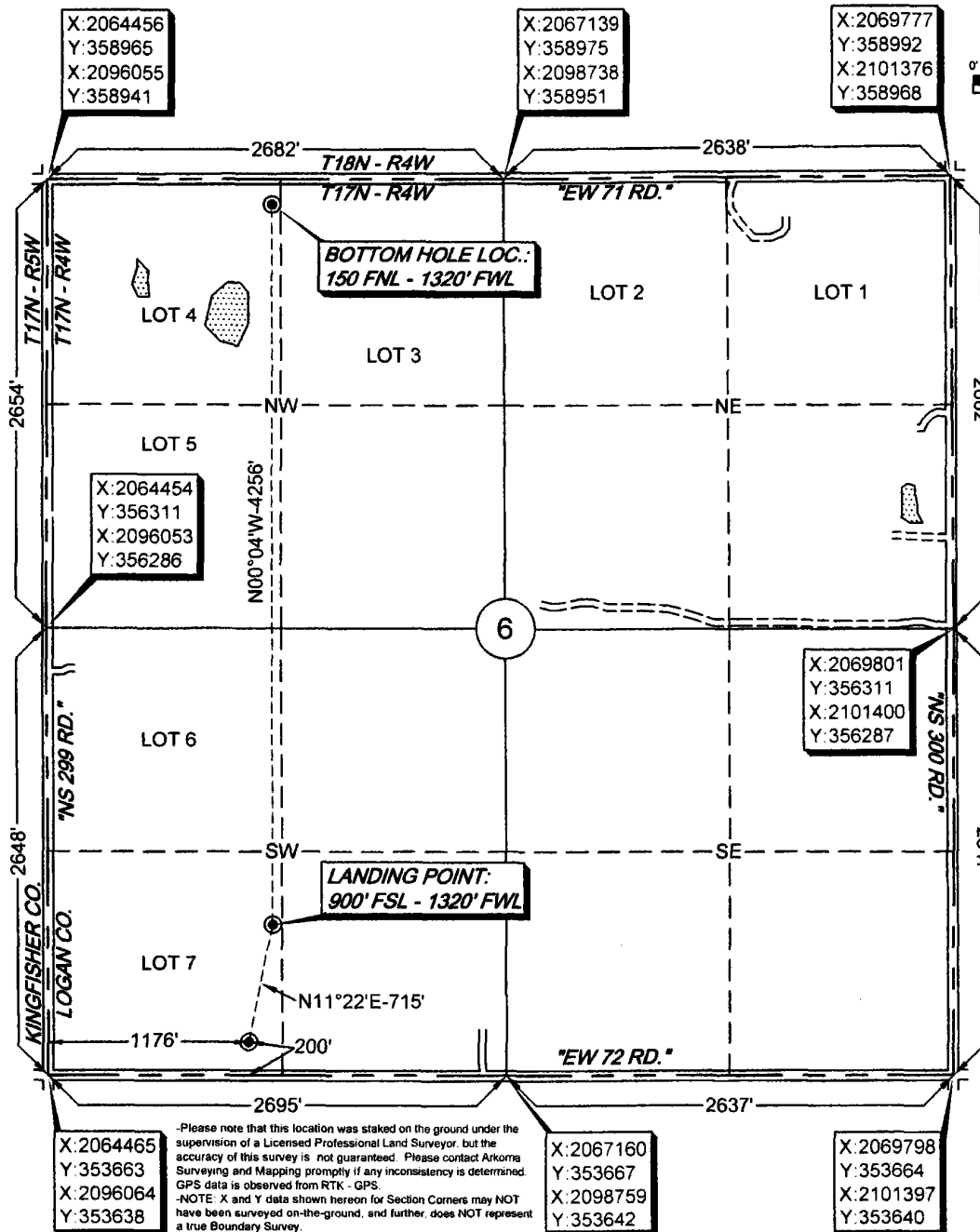
Surface Hole Loc.:
Lat: 35°58'17.82"N
Lon: 97°40'17.00"W
Lat: 35.97161578
Lon: -97.67138790
X: 2097240
Y: 353840

Landing Point:
Lat: 35°58'24.89"N
Lon: 97°40'16.43"W
Lat: 35.97358101
Lon: -97.67123074
X: 2065781
Y: 354565

Landing Point:
Lat: 35°58'24.74"N
Lon: 97°40'15.26"W
Lat: 35.97353908
Lon: -97.67090422
X: 2097380
Y: 354540

Bottom Hole Loc.:
Lat: 35°59'06.98"N
Lon: 97°40'16.32"W
Lat: 35.98527131
Lon: -97.67119920
X: 2065776
Y: 358820

Bottom Hole Loc.:
Lat: 35°59'06.83"N
Lon: 97°40'15.14"W
Lat: 35.98522972
Lon: -97.67087250
X: 2097375
Y: 358796



-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, 2020

Invoice #8250

Date Staked: 10/15/18 By: D.K.

Date Drawn: 10/17/18 By: M.K.

Revised BHL: 10/25/18 By: M.K.

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

10/25/18

OK LPLS 1664

