

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

API NUMBER: 083 24354 B

Approval Date: 05/25/2018

Expiration Date: 11/25/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: LOGAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 950

Lease Name: EMMERICH

Well No: 2-6H

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

JANICE EMMERICH
29705 E. 730 RD.
CRESCENT OK 73028

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6370	6	
2	WOODFORD	6850	7	
3			8	
4			9	
5			10	

Spacing Orders: 632408
633884

Location Exception Orders: 664325

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11660

Ground Elevation: 1161

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

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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

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: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1500

Depth of Deviation: 6106

Radius of Turn: 750

Direction: 355

Total Length: 4376

Measured Total Depth: 11660

True Vertical Depth: 6850

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

BOTTOM-HOLE LOCATION

5/22/2018 - G75 - 50' FNL, 1500' FEL NE4 6-17N-4W PER STAKING PLAT

HYDRAULIC FRACTURING

5/8/2018 - 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

LOCATION EXCEPTION - 664325

5/22/2018 - G75 - (I.O.) 6-17N-4W
X632408/633884 MSSP, WDFD
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 660' FEL
STEPHENS PROD. CO.
6-2-2017 (CONTINUED UNTIL 9-17-2018)

SPACING - 632408

5/22/2018 - G75 - (640)(HOR) 6-17N-4W
VAC OTHERS
VAC 59564 MSSLM NW4, SE4 **
VAC 233054 MSSLM NE4
EXT 625575 WDFD, OTHER
EST MSSP
POE TO BHL (MSSP) NCT 660' FB
POE TO BHL (WDFD) NCT 330' 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

5/22/2018 - G75 - NPT 632408 CORRECTING PARAGRAPH 5.1 TO VAC 59564 MSSLM SE4 & CORRECTING PARAGRAPH 6.4 TO COEXIST SP. ORDER # 59564 MSSLM NW4 & SW4

SURFACE CASING

5/25/2018 - G75 - 525' PER OPERATOR

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.

083 24354 EMMERICH 2-6H

Well Location Plat

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

Operator: STEPHENS PRODUCTION COMPANY

API 083-24354 B

Lease Name and No. : EMMERICH #2-6H

Footage : 200' FSL - 950' FEL GR. ELEVATION : 1161' Good Site? YES

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

County : Logan State of Oklahoma

Alternate Loc. : N/A

Terrain at Loc. : Stake fell in wheat field.

Accessibility : From the East.

Directions : From the intersection of State Highway 74c & State Highway 74, in Crescent, OK, go 1.0 mile North, then 4.0 miles West on "EW 72 Road" to the Southeast Corner of Section 6-17N-4W.



1"=1000'

GPS DATUM
NAD - 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°58'17.69"N
Lon: 97°39'38.04"W
X: 2100442
Y: 353838

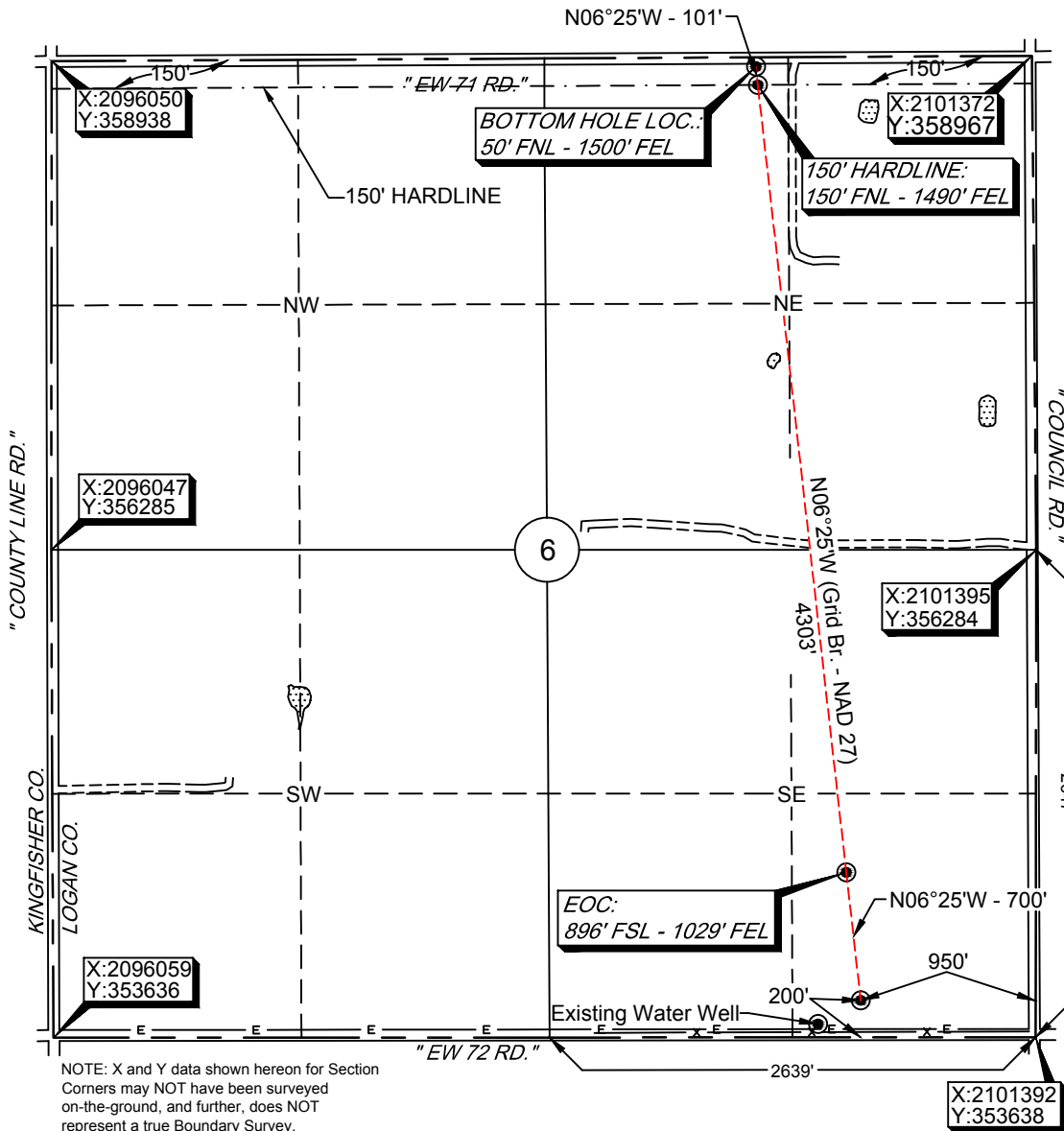
EOC:
Lat: 35°58'24.57"N
Lon: 97°39'38.96"W
X: 2100364
Y: 354533

150' Hardline:
Lat: 35°59'06.87"N
Lon: 97°39'44.62"W
X: 2099883
Y: 358809

Bottom Hole Loc.:
Lat: 35°59'07.86"N
Lon: 97°39'44.76"W
X: 2099872
Y: 358909

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.

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

Invoice #4544

Date Staked : 04/23/14 By : J.W.

Date Drawn : 04/24/14 By : E.D.

Revised: 05/24/18 By : J.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

05/24/18

OK LPLS 1664

