

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

API NUMBER: 073 26579

Approval Date: 05/17/2019

Expiration Date: 11/17/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 16N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 233 1039

Lease Name: TOAD 1606

Well No: 2LOH-14

Well will be 233 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC

Telephone: 4054788770; 4054264

OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC  
701 CEDAR LAKE BLVD  
OKLAHOMA CITY, OK 73114-7800

KERMIT C. KUELZER  
901 PARK LANE  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	6988	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658720

Location Exception Orders: 682474

Increased Density Orders: 682673

Pending CD Numbers:

Special Orders:

Total Depth: 12400

Ground Elevation: 1096

**Surface Casing: 470**

Depth to base of Treatable Water-Bearing FM: 220

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: SALT PLAINS

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

PERMIT NO: 19-36626

H. SEE MEMO

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.

## PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: SALT PLAINS

## HORIZONTAL HOLE 1

Sec 14 Twp 16N Rge 6W County KINGFISHER

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1040

Depth of Deviation: 6462

Radius of Turn: 600

Direction: 181

Total Length: 4995

Measured Total Depth: 12400

True Vertical Depth: 7475

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

### Notes:

#### Category

#### Description

HYDRAULIC FRACTURING

5/13/2019 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 682673

5/17/2019 - G56 - 14-16N-6W  
X658720 MSNLC  
3 WELLS  
CHAPARRAL ENERGY, LLC  
9/7/2018

LOCATION EXCEPTION - 682474

5/17/2019 - G56 - (I.O.) 14-16N-6W  
X658720 MSNLC  
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 330' FEL & FWL  
CHAPARRAL ENERGY, LLC  
9/5/2018

MEMO

5/13/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

073 26579 TOAD 1606 2LOH-14

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.

Category

Description

SPACING - 658720

5/17/2019 - G56 - (640)(HOR) 14-16N-6W  
EXT 648302 MSNLC, OTHERS  
COMPL INT NCT 660' FB  
(COEXIST WITH SP # 61541 MSSLM)

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.

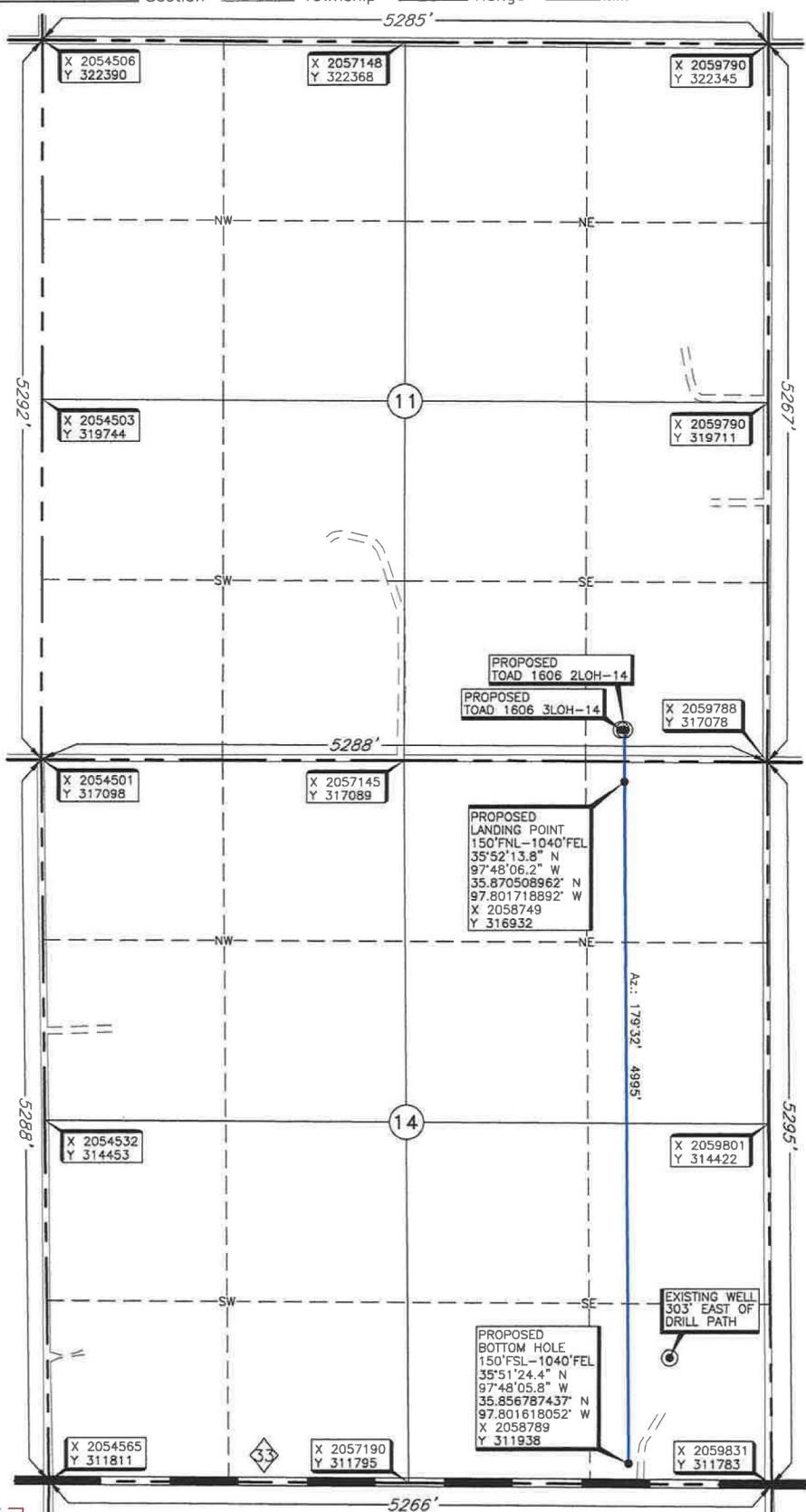
**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

KINGFISHER County, Oklahoma  
233'FSL-1039'FEL Section 11 Township 16N Range 6W I.M.



LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: CHAPARRAL ENERGY, LLC.  
Lease Name: TOAD 1606  
Topography & Vegetation Location fell in wheat field  
Good Drill Site? Yes  
Best Accessibility to Location From South off county road  
Distance & Direction From Hwy Jct or Town From the junction of St. Hwy 33 & US Hwy 81 in Kingfisher, Oklahoma, go ± 7.5 miles East on St. Hwy 33, then 1 mile North to the Southeast Corner of Section 11, T16N-R6W.  
Reference Stakes or Alternate Location  
Stakes Set None  
Well No.: ZLOH-14  
ELEVATION: 1096' Gr. at Stake



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27  
LAT: 35°52'17.6" N  
LONG: 97°48'06.2" W  
LAT: 35.871560713° N  
LONG: 97.801714129° W  
STATE PLANE COORDINATES (US FEET):  
ZONE: OK NORTH  
X: 2058750  
Y: 317315

Date of Drawing: May 7, 2019  
Project # 126186A Date Staked: May 2, 2018 TR

**CERTIFICATE:**

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

*Thomas L. Howell*  
Oklahoma Lic. No. 1433

