

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

API NUMBER: 073 26164

Approval Date: 07/20/2018

Expiration Date: 01/20/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 19N Rge: 7W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1625 360

Lease Name: HENNESSEY UNIT 1907

Well No: 1LMH-36-1

Well will be 360 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC

Telephone: 4054264451; 4054264

OTC/OCC Number: 16896 0

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

WOODS ACRES, INC.
P.O. BOX 713
CHOCTAW OK 73020

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN SOLID	7085	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 61811

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15000

Ground Elevation: 1123

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 90

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-34788

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 01 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: SW SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 325

Depth of Deviation: 6908

Radius of Turn: 875

Direction: 181

Total Length: 6717

Measured Total Depth: 15000

True Vertical Depth: 7255

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

6/27/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/27/2018 - 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

SPACING - 61811

7/9/2018 - G57 - (UNIT) N2, SW4 1-18N-7W & W2 NW4, S2 36-19N-7W
EST HENNESSEY UNIT FOR MSSSD, OTHERS

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219 API: 073 26164
Certificate of Authorization No. 1293 LS

County, Oklahoma

1625' FSL-360' FWL Section 36 Township 19N Range 7W I.M.

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

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY



GRID
NAD-27
OK NORTH
US FEET
Scale:

1" = 1000'

0 1000'

Operator: CHAPARRAL ENERGY, LLC.

Lease Name: HENNESSEY UNIT 1907

Topography & Vegetation Location fell in sloping wheat field

Good Drill Site? Yes

Reference Stakes or Alternate Location Stakes Set NoneWell No.: 1LMH-36-1

ELEVATIONS:

1123' Gr. at Stake

PROPOSED
BOTTOM HOLE
165'FSL-325'FWL
36°03'33.3" N
97°54'23.9" W
36.059257543° N
97.906634412° W
X: 2027598
Y: 385592

DATUM: NAD-27
LAT: 36°04'39.8" N
LONG: 97°54'23.5" W
LAT: 36.077709947° N
LONG: 97.906534528° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2027621
Y: 392309

Invoice # 298140 Date of Drawing: July 12, 2018
Date Staked: June 12, 2018 NR

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 J. Naughton
Oklahoma Lic. No. 1433

