

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

API NUMBER: 073 26280

Approval Date: 09/25/2018
Expiration Date: 03/25/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: KINGFISHER

SPOT LOCATION: SW SE SE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 2425 2200

Lease Name: HENNESSEY UNIT 1907

Well No: 3LMH-36-1

Well will be 2200 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

ALVIN STRIBEL, JR. & JEAN STRIBEL TRUST
14346 EAST 610 RD
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN SOLID	7070	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: 15800

Ground Elevation: 1143

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 80

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35386

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 SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1580

Depth of Deviation: 6602

Radius of Turn: 800

Direction: 185

Total Length: 7941

Measured Total Depth: 15800

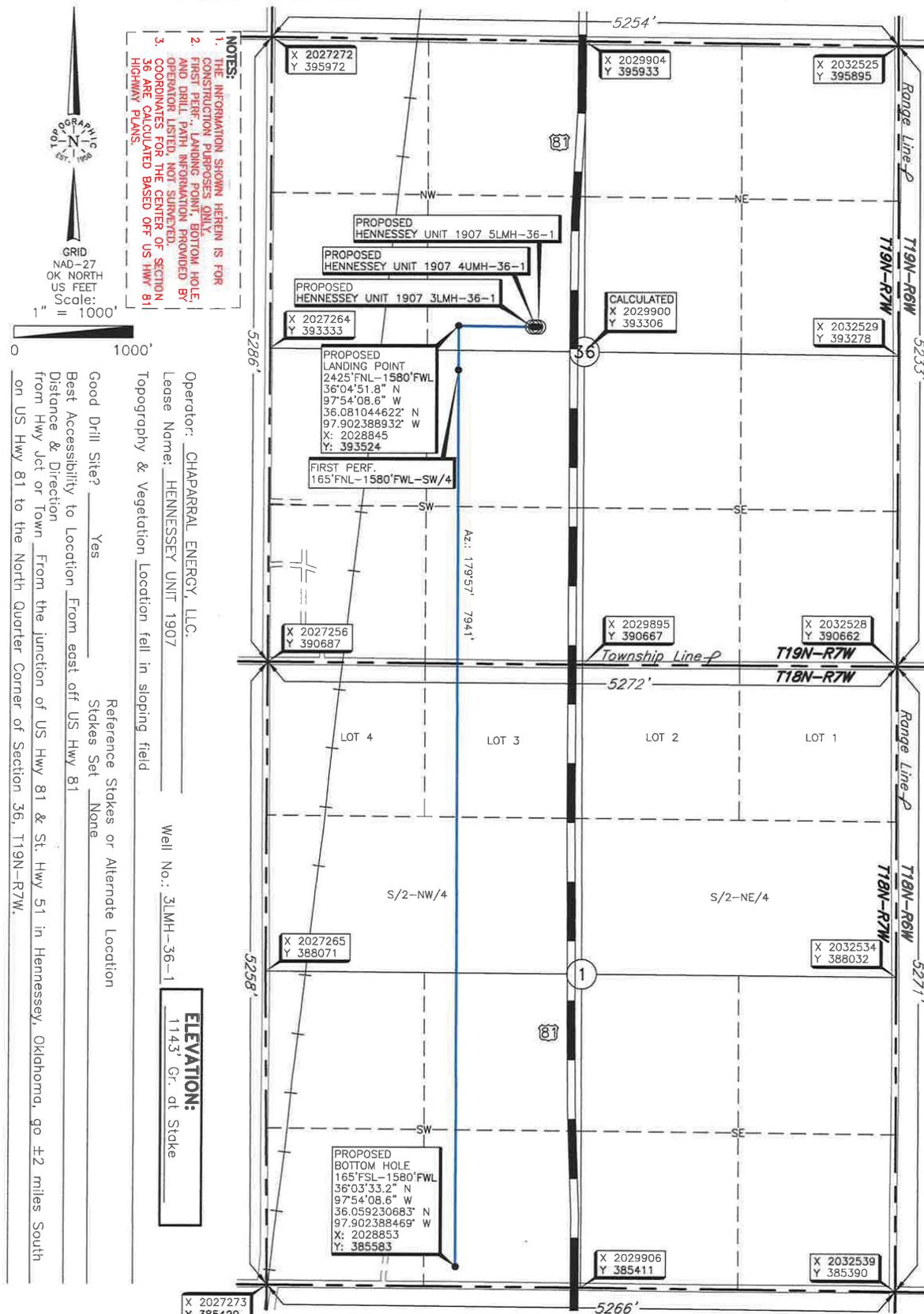
True Vertical Depth: 7619

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

Notes:

Category	Description
DEEP SURFACE CASING	9/14/2018 - 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	9/14/2018 - 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	9/14/2018 - G57 - (UNIT) N2, SW4 1-18N-7W & W2 NW4, S2 36-19N-7W EST HENNESSEY UNIT FOR MSSSD, OTHERS

KINGFISHER County, Oklahoma
 2425'FNL-2200'FWL Section 36 Township 19N Range 7W I.M.



- NOTES:**
1. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
 2. FIRST PERF. LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.
 3. COORDINATES FOR THE CENTER OF SECTION 36 ARE CALCULATED BASED OFF US HWY 81 HIGHWAY PLANS.

GRID
 NAD-27
 OK NORTH
 US FEET
 Scale:
 1" = 1000'

Operator: CHAPARRAL ENERGY, LLC.
 Lease Name: HENNESSEY UNIT 1907
 Topography & Vegetation Location fell in sloping field
 Well No.: 3LMH-36-1
 ELEVATION: 1143' Gr. at Stake

Good Drill Site? Yes
 Best Accessibility to Location From east off US Hwy 81
 Distance & Direction From the junction of US Hwy 81 & St. Hwy 51 in Hennessey, Oklahoma, go ±2 miles South on US Hwy 81 to the North Quarter Corner of Section 36, T19N-R7W.

Reference Stakes or Alternate Location
 Stakes Set None

DATUM: NAD-27
 LAT: 36°04'51.7" N
 LONG: 97°54'01.1" W
 LAT: 36.081018536° N
 LONG: 97.900291899° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2029464
 Y: 393515

Revision B Date of Drawing: Sept. 25, 2018
 Invoice # 302105 Date Staked: Sept. 4, 2018 NB

CERTIFICATE:

I, Dan W. Rogers on Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Dan W. Rogers
 Oklahoma Lic. No. 1200

