

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

API NUMBER: 047 25114

Approval Date: 11/14/2017

Expiration Date: 05/14/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 22N Rge: 5W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 260 825

Lease Name: BARBEE 2105

Well No: 1LMH-4

Well will be 260 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

DENNIS & BARBARA GERKEN, M. HACKER, L. HLADIK
5429 S. 90TH ST.
FAIRMONT OK 73736

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6130	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 633923

Location Exception Orders: 666838

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11000

Ground Elevation: 1139

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 390

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: 8000 Average: 5000

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 BED AQUIFER

Pit Location Formation: KINGMAN

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

PERMIT NO: 17-33289

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 04 Twp 21N Rge 5W County GARFIELD

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5450

Radius of Turn: 477

Direction: 185

Total Length: 4801

Measured Total Depth: 11000

True Vertical Depth: 6150

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/13/2017 - 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 - 666838

11/8/2017 - G58 - (I.O.) 4-21N-5W

X ? MSSP **

COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL
CHAPARRAL ENERGY, L.L.C.

8/10/2017

**S/B X633923 MSSP; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION
EXCEPTION PER ATTORNEY FOR OPERATOR

SPACING - 633923

11/8/2017 - G58 - (640)(HOR) 4-21N-5W

EXT 626213 MSSP, OTHER

EST OTHERS

POE TO BHL NCT 660' FB

(COEXIST SP. ORDER # 69802/69931 MSSLM)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293.

GARFIELD

County, Oklahoma

260'FSL-825'FWL Section 33 Township 22N Range 5W I.M.

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

Operator: CHAPARRAL ENERGY, LLC.

Lease Name: BARBEE

Topography & Vegetation Loc. fell in plowed field, $\pm 219'$ N. of pipeline & $\pm 100'$ N. of SWD pipeline

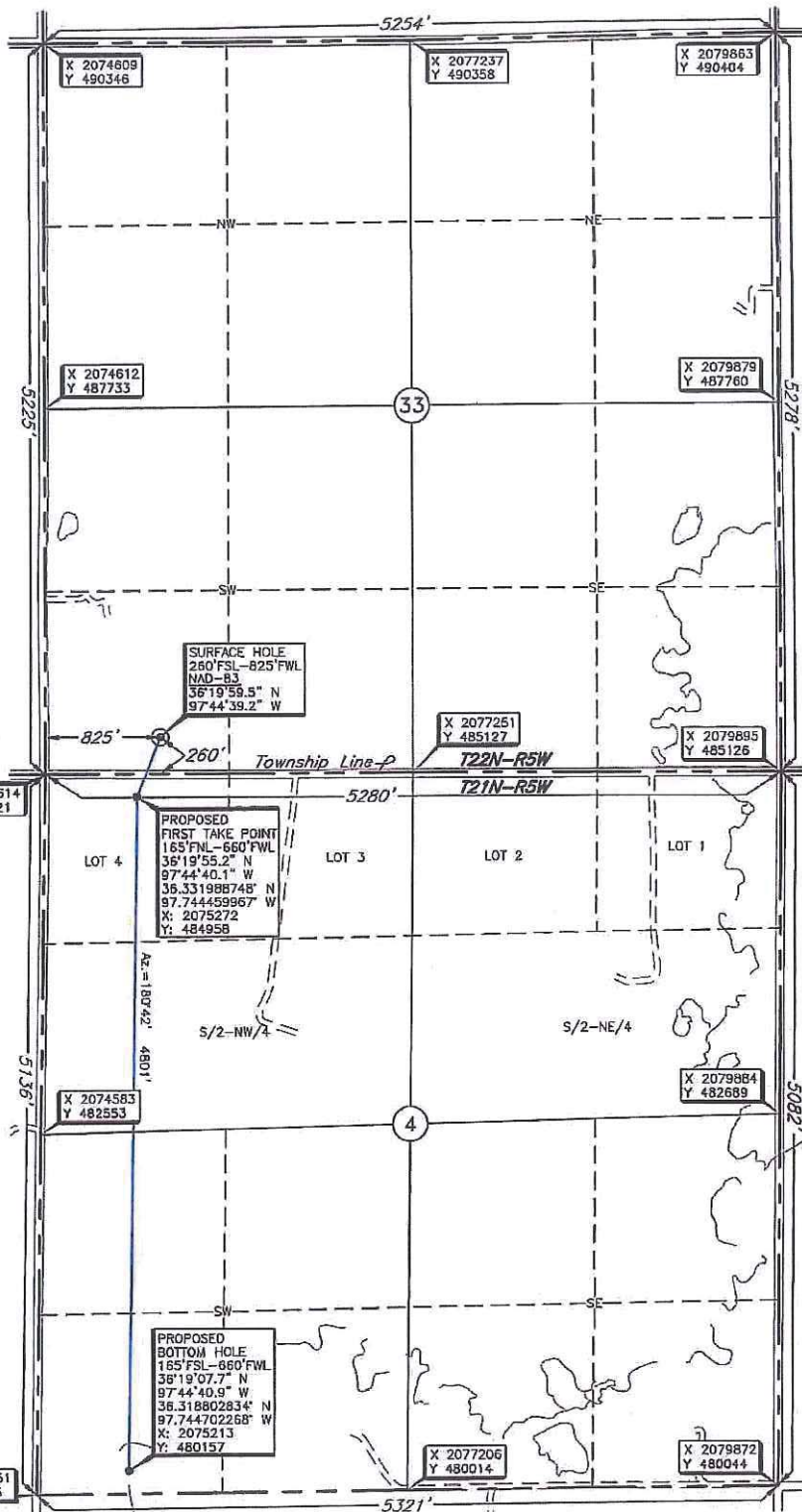
Good Drill Site? Yes

Best Accessibility to Location From South off county road

Distance & Direction From Hwy 412 or Town

US Hwy 412/US Hwy 64, then ± 4.5 miles South to the Southwest Corner of Section 33, T22N-R5W.Reference Stakes or Alternate Location
Stakes Set None

ELEVATION:

1140' Gr. at Stake (NGVD 88)
1139' Gr. at Stake (NAVD 29)X 2074551
Y 479985THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
 LAT: 36°19'59.4" N
 LONG: 97°44'38.0" W
 LAT: 36.333156202° N
 LONG: 97.743890387° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2075439
 Y: 485383

Date of Drawing: Sept. 28, 2017
Invoice # 281657B Date Staked: Sept. 26, 2017 NMB

CERTIFICATE:

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

 Oklahoma Lic. No. 1433
