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 A

Approval Date: 11/14/2017
Expiration Date: 05/14/2018

Horizontal Hole Oil & Gas

Amend reason: AMEND SHL

AMEND PERMIT TO DRILL

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

SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **260** **855**

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

D. & B. 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

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

Approved Method for disposal of Drilling Fluids:

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)

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.

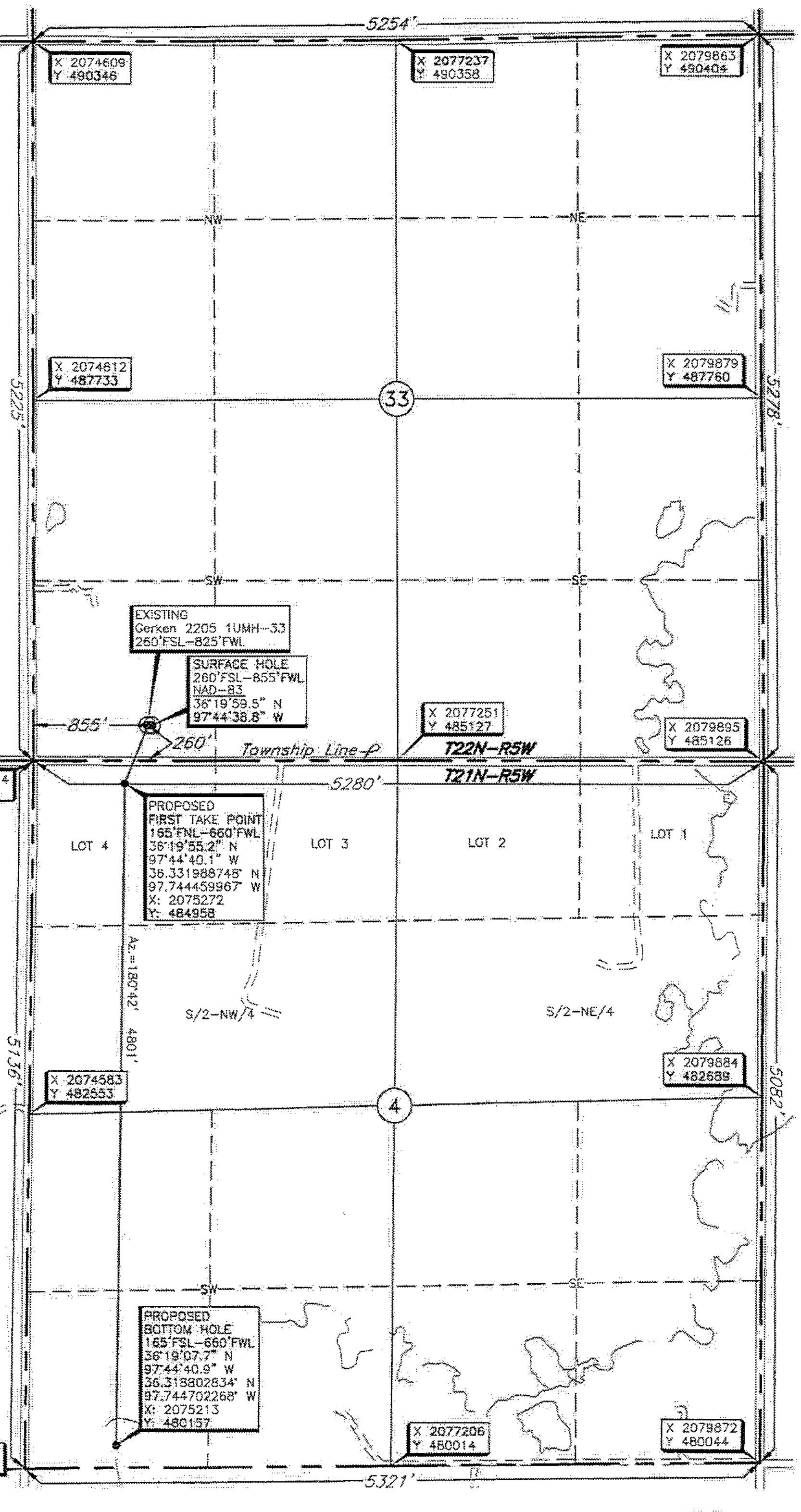
047-25114 Amend

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-855'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 Well No.: 1LMH-4
Topography & Vegetation Loc. fell on existing pad, ± 30' East of existing well
Reference Stakes or Alternate Location
Good Drill Site? Yes Stakes Set None
Best Accessibility to Location From South off county road
Distance & Direction
from Hwy Jct or Town From the junction of US Hwy 412/US Hwy 64 & St. Hwy 74, go ± 9 miles West on US Hwy 412/US Hwy 64, then ± 4.5 miles South to the Southwest Corner of Section 33, T22N-R5W.

ELEVATION:
1139' on Existing Pad (NGVD 88)
1139' on Existing Pad (NAVD 29)

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

DATUM: NAD-27
LAT: 36°19'59.4" N
LONG: 97°44'37.6" W
LAT: 36.333155982° N
LONG: 97.743788651° W
STATE PLANE COORDINATES (US FEET):
ZONE: OK NORTH
X: 2075469
Y: 485383

Invoice # 285575A
Date of Drawing: Dec. 11, 2017
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.

Thomas L. Howell
Oklahoma Lic. No. 1433

THOMAS L. HOWELL
1433
12-11-17