

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

API NUMBER: 047 25131 B

Approval Date: 03/15/2018

Expiration Date: 09/15/2018

Horizontal Hole Oil & Gas

Amend reason: AMEND BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 20N Rge: 7W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 710

Lease Name: BOOMHAUER 2007

Well No: 1LMH-13

Well will be 250 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

LISA HIXON NAULT
925 BRYAN DR.
ENID OK 73701

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 672244

Location Exception Orders: 674212

Increased Density Orders:

Pending CD Numbers: 201708531

Special Orders:

Total Depth: 12000

Ground Elevation: 1212

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 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: BISON

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33598
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 13 Twp 20N Rge 7W County GARFIELD

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 6157

Radius of Turn: 583

Direction: 5

Total Length: 4927

Measured Total Depth: 12000

True Vertical Depth: 7000

End Point Location from Lease,

Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
MARLENE EVON HIXON	729 RIDGE PL.	ENID, OK 73701

Notes:

Category

Description

HYDRAULIC FRACTURING

1/10/2018 - 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

LOCATION EXCEPTION - 674212

1/24/2018 - G57 - (I.O.) 13-20N-7W
X672244 MSSP
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
CHAPARRAL ENERGY, LLC.
3-2-2018

PENDING CD - 201708531

1/24/2018 - G57 - (I.O.) 13-20N-7W
X165:10-3-28(C)(2)(B) MSSP (BOOMHAUER2007 1LMH-13) MAY BE CLOSER THAN 600' FROM HIXON #1**
NO OP. NAMED
REC 3-13-2018 (JACKSON)

** S/B HIXON #1 & FELBER #1; WILL BE CORRECTED FOR HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR

SPACING - 672244

1/12/2018 - G57 - (640)(HOR) 13-20N-7W
EXT 626929 MSSP
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER #62770 MSSLM, #182576 MNNG SW4, #165950 NW4, #198739 E2 NE4)

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

047 25131 BOOMHAUER 2007 1LMH-13

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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

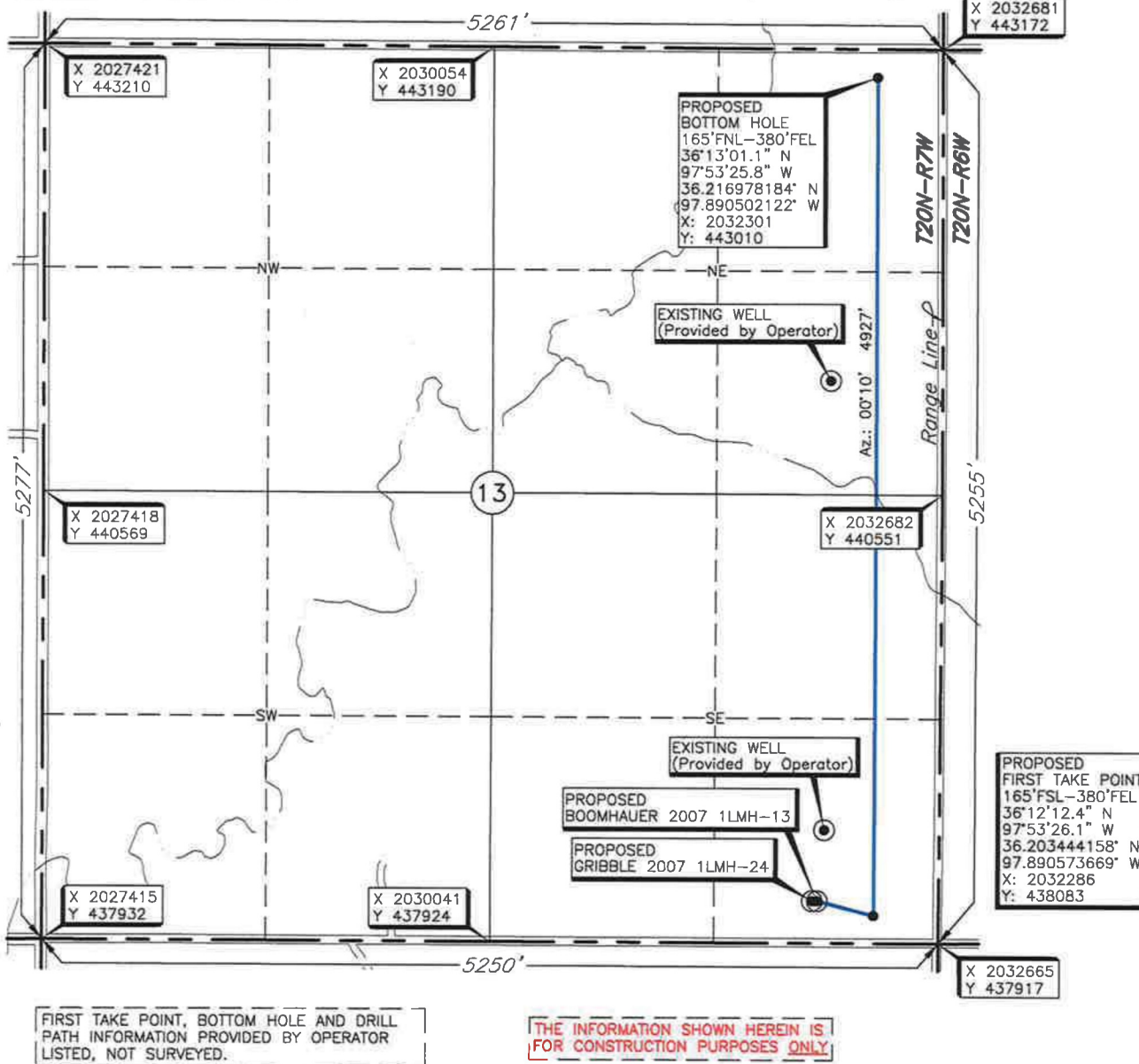
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

GARFIELD

County, Oklahoma

API: 047 25131

250'FSL-710'FEL Section 13 Township 20N Range 7W I.M.



Operator: CHAPARRAL ENERGY, LLC.

Lease Name: BOOMHAUER 2007

Well No.: 1LMH-13

ELEVATION:

1212' Gr. at Stake

Topography & Vegetation Loc. fell in sloping wheat field

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction

From Hwy Jct or Town From US Hwy 81 & the Kingfisher-Garfield County line, go ± 2.5 miles North on US Hwy 81, then ± 0.1 mile West to the Southeast Corner of Section 13, T20N-R7W.

DATUM: NAD-27
LAT: 36°12'13.3" N
LONG: 97°53'30.1" W
LAT: 36.203680755° N
LONG: 97.891689782° W

STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH

X: 2031956
Y: 438169

Date of Drawing: Apr. 11, 2018

Invoice # 291968 Date Staked: Oct. 23, 2017

NB

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.

Oklahoma Reg. No. 1433



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