

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

API NUMBER: 047 25171

Approval Date: 09/21/2018

Expiration Date: 03/21/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 22N Rge: 5W

County: GARFIELD

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 233 260

Lease Name: MANGO 2205

Well No: 10H-23

Well will be 233 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

PAUL B. & VICKIE R. SEMRAD
8400 S. 138TH STREET
DOUGLAS OK 73733

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5860	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806010
201807252

Special Orders:

Total Depth: 11500

Ground Elevation: 1157

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 400

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: FAIRMONT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35403
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 23 Twp 22N Rge 5W County GARFIELD

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 5645

Radius of Turn: 573

Direction: 181

Total Length: 4955

Measured Total Depth: 11500

True Vertical Depth: 6100

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

Notes:

Category

Description

HYDRAULIC FRACTURING

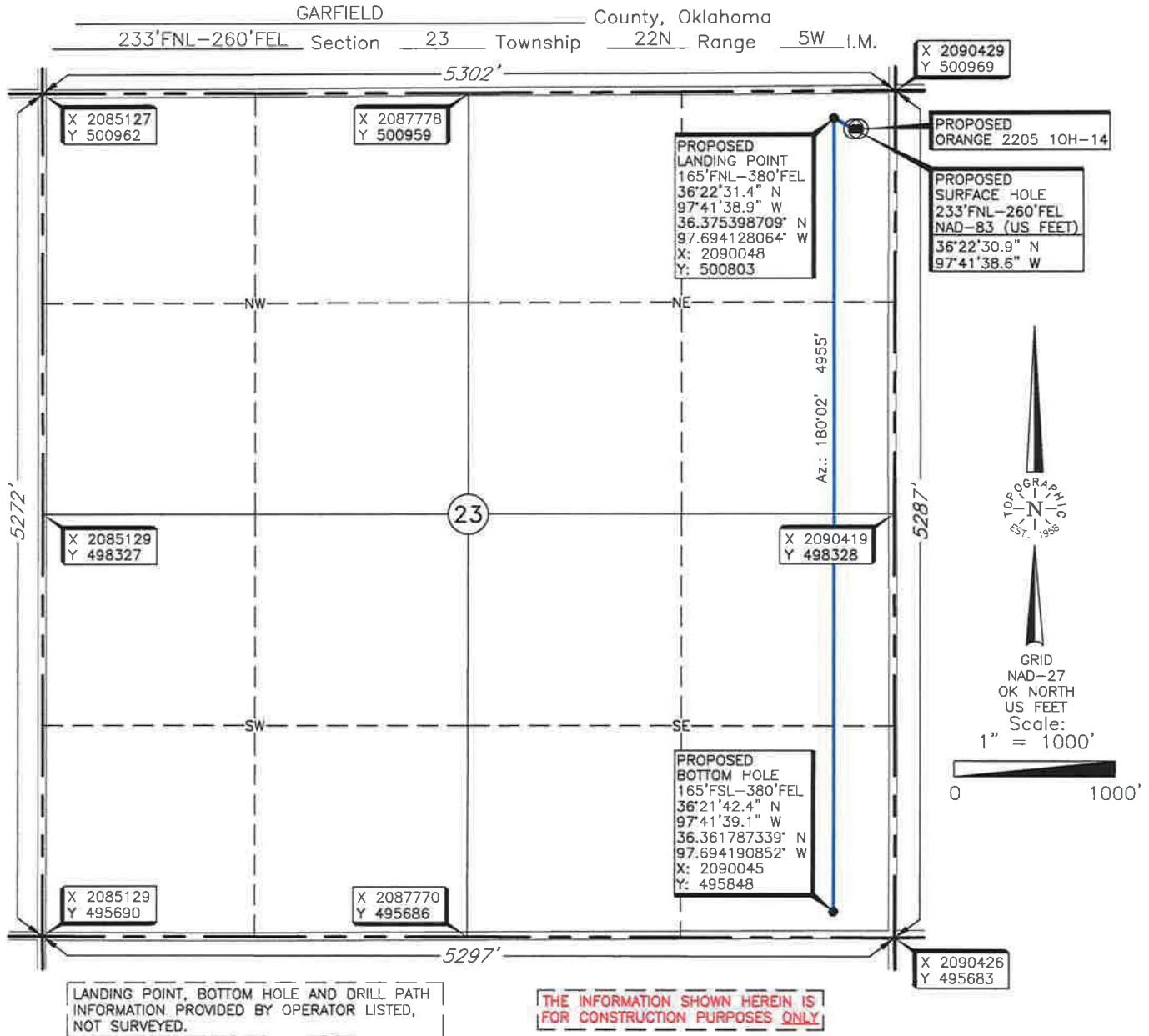
9/14/2018 - G57 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN 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

PENDING CD - 201806010

9/14/2018 - G57 - (640)(HOR) 23-22N-5W
EXT 678979 MSSP
POE TO BHL NCT 660' FB
(COEXIST W/ SP. ORDER 209399 MISS)
REC 8-20-2018 (FOREMAN)

PENDING CD - 201807252

9/14/2018 - G57 - (E.O.) 23-22N-5W
X201806010 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
CHAPARRAL ENERGY, LLC.
REC 9-21-2018 (MILLER)



Operator: CHAPARRAL ENERGY, LLC.
Lease Name: MANGO 2205

Well No.: 10H-23

ELEVATION:

1158' Gr. at Stake (NAVD 88)
1157' Gr. at Stake (NGVD 29)

Topography & Vegetation Location fell in plowed field, ±214' W. of water line & ±259' SE of pipeline

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction From the junction of US Hwy 412/US Hwy 64 & St. Hwy 74/St. Hwy 15, go ±6 miles West
on US Hwy 412/US Hwy 64, then ±1.5 miles South to the Northeast Corner of Section 23, T22N-R5W.

Revision ☒ A Date of Drawing: Sept. 14, 2018

Invoice # 302186 Date Staked: Sept. 7, 2018 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.

Thomas L. Howell
Oklahoma Reg. No. 1433



DATUM: NAD-27
LAT: 36°22'30.8" N
LONG: 97°41'37.4" W
LAT: 36.375211979° N
LONG: 97.693721977° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2090168
Y: 500735

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