

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

API NUMBER: 047 25167 A

Approval Date: 09/05/2018
Expiration Date: 03/05/2019

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 22N Rge: 5W

County: GARFIELD

SPOT LOCATION: SE SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 233 1000

Lease Name: RUGER 2205

Well No: 1MOH-29

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

DEAN HEDGES & LYNETTE HEDGES
2820 PIONEER TRAIL
ENID OK 73701

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6020	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 686457

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806315

Special Orders:

Total Depth: 12000

Ground Elevation: 1145

Surface Casing: 620

Depth to base of Treatable Water-Bearing FM: 370

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: 18-35236

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 29 Twp 22N Rge 5W County GARFIELD

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 5793

Radius of Turn: 800

Direction: 350

Total Length: 4950

Measured Total Depth: 12000

True Vertical Depth: 6200

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

Notes:

Category

Description

HYDRAULIC FRACTURING

9/5/2018 - 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

PENDING CD - 201806315

12/10/2018 - G75 - (I.O.) 29-22N-5W
X686457 MSSP
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO STEPHENS UNIT 2 (API 047-21310)
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL
NO OP. NAMED
REC 8-27-2018 (NORRIS)

SPACING - 686457

12/10/2018 - G75 - (640)(HOR) 29-22N-5W
EXT 674623 MSSP
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 69802/69931 MSSLM)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

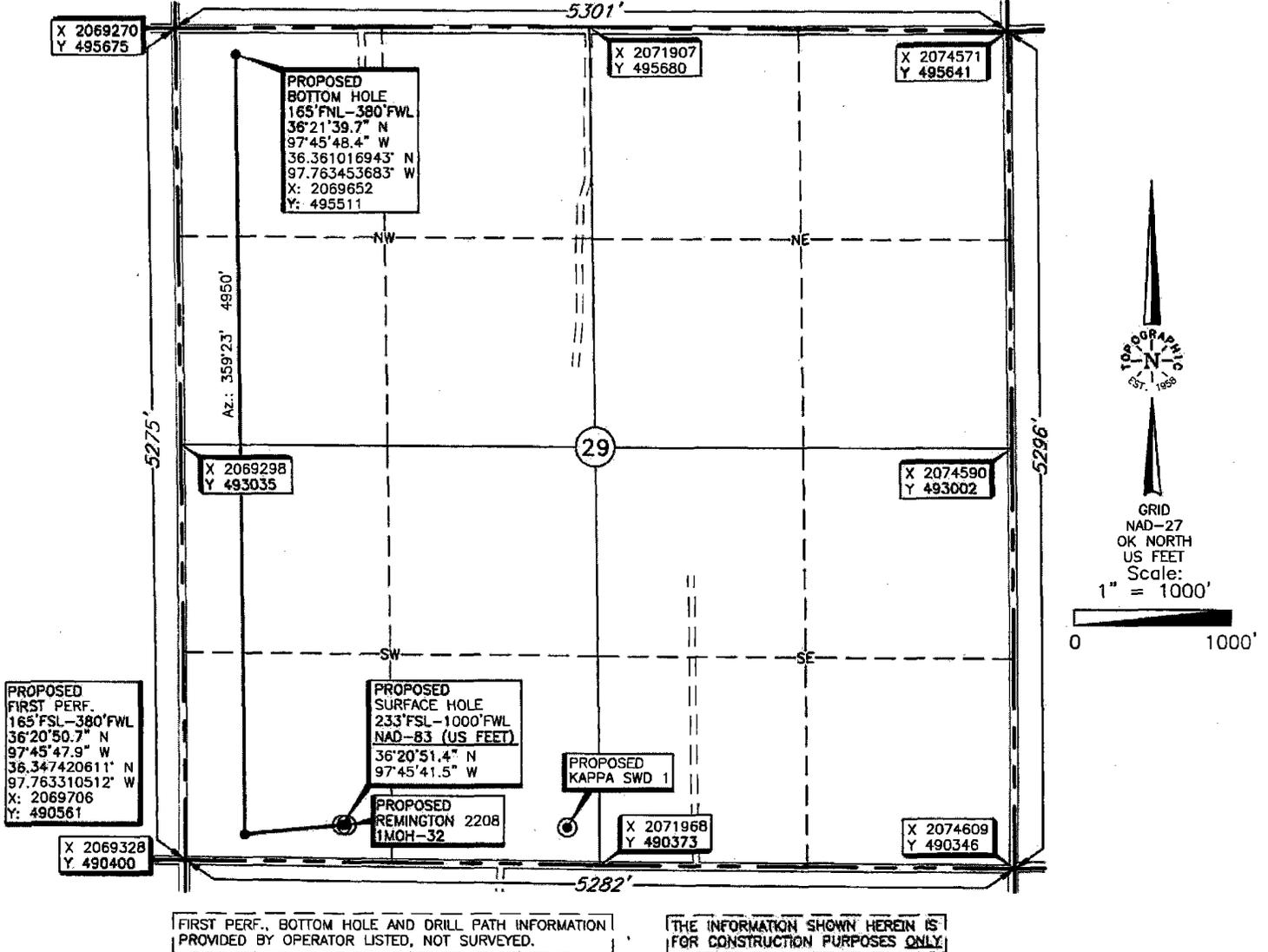
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

API 047-25167 A

GARFIELD

County, Oklahoma

233'FSL-1000'FWL Section 29 Township 22N Range 5W I.M.



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

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

ELEVATION:
1145' Gr. at Stake (NAVD 88)
1145' Gr. at Stake (NGVD 29)

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

Well No.: 1MOH-29

Topography & Vegetation Loc. fell in 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 the junction of US Hwy 412/US Hwy 64 & St. Hwy 74, go ± 10 miles West on US Hwy 412/US Hwy 64, then ± 3 miles South to the Southwest Corner of Section 29, T22N-R5W.

DATUM: NAD-27
 LAT: 36°20'51.3" N
 LONG: 97°45'40.3" W
 LAT: 36.347585520" N
 LONG: 97.761207253" W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2070325
 Y: 490623

Date of Drawing: Nov. 8, 2018
 Invoice # 303086 Date Staked: Jan. 18, 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



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