

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

API NUMBER: 047 25123

Approval Date: 12/28/2017

Expiration Date: 06/28/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: GARFIELD

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 236 610

Lease Name: GLOCK 2205

Well No: 1LMH-15

Well will be 236 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

LINDA MCKNIGHT PICKENS  
3121 WHIPPORWILL LANE  
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706781  
201706782

Special Orders:

Total Depth: 11000

Ground Elevation: 1203

Surface Casing: 640

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

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: 17-33541  
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 15 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: 560

Depth of Deviation: 5432

Radius of Turn: 382

Direction: 358

Total Length: 4967

Measured Total Depth: 11000

True Vertical Depth: 6050

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/19/2017 - 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](http://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](http://FRACFOCUS.ORG)

PENDING CD - 201706781

12/28/2017 - G57 - (I.O.)(640)(HOR) 15-22N-5W  
EXT 645630 MSSP  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER #133037)  
REC 10-31-2017 (MINMIER)

PENDING CD - 201706782

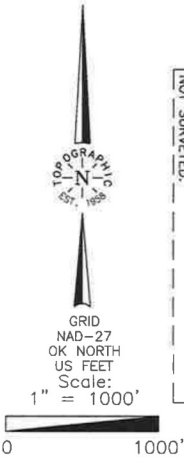
12/28/2017 - G57 - (I.O.) 15-22N-5W  
X201706781 MSSP  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
NO OP. NAMED  
REC 10-31-2017 (MINMIER)

GARFIELD

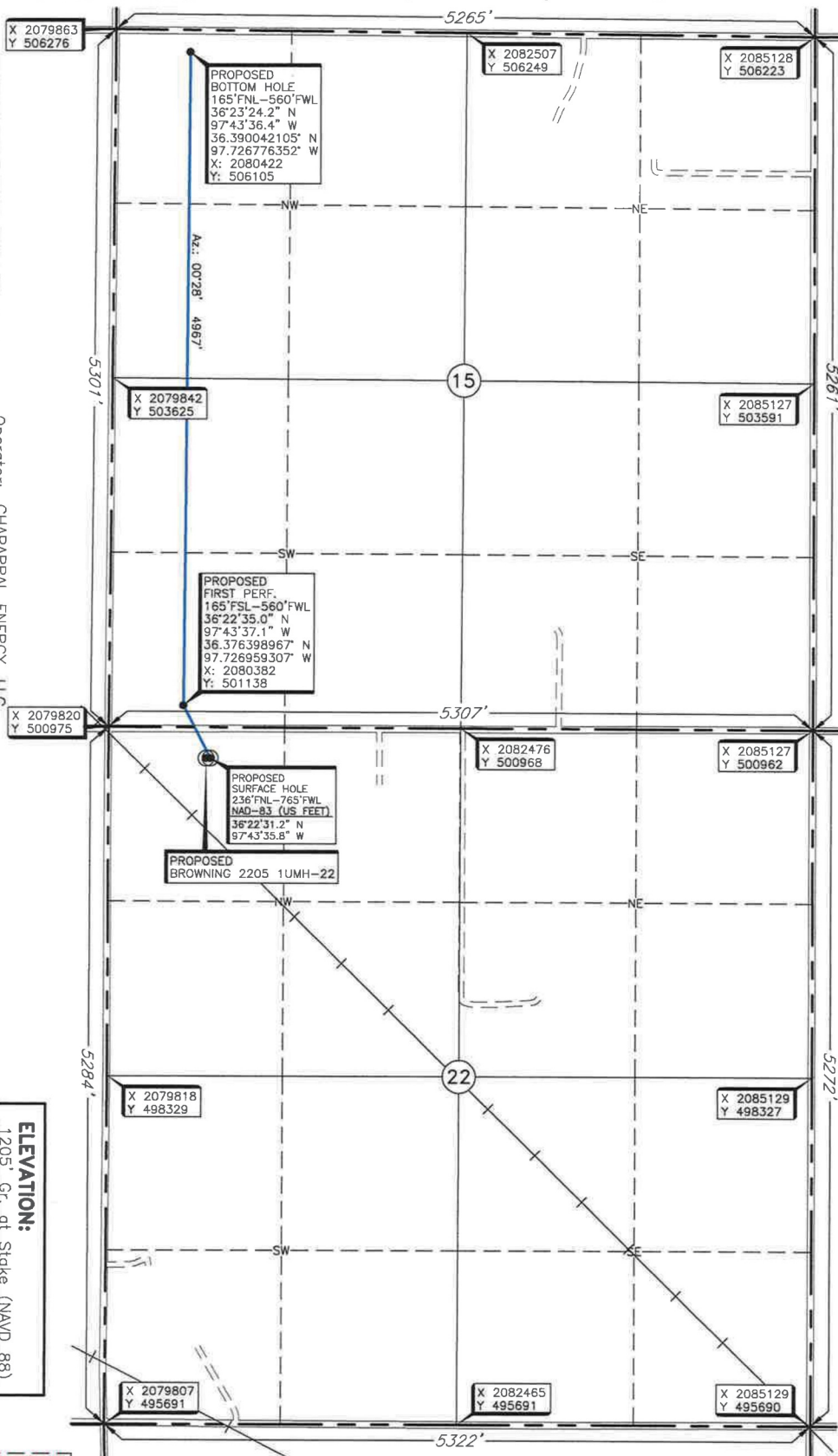
County, Oklahoma

API: 047 25123

236'FNL-765'FWL Section 22 Township 22N Range 5W 1.M.



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



Operator: CHAPARRAL ENERGY, LLC.  
Lease Name: GLOCK 2205  
Topography & Vegetation Loc. fell in plowed wheat field  
Good Drill Site? Yes  
Best Accessibility to Location From North off county road  
Distance & Direction from Hwy Jct or Town From the junction of US Hwy 412/US Hwy 64 & St. Hwy 74, go ± 8 miles West on US Hwy 412/US Hwy 64, then ± 1.5 miles South to the Northwest Corner of Section 22, T22N-R5W.

Reference Stakes or Alternate Location  
Stakes Set None

Well No.: 1LMH-15

ELEVATION:

1205' Gr. at Stake (NAVD 88)  
1204' Gr. at Stake (NGVD 29)

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

DATUM: NAD-27  
LAT: 36°22'31.1" N  
LONG: 97°43'34.6" W  
LAT: 36.375294395° N  
LONG: 97.726272150° W  
STATE PLANE  
COORDINATES (US FEET):  
ZONE: OK NORTH  
X: 2080585  
Y: 500737

Invoice # 285670A Date of Drawing: Dec. 15, 2017  
Date Staked: Dec. 14, 2017 NMB

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 Lic. No. 1433

