

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

API NUMBER: 017 25232

Approval Date: 06/14/2018

Expiration Date: 12/14/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 12N Rge: 7W

County: CANADIAN

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2530 679

Lease Name: HUBBARD 1207

Well No: 1UMHX-21-28

Well will be 679 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

STEVEN JENSEN  
707 SOUTH HOFF  
EL RENO OK 73036

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9570	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802448  
201802446  
201802447  
201802449

Special Orders:

Total Depth: 17500

Ground Elevation: 1349

Surface Casing: 1500

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: 5000 Average: 3000

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: CHICKASHA

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34589

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 21 Twp 12N Rge 7W County CANADIAN

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: 9007

Radius of Turn: 573

Direction: 8

Total Length: 7592

Measured Total Depth: 17500

True Vertical Depth: 9780

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

Additional Surface Owner	Address	City, State, Zip
PETER JENSEN	1000 E. JENSEN ROAD	EL RENO, OK 73036

Notes:

Category

Description

DEEP SURFACE CASING

5/31/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/31/2018 - 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: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.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)

MEMO

5/31/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

017 25232 HUBBARD 1207 1UMHX-21-28

Category	Description
PENDING CD - 201802446	6/4/2018 - G57 - (640)(HOR) 21-12N-7W EXT 661894 MSSP EXT OTHER POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER #147489 MSSP) REC 6-8-2018 (MINMIER)
PENDING CD - 201802447	6/4/2018 - G57 - (640)(HOR) 28-12N-7W EXT 661894 MSSP EXT OTHER POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER #165642 MSSP) REC 6-8-2018 (MINMIER)
PENDING CD - 201802448	6/4/2018 - G57 - (I.O.) 28 & 21-12N-7W EST MULTIUNIT HORIZONTAL WELL X201802446 MSSP 21-12N-7W X201802447 MSSP 28-12N-7W 33% 28-12N-7W 67% 21-12N-7W CHAPARRAL ENERGY LLC. REC 6-8-2018 (MINMIER)
PENDING CD - 201802449	6/4/2018 - G57 - (I.O.) 28 & 21-12N-7W X201802446 MSSP 21-12N-7W X201802447 MSSP 28-12N-7W COMPL. INT. (28-12N-7W) NCT 330' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (21-12N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL CHAPARRAL ENERGY, LLC. REC 6-8-2018 (MINMIER)

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

CANADIAN \_\_\_\_\_ County, Oklahoma

2530'FSL-679'FEL Section 28 Township 12N Range 7W I.M.

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

IB  
|

THOMAS L. HOWELL  
1433  
5-23-18  
OKLAHOMA