

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

API NUMBER: 047 25162 A

Horizontal Hole Oil & Gas

Approval Date: 07/25/2018

Expiration Date: 01/25/2019

Amend reason: CHANGE WELL NAME, UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 21N Rge: 6W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 233 630

Lease Name: KIMBER 2106

Well No: 1M0H-2

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

ROSEMARY K. BREDHOFT TRUST  
708 EAST FOURTH ST  
PANA IL 62557

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6214	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 648678

Location Exception Orders: 681434

Increased Density Orders:

683288

Pending CD Numbers:

Special Orders:

Total Depth: 11521

Ground Elevation: 1103

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 350

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: 18-34506  
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 02 Twp 21N Rge 6W 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: 5734

Radius of Turn: 573

Direction: 359

Total Length: 4887

Measured Total Depth: 11521

True Vertical Depth: 6721

End Point Location from Lease,

Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
BRUCE B. BREDEHOFT	580 HILLWOOD DR	COOKVILLE, TN 38506
ESTATE OF JAMES D. BREDEHOFT	1508 HOECHESTER RD	SPRINGFIELD, IL 62712

## Notes:

### Category

### Description

EXCEPTION TO RULE - 683288

7/25/2018 - G57 - (I.O.) 2-21N-6W  
X165:10-3-28(C)(2)(B) MSSP (KIMBER 2106 1LMH-2) MAY BE CLOSER THAN 600' TO THE  
LICHTENBERG A-1\*\*\*  
CHAPARRAL ENERGY, LLC.  
9/19/2018

\*\*\*BROOKS C-1 WELL WILL BE ADDED BEFORE FINAL ORDER IS ISSUED PER ATTORNEY FOR  
OPERATOR

HYDRAULIC FRACTURING

7/12/2018 - 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; 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 - 681434

7/25/2018 - G57 - (I.O.) 2-21N-6W  
X648678 MSSP  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
CHAPARRAL ENERGY, LLC  
8/14/2018

SPACING - 648678

7/25/2018 - G57 - (640)(HOR) 2-21N-6W  
VAC 59432 MISS E2, E2 SW4  
EST MSSP, OTHER  
POE TO BHL NLT 660' FB  
(COEXIST W/ SP. 59432 MISS W2 NW4, E2 NW4, W2 SW4 )

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Office of the Conservation Division as to when Surface Casing will be run.

047 25162 KIMBER 2106 1M0H-2