

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

API NUMBER: 007 25667 A

Approval Date: 02/20/2014

Expiration Date: 08/20/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 1N Rge: 20ECM County: BEAVER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 1029

Lease Name: LOWERY

Well No: 2H-14

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC

Telephone: 4054264481

OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC  
701 CEDAR LAKE BLVD  
OKLAHOMA CITY, OK 73114-7800

JAY COX & VICKI COX  
PO BOX 623  
PERRYTON TX 79070

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

Name	Depth	Name	Depth
1 MARMATON	6223	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 611080

Location Exception Orders: 621126

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11500

Ground Elevation: 2860

**Surface Casing: 490**

Depth to base of Treatable Water-Bearing FM: 240

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 50000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1A

Liner required for Category: 1A

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. 20-MIL LINER REQUIRED

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 11 Twp 1N Rge 20E County BEAVER

Spot Location of End Point: NE SW SW SW

Feet From: SOUTH 1/4 Section Line: 400

Feet From: WEST 1/4 Section Line: 550

Depth of Deviation: 6223

Radius of Turn: 715

Direction: 360

Total Length: 5518

Measured Total Depth: 12065

True Vertical Depth: 6938

End Point Location from Lease,

Unit, or Property Line: 400

## Notes:

### Category

### Description

LOCATION EXCEPTION - 621126

2/20/2014 - G30 - (I.O.) W2 11 & W2 14-1N-20ECM  
X611080 MRMN  
COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 500 FWL  
CHAPARRAL ENERGY, L.L.C.  
1/31/14

MUNICIPAL WATER WELL/WELLHEAD  
PROTECTION AREA

2/20/2014 - G71 - NATURAL GAS PIPELINE CO - 1 WELL/WPA, NE/4 15-T1N-R20ECM

SPACING - 611080

2/20/2014 - G30 - (640 HOR) W2 11 & W2 14-1N-20ECM  
AMEND 596957 MRMN  
POE TO BHL NLT 660' FB

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007 25667 LOWERY 2H-14