

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

API NUMBER: 045 23198 B

Approval Date: 12/26/2012  
Expiration Date: 06/26/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 20N Rge: 26W County: ELLIS  
SPOT LOCATION:  N2  N2  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 250 1980

Lease Name: LORENE Well No: 4H-1 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

SHELLY MARTIN-DOBBINS  
397 NW SANTA FE LAKE RD.  
TOWANDA KS 67144

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

Name	Depth	Name	Depth
1 CLEVELAND	8100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 250477 Location Exception Orders: 593420 Increased Density Orders: 593360

Pending CD Numbers: Special Orders:

Total Depth: 13700 Ground Elevation: 2383 Surface Casing: 800 Depth to base of Treatable Water-Bearing FM: 550

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: 10000 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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER  
Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 12-19537

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 01 Twp 20N Rge 26W County ELLIS

Spot Location of End Point: C N2 NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 8100

Radius of Turn: 640

Direction: 360

Total Length: 5049

Measured Total Depth: 13700

True Vertical Depth: 8815

End Point Location from Lease,  
Unit, or Property Line: 150

Additional Surface Owner	Address	City, State, Zip
PEGGY MCINTIRE	1404 S. TODD PL.	WICHITA, KS 67207

Notes:

Category	Description
INCREASED DENSITY - 593360	5/11/2012 - G30 - 1-20N-26W X250477 CLVD 3 WELLS CHAPARRAL ENERGY, L.L.C. 1/25/12
LOCATION EXCEPTION - 593420	5/11/2012 - G30 - (I.O.) 1-20N-26W X250477 CLVD SHL NCT 250 FNL, NCT 250 FEL 12-20N-26W COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 1320 FEL** 100' TOLERANCE EAST AND WEST OF LATERAL** CHAPARRAL ENERGY, L.L.C. 1/26/12  **COMP. INT. AS DEFINED BY SHL & BHL ON ITD NOT WITHIN EAST-WEST TOLERANCE DISTANCE; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER OPERATOR
MEMO	5/10/2012 - G30 - PIT 1 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER; PIT 2 - CLOSED SYSTEM=STEEL PITS (PER OPERATOR OPTION), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 250477	5/11/2012 - G30 - (640) 1-20N-26W EXT 122784/206557 CLVD, OTHERS

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