

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

API NUMBER: 045 23288

Approval Date: 12/14/2012
Expiration Date: 06/14/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 20N Rge: 26W County: ELLIS
SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 610

Lease Name: LORENE Well No: 5H-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

RALPH C. EHRLICH AND CHARLOTTE A. EHRLICH
4609 S. LACLEDE ST.
WICHITA KS 67217

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: 604799 Increased Density Orders: 604797
593250 593360

Pending CD Numbers:

Special Orders:

Total Depth: 13700 Ground Elevation: 2347 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 570

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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: OGALLALA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 12-19538
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: E2 NW NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 610

Depth of Deviation: 8074

Radius of Turn: 640

Direction: 360

Total Length: 4874

Measured Total Depth: 13700

True Vertical Depth: 8789

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	12/13/2012 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 593360	12/14/2012 - G30 - 1-20N-26W X250477 CLVD 3 WELLS CHAPARRAL ENERGY, L.L.C. 1/25/12
INCREASED DENSITY - 604797	12/14/2012 - G30 - EXTEND ORDER # 593360 TO 1/25/14
LOCATION EXCEPTION - 593250	12/14/2012 - G30 - (I.O.) 1-20N-26W X250477 CLVD SHL NCT 250 FNL, NCT 250 FWL 12-20N-26W COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 500 FWL 1-20N-26W CHAPARRAL ENERGY, L.L.C. 1/23/12
LOCATION EXCEPTION - 604799	12/14/2012 - G30 - EXTEND INTERIM LOCATION EXCEPTION ORDER #593250 AN ADDITIONAL ONE YEAR UNTIL 1/23/14
MEMO	12/13/2012 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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Category

Description

SPACING - 250477

12/14/2012 - G30 - (640) 1-20N-26W
EXT 122784/206557 CLVD, OTHERS

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