

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

API NUMBER: 047 24932

Approval Date: 09/16/2014
Expiration Date: 03/16/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 20N Rge: 7W

County: GARFIELD

SPOT LOCATION: NW NW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 200 240

Lease Name: TROJAN 2007

Well No: 1WH-2

Well will be 200 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

HENRY GUNGOLL PROPERTIES, LLC
2208 WEST WILLOW
ENID OK 73703

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

Name	Depth	Name	Depth
1 WOODFORD	7525	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 628613

Location Exception Orders: 629317

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12122

Ground Elevation: 1200

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 420

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: BISON

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

PERMIT NO: 14-28111

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 20N Rge 7W County GARFIELD

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 7025

Radius of Turn: 360

Direction: 1

Total Length: 4531

Measured Total Depth: 12122

True Vertical Depth: 8240

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

Notes:

Category	Description
DEEP SURFACE CASING	9/16/2014 - G76 - 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
LOCATION EXCEPTION - 629317	9/16/2014 - G91 - (I.O.) 2-20N-7W X 628613 WDFD, OTHER FIRST PERF NCT 165 FNL, NCT 560 FWL** LAST PERF NCT 165 FSL, NCT 560 FWL** CHAPARRAL ENERGY, LLC. 8-18-2014 ** TO BE CORRECTED TO 330 FWL IN FINAL ORDER PER OPERATOR**
SPACING - 628613	9/16/2014 - G91 - (640) 2-20N-7W VAC VARIOUS OTHERS EST WDFD, OTHERS

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