

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

API NUMBER: 093 25000

Approval Date: 12/15/2014  
Expiration Date: 06/15/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 22N Rge: 9W

County: MAJOR

SPOT LOCATION:  NE  NE  NW  NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 1145

Lease Name: WOLF 2209

Well No: 10H-20

Well will be 250 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

OLIVE L. TRAYLOR REVOCABLE TRUST  
1318 PONCA AVENUE  
ENID OK 73703

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

Name	Depth	Name	Depth
1 OSWEGO	6310	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 633300

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407282

Special Orders:

Total Depth: 11110

Ground Elevation: 1323

**Surface Casing: 640**

Depth to base of Treatable Water-Bearing FM: 390

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: 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? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1A

Liner required for Category: 1A

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. 20-MIL PIT 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 20 Twp 22N Rge 9W County MAJOR

Spot Location of End Point: C S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 5910

Radius of Turn: 216

Direction: 179

Total Length: 4850

Measured Total Depth: 11110

True Vertical Depth: 7025

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

Notes:

Category	Description
PENDING CD - 201407282	12/15/2014 - G91 - 20-22N-9W X633300 OSWG COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 660 FWL NO OP. NAMED REC. 10-27-2014 (N.STUCK)
SPACING - 633300	12/15/2014 - G91 - (640)(HOR) 20-22N-9W VAC 136780 OSWG, OTHERS LESS E2 NW4 EST OSWG, OTHER POE TO BHL NCT 660' FB
WELLHEAD PROTECTION AREA	12/15/2014 - G71 - MENO - 1 WPA, NE/4 17-22N-9W