

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

API NUMBER: 153 23561

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

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 21N Rge: 21W County: WOODWARD
SPOT LOCATION: SW NE SE NW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 840 2015

Lease Name: TWF Well No: 29-22 Well will be 844 feet from nearest unit or lease boundary.
Operator Name: ROCK CREEK RESOURCES LLC Telephone: 3033822169 OTC/OCC Number: 23086 0

ROCK CREEK RESOURCES LLC
700 17TH ST STE 1300
DENVER, CO 80202-3550

CALVIN WHITE
46005 S. COUNTY RD. 202
WOODWARD OK 73801

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	7518	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 472351

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 7800 Ground Elevation: 2362 **Surface Casing: 840** Depth to base of Treatable Water-Bearing FM: 590

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

PIT 1 INFORMATION

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? Y

Wellhead Protection Area? Y

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28270
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

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.

153 23561 TWF 29-22

Category	Description
FRAC FOCUS	9/9/2014 - G76 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
MUNICIPAL WATER WELL/WELL HEAD PROTECTION AREA	9/9/2014 - G76 - WOODWARD WELLS - 4 WELLS - SW/4 19-21N-21W; E/2 30-21N-21W; NE/4 31-21N-21W
SPACING - 472351	9/9/2014 - G91 - (UNIT) 29-21N-21W LESS NW4 NW4 EST TANGIER WATERFLOOD UNIT FOR CGGV

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