API NUMBER: 153 23545

Oil & Gas

Straight Hole

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

Approval Date: 07/11/2013 Expiration Date: 01/11/2014

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 21N Rge: 21W	County: WOO	DDWARD				
SPOT LOCATION: NW SE NW SW FEET FRO	M QUARTER: FROM	SOUTH FROM	WEST			
SECTION	LINES:	1900	865			
Lease Name: TWF	Well No:	29-1		Well will be	865 feet from nearest	unit or lease boundary.
Operator ROCK CREEK RESOURCES LLC Name:		Telephone:	3032999097	C	TC/OCC Number:	23086 0
ROCK CREEK RESOURCES LLC 700 17TH ST STE 1300				BENNET, TRU	STEE	
DENVER, CO 80202		PO BOX		1/0 07/		
			ELKHAR'	Г	KS 679	950
Name  1 COTTAGE GROVE 2 3 4 5  Spacing Orders: 472351	Depth 7518  Location Exception		Name 6 7 8 9	Incre	Depth  assed Density Orders:	
Pending CD Numbers:					cial Orders:	
retiding CD Numbers.				Эрес	dai Orders.	
Total Depth: 7800 Ground Elevation: 2307	Surface	Casing: 850		Depth to	base of Treatable Water-B	earing FM: 620
Under Federal Jurisdiction: No	Fresh Wate	r Supply Well Drille	d: No		Surface Water use	d to Drill: No
PIT 1 INFORMATION		A	Approved Method for	disposal of Drilling I	Fluids:	
Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000	v		D. One time land application (REQUIRES PERMIT) PERMIT NO: 13-2: H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION			PERMIT NO: 13-2381
Is depth to top of ground water greater than 10ft below base of pit?  Within 1 mile of municipal water well? Y  Wellhead Protection Area? Y  Pit is located in a Hydrologically Sensitive Area.	Y					
Category of Pit: C						
Liner not required for Category: C						

Notes:

Pit Location is BED AQUIFER Pit Location Formation:

OGALLALA

Category Description

MUNICIPAL WATER WELLS/WELLHEAD PROTECTION AREAS

7/11/2013 - G71 - WOODWARD - 3 WELLS, E2 30-21N-21W & NE/4 31-21N-21W

**SPACING - 472351** 

7/11/2013 - G30 - (UNIT) 29-21N-21W LESS NW4 NW4 EST TANGIER WATERFLOOD UNIT FOR CGGV