

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

API NUMBER: 103 24696

Approval Date: 12/17/2014
Expiration Date: 06/17/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 22N Rge: 1E

County: NOBLE

SPOT LOCATION: C S2 SW NW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 330 660

Lease Name: R & D

Well No: 1-13

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: ENDEAVOR PRODUCTION LLC

Telephone: 5805549894

OTC/OCC Number: 23260 0

ENDEAVOR PRODUCTION LLC
PO BOX 160
CLEO SPRINGS, OK 73729-0160

DAVID BEIER
BOX 173
RED ROCK OK 74651

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

Name	Depth	Name	Depth
1 PERRY	2900	6 WOODFORD	4750
2 LAYTON	3400	7 WILCOX	4800
3 OSWEGO	4000	8 ARBUCKLE	5500
4 RED FORK	4250	9	
5 MISSISSIPPI	4500	10	

Spacing Orders: 126278
607633

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5500

Ground Elevation: 0

Surface Casing: 120

Depth to base of Treatable Water-Bearing FM: 70

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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.

Category	Description
FRAC FOCUS	12/17/2014 - G71 - 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
SPACING	12/17/2014 - G91 - REDFORK, WOODFORD, AND ARBUCKLE FORMATIONS UNSPACED; 40-ACRE LEASE (SW4 NW4)
SPACING - 126278	12/17/2014 - G91 - (20/40) 13-22N-1E LESS W2 SW4 LD NE/SW EST (20) PRRY, LYTN (VAC BY 607633) EST (40) OSWG, MISS, WLCX
SPACING - 607633	12/17/2014 - G91 - (40) SW4 NW4 13-22N-1E EST PRRY, LYTN, OTHER VAC 126278 PRRY, LYTN SW4 NW4

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