

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

API NUMBER: 049 25161 A

Approval Date: 10/13/2017

Expiration Date: 04/13/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 2N Rge: 2W

County: GARVIN

SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 275 510

Lease Name: COLWELL

Well No: 1-31-30LWH

Well will be 275 feet from nearest unit or lease boundary.

Operator Name: RIMROCK RESOURCE OPERATING LLC

Telephone: 9183014700

OTC/OCC Number: 23802 0

RIMROCK RESOURCE OPERATING LLC  
20 E 5TH ST STE 1300  
TULSA, OK 74103-4462

DEWAYNE & MARGARET COLWELL  
837 SHIRLEY NE  
ALBUQUERQUE NM 87123

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

Name	Depth	Name	Depth
1 WOODFORD	9200	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 666230  
657607

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700404  
201700406

Special Orders:

Total Depth: 15600

Ground Elevation: 1010

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 990

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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

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

PERMIT NO: 17-33242

Chlorides Max: 5000 Average: 3000

H. SEE MEMO

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: GARBER

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: GARBER

HORIZONTAL HOLE 1

Sec 30 Twp 2N Rge 2W County GARVIN

Spot Location of End Point: SE SW NW SW

Feet From: SOUTH 1/4 Section Line: 1500

Feet From: WEST 1/4 Section Line: 440

Depth of Deviation: 8900

Radius of Turn: 414

Direction: 359

Total Length: 6050

Measured Total Depth: 15600

True Vertical Depth: 9200

End Point Location from Lease,

Unit, or Property Line: 440

Notes:

Category

Description

DEEP SURFACE CASING

10/4/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/4/2017 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

MEMO

10/4/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201700404

10/13/2017 - G60 - (I.O.) 30 & 31-2N-2W  
EST MULTIUNIT HORIZONTAL WELL  
X657607 WDFD 30-2N-2W  
X201700947 WDFD 31-2N-2W  
25% 30-2N-2W  
75% 31-2N-2W  
NO OP. NAMED  
REC. 5/2/17 (P. PORTER)

This permit does not address the right of entry or settlement of surface damages.

049 25161 COLWELL 1-31-30LWH

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
PENDING CD - 201700406	10/13/2017 - G60 - (I.O.) 30 & 31-2N-2W X657607 WDFD 30-2N-2W X666230 WDFD 31-2N-2W COMPL. INT. (31-2N-2W) NCT 200' FSL, NCT 0' FNL, NCT 400' FWL COMPL. INT. (30-2N-2W) NCT 0' FSL, NCT 2640' FNL, NCT 400' FWL NO OP. NAMED REC. 5/2/17 (P. PORTER)
SPACING - 657607	10/13/2017 - G60 - (640)(HOR) 30-2N-2W EXT 647469 WDFD, OTHERS COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP. ORDER 277687 WDFD)
SPACING - 666230	10/13/2017 - G60 - (640)(HOR) 31-2N-2W EST WDFD, OTHERS COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL