## API NUMBER: 049 25161 A

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

Approval Date:	10/13/2017	
Expiration Date:	04/13/2018	

Horizontal Hole

Oil & Gas

Amend reason: CHANGE WELL NUMBER

Category of Pit: C

Liner not required for Category: C
Pit Location is BED AQUIFER
Pit Location Formation: GARBER

AMEND PERMIT TO DRILL

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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 5 10  sacing Orders: 666230 Location Exception Orders: Increased Density Orders: Increased Density Orders:  Increased Density 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 Approved Method for disposal of Drilling Fluids: Yes Off Information Water greater than 1016 below base of pit? Yes Matter Supply Well Drilled: No REQUIRES PERMIT) PERMIT NO: 17-33; depth to top of ground water greater than 1016 below base of pit? Yes	Lease Name: COLWELL	Well No: 1	I-31-30LWH		Well will be 275 feet from near	est unit or lease boundary.	
DEWAYNE & MARGARET COLWELL 837 SHIRLEY NE ALBUQUERQUE NM 87123  Formation(s) (Permit Valid for Listed Formations Only):    Name		c	Telephone: 91830	014700	OTC/OCC Number:	23802 0	
TULSA, OK 74103-4462  B37 SHIRLEY NE ALBUQUERQUE NM 87123  Ormation(s) (Permit Valid for Listed Formations Only):  Name Depth Name Depth  1 WOODFORD 9200 6 2 7 3 8 4 9 5 10  Bacing Orders: 666230 Location Exception Orders: Increased Density Orders: Increased Density Orders: Special Orders: Special Orders: Personal Orders: Special Or	RIMROCK RESOURCE OPERATING LLC	unteren in deret treatment en		DEMANA	IF & MADOADET COLVAÇA		
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Adding CD Numbers: 201700404 201700406  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  T 1 INFORMATION Approved Method for disposal of Drilling Fluids:  D. One time land application (REQUIRES PERMIT) PERMIT NO: 17-33; alorides Max: 5000 Average: 3000  depth to top of ground water greater than 10ft below base of pit? Y	5		10				
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depth to top of ground water greater than 10ft below base of pit? Y					PROGRAM (NEGOTINES PERIVIT)	PERMIT NO. 17-332	
		pit? Y				я	
	is located in a Hydrologically Sensitive Area.						

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

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

**MEMO** 

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:

OCCEWEB.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

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. 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.

049 25161 COLWELL 1-31-30LWH

Category

Description

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

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.