

API NUMBER: 049 25164 A

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

Approval Date: 11/20/2017

Expiration Date: 05/20/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 1N Rge: 2W County: GARVIN

SPOT LOCATION: ☐ NW ☐ NW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1200 2400

Lease Name: LINDSEY

Well No: 1-03-34LWH

Well will be 1200 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

GUY TURNER
319 NW 19TH STREET
OKLAHOMA CITY OK 73103

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

	Name	Depth	Name	Depth
1	WOODFORD	9035	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 658660
670032

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706553
201706554

Special Orders:

Total Depth: 18300

Ground Elevation: 985

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 750

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

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

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

PERMIT NO: 17-33432

H. SEE MEMO

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 34 Twp 2N Rge 2W County GARVIN

Spot Location of End Point: N2 NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2310

Depth of Deviation: 8521

Radius of Turn: 750

Direction: 3

Total Length: 8601

Measured Total Depth: 18300

True Vertical Depth: 9035

End Point Location from Lease,
Unit, or Property Line: 165

Additional Surface Owner

WILLIAM H. NEWLIN

ANN & MARVIN GROVES

Address

2801 1/2 KIMBERLEA DRIVE

1522 PRIMROSE LANE

City, State, Zip

MUSKOGEE, OK 74403

WICHITA FALLS, TX 76302

Notes:

Category

Description

DEEP SURFACE CASING

11/13/2017 - 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

11/13/2017 - 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; 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

MEMO

11/13/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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 25164 LINDSEY 1-03-34LWH

Category	Description
PENDING CD - 201706553	11/15/2017 - G57 - (I.O.) 3-1N-2W & 34-2N-2W EST MULTIUNIT HORIZONTAL WELL X658660 WDFD, OTHERS 3-1N-2W X670032 WDFD, OTHERS 34-2N-2W 50% 3-1N-2W 50% 34-2N-2W NO OP. NAMED REC 10/23/2017 (JOHNSON)
PENDING CD - 201706554	11/15/2017 - G57 - (I.O.) 3-1N-2W & 34-2N-2W X658660 WDFD, OTHERS 3-1N-2W X670032 WDFD, OTHERS 34-2N-2W COMPL. INT. (3-1N-2W) NCT 1800' FSL, NCT 0' FNL, NCT 2310' FEL COMPL. INT. (34-2N-2W) NCT 0' FSL, NCT 165' FNL, NCT 2310' FEL NO OP. NAMED REC 10/23/2017 (JOHNSON)
SPACING - 658660	11/15/2017 - G57 - (640)(HOR) 3-1N-2W EST WDFD, OTHERS COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 670032	11/15/2017 - G57 - (640)(HOR) 34-2N-2W EXT 660811 WDFD, OTHERS COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL & FWL
WATERSHED STRUCTURE	11/13/2017 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-7233 PRIOR TO DRILLING