

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

API NUMBER: 087 22099 A

Approval Date: 12/28/2017  
Expiration Date: 06/28/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 5N Rge: 3W County: MCCLAIN  
SPOT LOCATION: ☐ SE ☐ SW ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 1260 355

Lease Name: MALOPOLSKI

Well No: 1-36-01UWH

Well will be 355 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

HARRISON INVESTMENTS CO. #1 & #2  
P.O. BOX 336  
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	WOODFORD	8500	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 661268  
665897  
666706

Location Exception Orders: 666515  
663107

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17800

Ground Elevation: 961

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 270

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 17-33624

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 01 Twp 4N Rge 4W County GARVIN

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1050

Depth of Deviation: 8077

Radius of Turn: 750

Direction: 185

Total Length: 8545

Measured Total Depth: 17800

True Vertical Depth: 8590

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

12/14/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

12/14/2017 - 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](http://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](http://FRACFOCUS.ORG)

LOCATION EXCEPTION - 663107

12/28/2017 - G57 - (I.O.) 1-4N-4W  
X165:10-3-28(C)(2)(B) WDFD (MALOPOLSKI 1-36-01WHB)  
MAY BE CLOSER THAN 600' TO MARTIN-ROSE #1 (MARTIN 1) & C.B. FRANKENBERG 1  
RIMROCK RESOURCE PARTNERS, LLC.  
4-25-2017

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

087 22099 MALOPOLSKI 1-36-01UWH

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
LOCATION EXCEPTION - 666515	12/22/2017 - G57 - (I.O.) 36-5N-4W & 1-4N-4W X661268 WDFD 36-5N-4W X665897 WDFD 1-4N-4W COMPL. INT. (36-5N-4W) NCT 1820' FNL, NCT 0' FSL, NCT 400' FEL COMPL. INT. (1-4N-4W) NCT 0' FNL, NCT 165' FSL, NCT 400' FEL RIMROCK RESOURCE OPERATING, LLC. 8-2-2017
MEMO	12/14/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 661268	12/22/2017 - G57 - (640)(HOR) 36-5N-4W EST WDFD, OTHERS POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER #398977, #626172, #617083, #624334)
SPACING - 665897	12/22/2017 - G57 - (640)(HOR) 1-4N-4W EST WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #340581, #386497, #437035, #457547, #585119)
SPACING - 666706	12/22/2017 - G57 - (I.O.) 36-5N-4W & 1-4N-4W EST MULTIUNIT HORIZONTAL WELL X661268 WDFD 36-5N-4W X665897 WDFD 1-4N-4W 40% 36-5N-4W 60% 1-4N-4W RIMROCK RESOURCE OPERATING, LLC. 8-7-2017
SURFACE CASING	12/14/2017 - G71 - MIN. 400' PER ORDER # 20066
WATERSHED STRUCTURE	12/14/2017 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 527-3452 PRIOR TO DRILLING

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.