

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

API NUMBER: 049 25184

Approval Date: 02/06/2018

Expiration Date: 08/06/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 3N Rge: 4W

County: GARVIN

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 222 230

Lease Name: BALUCHI

Well No: 1-13MH

Well will be 222 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

WILLOW HOLLOW, LLC
13741 E. COUNTY ROAD, 1603
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 660070

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800576

Special Orders:

Total Depth: 17200

Ground Elevation: 1064

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 280

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

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

PERMIT NO: 18-33864

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 13 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1250

Depth of Deviation: 11071

Radius of Turn: 750

Direction: 350

Total Length: 4951

Measured Total Depth: 17200

True Vertical Depth: 11800

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

Notes:

Category

Description

DEEP SURFACE CASING

1/30/2018 - 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

1/30/2018 - 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

MEMO

1/30/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201800576

2/2/2018 - G58 - (I.O.) 13-3N-4W
X660070 MSSP
COMPL.INT. NCT 200' FSL, NCT 165' FNL, NCT 1250' FEL
NO OP. NAMED
REC 2/5/2018 (JOHNSON)

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.

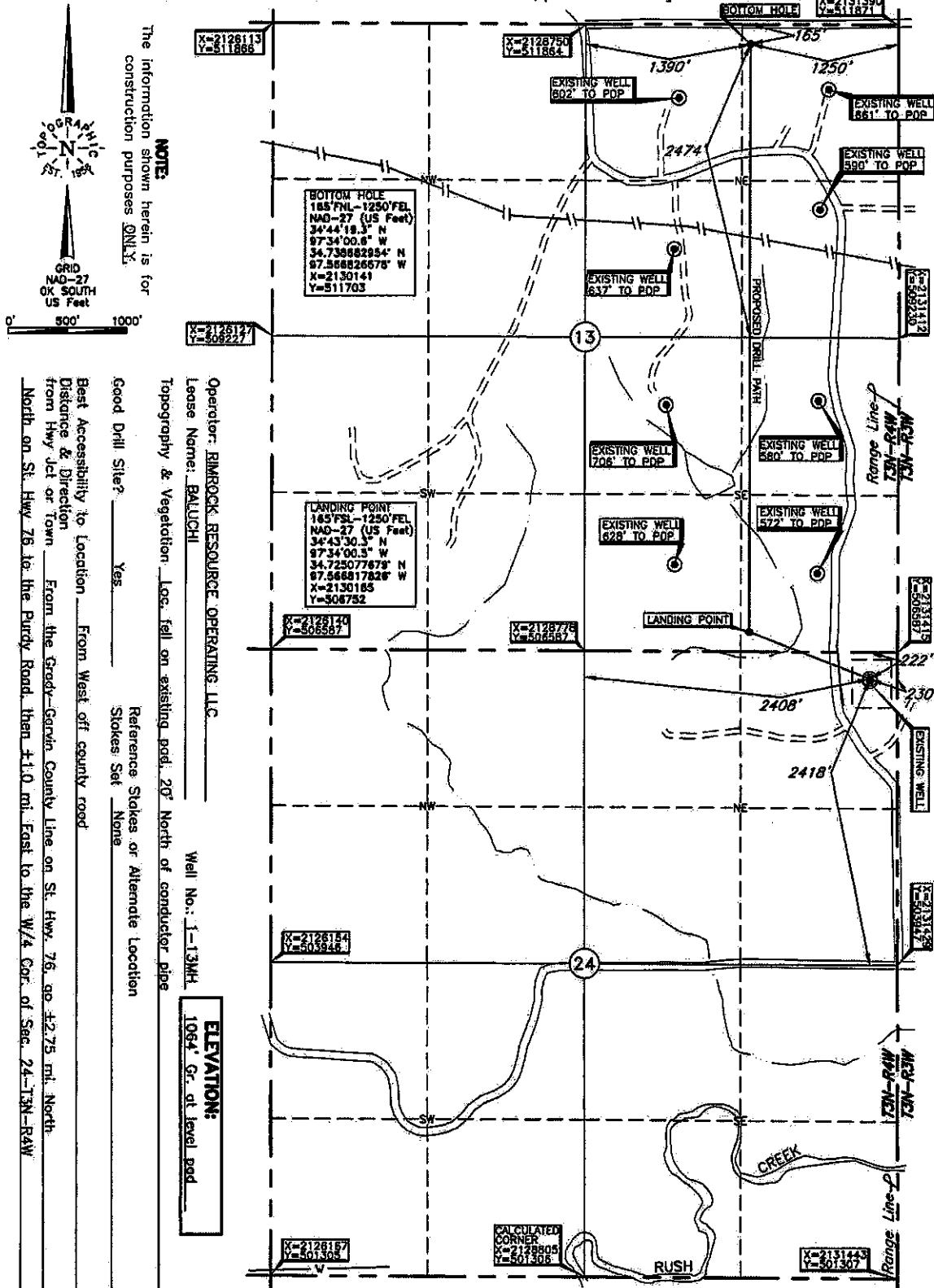
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

049 25184 BALUCHI 1-13MH

Category	Description
SPACING - 660070	2/2/2018 - G58 - (640)(HOR) 13-3N-4W EST MSSP, OTHERS COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 383823 SCMR)

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.

222° FNL - 230° FEL Section 24 Township 3N Range 4W I.M.



NOTE:
 The information shown herein is for construction purposes ONLY.

Operator: RIMROCK RESOURCE OPERATING, LLC
 Lease Name: BALUCHI
 Topography & Vegetation: Loc. fall on existing pad, 20' North of conductor pipe
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From West off county road
 Distance & Direction from Hwy jet or Town: From the Grady-Garvin County Line on St. Hwy. 76, go ±2.75 mi. North North on St. Hwy 76 to the Purdy Road, then ±1.0 mi. East to the W/4 Cor. of Sec. 24-T3N-R4W

Well No.: 1-13MH
ELEVATION:
 1064' Gr. at level pad

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Revision ☒ A Date of Drawing: Jan. 15, 2018
 Invoice # 283924 Date Staked: Nov. 10, 2017

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Lic. No. 1433

DATUM: NAD-27
 LAT: 34°43'26.4"N
 LONG: 97°33'48.3"W
 LAT: 34.724002578° N
 LONG: 97.563422930° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2131187
 Y: 506365

