API NUMBER: 049 25192

Horizontal Hole Oil & Gas

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

Approval Date: 04/17/2018
Expiration Date: 10/17/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 2N Rge: 2W County: GARVIN

SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**
SECTION LINES: **300** **850**

Lease Name: BULLARD **Well No: 1-18-07UWH** **Well will be 300 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

NOLAN F. BULLARD
24438 NORTH COUNTY ROAD, 3120
ELMORE CITY OK 73433

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

	Name	Depth		Name	Depth
1	WOODFORD	8050	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 658643, 666411, 671880

Location Exception Orders: 668716

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15800 Ground Elevation: 986 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 650

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

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: WELLINGTON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34315
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: WELLINGTON

HORIZONTAL HOLE 1

Sec 07 Twp 2N Rge 2W County GARVIN

Spot Location of End Point: S2 S2 S2 NE

Feet From: NORTH 1/4 Section Line: 2330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 7013

Radius of Turn: 477

Direction: 355

Total Length: 7500

Measured Total Depth: 15800

True Vertical Depth: 8050

End Point Location from Lease,
Unit, or Property Line: 1320

Notes:

Category	Description
DEEP SURFACE CASING	4/13/2018 - 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	4/13/2018 - 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
LOCATION EXCEPTION - 668716	4/17/2018 - G58 - (I.O.) 7 & 18-2N-2W X658643 WDFD (7-2N-2W) X666477 WDFD (18-2N-2W) COMPL. INT. (7-2N-2W) NCT 0' FNL, NCT 165' FSL, NCT 1300' FEL COMPL. INT. (18-2N-2W) NCT 0' FSL, NCT 2300' FNL, NCT 1300' FEL RIMROCK RESOURCE OPERATING, LLC 10/2/2017
MEMO	4/13/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

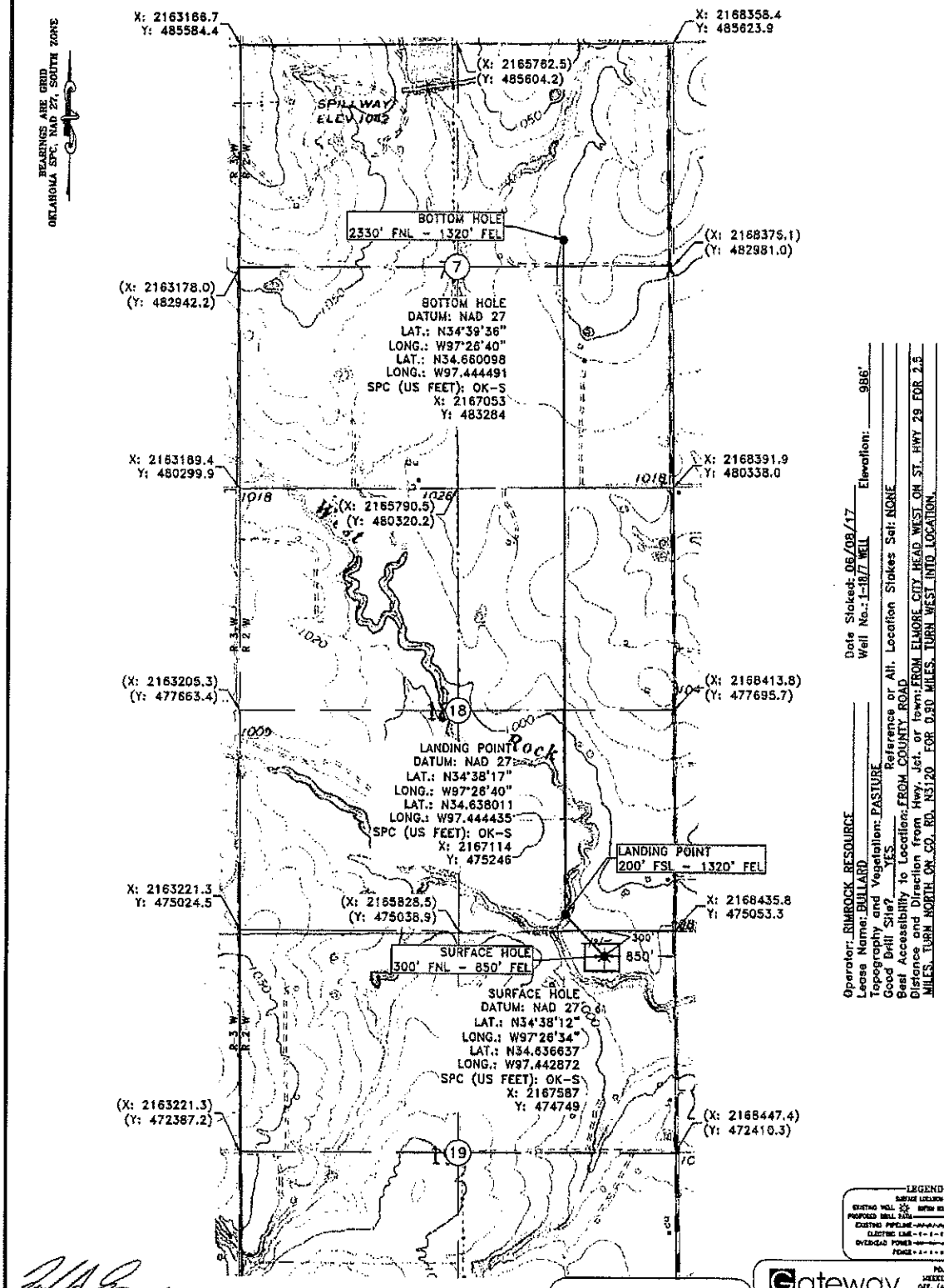
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
SPACING - 658643	4/17/2018 - G58 - (640)(HOR) 7-2N-2W EST WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 267272, OTHERS; SP. ORDER 286178, OTHERS; SP. ORDER 202231, OTHERS)
SPACING - 666477	4/17/2018 - G58 - (640)(HOR) 18-2N-2W EXT 658643 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 267272, OTHERS; SP. ORDER 202231, OTHERS)
SPACING - 671880	4/17/2018 - G58 - (I.O.) 7 & 18-2N-2W EST MULTIUNIT HORIZONTAL WELL X658643 WDFD (7-2N-2W) X666477 WDFD (18-2N-2W) 36.6% 7-2N-2W 63.4% 18-2N-2W RIMROCK RESOURCE OPERATING, LLC 1/5/2018

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.

049-25192

SECTIONS 7, 18 & 19, T 2 N – R 2 W, I.M., GARVIN COUNTY, OKLAHOMA



Operator: RIMROCK RESOURCE
Lease Name: BULLARD
Topography and Vegetation: PASTURE
Good Drill Site? YES
Best Accessibility to Location: FROM COUNTY ROAD
Distance and Direction from Hwy, Jct. or town: FROM ELMORE CITY HEAD WEST ON ST. HWY 29 FOR 2.5 MILES, TURN NORTH ON CO. RD. N3120 FOR 0.90 MILES, TURN WEST INTO LOCATION.

Date Staked: 06/08/17
Well No.: 1-18/7 WELL
Elevation: 986'
Reference or Alt. Location Stakes Set: NONE

LEGEND
SURFACE LOCATION
EXISTING WELL
PROPOSED WELL
EXISTING PIPELINE
ELECTRIC LINE
OVERHEAD POWER
POWER

6-16-2017
FRED ANTHONY SELENSKY
OKLAHOMA L.P.L.S. NO.: 1860

NOTE:
This is a plot of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.

Know what's below. Call before you dig.

LICENSED PROFESSIONAL LAND SURVEYOR
FRED ANTHONY SELENSKY
6-16-2017
1860
OKLAHOMA

Gateway
Gateway Services Group, LLC
P.O. BOX 550
SEEKER, OK 74858
OFF. (405) 273-0854
FAX. (405) 273-0560
C.A. NO. 6081 (LS)
EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY
RIMROCK RESOURCE OPERATING LLC.
BULLARD 1-18/7 WELL
300' FNL – 850' FEL
SECTIONS 7, 18 & 19 T 2 N – R 2 W, I.M.
GARVIN COUNTY, OKLAHOMA

DRAWN BY: CLC | DATE: 06/13/17 | CHK'D: SDW
GATEWAY NO.: 17-0191-001 | SCALE: 1"=1200'
PAD #: | WELL #:

REV.	DWN	DESCRIPTION	DATE