

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

API NUMBER: 017 25394

Approval Date: 02/22/2019

Expiration Date: 08/22/2020

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 13N Rge: 5W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 235 2184

Lease Name: RUSSELL 1305

Well No: 4-31MH

Well will be 235 feet from nearest unit or lease boundary.

Operator Name: RED BLUFF RESOURCES OPERATING LLC

Telephone: 4052088660

OTC/OCC Number: 23828 0

RED BLUFF RESOURCES OPERATING LLC  
3030 NW EXPRESSWAY STE 900  
OKLAHOMA CITY, OK 73112-5447

LARRY R & GLORIA E. RUSSELL  
13600 W BRITTON RD  
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	8050	6	
2	WOODFORD	9200	7	
3			8	
4			9	
5			10	

Spacing Orders: 679335

Location Exception Orders: 685515

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13149

Ground Elevation: 1333

**Surface Casing: 1300**

Depth to base of Treatable Water-Bearing FM: 1050

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 19-36267

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

# HORIZONTAL HOLE 1

Sec 31 Twp 13N Rge 5W County CANADIAN

Spot Location of End Point: S2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 7549

Radius of Turn: 509

Direction: 179

Total Length: 4800

Measured Total Depth: 13149

True Vertical Depth: 9200

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

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

2/21/2019 - 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 - 685515

2/22/2019 - G56 - (I.O.) 31-13N-5W  
X679335 MSNLC, WDFD, OTHER  
COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FEL/FWL  
RED BLUFF RESOURCES OPERATING LLC  
10/25/2018

PUBLIC WATER SUPPLY WELLS

2/21/2019 - G71 - BLUE QUAIL ESTATES - 10 PWS/WPA, NE/4 31-13N-5W

SPACING - 679335

2/22/2019 - G56 - (640)(HOR) 31-13N-5W  
VAC OTHER  
VAC 96519 MISS  
EST MSNLC, OTHER  
EXT 668587 WDFD, OTHER  
COMPL INT (MSNLC) NCT 660' FB  
COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

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

017 25394 RUSSELL 1305 4-31MH

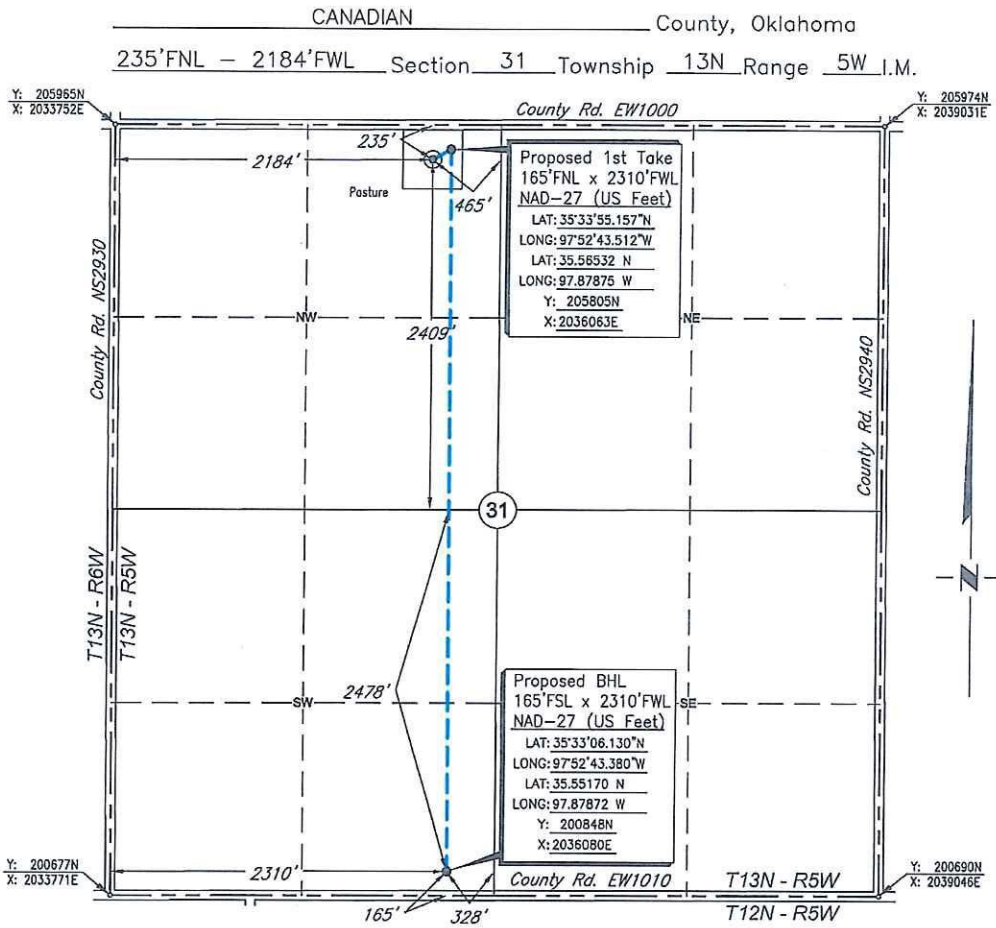
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**CIMARRON**  
SURVING & MAPPING CO.  
CA. No. 1780 Expires June 30, 2020

1530 SW 89th STREET, Bldg. C3  
OKLAHOMA City, OK  
(405) 692-7348  
CIMSURVEY.COM



Scale: 1"= 1000' Date Staked: February 2, 2019

GPS Observation: Latitude 35°33'54.463" N  
Longitude 97°52'45.036" W  
Latitude 35.56513 N  
Longitude 97.87918 W

State Plane NAD27 Y: 205735N  
Oklahoma North Zone: X: 2035937E

Operator: RED BLUFF RESOURCES Elevation: 1333'

Lease Name: RUSSELL 1305 Well No.: 4-31MH

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction  
from Hwy Jct or Town: From the town of Richland; Thence south 1 mile; Thence east 1 mile to the NW Corner of Section 31.

SURVEYOR'S CERTIFICATE:  
I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431  
do hereby certify that the above described well location was  
carefully staked on the ground as shown and that all ties and  
distances shown are from existing lines of occupation.

JOB NO.:	190203			
DATE:	02/11/19			
DRAWN BY:	T.A.W.	NO.	REVISION	DATE BY

*D. Mike Dossey*

D. MIKE DOSSEY R.P.L.S. # 1431

