

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

API NUMBER: 073 26178

Approval Date: 07/31/2018

Expiration Date: 01/31/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 16N Rge: 5W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 235 2381

Lease Name: CORNELL

Well No: 5-13MH

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

Operator Name: RED BLUFF RESOURCES OPERATING LLC

Telephone: 4056058360

OTC/OCC Number: 23828 0

RED BLUFF RESOURCES OPERATING LLC  
3030 NW EXPRESSWAY STE 650  
OKLAHOMA CITY, OK 73112-5447

BART BOECKMAN  
P.O. BOX 358  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPI	6480	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 667936

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805778

Special Orders:

Total Depth: 11812

Ground Elevation: 967

**Surface Casing: 360**

Depth to base of Treatable Water-Bearing FM: 260

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: 18-35003

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 13 Twp 16N Rge 5W County KINGFISHER

Spot Location of End Point: S2 SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2310

Depth of Deviation: 6123

Radius of Turn: 477

Direction: 175

Total Length: 4940

Measured Total Depth: 11812

True Vertical Depth: 6699

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

7/30/2018 - 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](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)

PENDING CD - 201805778

7/31/2018 - G75 - (E.O.) 13-16N-5W  
X667936 MISS  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL  
RED BLUFF RESOURCES OP. LLC  
REC 7-27-2018 (FOREMAN)

SPACING - 667936

7/30/2018 - G75 - (640)(HOR) 13-16N-5W  
EST MISS  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 59564/61637 MISS)

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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.

073 26178 CORNELL 5-13MH



# Well Location Plat

Sec. 13-16N-5W I.M.

Operator: RED BLUFF RESOURCES

Lease Name and No.: CORNELL 5-13 MH

API 073-26178

Footage: 235' FNL - 2381' FWL Gr. Elevation:  $\pm 967'$

Section: 13 Township: 16N Range: 5W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a flat, open field.



All bearings shown  
are grid bearings.



1" = 1000'

GPS DATUM

NAD 27

OK NORTH ZONE

Surface Hole Loc.:

Lat: 35°52'13.62"N

Lon: 97°41'02.49"W

X: 2093620

Y: 317003

Take Point.:

Lat: 35°52'14.36"N

Lon: 97°40'55.13"W

X: 2094225

Y: 317079

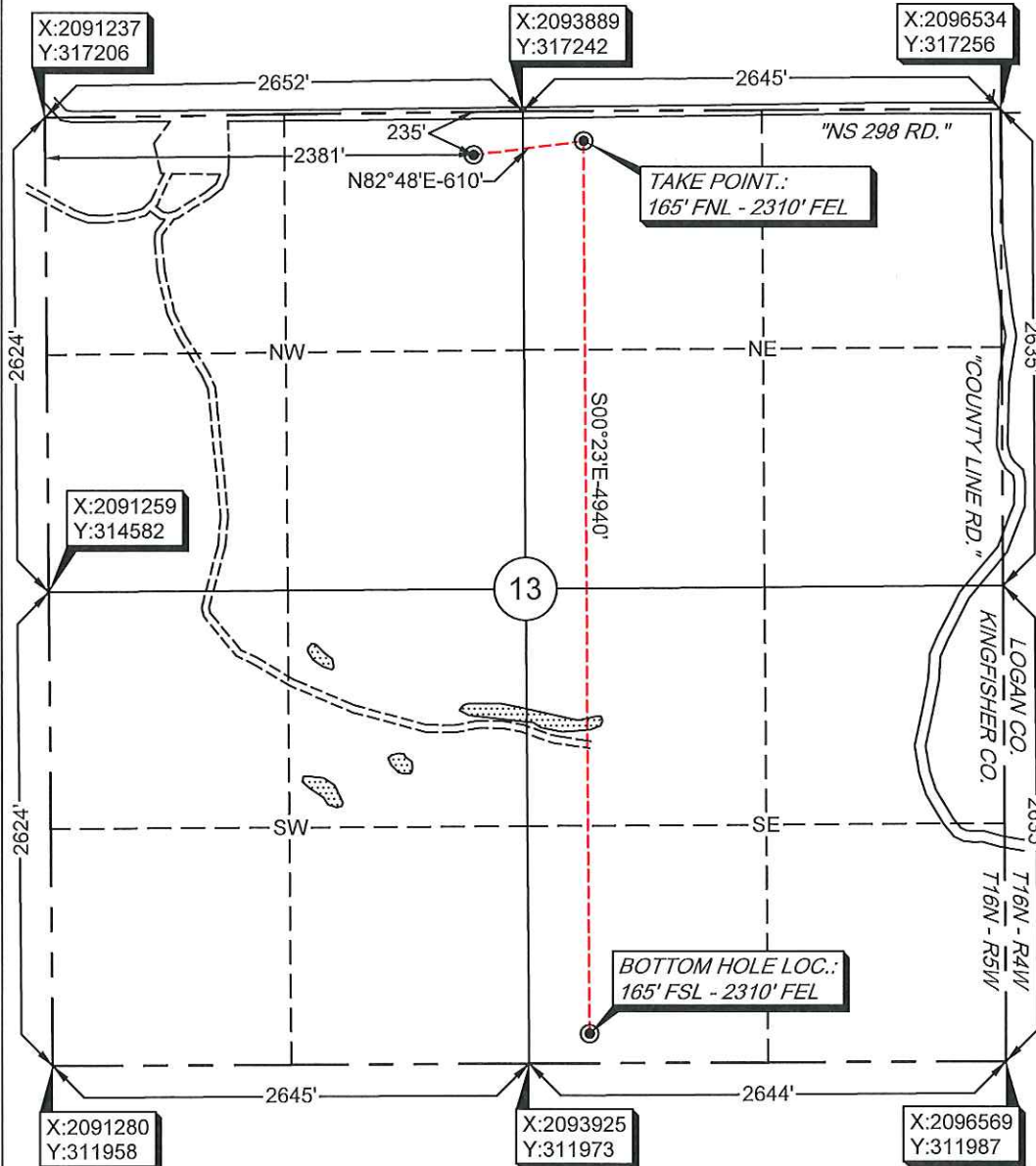
Bottom Hole Loc.:

Lat: 35°51'25.50"N

Lon: 97°40'54.93"W

X: 2094258

Y: 312139



-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.  
-NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.  
-Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2020

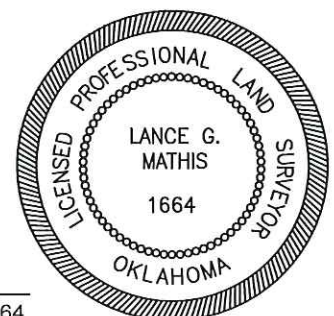
## Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

*Lance G. Mathis*  
LANCE G. MATHIS

07/17/18

OK LPLS 1664



Invoice #7951-B

Date Staked: 06/28/18 By: D.K.

Date Drawn: 07/02/18 By: C.K.

Revise SHLs & BHLs: 07/10/18 By: J.K.