

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

API NUMBER: 083 24393

Approval Date: 12/08/2016
Expiration Date: 06/08/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 17N Rge: 2W County: LOGAN
SPOT LOCATION: SW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 440 151

Lease Name: WILCOX Well No: 2-17 MH Well will be 151 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

DON & LUANN WILCOX
6400 N COLTRANE
EDMOND OK 73044

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5462	6
2			7
3			8
4			9
5			10

Spacing Orders: 658619

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604637

Special Orders:

Total Depth: 10841

Ground Elevation: 1032

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 4500 Average: 1500

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: GARBER

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31599

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 17 Twp 17N Rge 2W County LOGAN

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 4950

Radius of Turn: 575

Direction: 2

Total Length: 4912

Measured Total Depth: 10765

True Vertical Depth: 5622

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/6/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

PENDING CD - 201604637

12/8/2016 - G64 - (I.O.) 17-17N-2W
X658619 MSSP
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL
NO OP. NAMED
REC. 11-29-2016 (M. PORTER)

SPACING - 658619

12/8/2016 - G64 - (640)(HOR) 17-17N-2W
EXT 626308 MSSP
POE TO BHL NCT 660' FB



Well Location Plat

S.H.L. Sec.20-17N-2W I.M
B.H.L. Sec.17-17N-2W I.M.

Operator: RED BLUFF RESOURCES
Lease Name and No.: WILCOX-17MH
Footage: 440' FNL - 151' FWL GR. ELEVATION: 1032' Good Site? YES
Section: 20 Township: 17N Range: 2W I.M.
County: Logan State of Oklahoma
Alternate Loc.: N/A

API: 083 24393

Terrain at Loc.: Location fell in pasture.
Accessibility: From the South.
Directions: From the intersection of State Highway 74C and the "North Coltrane Rd.", go North 1.0 mile on "North Coltrane Rd." to the Northwest Corner of Section 20-17N-2W.



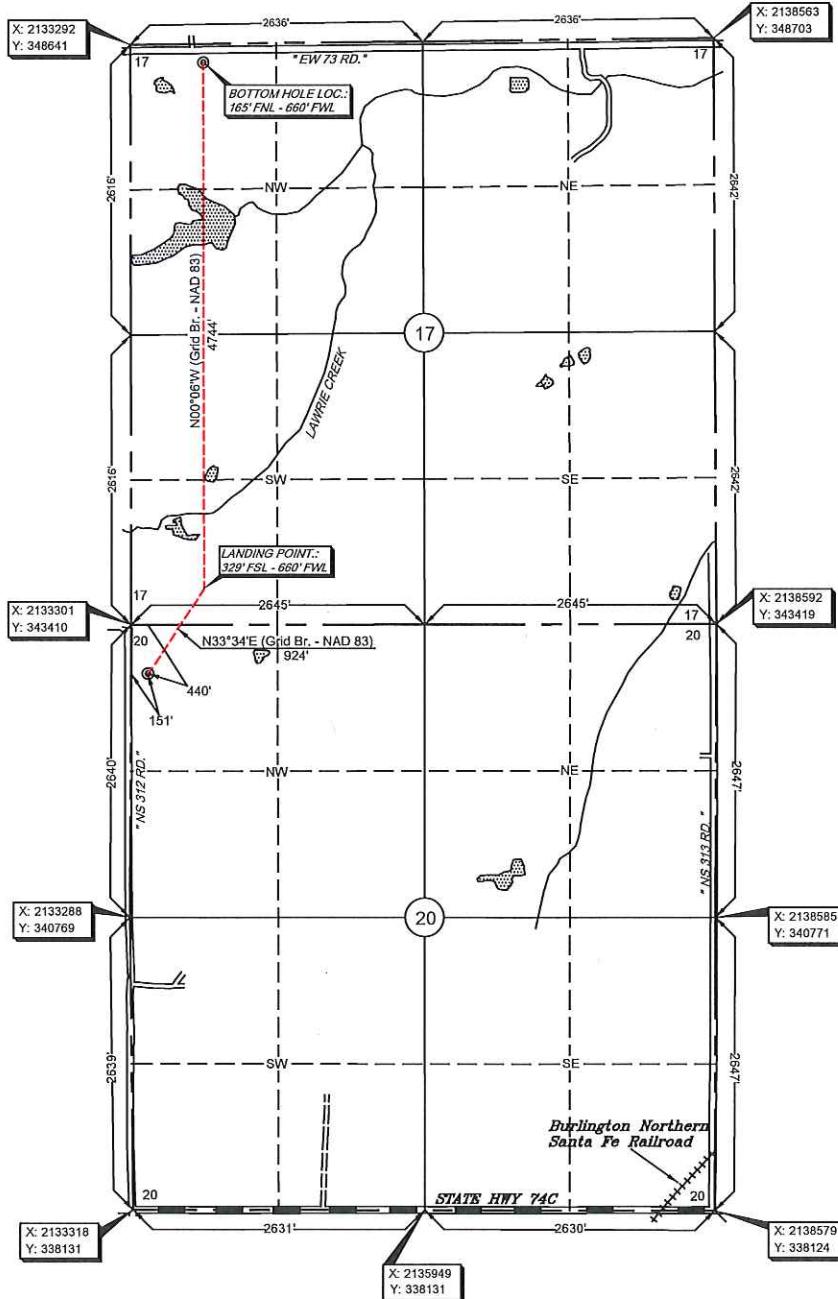
1"=1320'

GPS DATUM
NAD - 83
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°56'27.17"N
Lon: 97°26'33.97"W
X: 2133450
Y: 342970

Landing Point:
Lat: 35°56'34.76"N
Lon: 97°26'27.70"W
X: 2133961
Y: 343740

Bottom Hole Loc.:
Lat: 35°57'21.67"N
Lon: 97°26'27.48"W
X: 2133952
Y: 348484



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. 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.
NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed 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 August 31, 2018

Invoice #6548
Date Staked: 07/28/16 By: D.A.
Date Drawn: 07/29/16 By: C.S.
Rev. LP/BHL: 10/21/16 By: J.H.

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 10/24/16
OK LPLS 1664

