

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

API NUMBER: 017 25434

Approval Date: 04/04/2019

Expiration Date: 10/04/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 13N Rge: 5W County: CANADIAN  
SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 237 1185

Lease Name: WATERLOO 1305 Well No: 1-9MH Well will be 237 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

WLW PROPERTIES, LLC  
14408 N PIEDMONT RD  
PIEDMONT OK 73078

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7432	6	
2	WOODFORD	7638	7	
3			8	
4			9	
5			10	

Spacing Orders: 616608

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900718

Special Orders:

Total Depth: 12500 Ground Elevation: 1159 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 780

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: 19-36390  
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - DEER CREEK)

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 09 Twp 13N Rge 5W County CANADIAN

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 6670

Radius of Turn: 559

Direction: 185

Total Length: 4952

Measured Total Depth: 12500

True Vertical Depth: 7638

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

3/28/2019 - 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)

PENDING CD - 201900718

4/3/2019 - G56 - (I.O.) 9-13N-5W  
X616608 MSSP, WDFD, OTHER  
COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FEL OR FWL  
NO OP NAMED  
REC 2/19/2019 (DENTON)

SPACING - 616608

4/3/2019 - G56 - (640)(HOR) 9-13N-5W  
EST MSSP, WDFD, OTHER  
POE TO BHL (MSSP) NLT 660' FB  
POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

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.

017 25434 WATERLOO 1305 1-9MH

EXHIBIT: A  
SHEET: 11x17

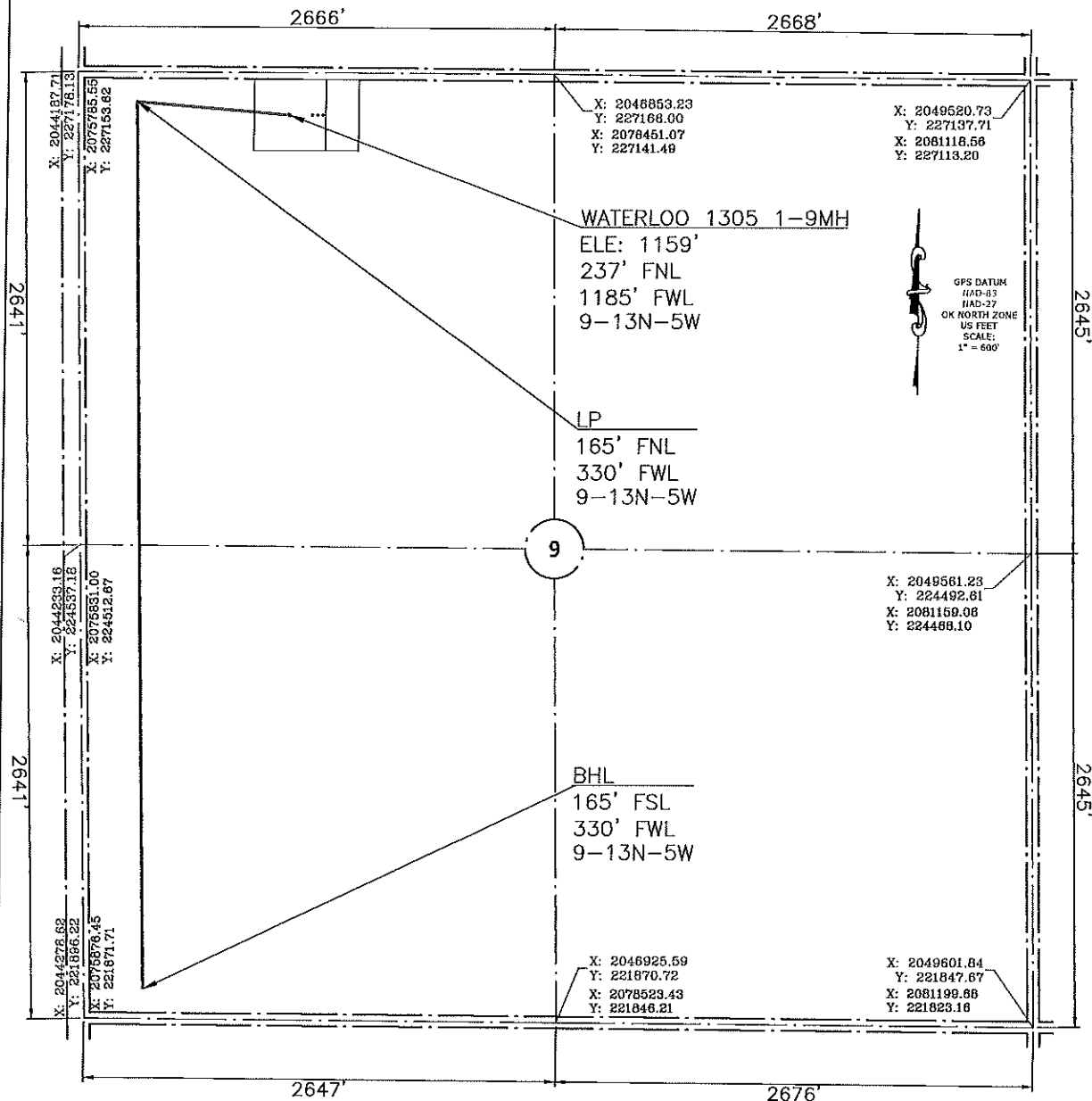


**RED BLUFF  
RESOURCES**

Section 9 Township 13N Range 5W I.M.  
County CANADIAN State Oklahoma  
Operator Red Bluff Resources

WELL LOCATION PLAT

WELL NAME:  
WATERLOO 1305 1-9MH



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 Pan-Op 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.

**PAN-OP**  
SURVEY & CONSULTING

Prepared By:  
Pan-Op Survey & Consulting, LLC  
11200 N. MacArthur Blvd.  
Suite G2  
Oklahoma City, OK 73162  
CAG 8168

**JAMES DAVIS LAND**

Acquisitions By:  
James Davis Land, LLC  
11200 N. MacArthur Blvd.  
Suite G2  
Oklahoma City, OK 73162

DATE STAKED: 2/13/2019



CERTIFICATE:

I, Cory D. Culpepper, an Oklahoma Licensed Land Surveyor and an authorized agent of Pan-Op, LLC, do hereby certify to the information shown herein.

*Cory D. Culpepper* 3/20/19  
Oklahoma RPLS  
No. 1980