

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

API NUMBER: 093 25143

Approval Date: 06/08/2018  
Expiration Date: 12/08/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 20N Rge: 14W County: MAJOR  
SPOT LOCATION:  NE  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 294 1662

Lease Name: ARTHUR Well No: 4-17MH Well will be 294 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

DENNIS PLUMBING COMPANY  
302 W. WILLOW  
ENID OK 73701

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	8350	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802683  
201802684

Special Orders:

Total Depth: 14000 Ground Elevation: 1758 **Surface Casing: 440** Depth to base of Treatable Water-Bearing FM: 390

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: 34000 Average: 6000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34656  
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 20N Rge 14W County MAJOR

Spot Location of End Point: N2 NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 7815

Radius of Turn: 800

Direction: 15

Total Length: 4928

Measured Total Depth: 14000

True Vertical Depth: 8916

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

Notes:

Category

Description

HYDRAULIC FRACTURING

6/6/2018 - 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,

INTERMEDIATE CASING

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 - 201802683

6/6/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

PENDING CD - 201802684

6/8/2018 - G57 - (640)(HOR)17-20N-14W  
 EXT 650055 MSSP  
 POE TO BHL NCT 660' FB  
 (COEXIST WITH SP. ORDER #143398 CSTR, MSSSD)  
 REC 5-1-2018 (FOREMAN)

6/8/2018 - G57 - (I.O.) 17-20N-14W  
 X201802683 MSSP  
 COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
 NO OP. NAMED  
 REC 5-1-2018 (FOREMAN)

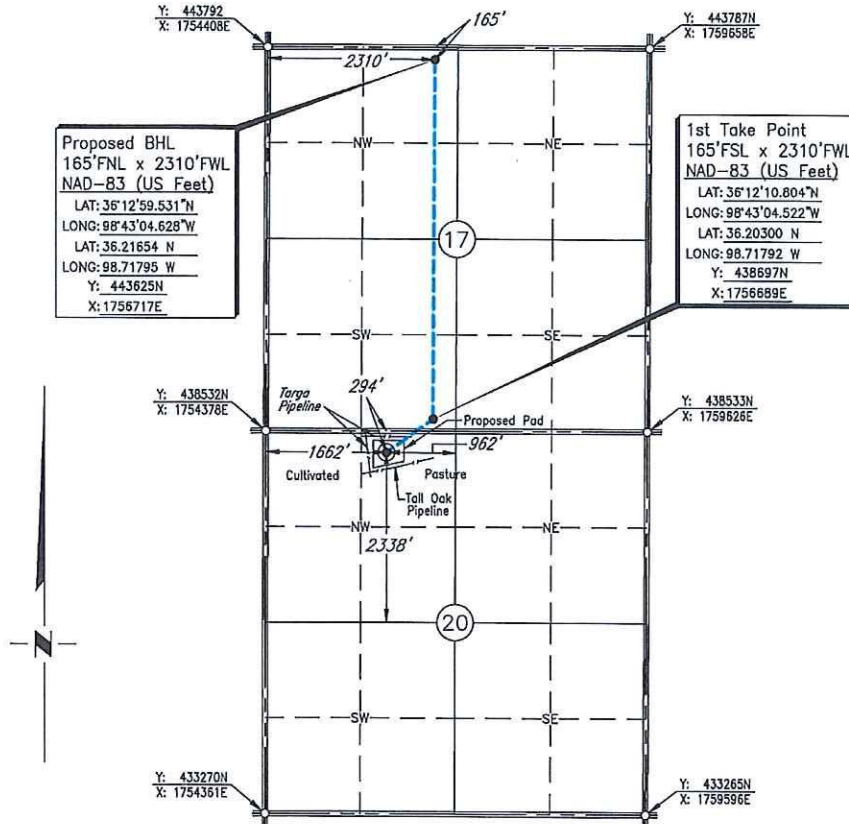


**CIMARRON**  
SURVEYING & MAPPING CO.  
CA No. 1760 Expires June 30, 2018

1570 SW 89TH STREET, Bldg. C3  
OKLAHOMA CITY, OK  
(405) 692-7348  
WWW.CIMSURVEY.COM

MAJOR \_\_\_\_\_ County, Oklahoma

294'FNL - 1662'FWL Section 20 Township 20N Range 14W I.M.



Proposed BHL  
165'FNL x 2310'FWL  
NAD-83 (US Feet)  
LAT: 36°12'59.531"N  
LONG: 98°43'04.628"W  
LAT: 36.21654 N  
LONG: 98.71795 W  
Y: 443625N  
X: 1756717E

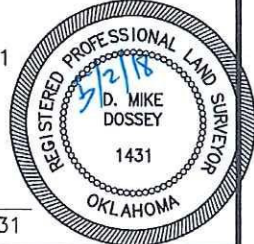
1st Take Point  
165'FSL x 2310'FWL  
NAD-83 (US Feet)  
LAT: 36°12'10.804"N  
LONG: 98°43'04.522"W  
LAT: 36.20300 N  
LONG: 98.71792 W  
Y: 438697N  
X: 1756689E

Scale: 1" = 1000'  
GPS Observation: Latitude 36°12'06.216" N  
Longitude 98°43'12.415" W  
Latitude 36.20173 N  
Longitude 98.72012 W  
Date Staked: April 20, 2018  
State Plane NAD83 Y: 438238N  
Oklahoma North Zone: X: 1756039E

Operator: RED BLUFF RESOURCES Elevation: 1758'  
Lease Name: Arthur Well No.: 4-17 MH  
Topography & Vegetation: Cultivated  
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 Orion; Thence east approx. 3 miles; Thence south 1 mile to the Northwest Corner of Section 20.

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.: 180217A				
DATE: 03/29/18	1	MOVED WELL	04/30/18	S.R.T.
DRAWN BY: N.J.S.	NO.	REVISION	DATE	BY

*D. Mike Dossey*  
D. MIKE DOSSEY R.P.L.S. # 1431