

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

API NUMBER: 083 24409

Approval Date: 07/28/2017  
Expiration Date: 01/28/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 17N Rge: 2W County: LOGAN  
SPOT LOCATION:  NW  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 167 1477

Lease Name: COOKSEY Well No: 5-8 MH Well will be 167 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

RUTLEDGE BROS EXEMPTION TRUST  
1501 CORDGRASS CT  
EDMOND OK 73013

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

Name	Depth	Name	Depth
1	MISSISSIPPI	5343	6
2			7
3			8
4			9
5			10

Spacing Orders: 641066

Location Exception Orders: 666363

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10346

Ground Elevation: 990

**Surface Casing: 350**

Depth to base of Treatable Water-Bearing FM: 100

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 17-32933

H. MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 08 Twp 17N Rge 2W County LOGAN

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1425

Depth of Deviation: 4674

Radius of Turn: 631

Direction: 359

Total Length: 4680

Measured Total Depth: 10346

True Vertical Depth: 5390

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/26/2017 - G58 - 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: [HTTP://WWW.OCCWEB.COM/OG/OGFORMS.HTML](http://www.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 [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/)

LOCATION EXCEPTION - 666363

7/28/2017 - G64 - (I.O.) 8-17N-2W  
X641066 MSSP  
COMPL. INT. NCT 165' FSLL, NCT 165' FNL, NCT 600' FEL, NCT 600' FWL  
RED BLUFF RESOURCES OPERATING LLC  
7-27-2017

SPACING - 641066

7/28/2017 - G64 - (640)(HOR) 8-17N-2W  
VAC 148842 MSSLM  
VAC 190407 MSSLM, OTHER  
EST OTHERS  
EXT 622418 MSSP, OTHER  
POE TO BHL NCT 660' FB

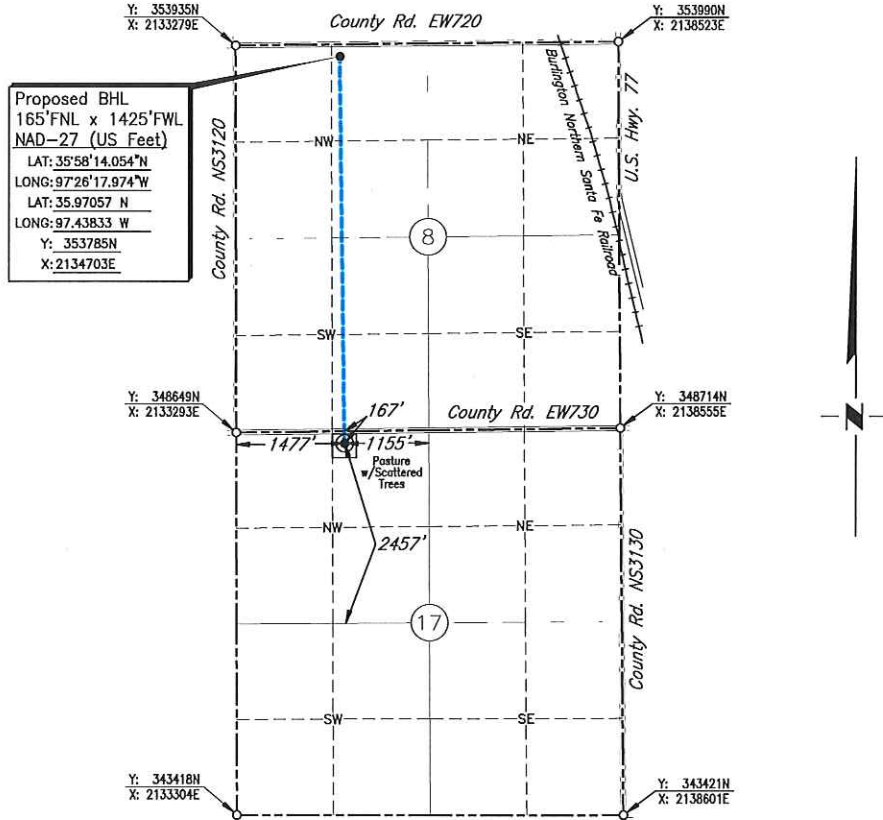


**CIMARRON**  
SURVEYING & MAPPING CO.

C.A. No. 1780 Expires JUNE 30, 2018

Oklahoma City, OK  
(405) 692-7348  
CIMSURVEY.COM

LOGAN County, Oklahoma  
167'FNL - 1477'FWL Section 17 Township 17N Range 2W I.M.

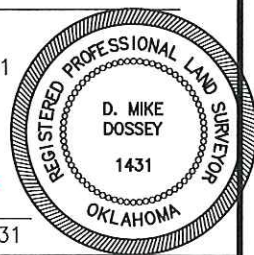


Scale: 1" = 2000'  
GPS Observation: Latitude 35°57'21.788" N  
Longitude 97°26'17.522" W  
Latitude 35.95605 N  
Longitude 97.43820 W  
Date Staked: May 23, 2017  
State Plane NAD83 Y: 348500N  
Oklahoma North Zone: X:2134770E

Operator: RED BLUFF RESOURCES Elevation: 990'  
Lease Name: Cooksey Well No.: 5-8MHC  
Topography & Vegetation: Pasture with Scattered Trees  
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 Guthrie; Thence north along U.S. Hwy. 77  
approx. 5½ miles; Thence west approx. 1⅓ mile to the Northwest Corner of Section 17.

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.:	171471A	2	Moved Well Head	07/21/17	T.A.W.
DATE:	06/02/17	1	Moved Well Head	06/26/17	H.J.S.
DRAWN BY:	N.J.S.	NO.	REVISION	DATE	BY

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