

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

API NUMBER: 017 25435

Approval Date: 04/08/2019

Expiration Date: 10/08/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 13N Rge: 5W County: CANADIAN
SPOT LOCATION: ☐ SW ☐ NW ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 563 251

Lease Name: BIG MUDDIE 1305 Well No: 1-5MH Well will be 251 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

MARK STEVEN SIMPSON
PO BOX 487
PIEDMONT OK 73078

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7531	6	
2	WOODFORD	7787	7	
3			8	
4			9	
5			10	

Spacing Orders: 691793

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810644

Special Orders:

Total Depth: 13113 Ground Elevation: 1227 Surface Casing: 950 Depth to base of Treatable Water-Bearing FM: 730

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 BED AQUIFER

Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36434
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 05 Twp 13N Rge 5W County CANADIAN

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 7000

Radius of Turn: 735

Direction: 179

Total Length: 4959

Measured Total Depth: 13113

True Vertical Depth: 7787

End Point Location from Lease,

Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
WILLIAMS FAMILY FOODS LLC	PO BOX 480	TUTTLE, OK 73089
THERESA ELAINE SCHULTE	P.O. BOX 543	OKARCHIE, OK 73762
RAFTER H OPERATING LLC	P.O. BOX 399	EL RENO, OK 73037
ROBERT THOMAS SIMPSON	P.O. BOX 117	PIEDMONT, OK 73078
MARY NELL BRUEGGEN	920 MUSGRAVE BLVD.	OKLAHOMA CITY, OK 73114
TONI L. SIMPSON	607 ANNETTE DR	OKARCHIE, OK 73762
GARY R. UNDERWOOD	4600 VAL VERDE DR	OKLAHOMA CITY, OK 73142
JOHN MICHAEL SIMPSON	410 LOOSEN LANE	OKARCHIE, OK 73762
DARREN R. COOK	2217 S 19TH ST	CHICKASHA, OK 73018
CONNER L. HELMS	1608 CAMDEN WAY	OKLAHOMA CITY, OK 73116
WILLIAM DONALDSON II, TRUSTEE	#2 TREEWOOD COURT VINCENT F. SIMPSON TEST	MANSFIELD, TX 76063

Notes:

Category

Description

HYDRAULIC FRACTURING

4/8/2019 - 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; 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

PENDING CD - 201810644

4/8/2019 - G58 - (I.O.) 5-13N-5W
X691793 MSSP, WDFD, OTHER
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL
NO OP. NAMED
REC 1/15/2019 (MILLER)

SPACING - 691793

4/8/2019 - G58 - (640)(HOR) 5-13N-5W
VAC 182916 MSSLM, OTHER
EXT 654577 MSSP, WDFD, OTHER
POE TO BHL (MSSP) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

This permit does not address the right of entry or settlement of surface damages.

017 25435 BIG MUDDIE 1305 1-5MH

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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.



CIMARRON
SURVEYING & MAPPING CO.

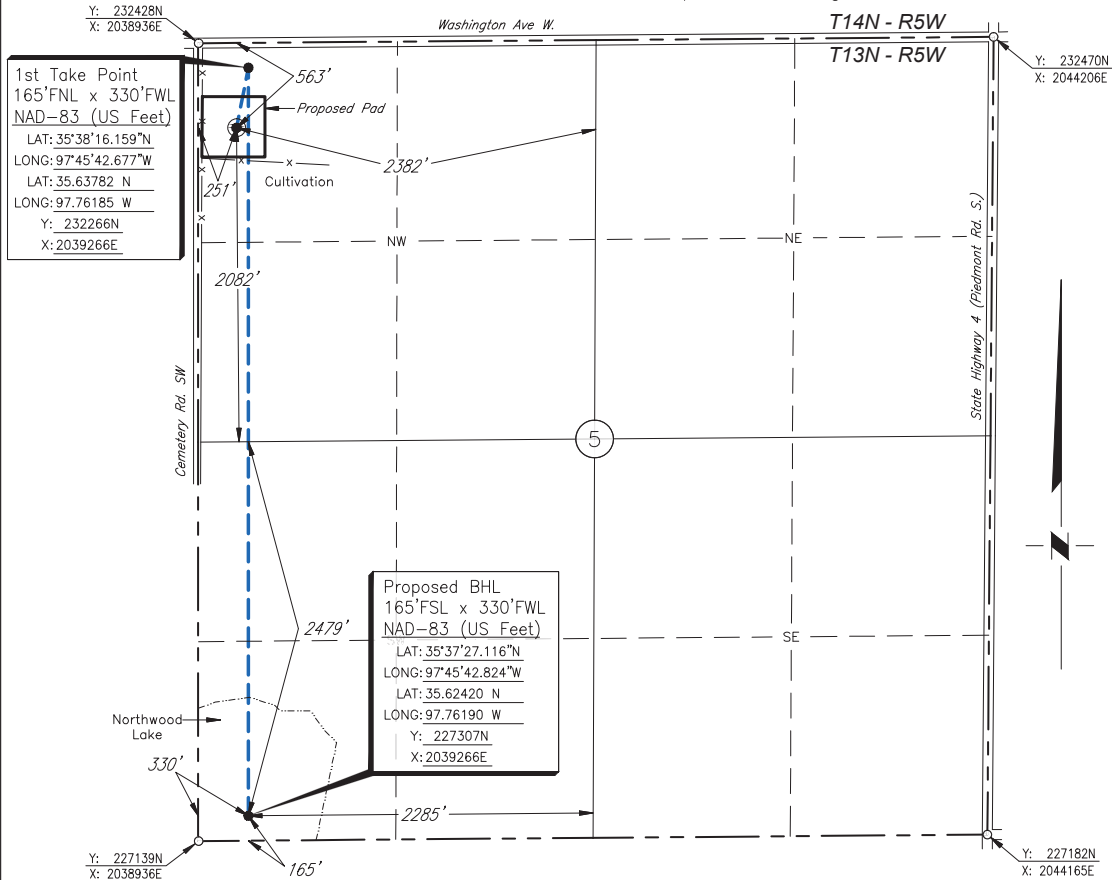
C.A. No. 1780 Expires June 30, 2020

1530 SW 89th STREET, Bldg. C3
Oklahoma City, OK
(405) 692-7348
WWW.CIMSURVEY.COM

CANADIAN

County, Oklahoma

563'FNL - 251'FWL Section 5 Township 13N Range 5W I.M.



Scale: 1" = 1000'

Date Staked: February 1, 2019

GPS Observation: Latitude 35°38'12.221" N
Longitude 97°45'43.645" W
Latitude 35.63673 N
Longitude 97.76212 W

State Plane NAD83 Y: 231867N
Oklahoma North Zone: X: 2039187E

Operator: RED BLUFF RESOURCES OPERATING Elevation: 1227'

Lease Name: Big Muddie 1305 Well No.: 1-5MH

Topography & Vegetation: Cultivation

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 Piedmont; Thence south approx. 1/4 mile;

Thence west 1 mile to the Northwest Corner of Section 5.

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.:181490B	2	MOVED WELL	2/5/19	S.R.T.
DATE: 10/09/18	1	REVISED PAD	12/19/18	N.J.S.
DRAWN BY: RLK	NO.	REVISION	DATE	BY

PRELIMINARY

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

