

API NUMBER: 017 25689

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

Approval Date: 06/29/2021
Expiration Date: 12/29/2022

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 06 Township: 14N Range: 5W County: CANADIAN

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 179 1723

Lease Name: KARSTEN 1405 Well No: 1-6MH Well will be 179 feet from nearest unit or lease boundary.
Operator Name: RED BLUFF RESOURCES OPERATING LLC Telephone: 4052088667 OTC/OCC Number: 23828 0

RED BLUFF RESOURCES OPERATING LLC
3030 NW EXPRESSWAY STE 900
OKLAHOMA CITY, OK 73112-5447

BRADSHAW CATTLE LLC
P.O. BOX 251
PIEDMONT OK 73078

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	7300

Spacing Orders: 673907

Location Exception Orders: 718340

Increased Density Orders: 718519

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 12404

Ground Elevation: 1167

Surface Casing: 560

Depth to base of Treatable Water-Bearing FM: 510

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 21-37674

H. (Other)

CLOSED SYSTEM=STEEL PITS PER OPERATOR
REQUEST

PIT 1 INFORMATION

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

HORIZONTAL HOLE 1

Section: 6 Township: 14N Range: 5W Meridian: IM
County: CANADIAN

Total Length: 5008

Measured Total Depth: 12404

Spot Location of End Point: SE SW SW SW

True Vertical Depth: 7500

Feet From: SOUTH 1/4 Section Line: 165

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

Feet From: WEST 1/4 Section Line: 405

NOTES:

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

Category	Description
HYDRAULIC FRACTURING	<p>[6/29/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INCREASED DENSITY - 718519	<p>[6/29/2021 - G56] - 6-14N-5W X673907 MSNLC 1 WELL NO OP NAMED 5/24/2021</p>
LOCATION EXCEPTION - 718340	<p>[6/29/2021 - G56] - (I.O.) 6-14N-5W X673907 MSNLC COMPL INT 165' FNL, NCT 165' FSL, NCT 330' FWL RED BLUFF OPERATING LLC 5/13/2021</p>
SPACING - 673907	<p>[6/29/2021 - G56] - (640)(HOR) 6-14N-5W VAC 626166 MSSP EST OTHER EXT 665424 MSNLC POE TO BHL NCT 660' FB</p>



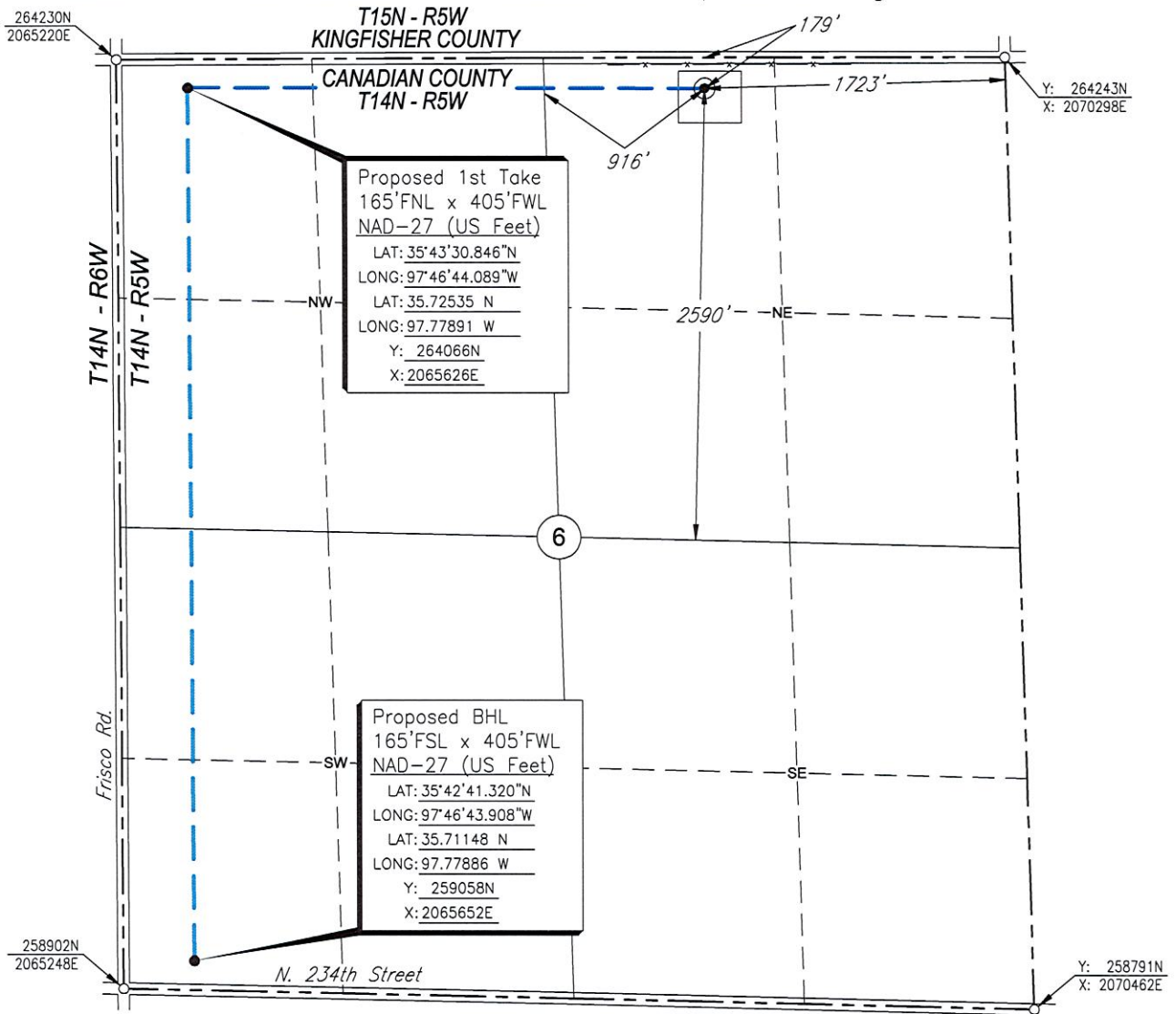
CIMARRON
SURVEYING & MAPPING CO.
C.A. No. 1780 Expires JUNE 30, 2020

1530 SW 89th STREET, Bldg. C3
OKLAHOMA City, OK
(405) 692-7348
cimsurvey.com

CANADIAN

County, Oklahoma

179'FNL - 1723'FEL Section 6 Township 14N Range 5W I.M.



Scale: 1"= 1000'

Date Staked: November 14, 2019

GPS Observation: Latitude 35°43'30.715" N
Longitude 97°46'08.262" W
Latitude 35.72520 N
Longitude 97.76896 W

State Plane NAD27 Y: 264060N
Oklahoma North Zone: X: 2068580E

Operator: RED BLUFF RESOURCES

Elevation: 1167'

Lease Name: KARSTEN 1405

Well No.: 1-6MH

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the North Line

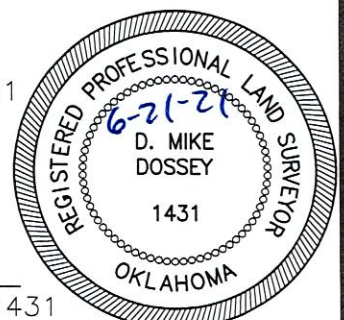
Distance & Direction
from Hwy Jct or Town: From the town of Piedmont; Thence North approx. 5¾ miles;
Thence West 1 mile to the NE Corner of Section 6.

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.: 190219A	2	NAME CHANGE MOVED FTP & BHL	06/18/21	T.A.W.
DATE: 11/21/19	1	MOVED FTP & BHL	01/29/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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





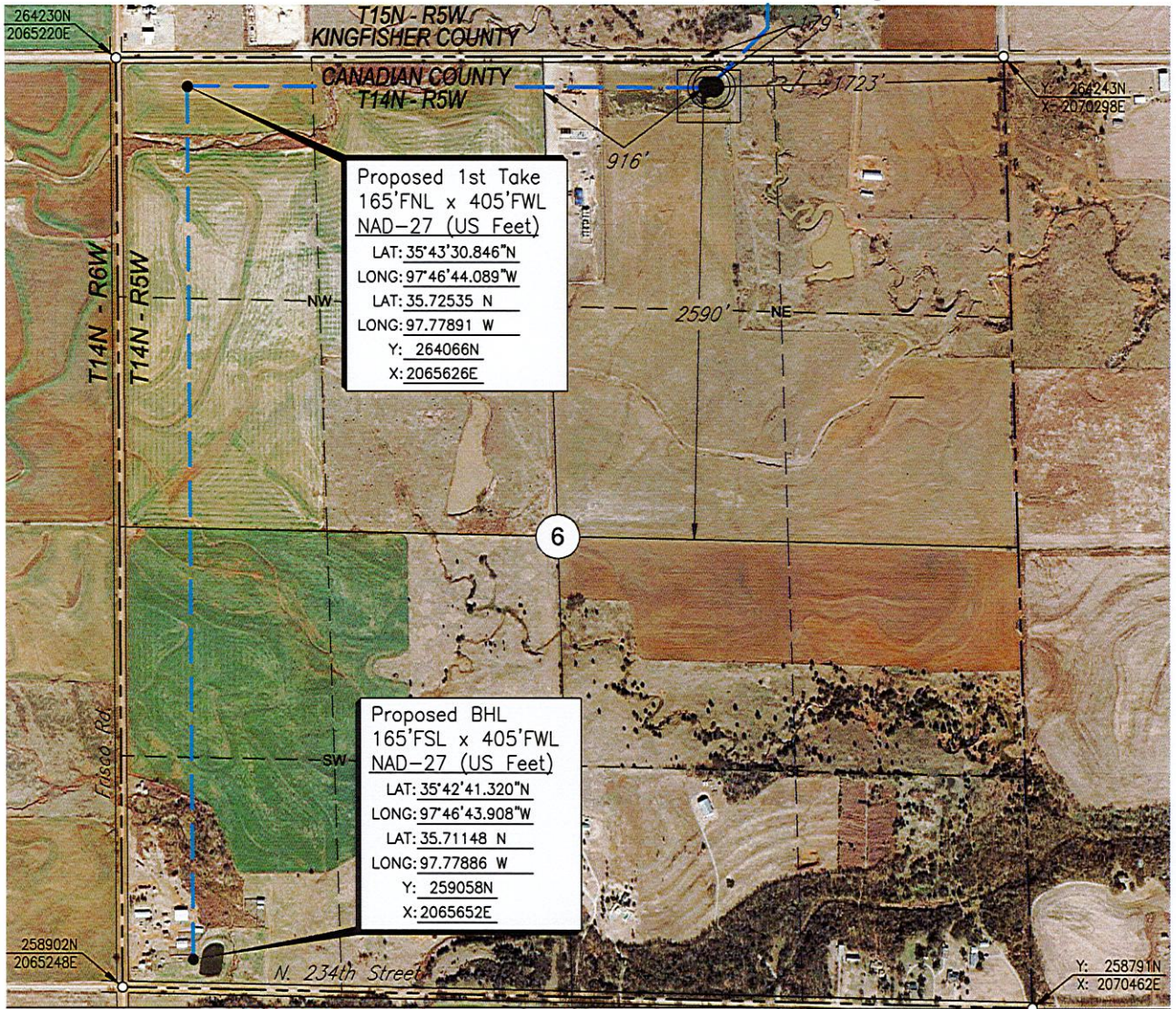
CIMARRON[®]
SURVEYING & MAPPING CO.
C.A. No. 1780 Expires JUNE 30, 2020

1530 SW 89TH STREET, Bldg. C3
OKLAHOMA City, OK
(405) 692-7348
CIMSURVEY.COM

CANADIAN

County, Oklahoma

179'FNL - 1723'FEL Section 6 Township 14N Range 5W I.M.



Scale: 1"= 1000'

Date Staked: November 14, 2019

GPS Observation: Latitude 35°43'30.715" N
Longitude 97°46'08.262" W
Latitude 35.72520 N
Longitude 97.76896 W

State Plane NAD27 Y: 264060N
Oklahoma North Zone: X:2068580E

Operator: RED BLUFF RESOURCES

Elevation: 1167'

Lease Name: KARSTEN 1405

Well No.: 1-6MH

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction

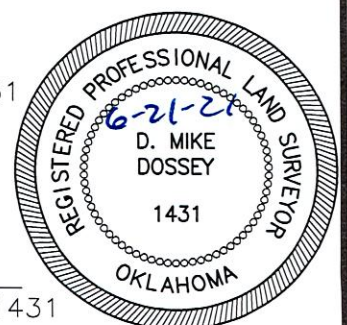
from Hwy Jct or Town: From the town of Piedmont; Thence North approx. 5³/₄ miles;
Thence West 1 mile to the NE Corner of Section 6.

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.: 190219A_AERIAL	2	NAME CHANGE MOVED FTP & BHL	06/18/21	T.A.W.
DATE: 11/21/19	1	MOVED FTP & BHL	01/29/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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





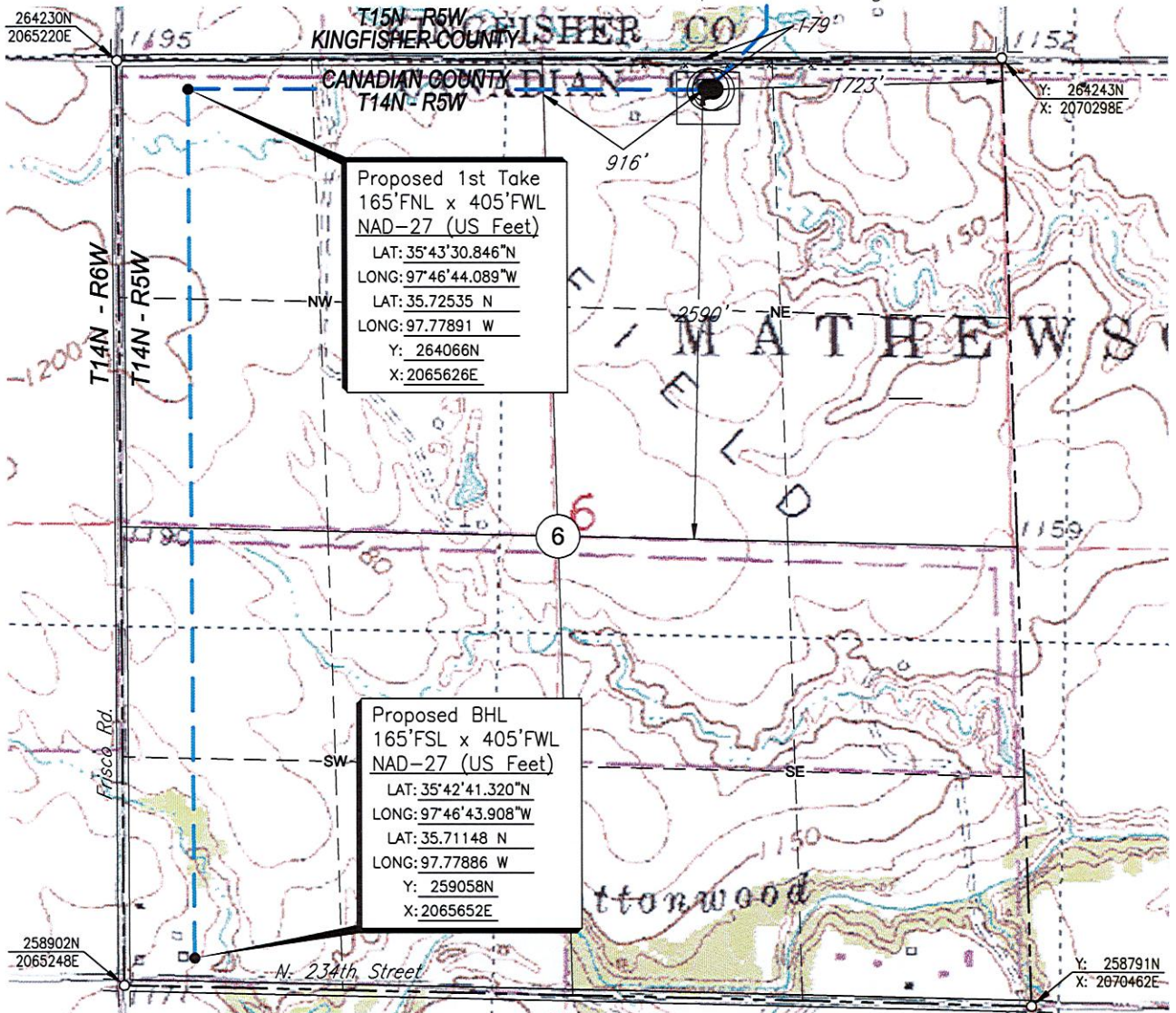
CIMARRON[®]
SURVEYING & MAPPING CO.
CA No. 1780 Expires June 30, 2020

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

CANADIAN

County, Oklahoma

179'FNL - 1723'FEL Section 6 Township 14N Range 5W I.M.



Scale: 1"= 1000'

Date Staked: November 14, 2019

GPS Observation: Latitude 35°43'30.715" N
Longitude 97°46'08.262" W
Latitude 35.72520 N
Longitude 97.76896 W

State Plane NAD27 Y: 264060N
Oklahoma North Zone: X:2068580E

Operator: RED BLUFF RESOURCES

Elevation: 1167'

Lease Name: KARSTEN 1405

Well No.: 1-6MH

Topography & Vegetation: Pasture

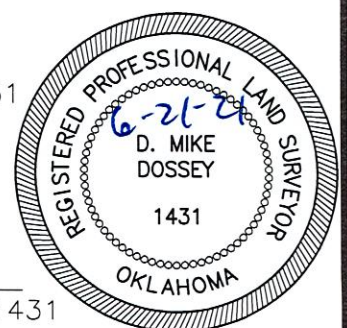
Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction
from Hwy Jct or Town: From the town of Piedmont; Thence North approx. 5¾ miles;
Thence West 1 mile to the NE Corner of Section 6.

SURVEYOR'S CERTIFICATE:

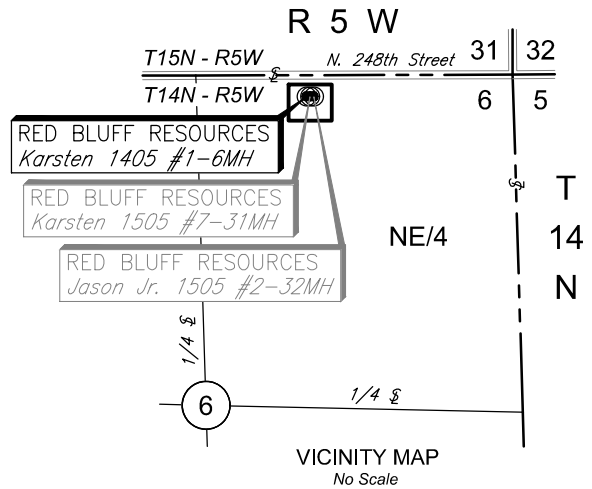
I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.



JOB NO.: 190219A_TOPO	2	NAME CHANGE MOVED FTP & BHL	06/18/21	T.A.W.
DATE: 11/21/19	1	MOVED FTP & BHL	01/29/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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

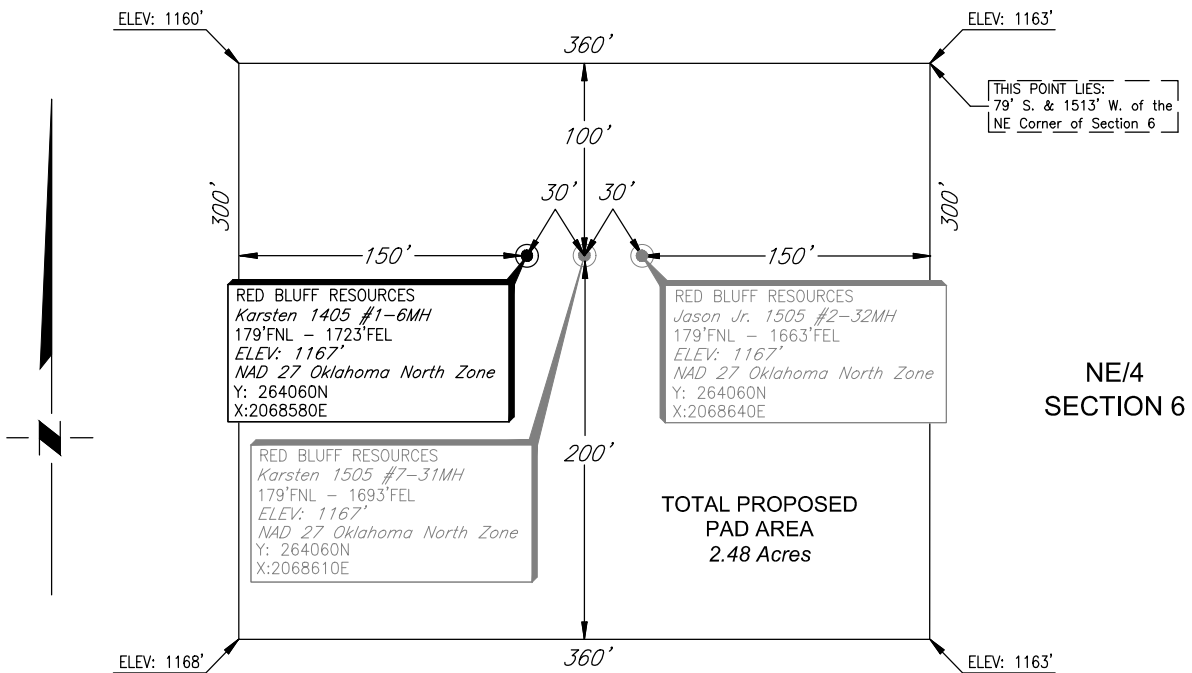
PLAT SHOWING
PROPOSED PAD AREA IN THE
NE/4 OF SECTION 6, T14N - R5W
CANADIAN COUNTY, OKLAHOMA



T15N - R5W

N. 248th Street

T14N - R5W



NOTES:

- This drawing is for the purpose of depicting a pad area and does not represent a boundary survey.

				RED BLUFF RESOURCES	SCALE:	1"=100'		
					DATE:	11/25/19		
NO.	REVISION	DATE	BY		JOB NO.:	190219		
SURVEYED BY: D.D.					DWG. NO.:	190219A_PAD		
DRAWN BY: S.R.T.					AFE. NO.:			
APPROVED BY: D.M.D.				 <div>CIMARRON. SURVEYING & MAPPING CO. <small>C.A. No. 1780 Expires June 30, 2020</small></div> <div>1530 SW 89th STREET, Bldg. C3 Oklahoma City, OK (405) 692-7348 www.cimsurvey.com</div>	SHEET	1	OF	1

R 7 W

R 6 W

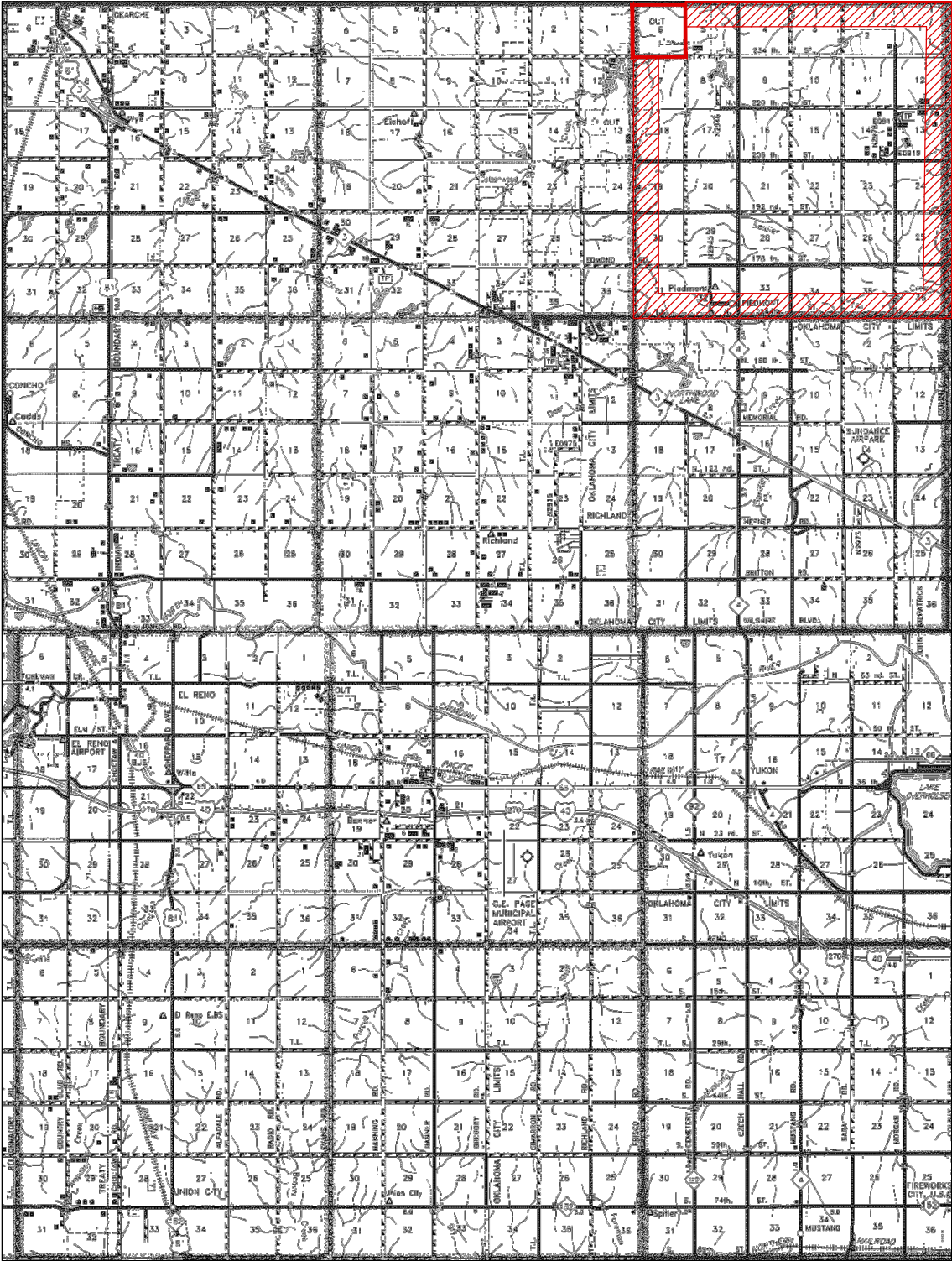
R 5 W

T 14 N

T 13 N

T 12 N

T 11 N



PLAT SHOWING
VICINITY MAP FOR
SECTION 6, T14N - R5W
CANADIAN COUNTY, OKLAHOMA

				RED BLUFF RESOURCES	SCALE: 1" = 3 Miles
					DATE: 11/21/19
NO.	REVISION	DATE	BY	 CIMARRON. SURVEYING & MAPPING CO. <small>CA No. 1780 Expires June 30, 2020</small>	JOB NO.: 190219
SURVEYED BY: D.D.		DWG. NO.: 190219_VMAP			
DRAWN BY: S.R.T.		AFE. NO:			
APPROVED BY: D.M.D.		SHEET 1 OF 1			
				1530 SW 89th STREET, Bldg. C3 Oklahoma City, OK (405) 692-7348 www.cimsurvey.com	