

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

API NUMBER: 093 25141

Approval Date: 05/31/2018

Expiration Date: 11/30/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 21N Rge: 13W County: MAJOR

SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 232 1536

Lease Name: LACKEY Well No: 2-2MH Well will be 232 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

LEON D. & KAREN J. NEUFELD TRUST
HC 60, BOX 184
FAIRVIEW OK 73737

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	7107	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 670368

Location Exception Orders: 673986

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13090

Ground Elevation: 1324

Surface Casing: 690

Depth to base of Treatable Water-Bearing FM: 540

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: 16000 Average: 8000

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: 18-34245
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 02 Twp 21N Rge 13W County MAJOR

Spot Location of End Point: N2 NE NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 990

Depth of Deviation: 6794

Radius of Turn: 875

Direction: 353

Total Length: 4921

Measured Total Depth: 13090

True Vertical Depth: 8090

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/5/2018 - 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; 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

LOCATION EXCEPTION - 673986

5/31/2018 - G57 - (I.O.) 2-21N-13W
X670368 MSSP
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 990' FWL
RED BLUFF RESOURCES OPERATING, LLC.
2-23-2018

SPACING - 670368

4/12/2018 - G57 - (640)(HOR) 2-21N-13W
EST MSSP
POE TO BHL NCT 660' FB
(COEXIST WITH SP. ORDER #86422 MRMC & OSGE, SP. ORDER # 46580 UNCCR)



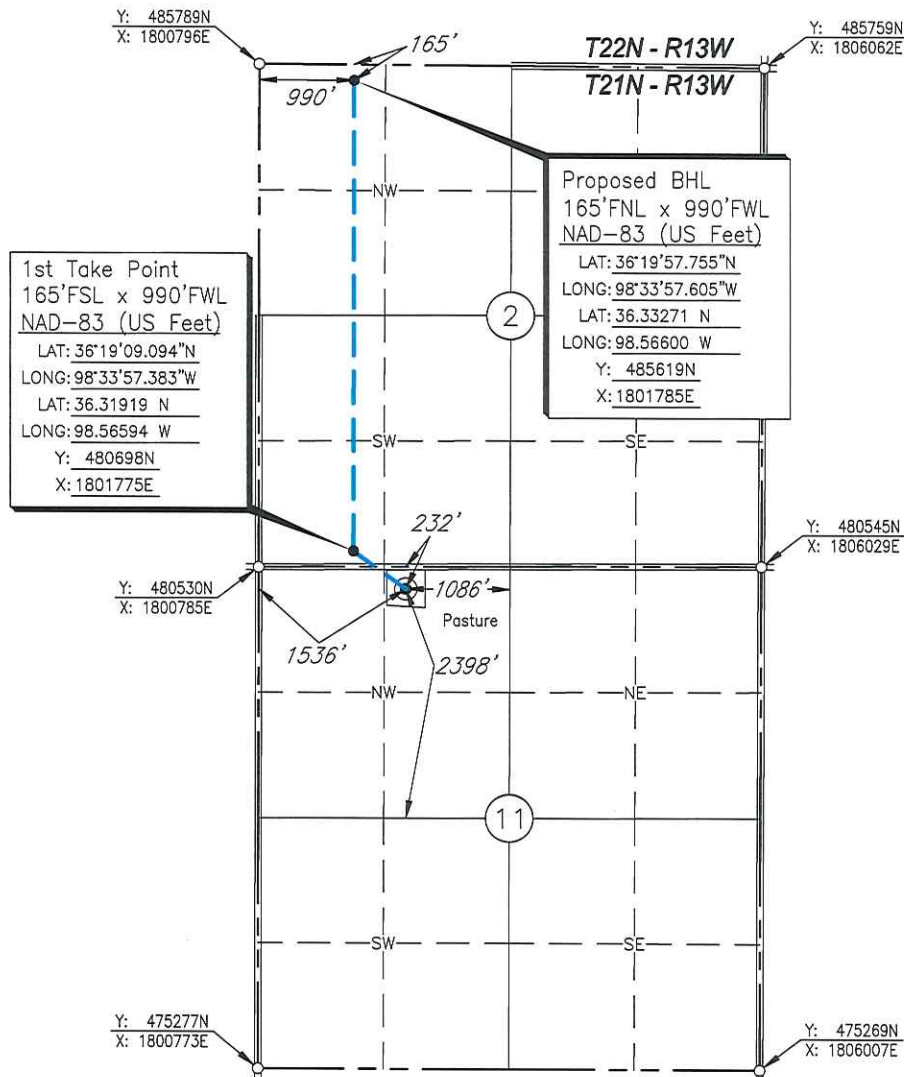
CIMARRON.
SURVEYING & MAPPING CO.
C.A. No. 1780 Expires June 30, 2018

1530 SW 89th Street, Bldg. C3
Oklahoma City, Ok
(405) 692-7348
www.cimsurvey.com

MAJOR

County, Oklahoma

232'FNL - 1536'FWL Section 11 Township 21N Range 13W I.M.



Scale: 1" = 2000'

GPS Observation: Latitude 36°19'05.212" N
Longitude 98°33'50.697" W
Latitude 36.31811 N
Longitude 98.56408 W

Date Staked: June 1, 2017

State Plane NAD83 Y: 480302N
Oklahoma North Zone: X:1802320E

Operator: RED BLUFF RESOURCESElevation: 1324'Lease Name: LackeyWell No.: 2-2MHTopography & Vegetation: PastureAlternate Location Stakes Set: NoGood Drill Site? YesBest Accessibility to Location: From the North Line

Distance & Direction

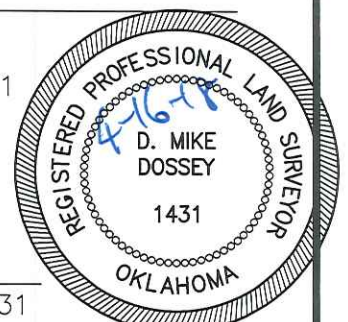
from Hwy Jct or Town: From the town of Fairview; Thence north approx. 3 1/2 miles;
Thence west 5 miles to the Northwest Corner of Section 11.

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.: 171486A	2	ADDED BHL	04/12/18	N.J.S.
DATE: 06/26/17	1	MOVED WELL	03/16/18	N.J.S.
DRAWN BY: N.J.S.	NO.	REVISION	DATE	BY

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





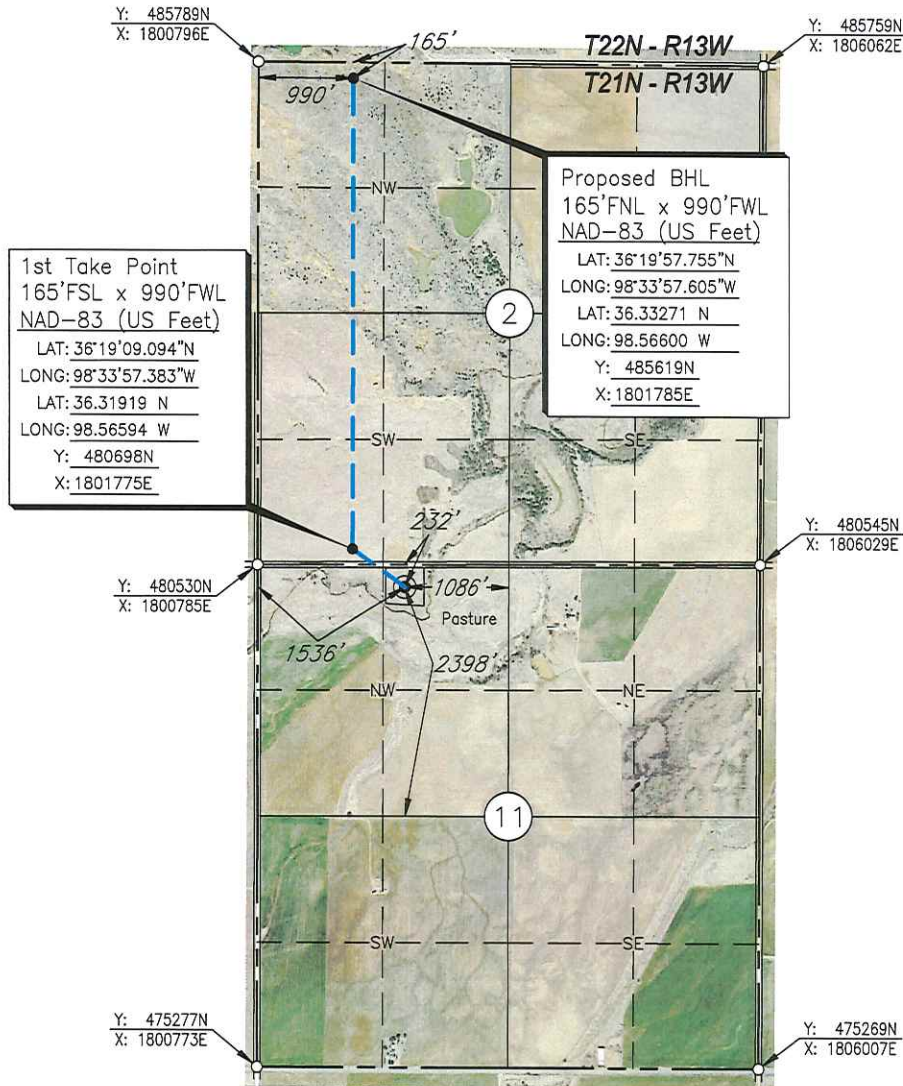
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Operator: RED BLUFF RESOURCES

Elevation: 1324'

Lease Name: Lackey

Well No.: 2-2MH

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction

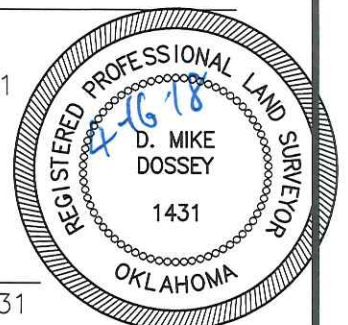
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DRAWN BY: N.J.S.	NO.	REVISION	DATE	BY

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

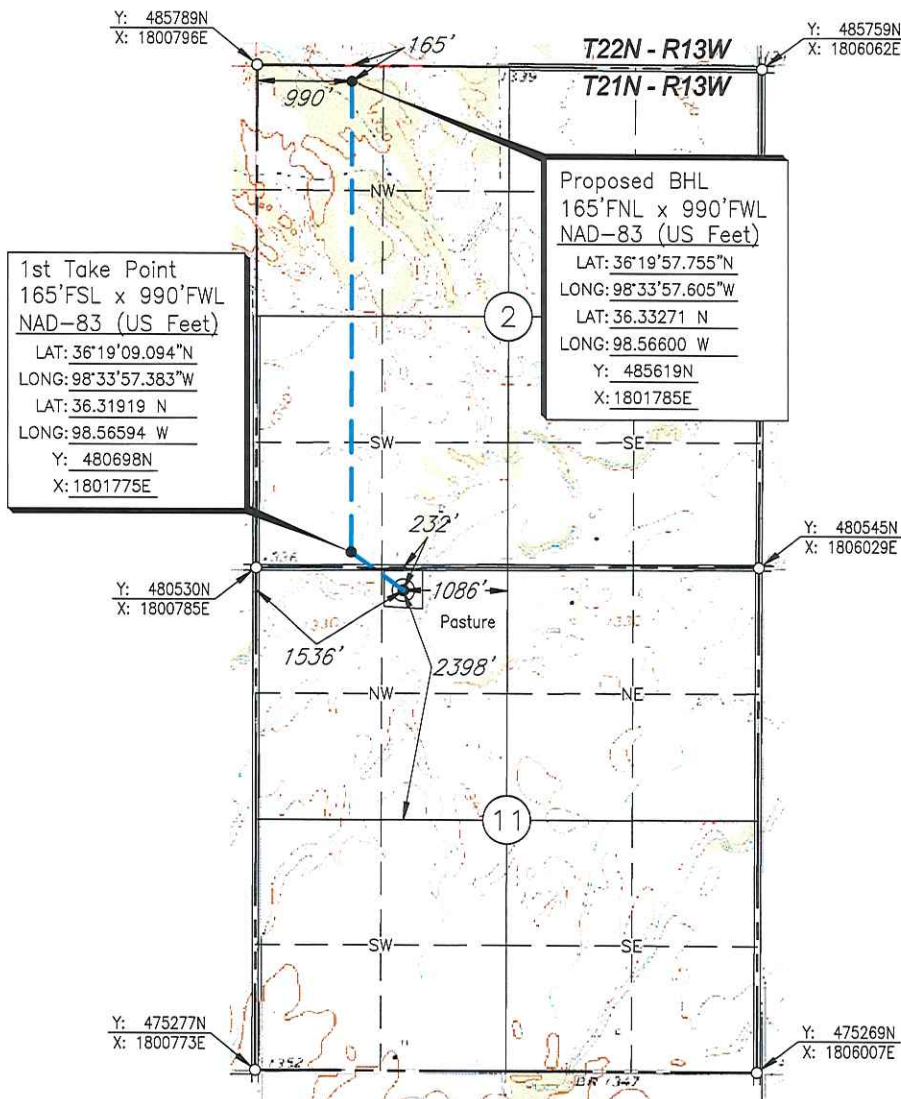




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MAJOR _____ County, Oklahoma
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Oklahoma North Zone: X:1802320E

Operator: RED BLUFF RESOURCES Elevation: 1324'

Lease Name: Lackey Well No.: 2-2MH

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction

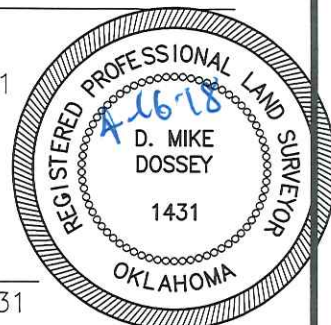
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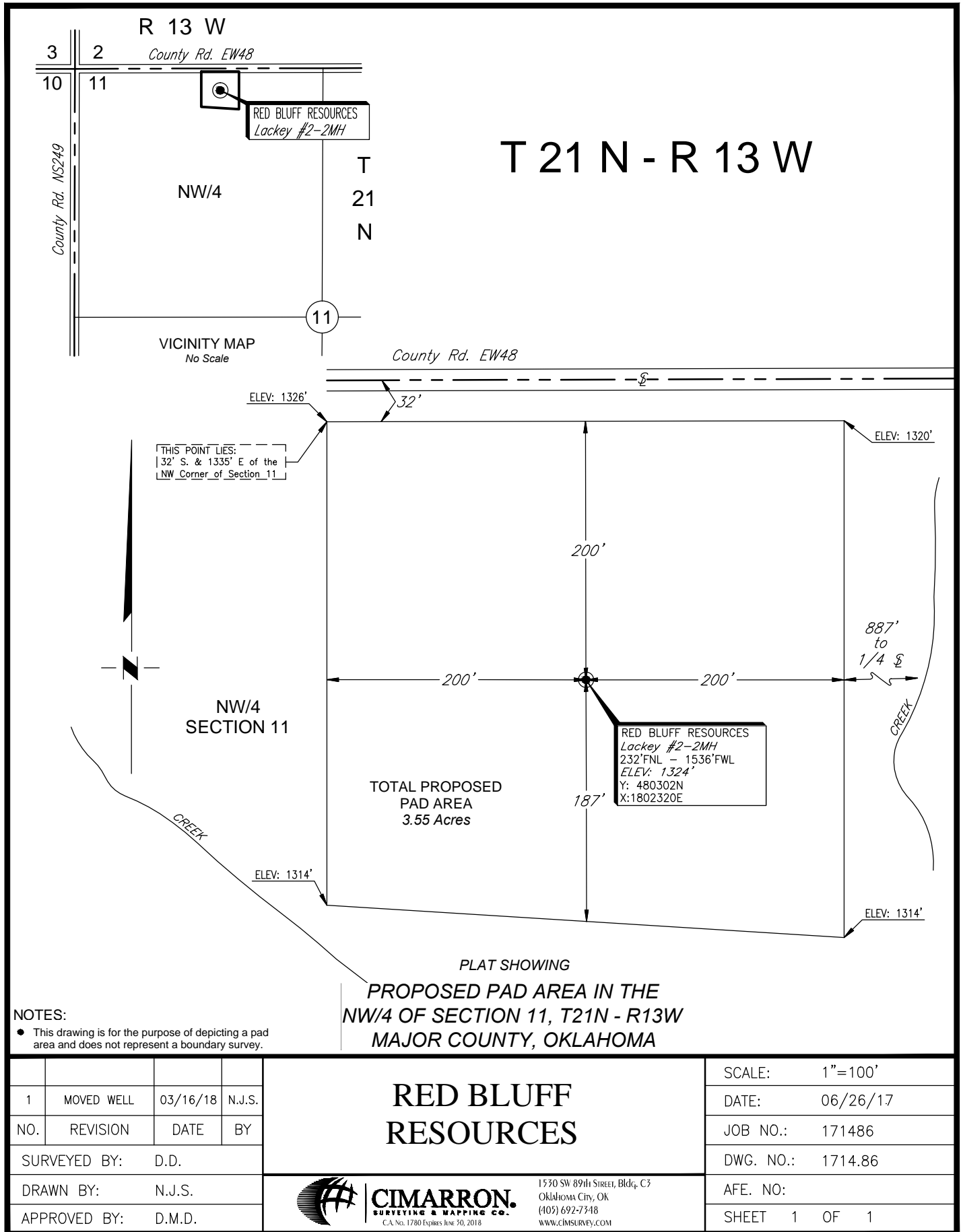
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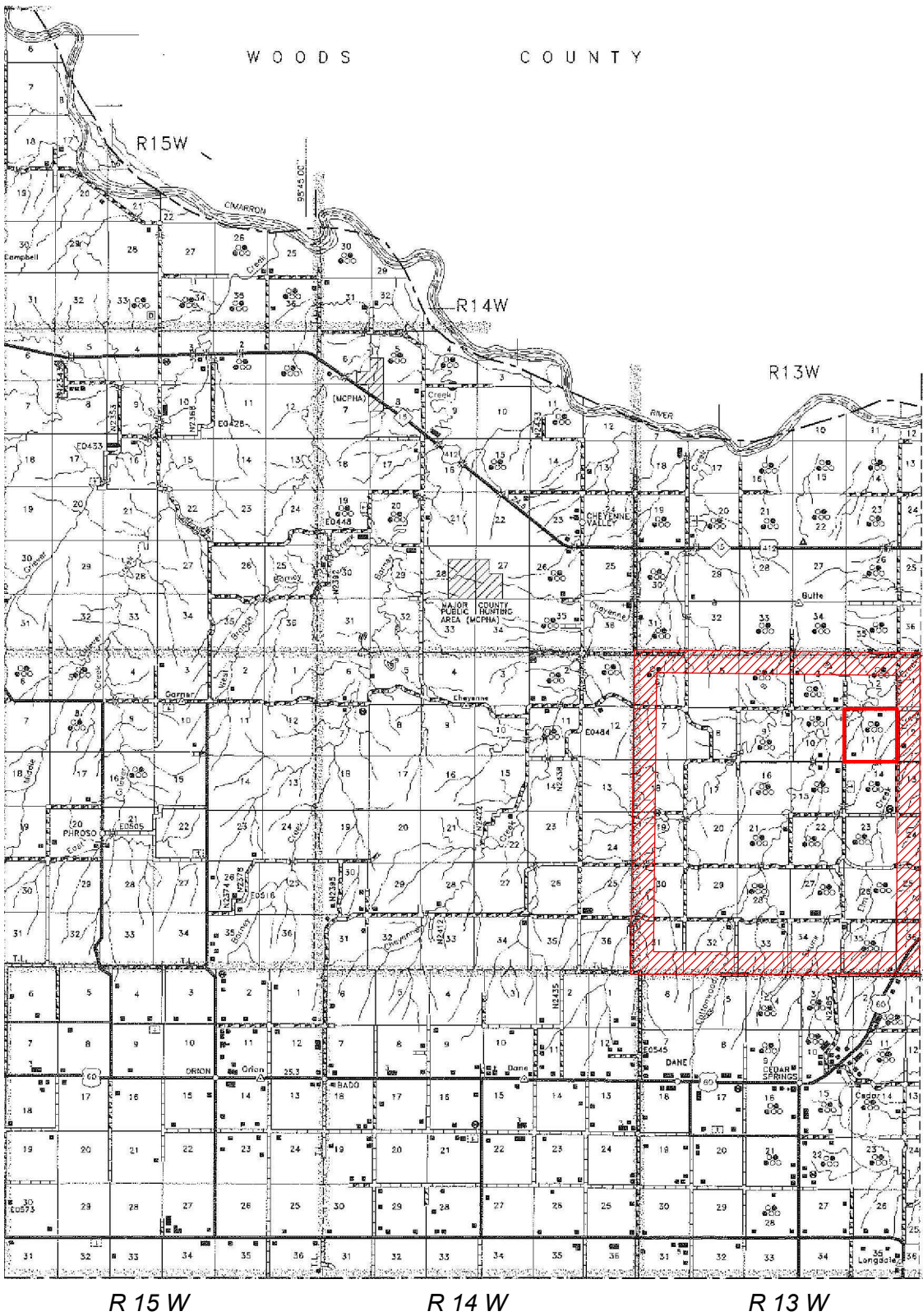
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DRAWN BY: N.J.S.	NO.	REVISION	DATE	BY

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







PLAT SHOWING
VICINITY MAP FOR
SECTION 11 T21N - R13W
MAJOR COUNTY, OKLAHOMA

				<div>RED BLUFF RESOURCES</div>	SCALE:	1" = 3 Miles		
					DATE:	06/26/17		
NO.	REVISION	DATE	BY		JOB NO.:	171486		
SURVEYED BY: D.D.					DWG. NO.:	1714.86_VMAP		
DRAWN BY: N.J.S.					AFE. NO:			
APPROVED BY: D.M.D.				<div><div>CIMARRON. SURVEYING & MAPPING CO. <small>C.A. No. 1780 Expires June 30, 2018</small></div><div>1530 SW 89th STREET, Bldg. C3 Oklahoma City, OK (405) 692-7748 WWW.CIMSURVEY.COM</div></div>	SHEET	1	OF	1