

API NUMBER: 073 26809 A

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

Approval Date: 12/27/2021
Expiration Date: 06/27/2023

Horizontal Hole Oil & Gas

Amend reason: AMEND SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 20 Township: 15N Range: 5W County: KINGFISHER

SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 291 1081

Lease Name: SAMUEL 1505 Well No: 8-20MH Well will be 291 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

CHRISTINE KUELZER, TRUSTEE OF THE CHRISTINE KUELZER
LIVING TRUST
901 W PARK LANE
KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	6900

Spacing Orders: 667267

Location Exception Orders: 721585

Increased Density Orders: No Density

Pending CD Numbers: 202102123

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 12600

Ground Elevation: 1118

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 360

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: 21-38016
H. (Other) CLOSED SYSTEM=STEEL PITS (COTTONWOOD CREEK)

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: SALT PLAINS

HORIZONTAL HOLE 1

Section: 20 Township: 15N Range: 5W Meridian: IM
County: KINGFISHER

Total Length: 5651

Measured Total Depth: 12600

Spot Location of End Point: NW NE NE NE

True Vertical Depth: 7200

Feet From: NORTH 1/4 Section Line: 165

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

Feet From: EAST 1/4 Section Line: 380

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>[12/15/2021 - 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>
LOCATION EXCEPTION – 721585 (202102124)	<p>[12/21/2021 - GB6] - (I.O.) 20-15N-5W X667267 MSNLC X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO WHEELBARGER 20-1 (API# 073-22394) & CHAMBERLAIN 20-9 (API# 073-24158) COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL RED BLUFF RESOURCES OPERATING LLC 11/10/2021</p>
PENDING CD – 202102123	<p>[12/21/2021 - GB6] - (I.O.) 20-15N-5W X667267 MSNLC 2 WELLS NO OPER. NAMED REC. 11/30/2021 (P. PORTER)</p>
SPACING – 667267	<p>[12/21/2021 - GB6] - (640)(HOR) 20-15N-5W VAC 59564/61637 MSSLM W2 20-15N-5W VAC OTHER EXT 654632 MSNLC, OTHERS COMPL. INT. (MSNLC, OTHER) NCT 660' FB (COEXIST SPACING ORDER# 59564 MSSLM E2 20-15N-5W)</p>



CIMARRON[®]
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CA No. 1780 Expires JUNE 30, 2022

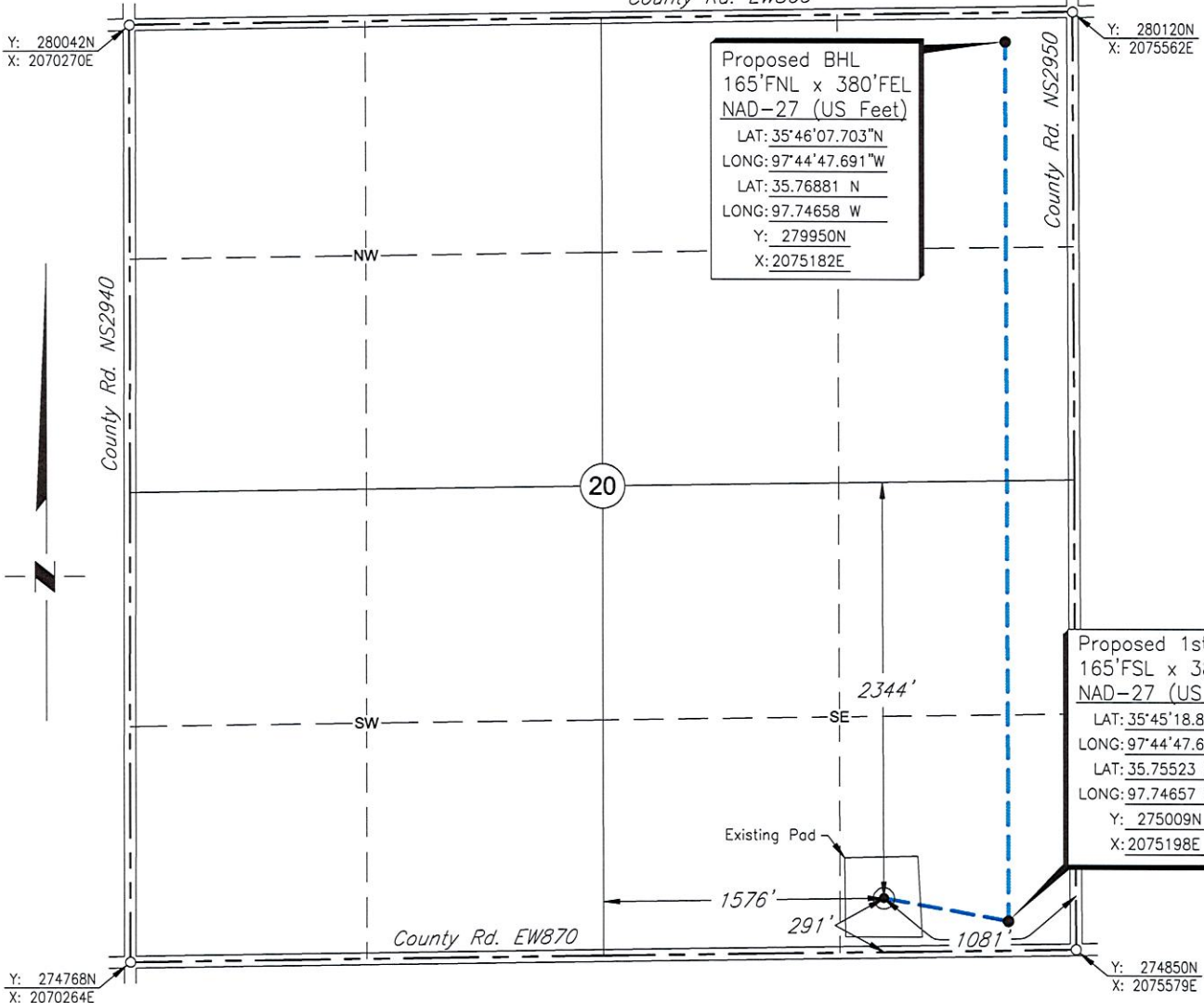
1530 SW 89TH STREET, Bldg. C3
OKLAHOMA City, OK
(405) 692-7348
CIMSURVEY.COM

KINGFISHER

County, Oklahoma

291'FSL - 1081'FEL Section 20 Township 15N Range 5W I.M.

County Rd. EW860



Scale: 1"= 1000'

Date Staked: December 8, 2021

GPS Observation: Latitude 35°45'19.996" N
Longitude 97°44'56.155" W
Latitude 35.75555 N
Longitude 97.74893 W

State Plane NAD27 Y: 275124N
Oklahoma North Zone: X:2074497E

Operator: RED BLUFF RESOURCES

Elevation: 1118'

Lease Name: SAMUEL 1505

Well No.: 8-20MH

Topography & Vegetation: Existing Pad

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the South Line

Distance & Direction

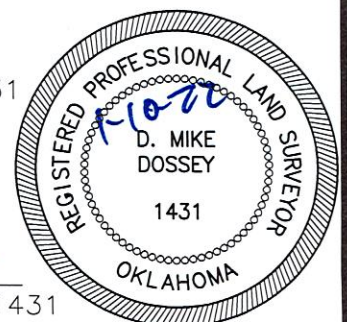
from Hwy Jct or Town: From the town of Cashion; Thence West approx. 3³/₄ miles; Thence South 3 miles to the SE Corner of Section 20.

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.: 2114260				
DATE: 12/13/21	1	MOVED WELL HEAD	01/10/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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





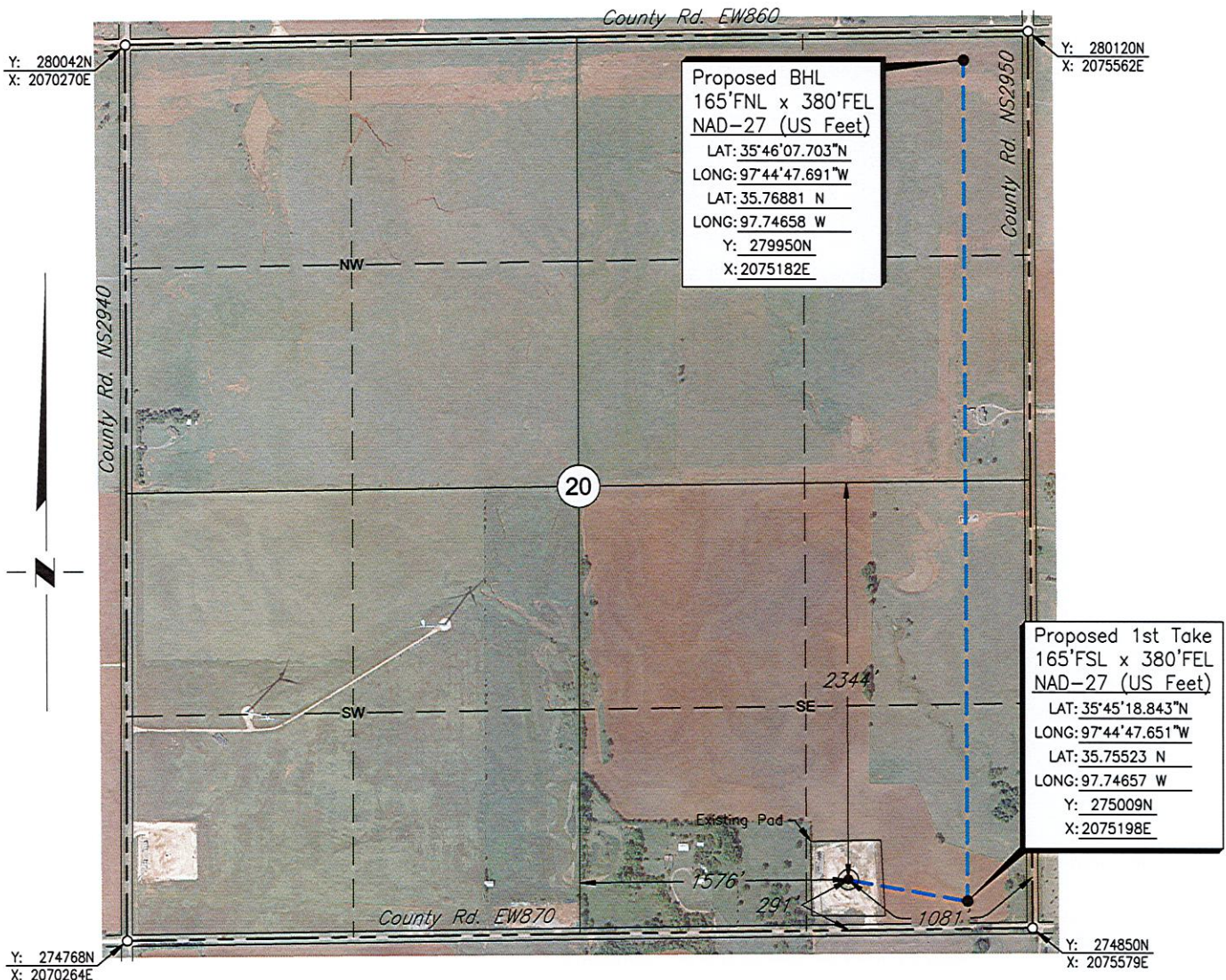
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SURVEYING & MAPPING CO.
C.A. No. 1780 Expires JUNE 30, 2022

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

KINGFISHER

County, Oklahoma

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Latitude 35.75555 N
Longitude 97.74893 W

State Plane NAD27 Y: 275124N
Oklahoma North Zone: X:2074497E

Operator: RED BLUFF RESOURCES

Elevation: 1118'

Lease Name: SAMUEL 1505

Well No.: 8-20MH

Topography & Vegetation: Existing Pad

Alternate Location Stakes Set: No

Good Drill Site? Yes

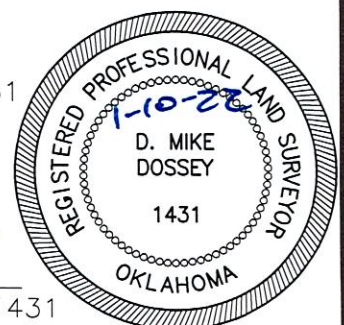
Best Accessibility to Location: From the South Line

Distance & Direction

from Hwy Jct or Town: From the town of Cashion; Thence West approx. 3³/₄ miles; Thence South 3 miles to the SE Corner of Section 20.

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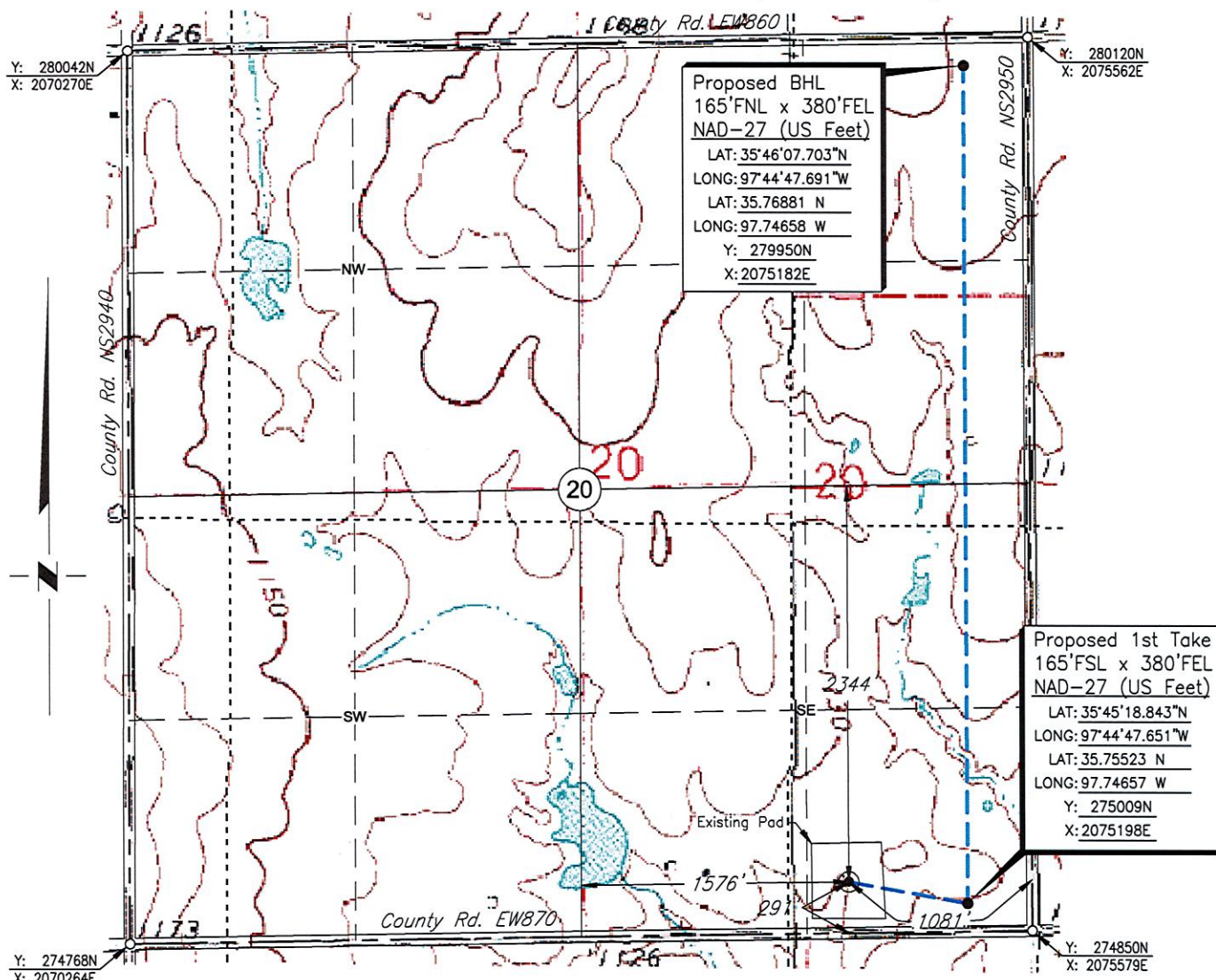
JOB NO.: 2114260_AERIAL				
DATE: 12/13/21	1	MOVED WELL HEAD	01/10/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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

KINGFISHER

County, Oklahoma

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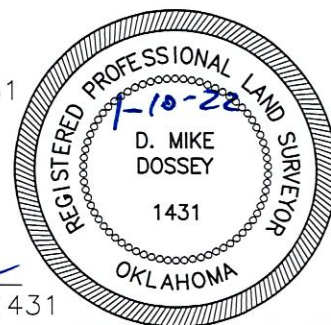
Best Accessibility to Location: From the South Line

Distance & Direction

from Hwy Jct or Town: From the town of Cashion; Thence West approx. $3\frac{3}{4}$ miles; Thence South 3 miles to the SE 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.



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

JOB NO.: 2114260_TOPO				
DATE: 12/13/21	1	MOVED WELL HEAD	01/10/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

T 15 N - R 5 W

R 5 W

20

SE/4

RED BLUFF RESOURCES
Samuel 1505 #8-20MH

RED BLUFF RESOURCES
Samuel 1505 #5-20MH

RED BLUFF RESOURCES
Samuel 1505 #1-29MH

County Rd. EW87

VICINITY MAP
No Scale

County Rd. NS295

T
15
N

20 21
29 28

SE/4
SECTION 20

RED BLUFF RESOURCES
Samuel 1505 #8-20MH
291'FSL - 1081'FEL
ELEV: 1118'
Y: 275124N
X:2074497E

RED BLUFF RESOURCES
Samuel 1505 #1-29MH
241'FSL - 1081'FEL
ELEV: 1118'
Y: 275074N
X:2074497E

RED BLUFF RESOURCES
Samuel 1505 #5-20MH
266'FSL - 1081'FEL
ELEV: 1118'
Y: 275099N
X:2074497E

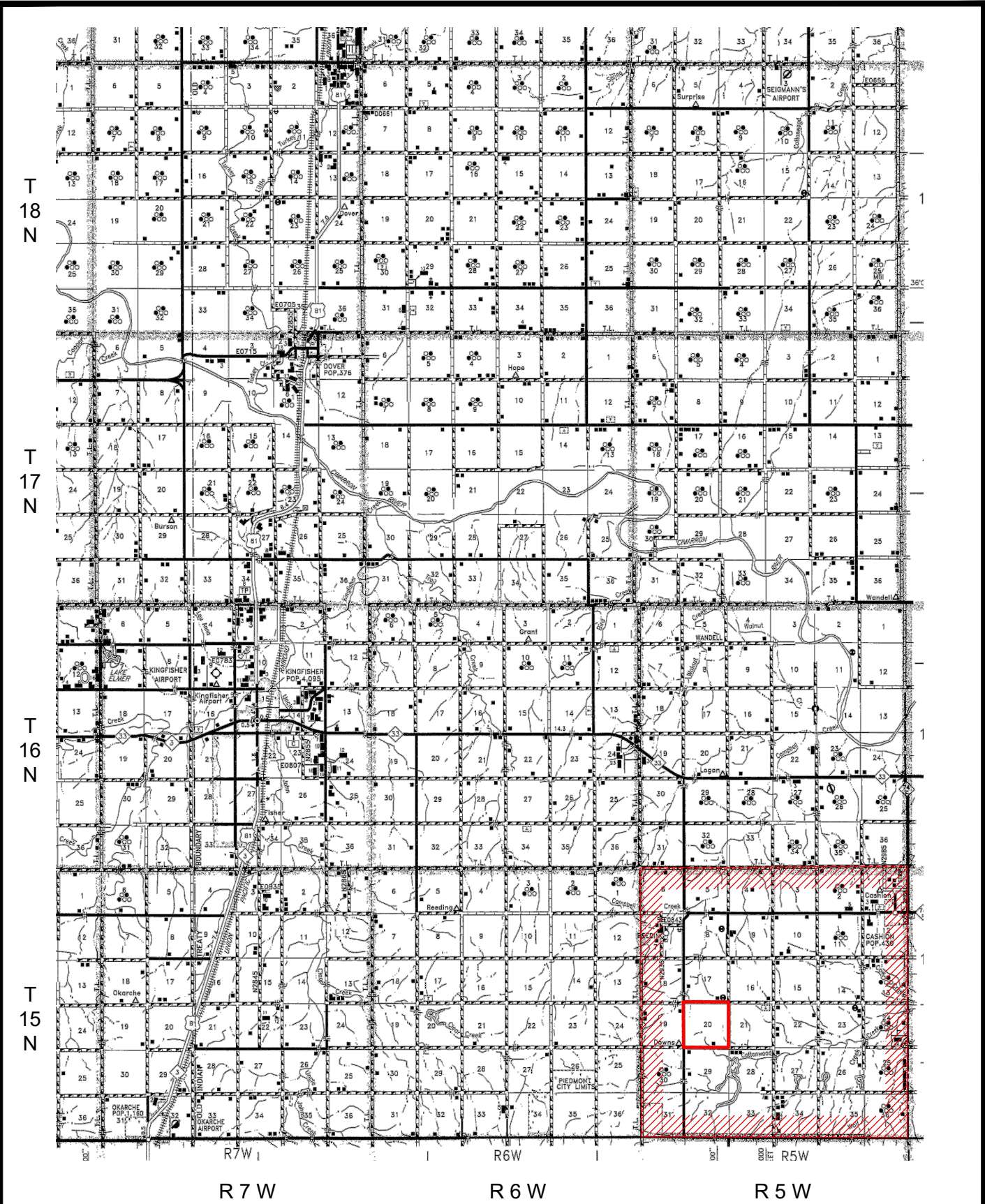
County Rd. NS2940

PLAT SHOWING
PROPOSED WELL LOCATION IN THE
SE/4 OF SECTION 20, T15N - R5W
KINGFISHER COUNTY, OKLAHOMA

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'		
1	MOVED WELL HEAD	01/10/22	T.A.W.		DATE:	12/13/21		
NO.	REVISION	DATE	BY		JOB NO.:	2114260		
SURVEYED BY: N.H.					DWG. NO.:	2114.260_PAD		
DRAWN BY: T.A.W.					AFE. NO:			
APPROVED BY: D.M.D.					SHEET	1	OF	1
				 CIMARRON. SURVEYING & MAPPING CO. CA No. 1780 Expires June 30, 2022	1530 SW 89th STREET, Bldg. C3 OKLAHOMA City, OK (405) 692-7348 www.CIMSURVEY.COM			



PLAT SHOWING
VICINITY MAP FOR
SECTION 20, T15N - R5W
KINGFISHER COUNTY, OKLAHOMA

				SCALE: 1" = 3 Miles	
				DATE: 12/13/21	
NO.	REVISION	DATE	BY	JOB NO.: 2114260	
SURVEYED BY: N.H.				DWG. NO.: 2114.260_VMAP	
DRAWN BY: T.A.W.				AFE. NO:	
APPROVED BY: D.M.D.				SHEET 1 OF 1	

RED BLUFF RESOURCES



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