

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

API NUMBER: 017 25133

Approval Date: 11/29/2017

Expiration Date: 05/29/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 14N Rge: 5W

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 138 737

Lease Name: MOFFAT

Well No: 7-18-19MH

Well will be 138 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

MOFFAT FARMS LIMITED PARTNERSHIP
5905 MOFFAT RD. NW
PIEDMONT OK 73078

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

	Name	Depth	Name	Depth
1	CHESTER	7430	6	
2	MISSISSIPPIAN (EX CHESTER)	7551	7	
3	WOODFORD	7843	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707005
201707006
201707007
201707008

Special Orders:

Total Depth: 17496

Ground Elevation: 1187

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 650

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 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

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

PERMIT NO: 17-33467

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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

Sec 19 Twp 14N Rge 5W County CANADIAN

Spot Location of End Point: S2 SW SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 990

Depth of Deviation: 6928

Radius of Turn: 477

Direction: 183

Total Length: 9819

Measured Total Depth: 17496

True Vertical Depth: 7927

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/17/2017 - 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

MEMO

11/17/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201707005

11/22/2017 - G57 - (640)(HOR) 19-14N-5W
VAC 79795/185873 MISS **
VAC OTHER
EXT 665463 CSTR, MSNLC
EXT 630106 WDFD, OTHER
POE TO BHL (CSTR, MSNLC) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 11/21/2017 (P. PORTER)

** S/B VAC 71795/185873 MISS; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR

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

017 25133 MOFFAT 7-18-19MH

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.

Category	Description
PENDING CD - 201707006	11/22/2017 - G57 -(640)(HOR) 18-14N-5W VAC 71795 MISS VAC OTHER EXT 665463 CSTR, MSNLC EXT 630106 WDFD, HNTN POE TO BHL (MSNLC, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 11/21/2017 (P. PORTER)
PENDING CD - 201707007	11/22/2017 - G57 - (I.O.) 18 & 19-14N-5W EST MULTIUNIT HORIZONTAL WELL X201707005 CSTR, MSNLC, WDFD, OTHER 19-14N-5W X201707006 CSTR, MSNLC, WDFD, OTHER 18-14N-5W (WDFD & CSTR ASSOCIATED COMMON SOURCE OF SUPPLY TO MSNLC) 50% 18-14N-5W 50% 19-14N-5W RED BLUFF RESOURCES OPERATING, LLC REC 11/21/2017 (P. PORTER)
PENDING CD - 201707008	11/22/2017 - G57 - (I.O.) 18 & 19-14N-5W X201707005 CSTR, MSNLC, WDFD, OTHER 19-14N-5W X201707006 CSTR, MSNLC, WDFD, OTHER 18-14N-5W COMPL. INT.(18-14N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL OR FWL COMPL. INT.(19-14N-5W) NCT 0' FNL, NCT 165' FSL NCT 330' FEL OR FWL RED BLUFF RESOURCES OPERATING, LLC REC 11/21/2017 (P. PORTER)

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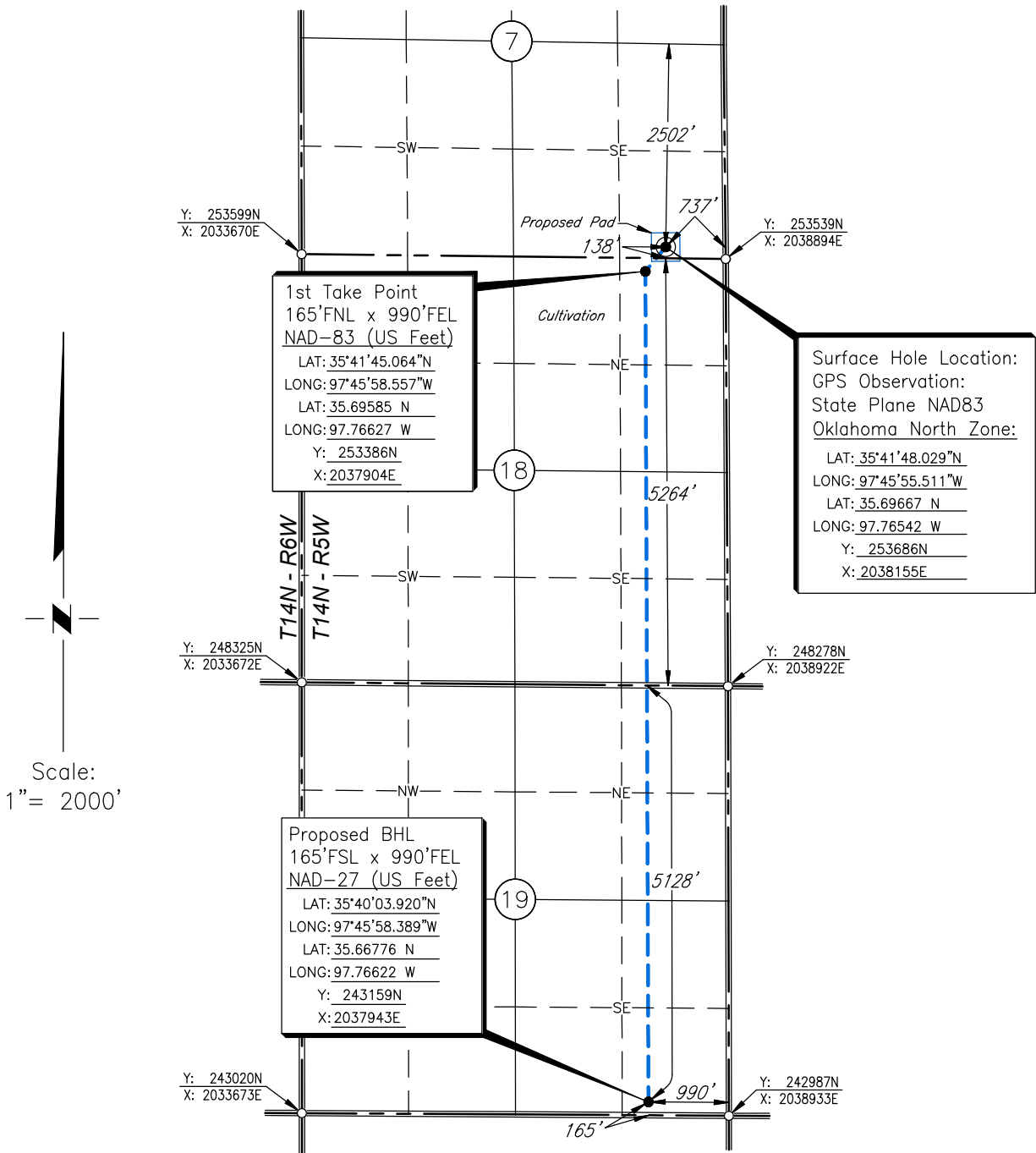


CIMARRON[®]
SURVEYING & MAPPING CO.

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

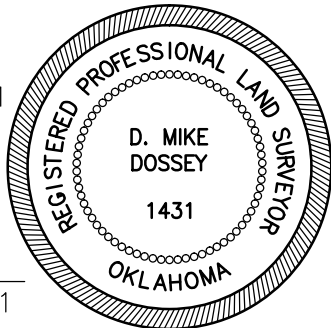
Oklahoma City, OK
(405) 692-7348
CIMSURVEY.COM

CANADIAN County, Oklahoma
138'FSL – 737'FEL Section 7 Township 14N Range 5W I.M.



Operator: RED BLUFF RESOURCES Date Staked: October 18, 2017
Lease Name: Moffat Well No.: 7-18-19MH Elevation: 1187'
Topography & Vegetation: Cultivation Alternate Location Stakes Set: No
Good Drill Site? Yes Best Accessibility to Location: From the South East Line
Distance & Direction
from Hwy Jct or Town: From the town of Piedmont; Thence North along St. Hwy 4
approx. 3 miles; Thence West 1 mile; Thence North 1 mile to the SE corner of Section 7.

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.



PRELIMINARY

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

JOB NO.: 1714180A				
DATE: 11/03/17				
DRAWN BY: S.R.T.	NO.	REVISION	DATE	BY

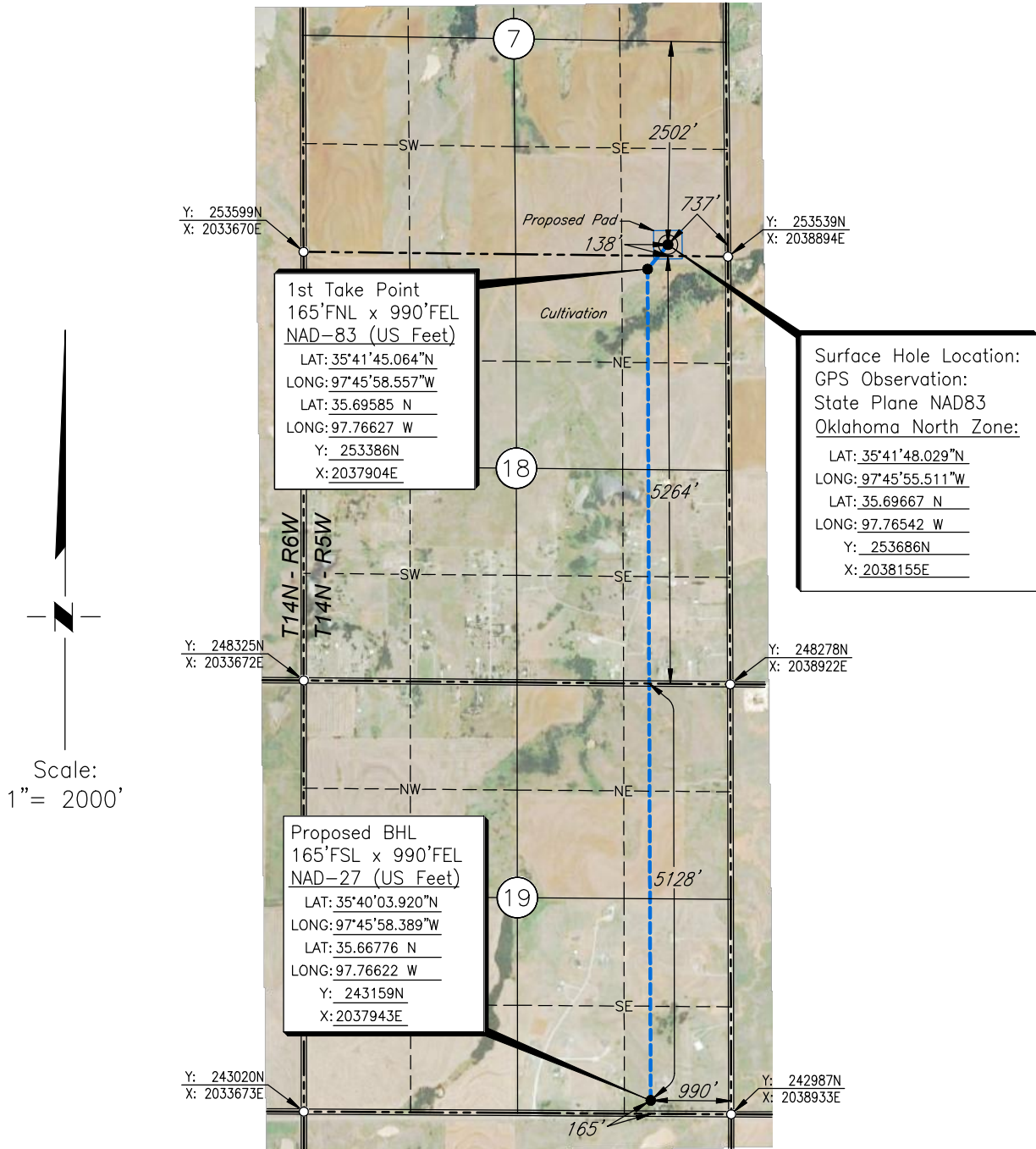


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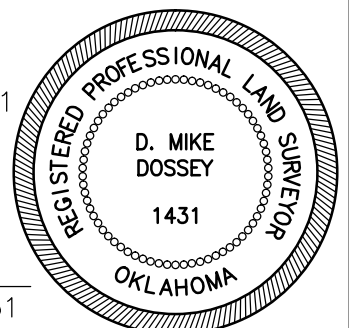
SURVEYOR'S CERTIFICATE:

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JOB NO.:1714180A_AERIAL				
DATE: 11/03/17				
DRAWN BY: S.R.T.	NO.	REVISION	DATE	BY

PRELIMINARY

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



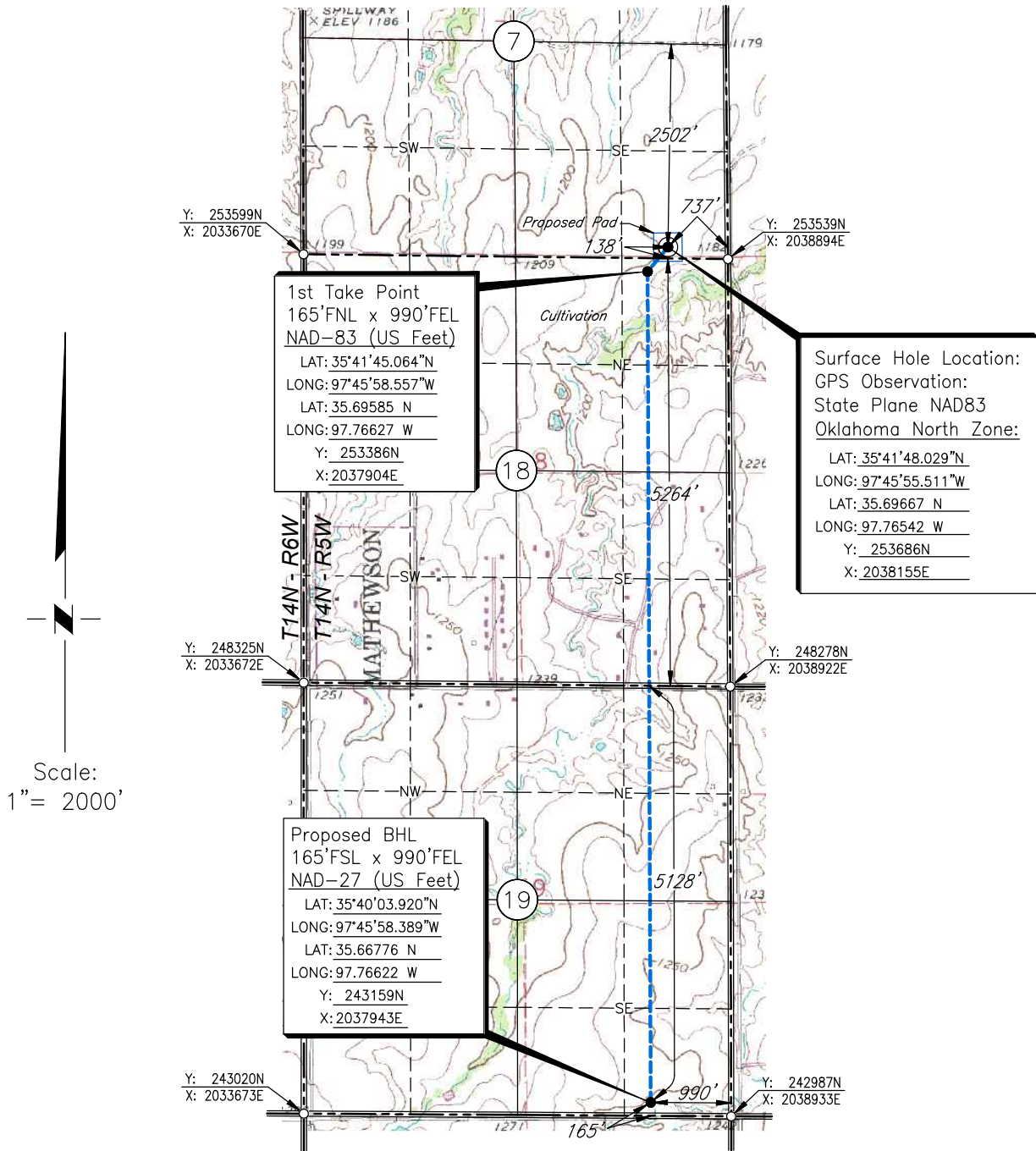


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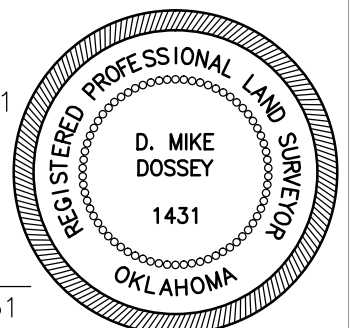
SURVEYOR'S CERTIFICATE:

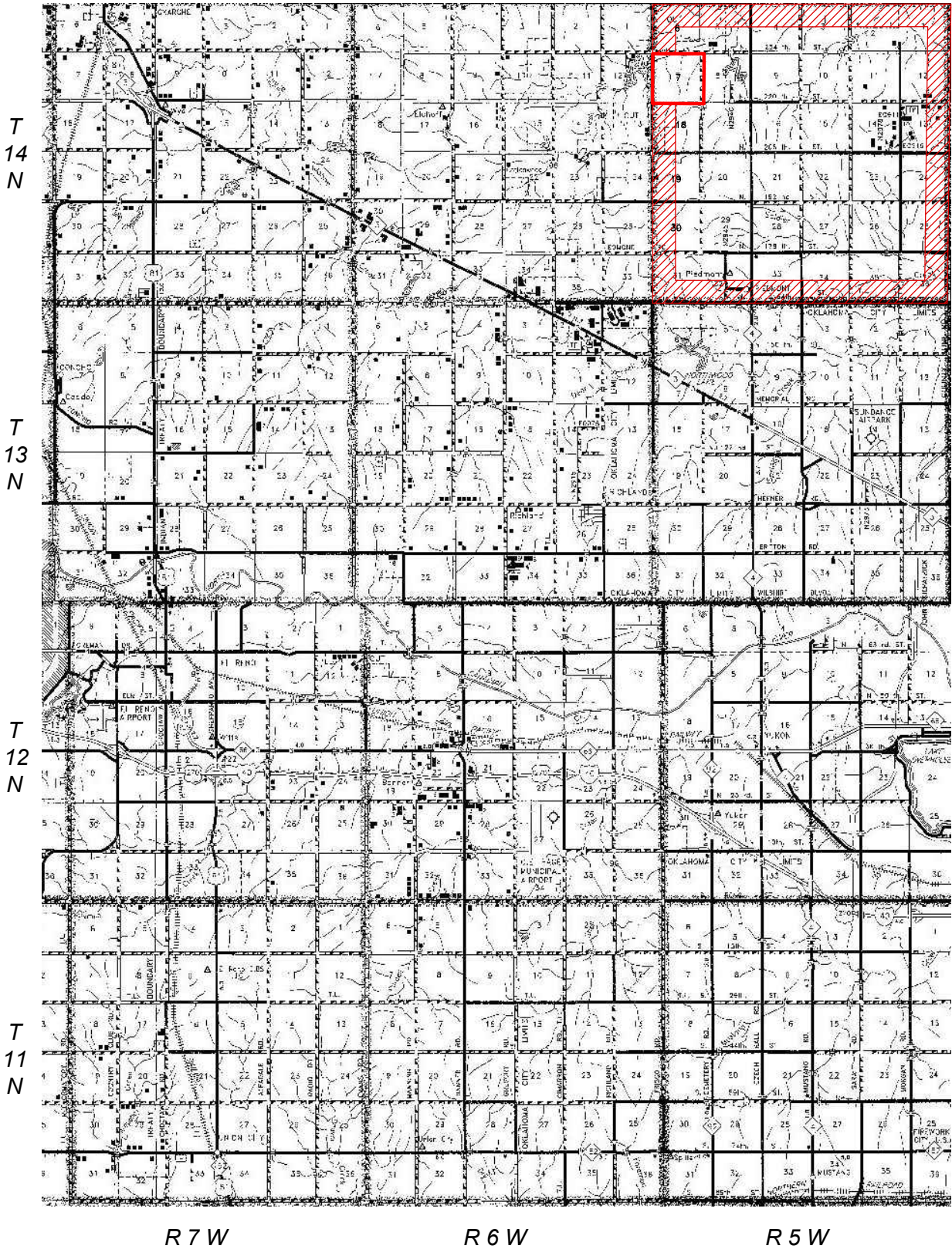
I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.

JOB NO.:1714180A_TOPO				
DATE: 11/03/17				
DRAWN BY: S.R.T.	NO.	REVISION	DATE	BY

PRELIMINARY

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

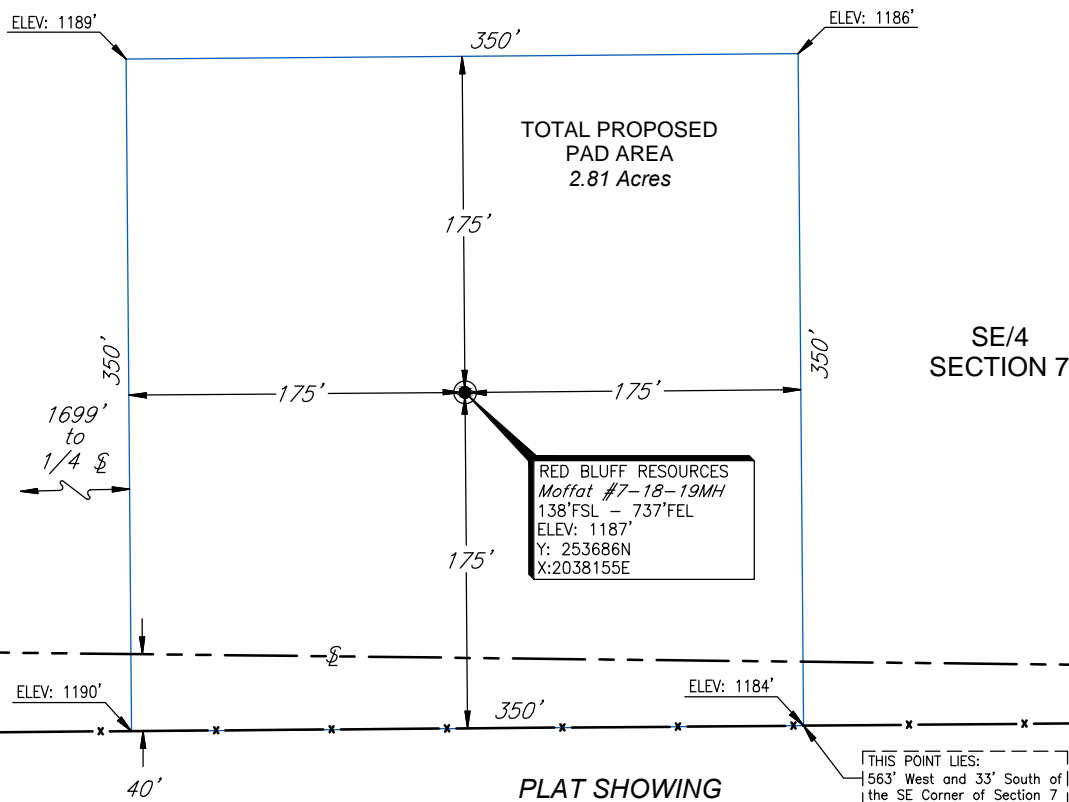
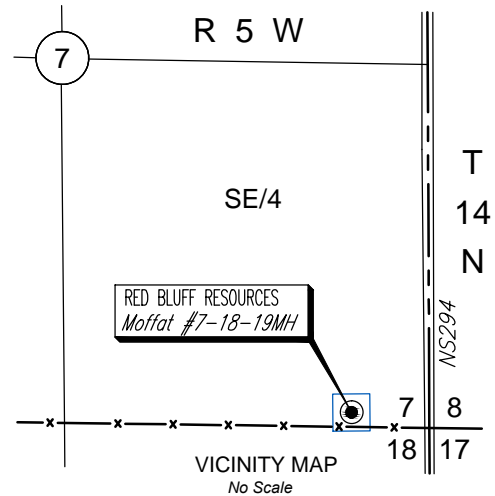




PLAT SHOWING
VICINITY MAP FOR
SECTION 7, T14N - R5W
CANADIAN COUNTY, OKLAHOMA

				RED BLUFF RESOURCES	SCALE:	1" = 3 Miles
					DATE:	11/03/17
					JOB NO.:	1714180
					DWG. NO.:	1714.180_VMAP
NO.	REVISION	DATE	BY	 <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>	AFE. NO:	
SURVEYED BY:		N.H.			SHEET	1 OF 1
DRAWN BY:		S.R.T.				
APPROVED BY:		D.M.D.				

T 14 N - R 5 W



NOTES:

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

				<div>RED BLUFF RESOURCES</div>	SCALE:	1"=100'
					DATE:	11/03/17
NO.	REVISION	DATE	BY		JOB NO.:	1714180
SURVEYED BY: N.H.					DWG. NO.:	1714.180
DRAWN BY: S.R.T.					AFE. NO:	
APPROVED BY: D.M.D.				<div><div><div>CIMARRON. SURVEYING & MAPPING CO.</div><div>C.A. No. 1780 Expires June 30, 2018</div></div><div>1530 SW 89th STREET, Bldg. C3 Oklahoma City, OK (405) 692-7748 WWW.CIMSURVEY.COM</div></div>	SHEET 1 OF 1	