

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

API NUMBER: 003 23383

Approval Date: 09/11/2019

Expiration Date: 03/11/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 25N Rge: 11W County: ALFALFA

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 230 455

Lease Name: MCCRADY 4-25-11 Well No: 2H Well will be 230 feet from nearest unit or lease boundary.

Operator Name: BCE-MACH LLC

Telephone: 4052528151

OTC/OCC Number: 24174 0

BCE-MACH LLC
14201 WIRELESS WAY STE 300
OKLAHOMA CITY, OK 73134-2512

PARTHENA MCCRADY REV. LIVING TRUST
P.O. BOX 3448
ENID OK 73702

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5673	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 599978

Location Exception Orders: 695315

Increased Density Orders: 695372

Pending CD Numbers:

Special Orders:

Total Depth: 10500 Ground Elevation: 1241

Surface Casing: 410

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

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: 25000 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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36900
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 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.

HORIZONTAL HOLE 1

Sec 04 Twp 25N Rge 11W County ALFALFA

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5345

Radius of Turn: 484

Direction: 3

Total Length: 4395

Measured Total Depth: 10500

True Vertical Depth: 5800

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category

Description

HYDRAULIC FRACTURING

8/15/2019 - 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

INCREASED DENSITY - 695372

9/11/2019 - GC3 - 4-25N-11W
X599978 MSSP
1 WELL
BCE-MACH LLC
4-30-19

LOCATION EXCEPTION - 695315

9/11/2019 - GC3 - (I.O.) 4-25N-11W
X599978 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL
BCE-MACH LLC
4-29-19

SPACING - 599978

9/11/2019 - GB1 - (640) 4-25N-11W
EST OTHER
EXT OTHER
EXT 590058 MSSP, OTHERS

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

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003 23383 MCCRADY 4-25-11 2H

003-23383

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

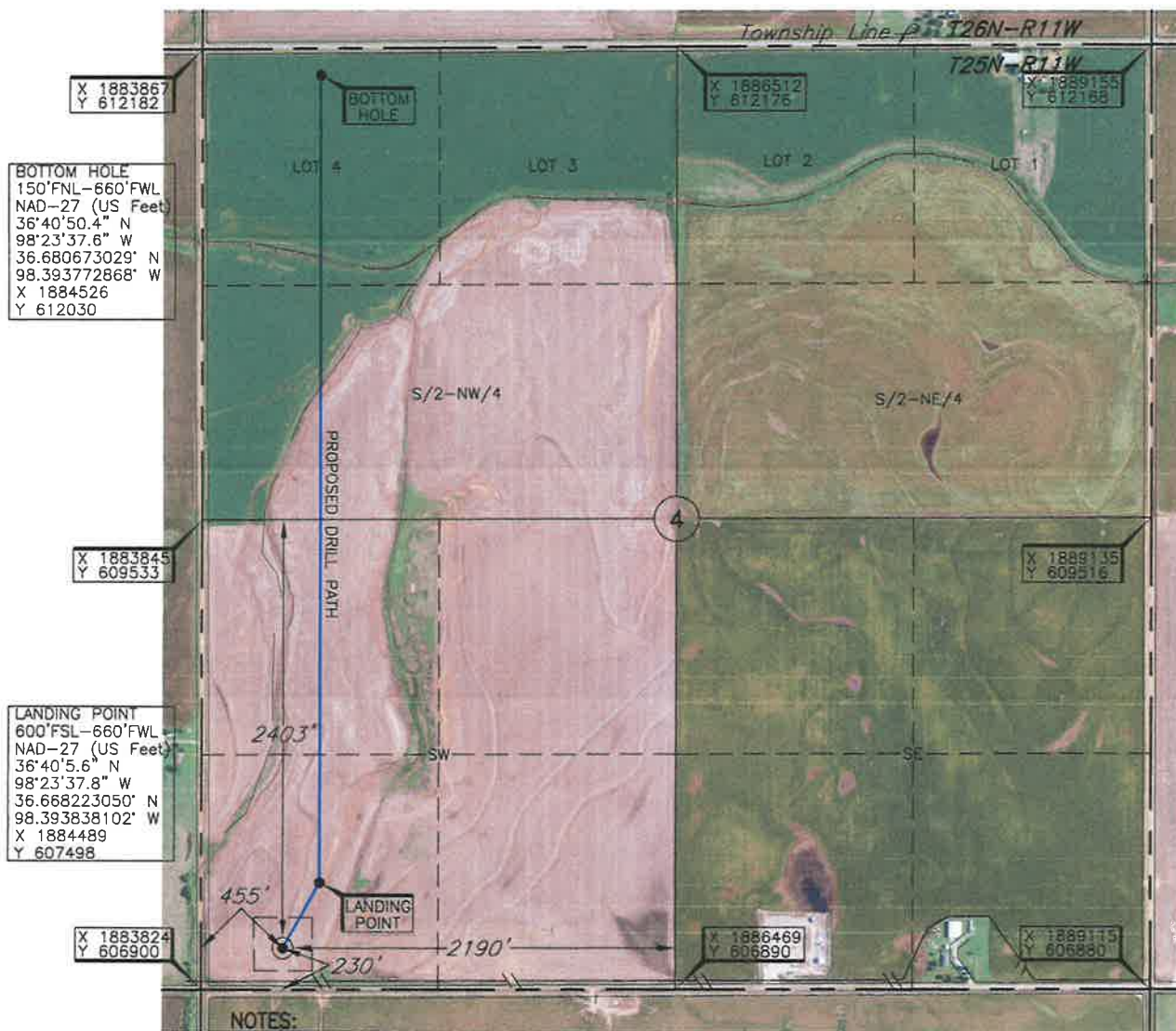
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

230' FSL - 455' FWL Section 4 Township 25N Range 11W I.M.



Operator: BCE-MACH LLC

Lease Name: MCCRADY 4-25-11

Well No.: 2H

ELEVATION:

1241' Gr. at Stake

Topography & Vegetation Loc. fell in terraced wheat field, possible gas line South of pad

Good Drill Site? ☒ Yes ☐ No

Reference Stakes or Alternate Location
Stakes Set ☐ None ☐ Yes

Best Accessibility to Location From South off county road

Distance & Direction

from Hwy Jct or Town From Cherokee, OK, go ±5.0 mi. South, then ±2.0 mi. West,
then ±1.0 mi. South to the SW Cor. of Sec. 4-T25N-R11W

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

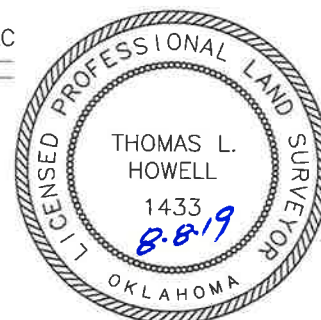
DATUM: NAD-27
LAT: 36°40'01.9"N
LONG: 98°23'40.4"W
LAT: 36.667206806' N
LONG: 98.394542410' W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1884281
Y: 607129

Date of Drawing: Aug. 07, 2019
Project # 127370 Date Staked: Aug. 06, 2019 AC

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
Oklahoma Lic. No. 1433



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

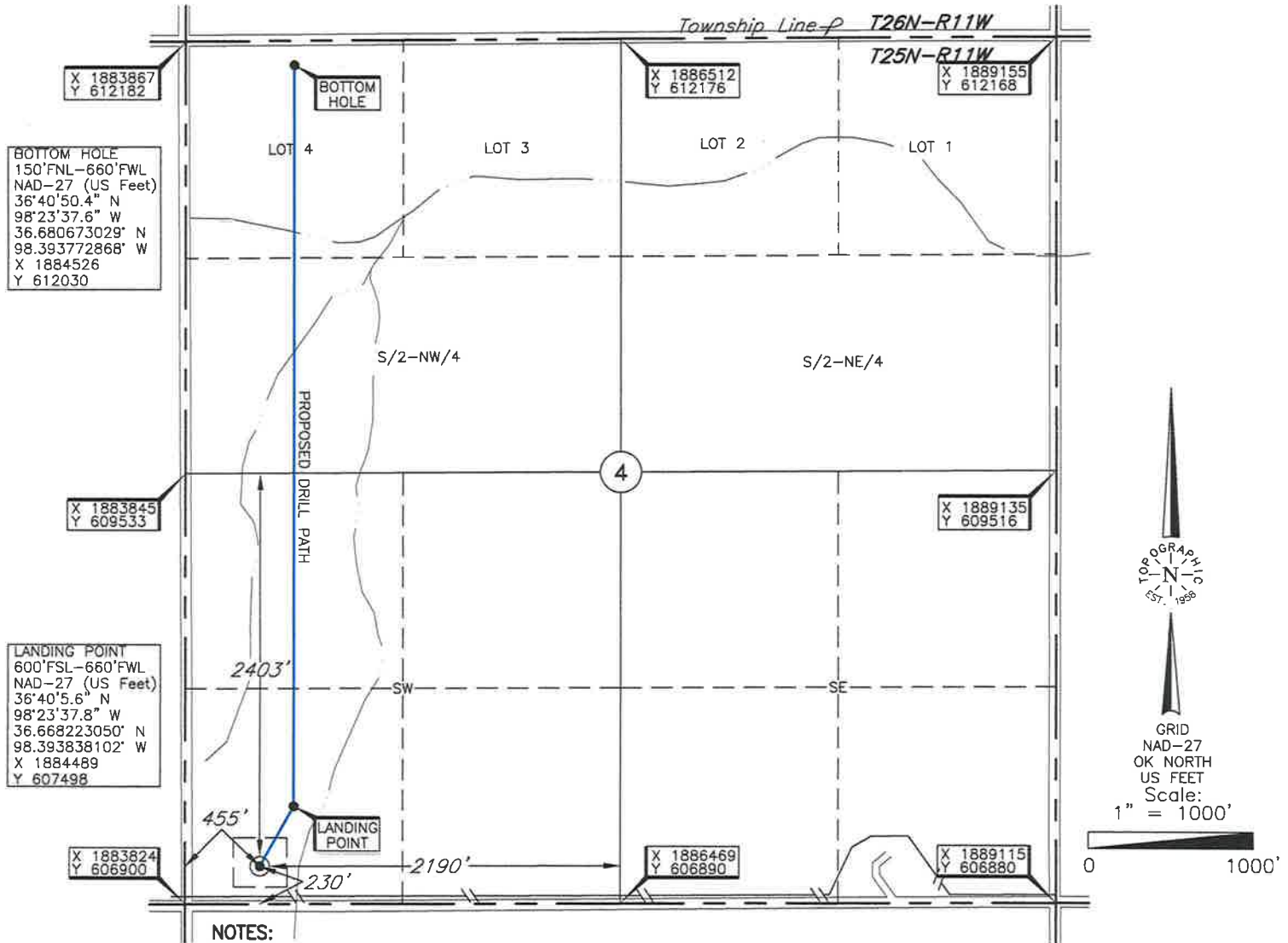
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County, Oklahoma

230'FSL - 455'FWL Section 4 Township 25N Range 11W I.M.



NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
- LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

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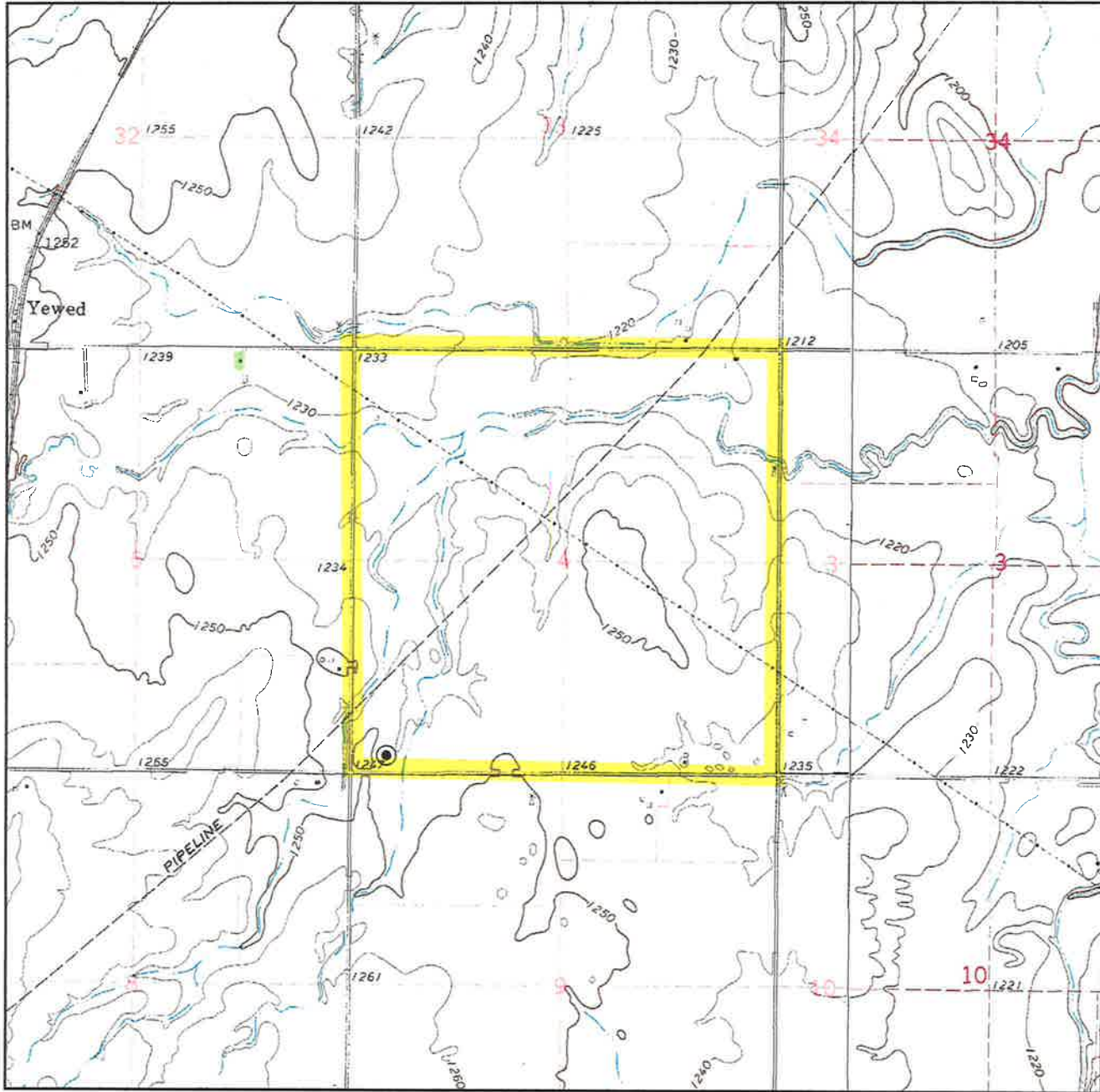
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 4 Twp. 25N Rng. 11W IM

County ALFALFA State OK

Operator BCE-MACH LLC

Description 230'FSL - 455'FWL

Lease MCCRADY 4-25-11 2H

Elevation 1241' Gr. at Stake

Above Background Data from
U.S.G.S. Topographic Map

Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground
elevation of the location stake.
Review this plat and inform us immediately of
any possible discrepancy.



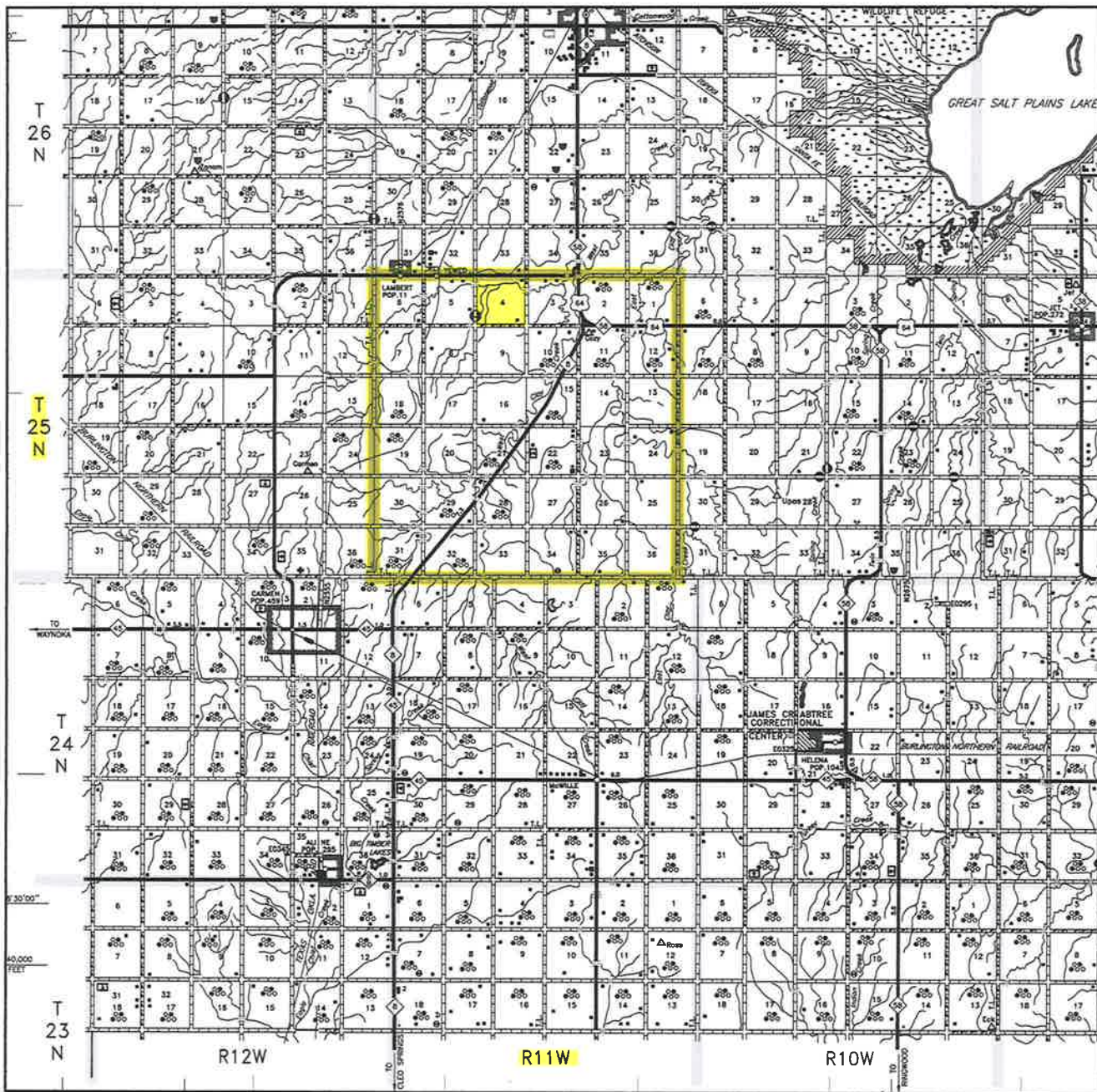
LAND SURVEYORS OF OKLAHOMA

Aug. 06, 2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 4 Twp. 25N Rng. 11W IM

County ALFALFA State OK

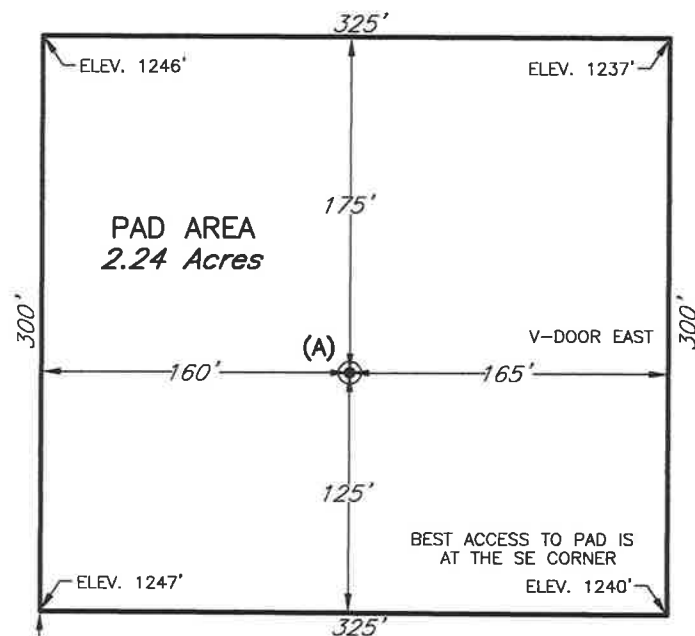
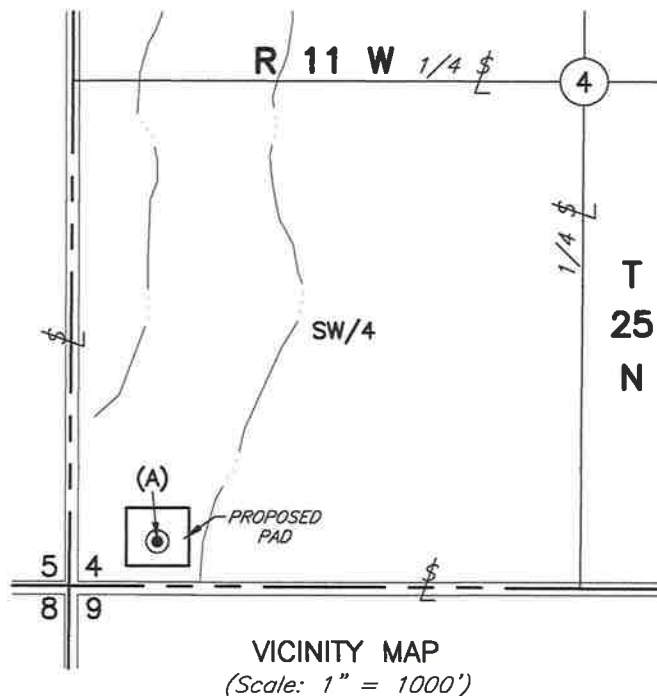
Operator BCE-MACH LLC



LAND SURVEYORS OF OKLAHOMA

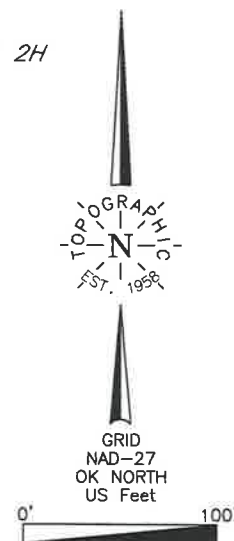
T 25 N — R 11 W
(INDIAN MERIDIAN)

PLAT SHOWING
PROPOSED PAD AREA IN THE
SW/4 OF SECTION 4, T25N — R11W
ALFALFA COUNTY, OKLAHOMA



BCE-MACH LLC
(A) MCCRADY 4-25-11 2H
230'FSL-455'FWL
Elev. 1241' Gr.

SECTION 4
SW/4



NOTE:

The information shown herein is
for construction purposes ONLY.

				This plat was prepared exclusively for		SCALE: 1"=100'	
				BCE-MACH LLC		DATE: 8/08/2019	
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.		PROJECT NO.: 127370	
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY		FILE NAME: L4000A	
SUR. BY: DJ127370				TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA		DWG NO.: 113014-L4-000-A	
DRAWN BY: AC				13800 Wireless Way, Okla. City, OK, 73134 (405) 843-4847		SHEET 1 OF 1	
APPROVED BY: TH				Certificate of Authorization No. 1293 LS			