

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

API NUMBER: 049 25265

Approval Date: 02/12/2019

Expiration Date: 08/12/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 1N Rge: 1W County: GARVIN
SPOT LOCATION: ☐ NW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 378 2438

Lease Name: JIMMY Well No: 1-17-18WXH Well will be 378 feet from nearest unit or lease boundary.
Operator Name: TRIAD ENERGY INC Telephone: 4058424312 OTC/OCC Number: 10399 0

TRIAD ENERGY INC
6 NE 63RD ST STE 220
OKLAHOMA CITY, OK 73105-1401

JIMMIE H ROGERS
9205 RED FERN LANE
FOUNTAIN CO 80817

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

Name	Depth	Name	Depth
1 WOODFORD	12700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 169883 Location Exception Orders: 690029 Increased Density Orders: 687383
172043
688856

Pending CD Numbers:

Special Orders:

Total Depth: 20555 Ground Elevation: 972 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 210

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36216
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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

HORIZONTAL HOLE 1

Sec 18 Twp 1N Rge 1W County GARVIN

Spot Location of End Point: W2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 165

Depth of Deviation: 11700

Radius of Turn: 700

Direction: 270

Total Length: 7755

Measured Total Depth: 20555

True Vertical Depth: 12800

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

Notes:

Category

Description

DEEP SURFACE CASING

2/5/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

2/4/2019 - 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 - 687383

2/8/2019 - GB1 - 17-1N-1W
X169883/172043 WDFD
1 WELL
TRAID ENERGY, INC.
11/29/2018

LOCATION EXCEPTION - 690029

2/8/2019 - GB1 - (I.O.) 17 & 18-1N-1W
X169883/172043 WDFD
COMPL. INT. (17-1N-1W) NCT 330' FSL, NCT 2640' FEL, NCT 0' FWL
COMPL. INT. (18-1N-1W) NCT 330' FSL, NCT 0' FEL, NCT 165' FWL
TRIAD ENERGY, INC.
1/18/2019

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

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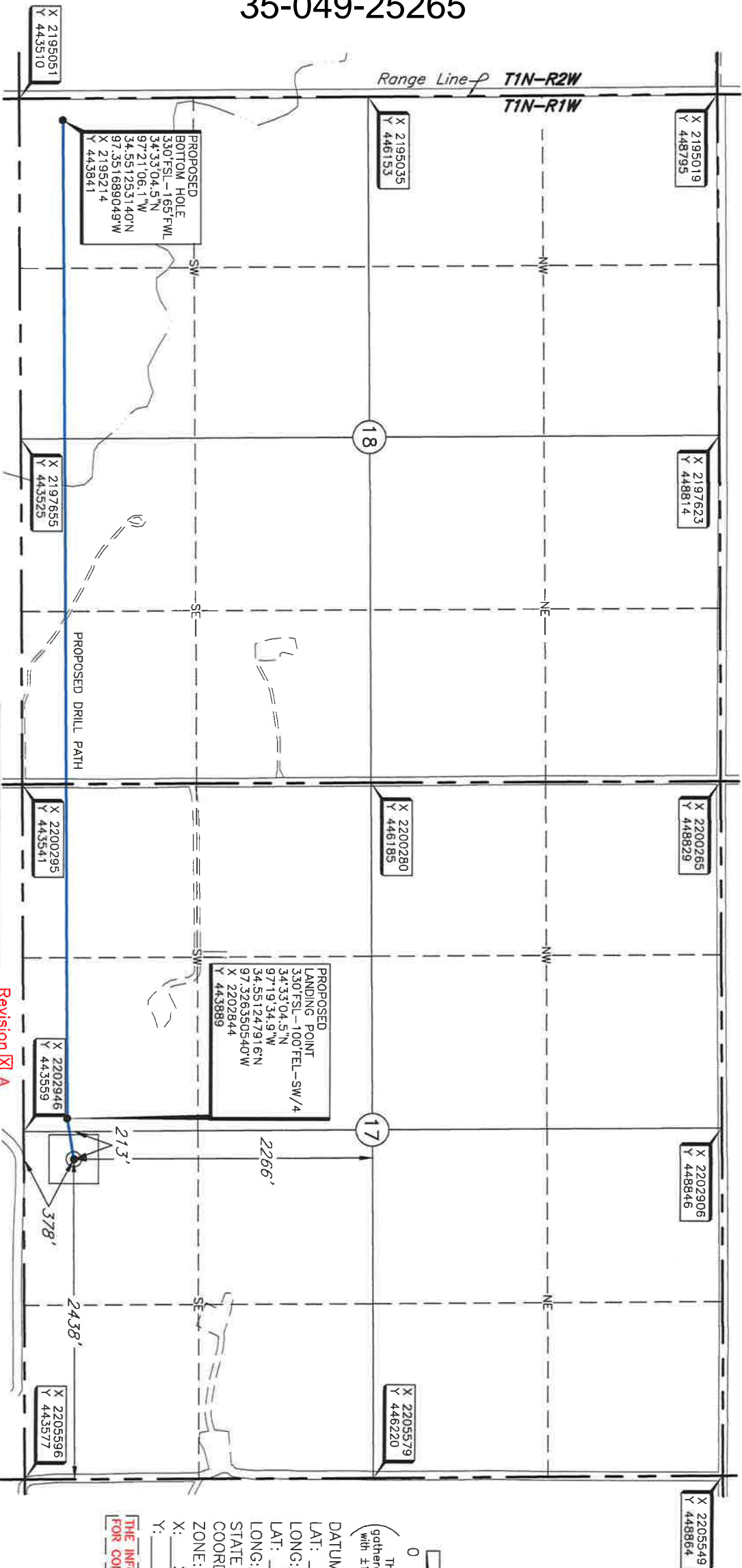
049 25265 JIMMY 1-17-18WXH

Category	Description
MEMO	2/8/2019 - GB1 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 169883	2/8/2019 - GB1 - (640) 17 & 18-1N-1W EXT 161935 WDFD, OTHERS
SPACING - 172043	2/8/2019 - GB1 - NPT PARAGRAPH 3 OF ORDER #169883 TO STATE DRILLING AND SPACING UNITS OF 640 ACRES
SPACING - 688856	2/8/2019 - GB1 - (I.O.) 17 & 18-1N-1W EST MULTIUNIT HORIZONTAL WELL X169883/172043 WDFD 34% 17-1N-1W 66% 18-1N-1W TRIAD ENERGY, INC. 12/26/2018

[BOTTOM HOLE AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.]

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
GARVIN County, Oklahoma

378'FSL-213'FWL-SE/4 Section 17 Township 1N Range 1W I.M.



Operator: TRIAD ENERGY, INC.

Lease Name: JIMMY

Well No.: 1-17-18 WXH

ELEVATION: 972' Gr. at Stake

Topography & Vegetation Location fell in heavy scattered trees.

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From East off lease road.

Distance & Direction From junction of St. Hwy 7 and Indian Meridian Road in Hoover, Oklahoma, go North ±4 miles
on Indian Meridian Road, then West ±5 miles, then South ±1 mile, then East ±1 mile to lease road
at Northeast corner of Section 17, T1N-R1W.

Revision ☒ A
Invoice # 309425 Date Drawn: Feb. 11, 2019
Project # 123928 Date Staked: Dec. 20, 2018
KH

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



THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
LAT: 34°33'05.0"N
LONG: 97°19'31.1"W
LAT: 34.551378928°N
LONG: 97.325312790°W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2203156
Y: 443938

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

0 1000'

1" = 1000'

GRID
NAD-27
OK SOUTH
US FEET
Scale:



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GRID

MAD-27
OK SOUTH
US FEET

Scale:



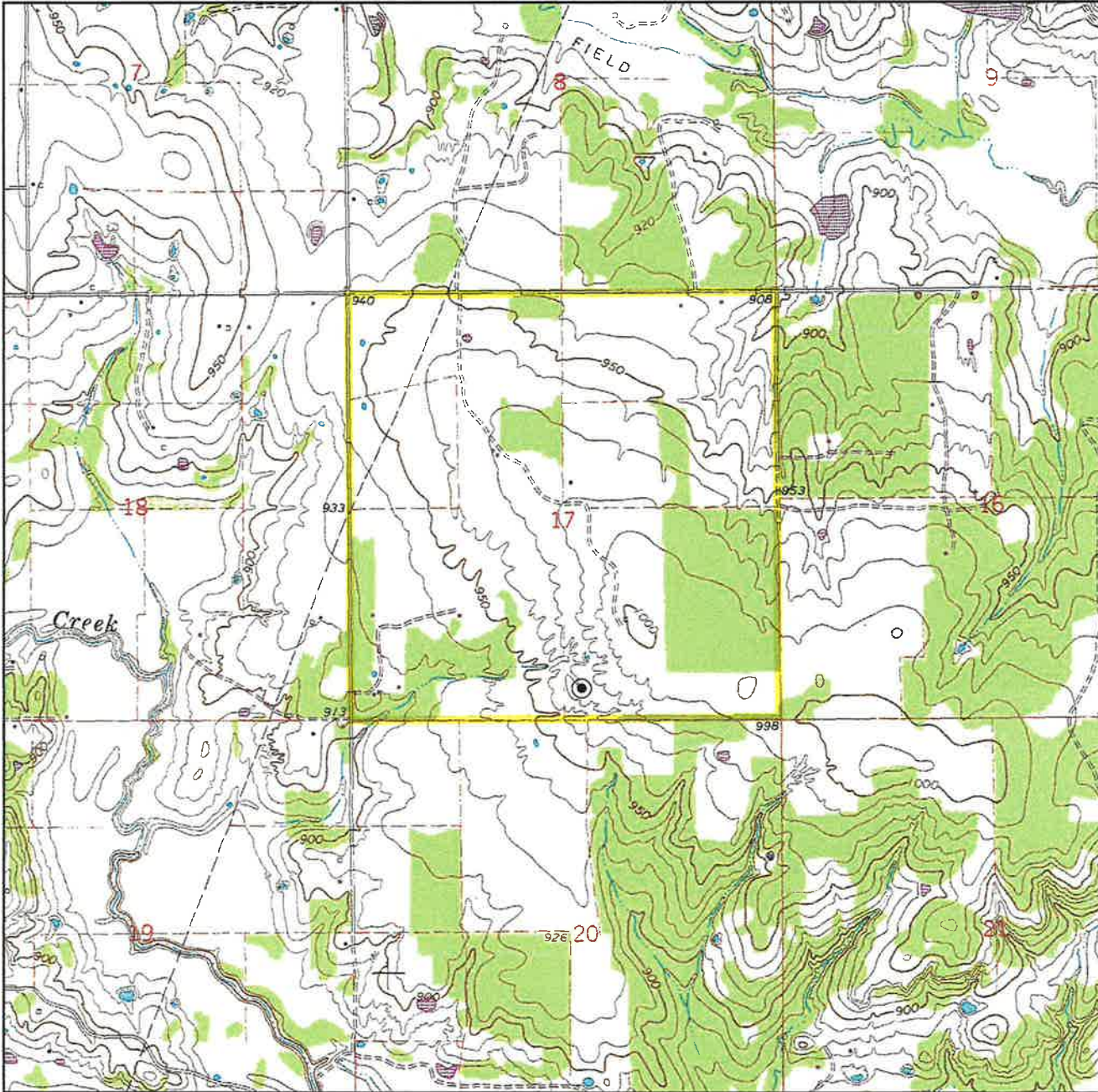
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way Oklahoma City, OK 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 17 Twp. 1N Rng. 1W I.M.

County GARVIN State OK

Operator TRIAD ENERGY, INC.

Description 378'FSL-213'FWL-SE/4

Lease JIMMY 1-17-18 WXH

Elevation 972' 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.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

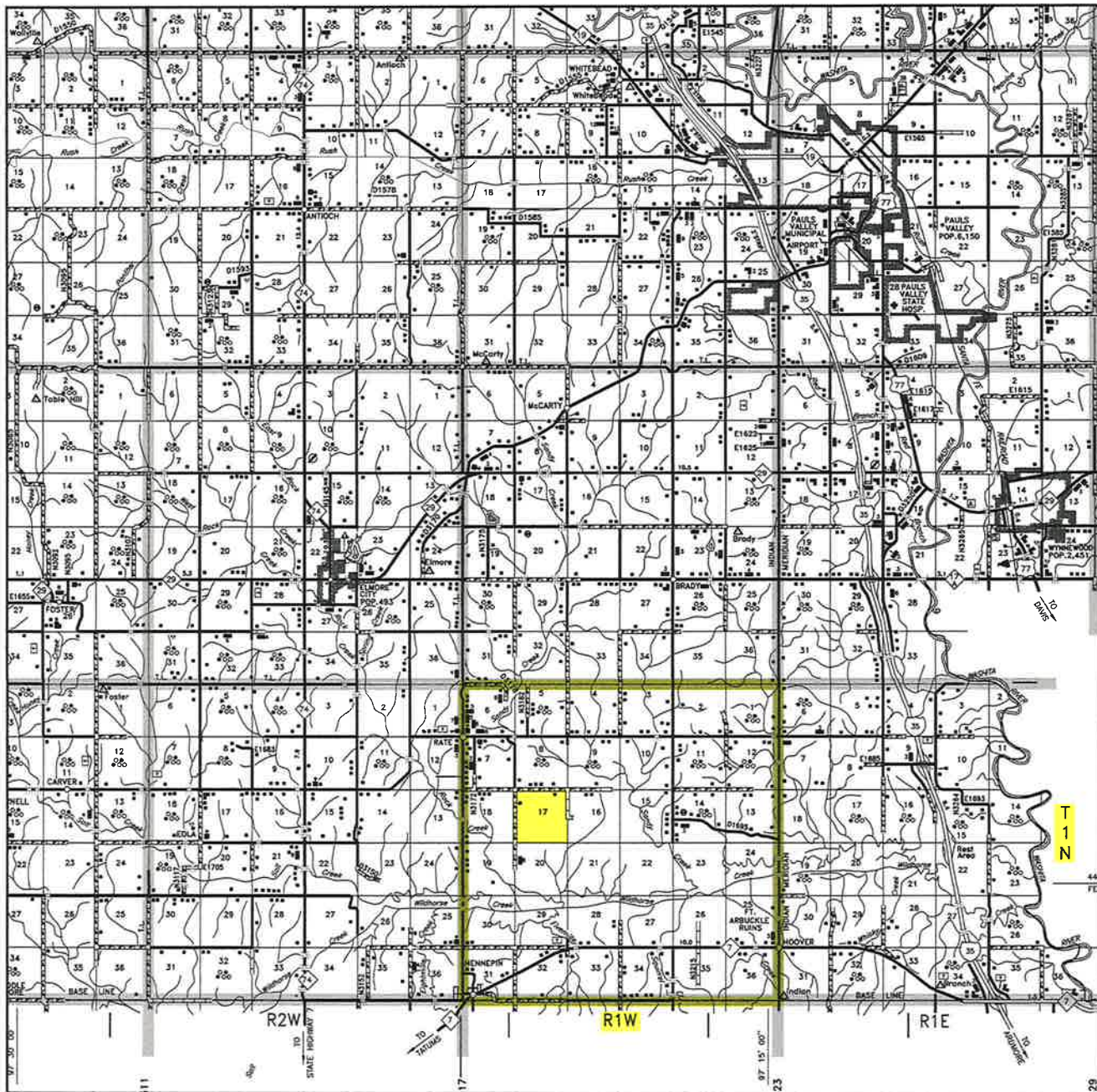
LAND SURVEYORS OF OKLAHOMA

Dec. 20, 2018

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

VICINITY MAP



Scale: 1" = 3 Miles

Sec. 17 Twp. 1N Rng. 1W I.M.

County GARVIN State OK

Operator TRIAD ENERGY, INC.

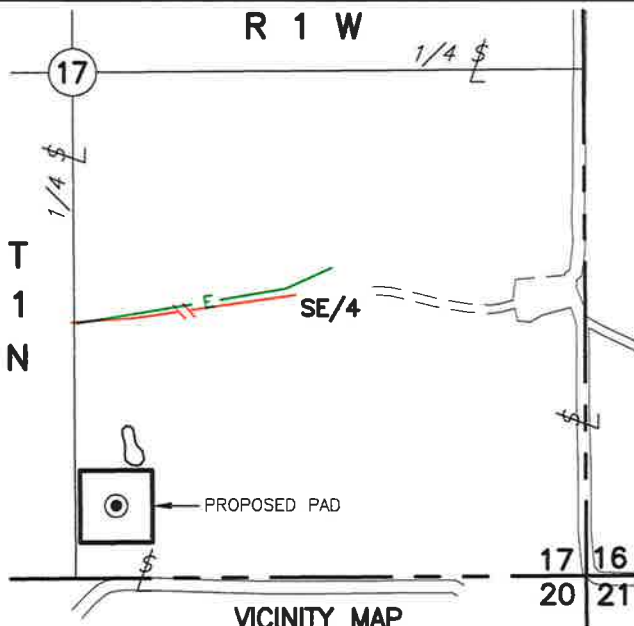


LAND SURVEYORS OF OKLAHOMA

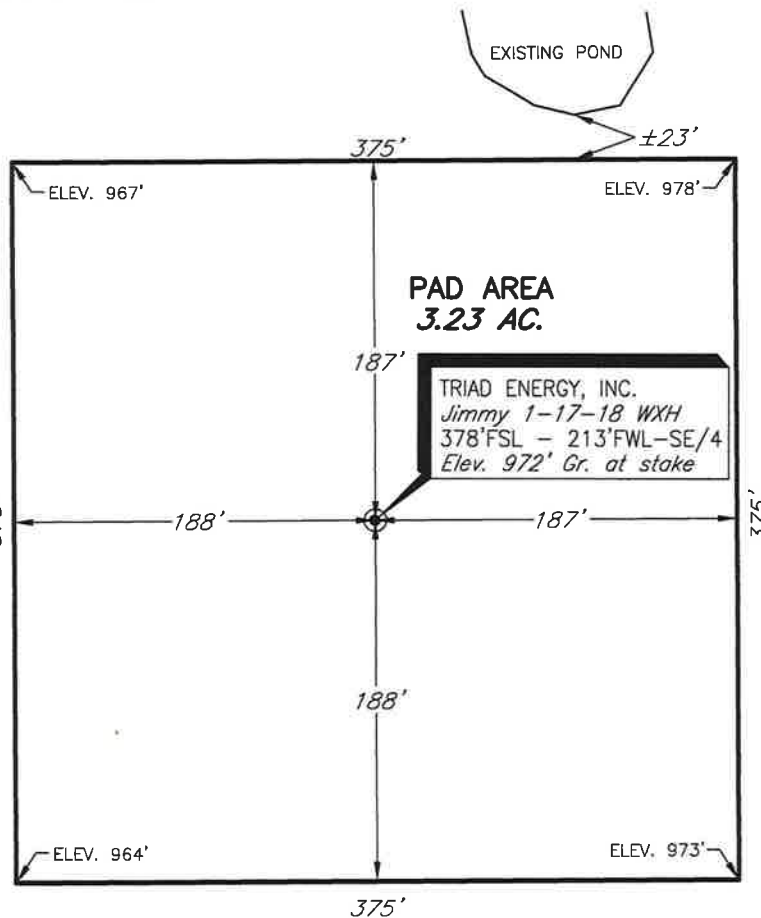
T 1 N - R 1 W
(INDIAN MERIDIAN)

PLAT SHOWING

**PROPOSED PAD AREA IN THE
SE/4 OF SECTION 17, T1N - R1W
GARVIN COUNTY, OKLAHOMA**



VICINITY MAP
Scale: 1" = 1000'



**SECTION 17
SE/4**



NOTE:

The information shown herein
is for construction purposes
ONLY.

				This plat was prepared exclusively for		SCALE: 1" = 100'	
				TRIAD ENERGY, INC.		DATE: 2-11-19	
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.		INVOICE/PROJECT NO.: 309425/123928	
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY		FILE NAME: L2017A_rev.DWG	
SURV. BY:	TC	12-17-18		TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA		DRAWING NO.: 120106-L2-017-A	
DRAWN BY:	KH			13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847		SHEET 1 OF 1	
APPROVED BY:	TH			Certificate of Authorization No. 1293 LS			