

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

API NUMBER: 087 22193

Approval Date: 11/08/2018

Expiration Date: 05/08/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 9N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ SW ☐ SE ☐ NW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1642 1695

Lease Name: PHANTOM 2227

Well No: 1H

Well will be 1642 feet from nearest unit or lease boundary.

Operator Name: EOG RESOURCES INC

Telephone: 4052463212

OTC/OCC Number: 16231 0

EOG RESOURCES INC  
3817 NW EXPRESSWAY  
OKLAHOMA CITY, OK 73112-1483

JUANIT GRIFFITH FAMILY IRREVOCABLE TRUST  
1333 SE 32ND  
PATSY MCMAHAN, SUCCESSOR TRUSTEE  
NEWCASTLE OK 73065

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8865	6	
2	WOODFORD	8965	7	
3	HUNTON	9100	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807120  
201807121  
201807122  
201807123

Special Orders:

Total Depth: 19363

Ground Elevation: 1279

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 810

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-35089

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

## HORIZONTAL HOLE 1

Sec 22 Twp 9N Rge 4W County MCCLAIN

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 8546

Radius of Turn: 364

Direction: 10

Total Length: 10237

Measured Total Depth: 19363

True Vertical Depth: 9126

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

10/3/2018 - 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

10/3/2018 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

10/3/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM & CUTTINGS TO BE SOIL FARMED; PIT 2 - OBM CUTTINGS TO R360 (ORDER # 587498) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 2 - OBM TO VENDOR

PENDING CD - 201807120

10/19/2018 - G58 - (640)(HOR) 22-9N-4W  
EST MSSP, WDFD, HNTN  
COMPL. INT. (MSSP & HNTN) NLT 660' FB  
COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL  
REC 10/29/2018 (P. PORTER)

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

087 22193 PHANTOM 2227 1H

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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Category	Description
PENDING CD - 201807121	10/19/2018 - G58 - (640)(HOR) 27-9N-4W EXT 681230 MSSP, WDFD, HNTN COMPL. INT. (MSSP & HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 586879 MISS, WDFD, HNTN) REC 10/29/2018 (P. PORTER)
PENDING CD - 201807122	10/19/2018 - G58 - (I.O.) 22 & 27-9N-4W EST MULTIUNIT HORIZONTAL WELL X201807120 MSSP, WDFD, HNTN 22-9N-4W X201807121 MSSP, WDFD, HNTN 27-9N-4W (MSSP, HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 23-9N-4W 50% 26-9N-4W NO OP. NAMED REC 11/5/2018 (MILLER)
PENDING CD - 201807123	10/19/2018 - G58 - (I.O.) 22 & 27-9N-4W EST MULTIUNIT HORIZONTAL WELL X201807120 MSSP, WDFD, HNTN 22-9N-4W X201807121 MSSP, WDFD, HNTN 27-9N-4W (MSSP, HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) COMPL. INT. 27-9N-4W NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. 22-9N-4W NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 11/5/2018 (MILLER)

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# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

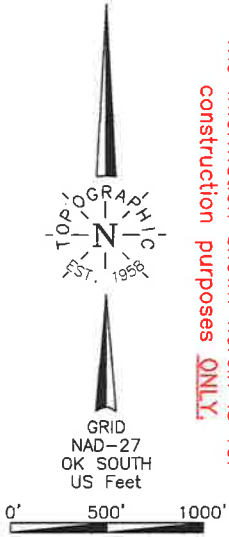
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

MCCLAIN

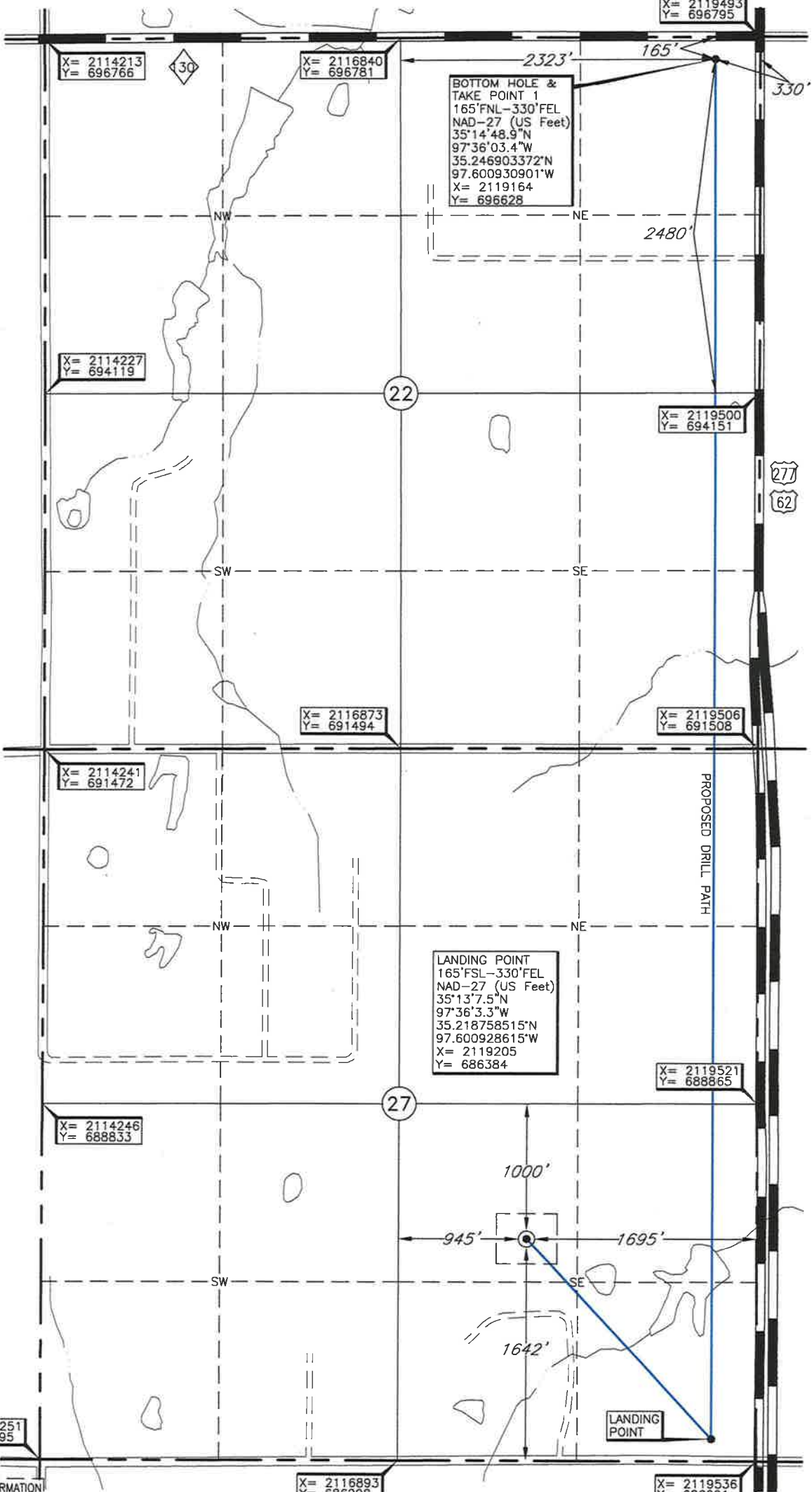
County, Oklahoma

087-22193

1642'FSL-1695'FEL Section 27 Township 9N Range 4W I.M.



**NOTE:**  
The information shown herein is for construction purposes ONLY.



Operator: EOG RESOURCES, INC.  
Lease Name: PHANTOM 2227  
Topography & Vegetation: Loc. fell in pasture sloping downhill to the South.  
Good Drill Site? Yes  
Reference Stakes or Alternate Location: Stakes Set None  
Best Accessibility to Location: From South off county road.  
Distance & Direction: From Hwy Jct or Town From Newcastle, OK go ±2 miles South on St. Hwy. 62 to the SE Cor. of Sec. 27-T9N-R4W.

**ELEVATION:**  
1279' Gr. at Stake

LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: June 29, 2018

Invoice # 297699 Date Staked: June 26, 2018

TR

## CERTIFICATE:

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch  
Oklahoma Lic. No. 1378



DATUM: NAD-27  
LAT: 35°13'22.1\"N  
LONG: 97°36'19.8\"W  
LAT: 35.222813603\"N  
LONG: 97.605506457\"W  
STATE PLANE COORDINATES: (US Feet)  
ZONE: OK SOUTH  
X: 2117832  
Y: 687855

This information was gathered with a GPS receiver with ±1 ft vertical accuracy.



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

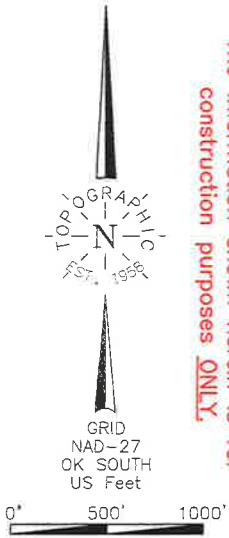
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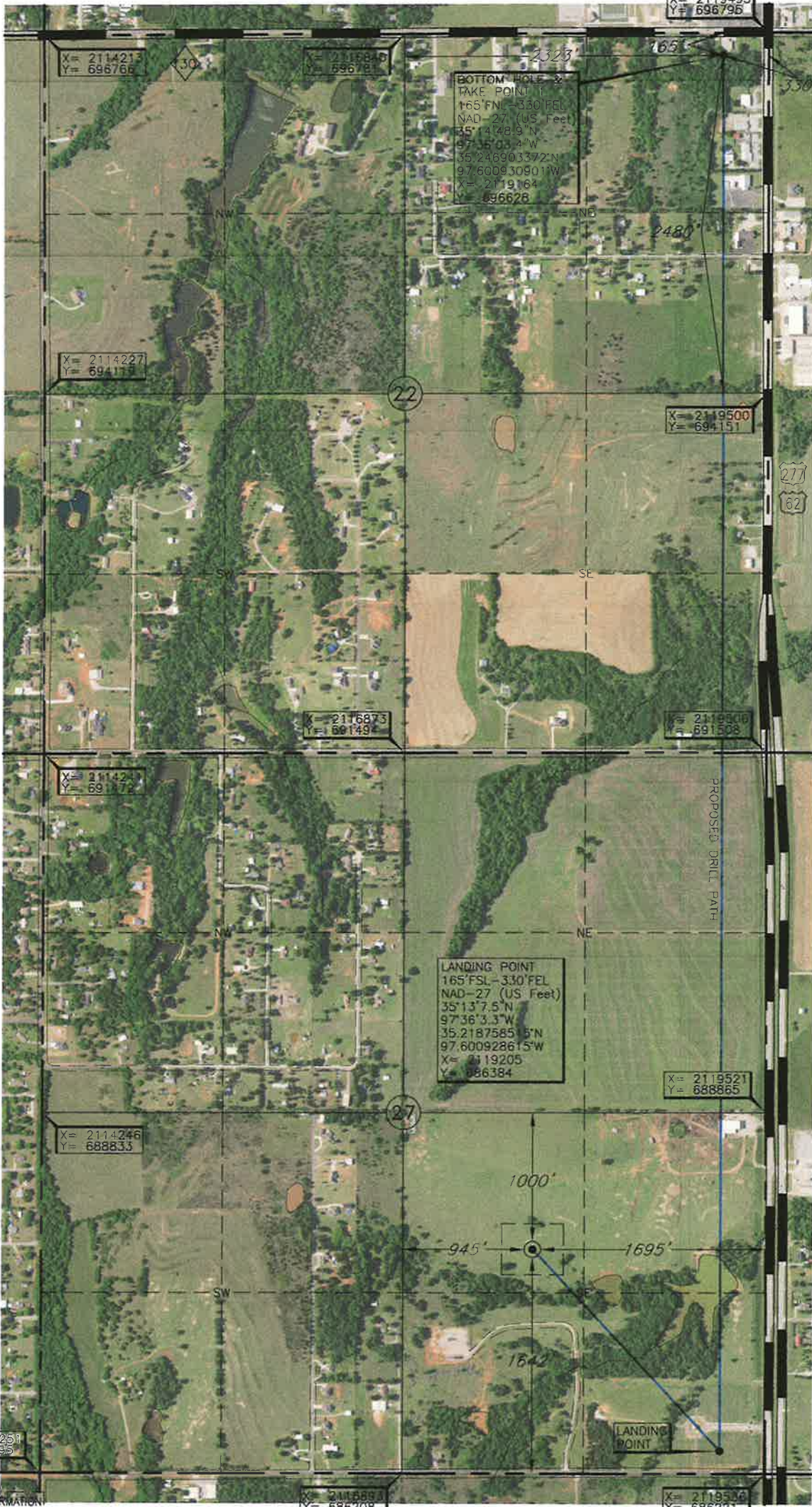
MCCLAIN

County, Oklahoma

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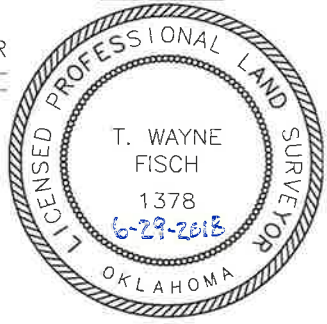
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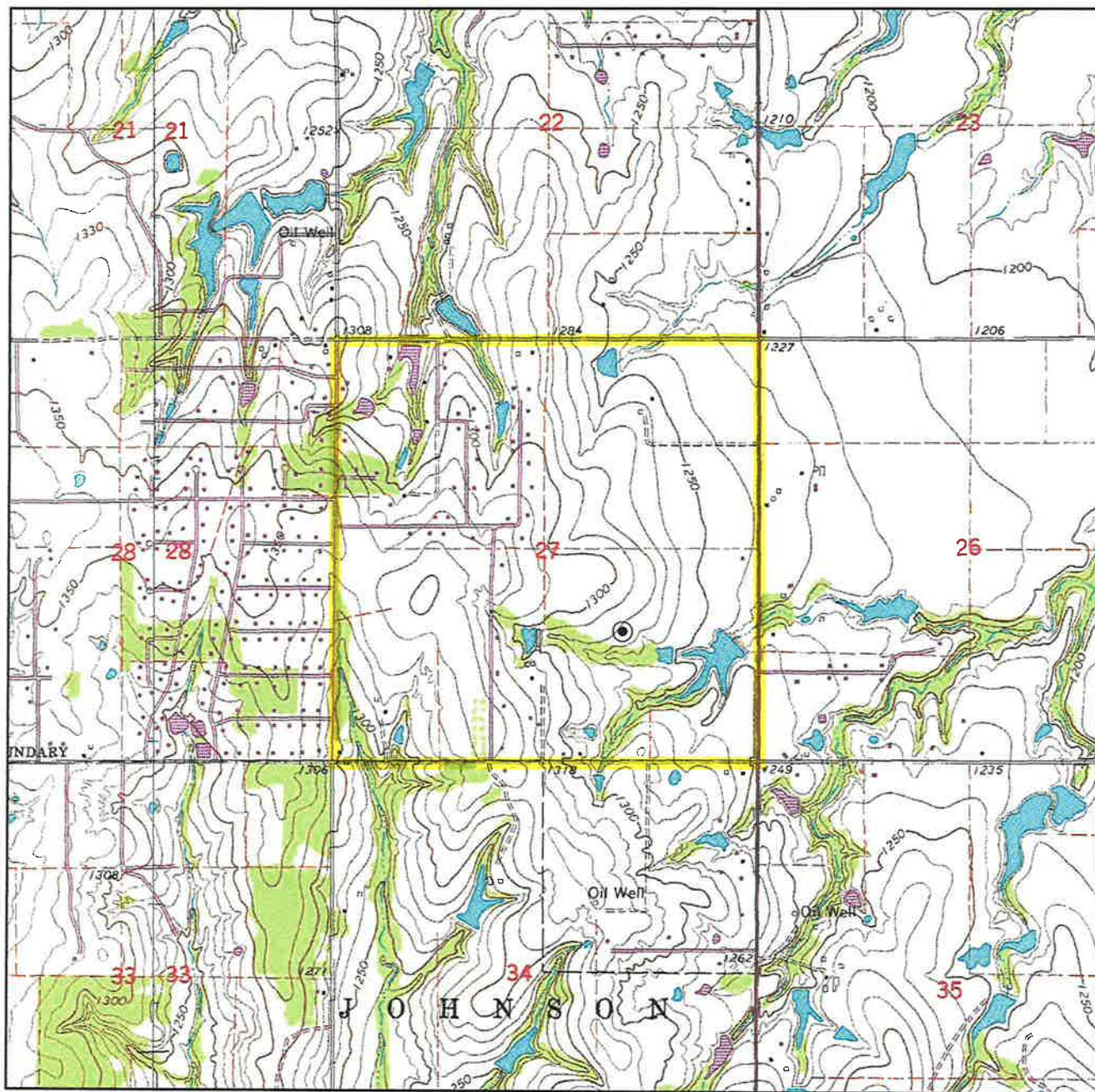
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Oklahoma City, OK 73134 [www.topographic.com](http://www.topographic.com)

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

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 27 Twp. 9N Rng. 4W IM

County MCCLAIN State OK

Operator EOG RESOURCES, INC.

Description 1642'FSL-1695'FEL

Lease PHANTOM 2227 #1H

Elevation 1279' 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

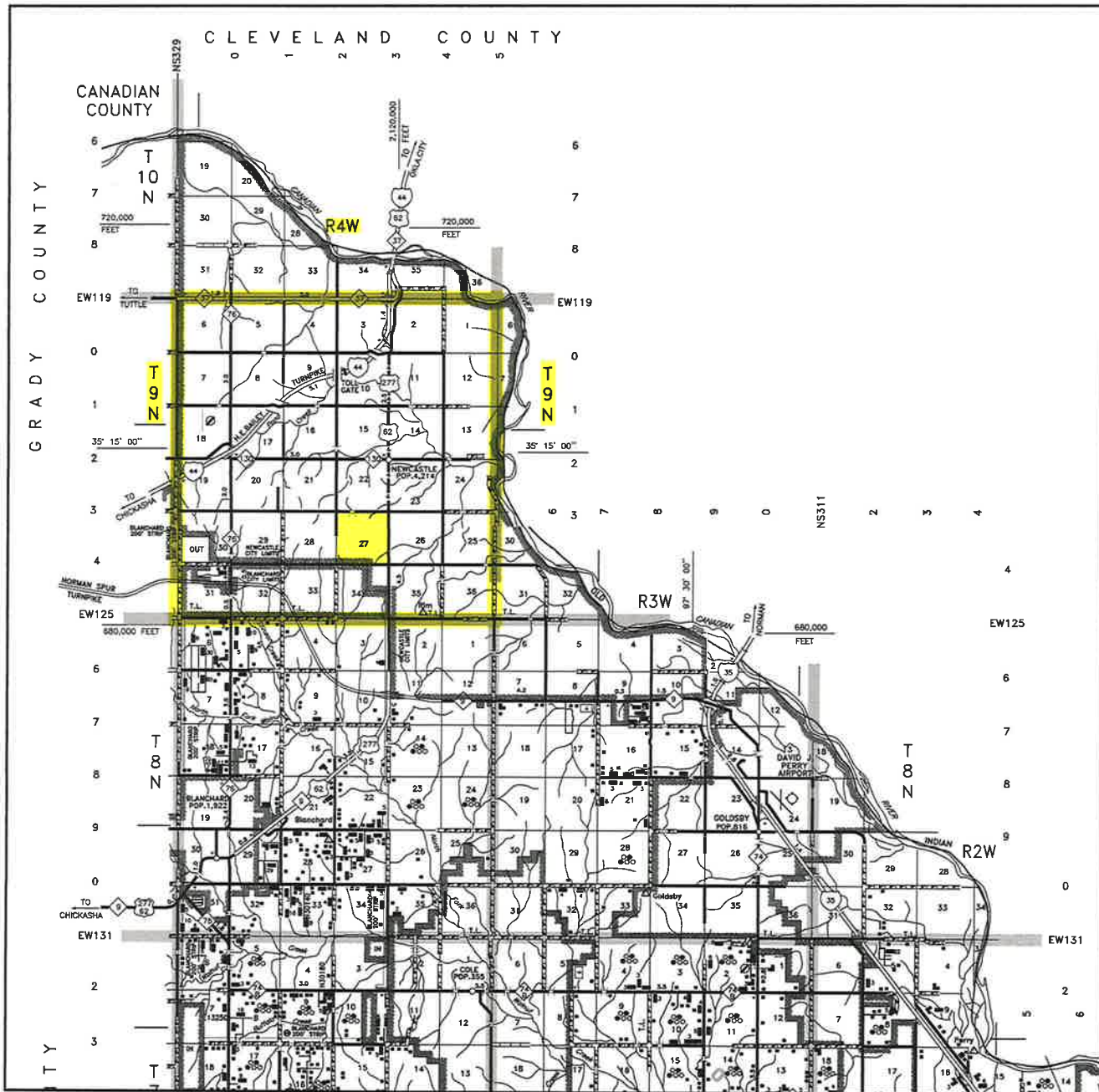
May. 21, 2018



# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 27 Twp. 9N Rng. 4W IM

County MCCLAIN State OK

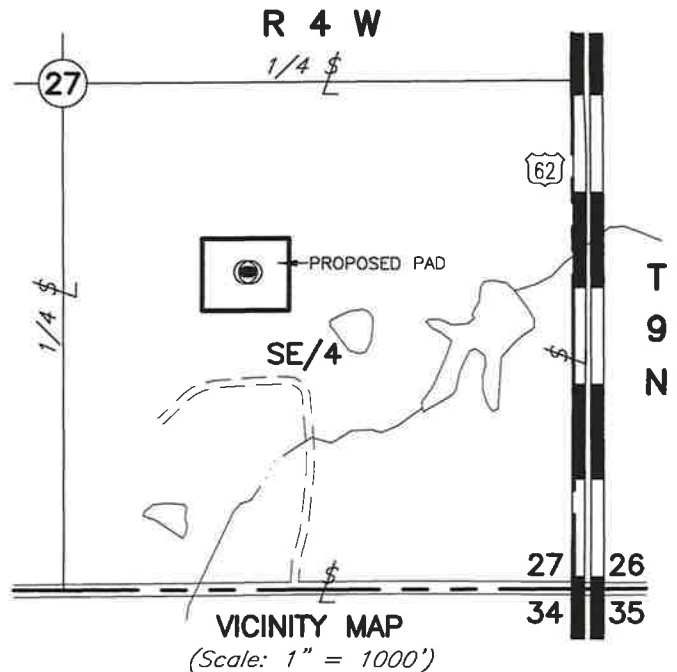
Operator EOG RESOURCES, INC.



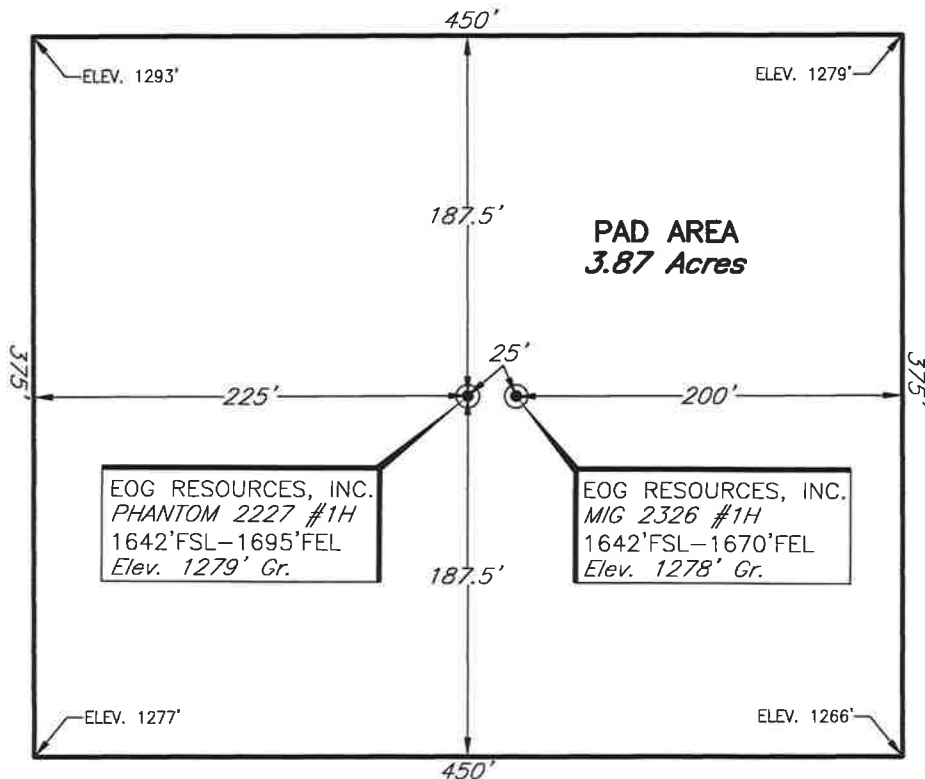
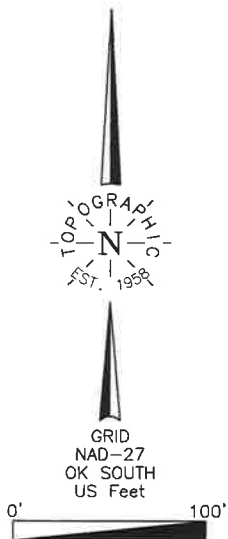
LAND SURVEYORS OF OKLAHOMA

**T 9 N - R 4 W**  
(INDIAN MERIDIAN)

PLAT SHOWING  
**PROPOSED PAD AREA IN THE  
SE/4 OF SECTION 27, T9N - R4W  
MCCLAIN COUNTY, OKLAHOMA**



**SECTION 27  
SE/4**



**NOTE:**

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for construction purposes ONLY.

				This plat was prepared exclusively for		SCALE: 1"=100'	
				<b>EOG RESOURCES, INC.</b>		DATE: 6/29/18	
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma		INVOICE NO.: 297699	
				SURVEYING AND MAPPING BY		FILE NAME: L2267A1.DWG	
NO. REVISION DATE BY				<b>TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA</b>		DWG NO.: 105048-L2-267-A1	
SUR. BY: JM 6/26/18				13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847		SHEET 1 OF 1	
DRAWN BY: TR				Certificate of Authorization No. 1293 LS			
APPROVED BY: TWF							