

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

API NUMBER: 051 24439

Approval Date: 08/15/2018  
Expiration Date: 02/15/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 8N Rge: 5W

County: GRADY

SPOT LOCATION:  NE  NW  NW  NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 410

Lease Name: DESKINS

Well No: 2932 2H

Well will be 250 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 STE 500  
OKLAHOMA CITY, OK 73112-1483

PHYLLIS & TERRY PICKARD  
PO BOX 743  
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	10795	6	
2	MISSISSIPPIAN	11140	7	
3	WOODFORD	11440	8	
4			9	
5			10	

Spacing Orders: 679452

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803497  
201804929  
201804926  
201804928  
201804927

Special Orders:

Total Depth: 22760

Ground Elevation: 1324

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 460

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: CHICKASHA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34735  
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 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: CHICKASHA

HORIZONTAL HOLE 1

Sec 32 Twp 8N Rge 5W County GRADY

Spot Location of End Point: S2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 990

Depth of Deviation: 11010

Radius of Turn: 960

Direction: 178

Total Length: 10242

Measured Total Depth: 22760

True Vertical Depth: 11590

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

Additional Surface Owner	Address	City, State, Zip
PHYLLIS J PICKARD REVOCABLE T		

Notes:

Category

Description

DEEP SURFACE CASING

7/5/2018 - 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

7/5/2018 - 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; 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

7/5/2018 - 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

Category	Description
PENDING CD - 201803497	7/9/2018 - G58 - (E.O.)(640)(HOR) 29-8N-5W EXT 670842 MSNLC, WDFD, HNTN COMPL. INT. (MSNLC, HNTN) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST WITH PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS) REC 6/1/2018 (P. PORTER)
PENDING CD - 201804926	7/9/2018 - G58 - 29-8N-5W X201803497 MSNLC, WDFD 3 WELLS NO OP. NAMED HEARING 8/20/2018
PENDING CD - 201804927	7/9/2018 - G58 - 32-8N-5W X679452 MSSP, WDFD 3 WELLS NO OP. NAMED HEARING 8/20/2018
PENDING CD - 201804928	7/9/2018 - G58 - (E.O.) 29 & 32-8N-5W EST MULTIUNIT HORIZONTAL WELL X201803497 MSNLC, WDFD 29-8N-5W X679452 MSSP, WDFD, OTHER 32-8N-5W (MSSP, MSNLC IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 29-8N-5W 50% 32-8N-5W NO OP. NAMED REC 8/14/2018 (JACKSON)
PENDING CD - 201804929	7/9/2018 - G58 - (E.O.) 29 & 32-8N-5W X201803497 MSNLC, WDFD 29-8N-5W X679452 MSSP, WDFD, OTHER 32-8N-5W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING OR PROPOSED WELL COMPL. INT. (29-8N-5W) NCT 165' FNL, NCT 0' FSL, NCT 600' FWL COMPL. INT. (32-8N-5W) NCT 0' FNL, NCT 165' FSL, NCT 600' FWL NO OP. NAMED REC 8/14/2018 (JACKSON)
SPACING - 679452	7/9/2018 - G58 - (E.O.)(640)(HOR) 32-8N-5W EXT 671033 MSSP, WDFD, HNTN COMPL. INT. (MSNLC, HNTN) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST WITH PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS)

This permit does not address the right of entry or settlement of surface damages.  
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Office of the Conservation Division as to when Surface Casing will be run.

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

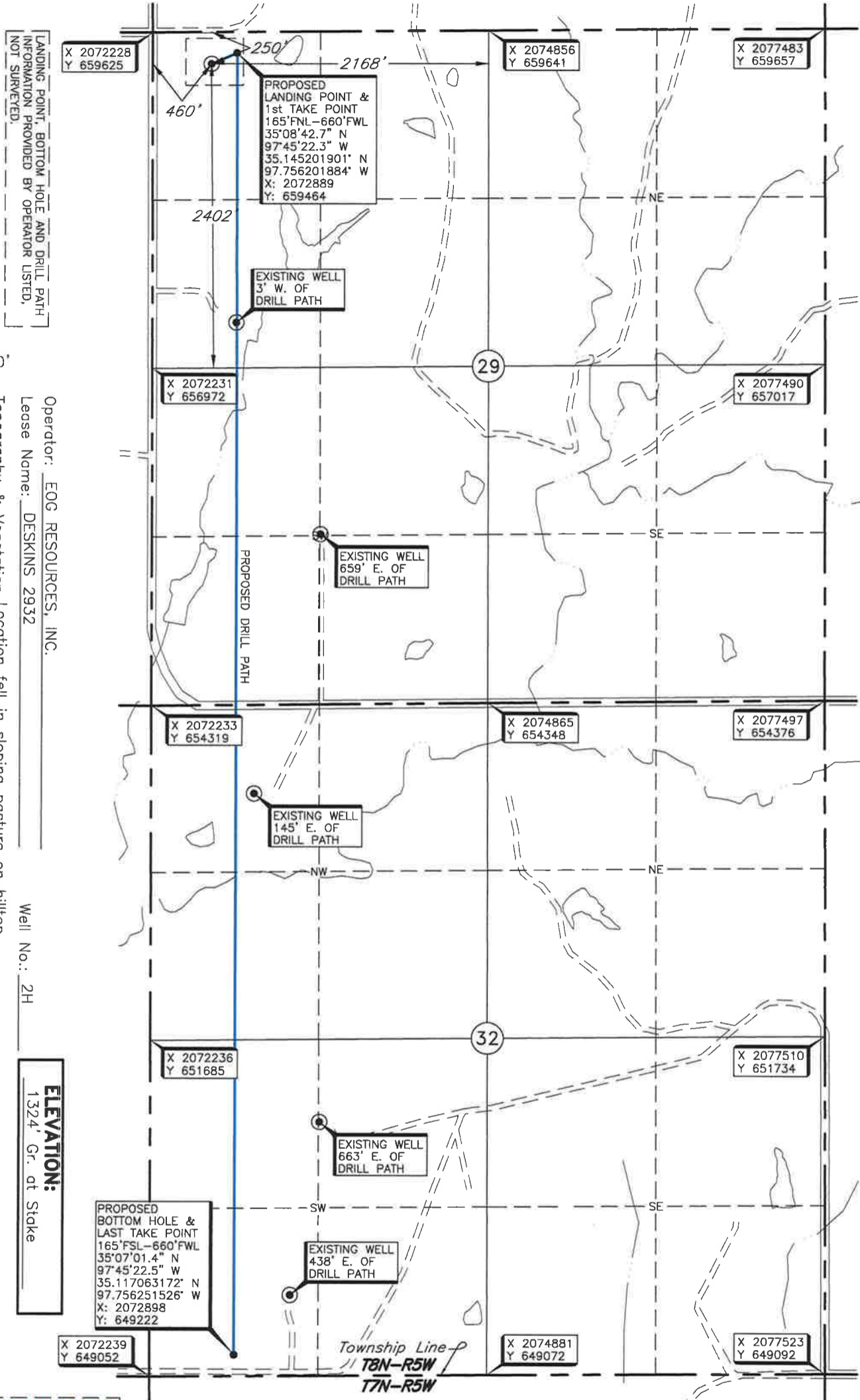
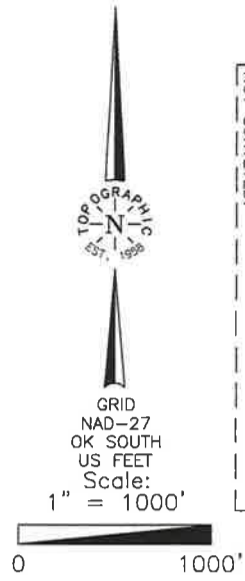
Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

**051-24439**

250' FNL-460' FWL Section 29 Township 8N Range 5W I.M.



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

Operator: EOG RESOURCES, INC.  
 Lease Name: DESKINS 2932  
 Topography & Vegetation Location fell in sloping pasture on hilltop  
 Well No.: 2H  
 ELEVATION: 1324' Gr. at Stake

Good Drill Site? Yes  
 Reference Stakes or Alternate Location  
 Stakes Set None

Best Accessibility to Location From West off county road  
 Distance & Direction From Tuttle, Oklahoma, go ± 6 miles East on St. Hwy 37, then ± 8 miles South, ± 3 miles West, ± 2 miles South to the Northwest Corner of Section 29, T8N-R5W.

**THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY**

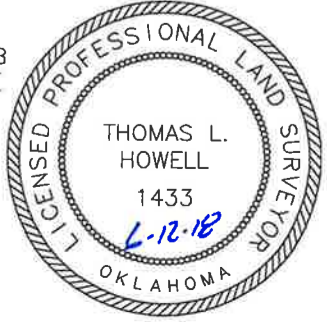
Revision  A Date of Drawing: June 12, 2018  
 Invoice # 295245 Date Staked: May 29, 2018 NB

**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



DATUM: NAD-27  
 LAT: 35°08'41.9" N  
 LONG: 97°45'24.7" W  
 LAT: 35.144966365° N  
 LONG: 97.756871602° W  
 STATE PLANE COORDINATES (US FEET):  
 ZONE: OK SOUTH  
 X: 2072689  
 Y: 659377

Information was gathered with a GPS receiver with 1 ft horizontal/vertical accuracy.

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

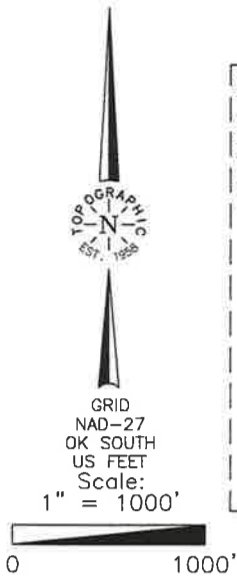
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 Reference Stakes or Alternate Location Stakes Set None

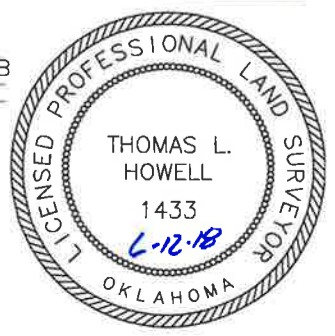
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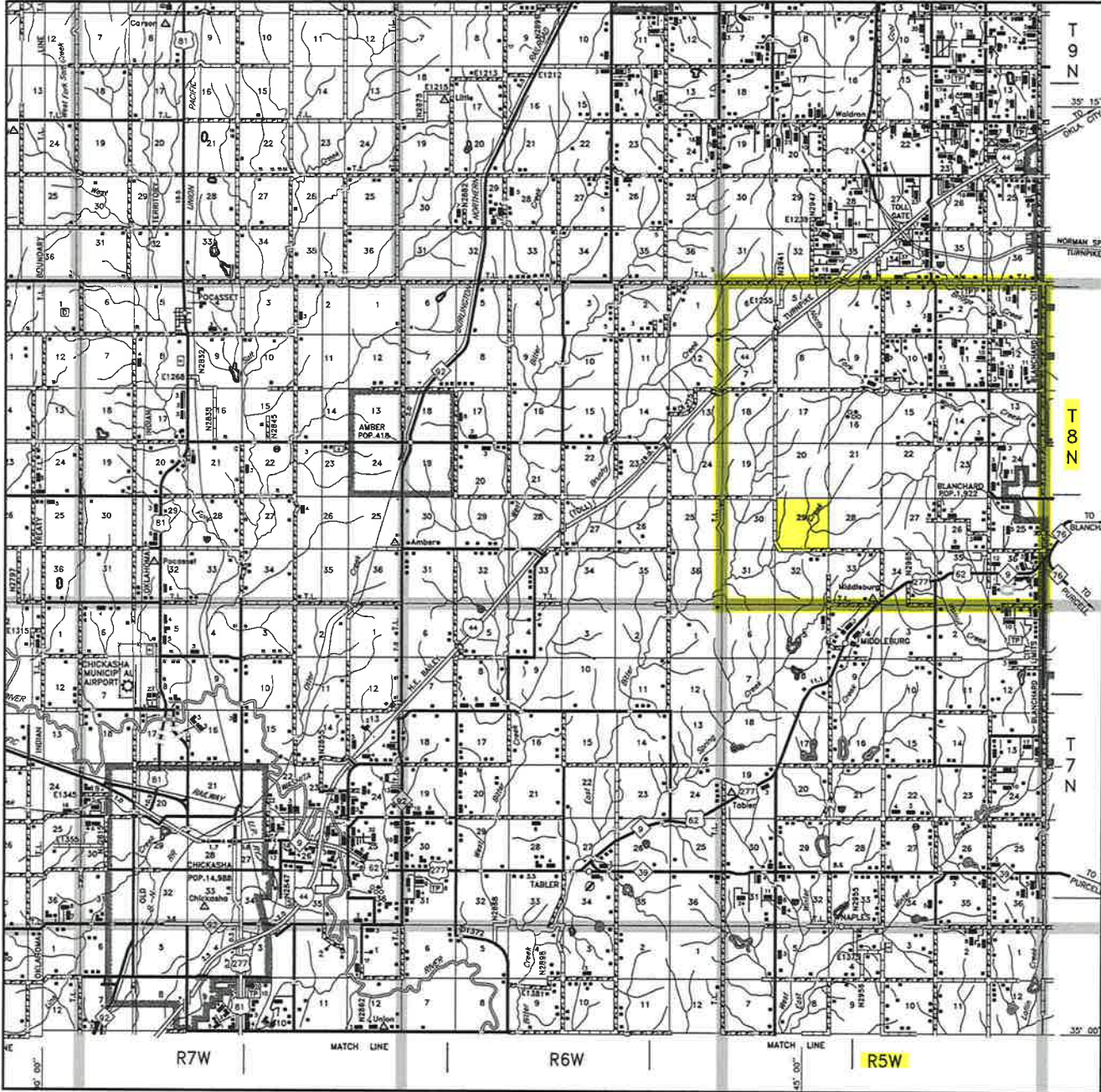
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# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 29 Twp. 8N Rng. 5W I.M.

County GRADY State OK

Operator EOG RESOURCES, INC.

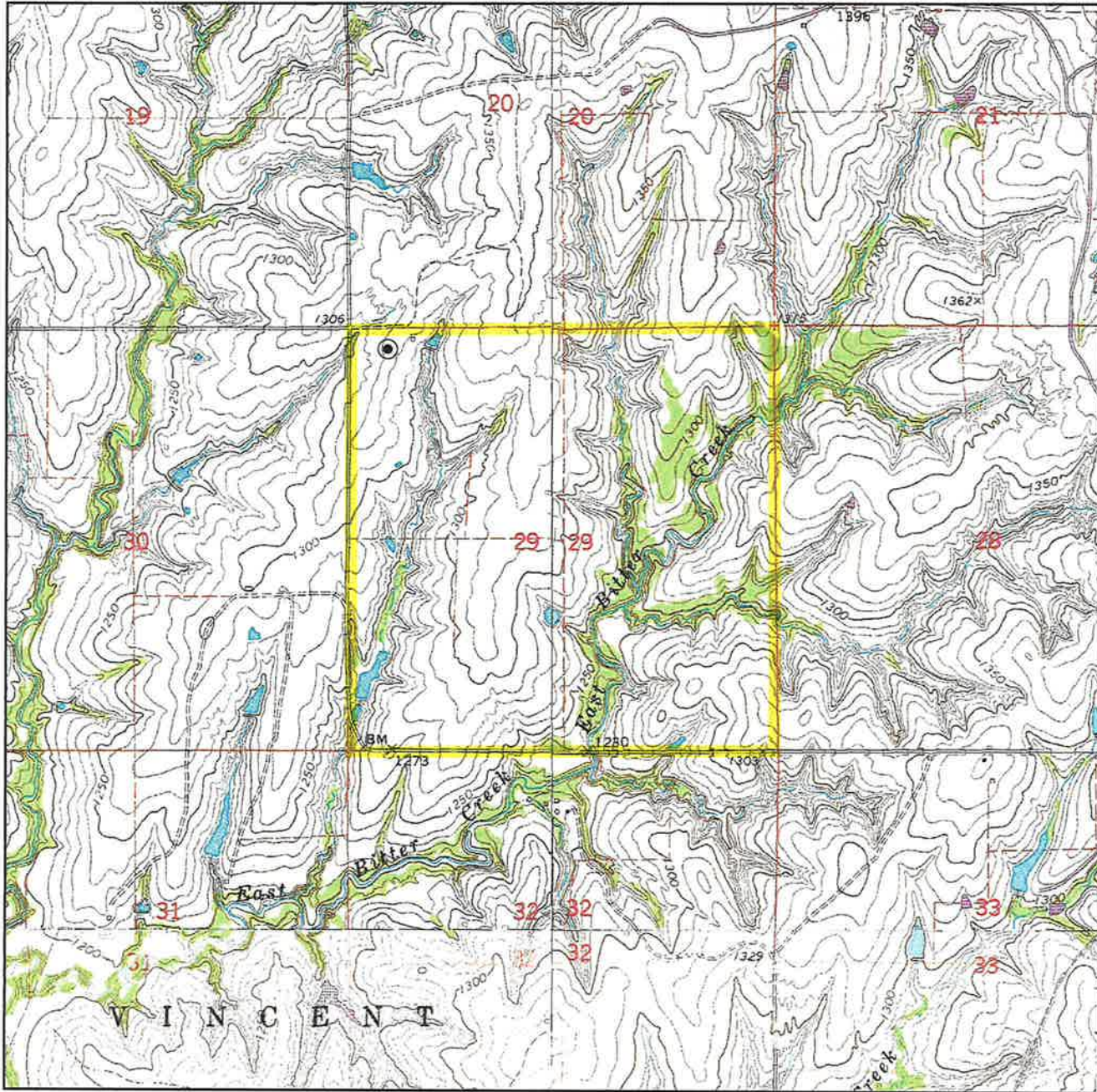


LAND SURVEYORS OF OKLAHOMA

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## LOCATION & ELEVATION VERIFICATION MAP



Sec. 29 Twp. 8N Rng. 5W I.M.

County GRADY State OK

Operator EOG RESOURCES, INC.

Description 250' FNL-460' FWL

Lease DESKINS 2932 #2H

Elevation 1324' 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 29, 2018