

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

API NUMBER: 051 24385

Approval Date: 06/14/2018

Expiration Date: 12/14/2018

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: 250 435

Lease Name: DESKINS

Well No: 2932 1PH

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
PO BOX 4362
OKLAHOMA CITY, OK 73112-1483

JAMES WESLEY DESKINS
PO BOX 781925
WICHITA KS 67278

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10690	6	
2	MISSISSIPPIAN (EX CHESTER)	10700	7	
3	WOODFORD	11080	8	
4	HUNTON	11200	9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803500
201803499
201803497
201803498

Special Orders:

Total Depth: 22771

Ground Elevation: 1323

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: 18-33847

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 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 10976

Radius of Turn: 989

Direction: 175

Total Length: 10242

Measured Total Depth: 22771

True Vertical Depth: 11554

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

Notes:

Category

Description

DEEP SURFACE CASING

5/22/2018 - 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

5/22/2018 - 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

5/22/2018 - 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 - 201803497

5/23/2018 - 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)

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

051 24385 DESKINS 2932 1PH

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 - 201803498	5/23/2018 - 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) REC 6/1/2018 (P. PORTER)
PENDING CD - 201803499	5/23/2018 - G58 - (E.O.) 29 & 32-8N-5W EST MULTIUNIT HORIZONTAL WELL X201803497 MSNLC, WDFD, HNTN (29-8N-5W) X201803498 MSSP, WDFD, HNTN (32-8N-5W) (MSNLC, MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 29-8N-5W 50% 32-8N-5W NO OP. NAMED REC 6/1/2018 (P. PORTER)
PENDING CD - 201803500	5/23/2018 - G58 - (E.O.) 29 & 32-8N-5W X201803497 MSNLC, WDFD, HNTN (29-8N-5W) X201803498 MSSP, WDFD, HNTN (32-8N-5W) COMPL. INT. (29-8N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (32-8N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 6/1/2018 (P. PORTER)

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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

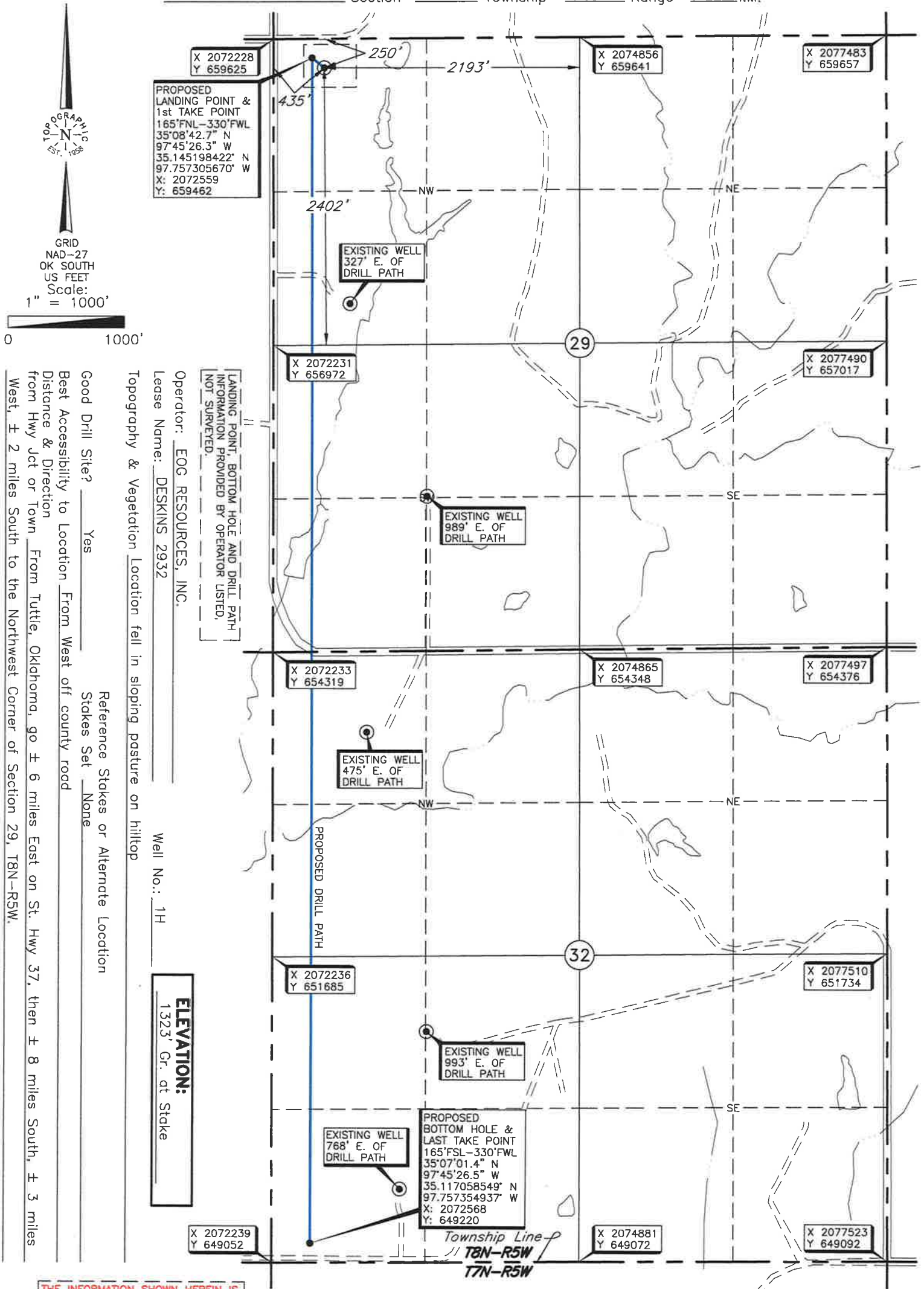
Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

051-24385

250'FNL-435'FWL Section 29 Township 8N Range 5W I.M.



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

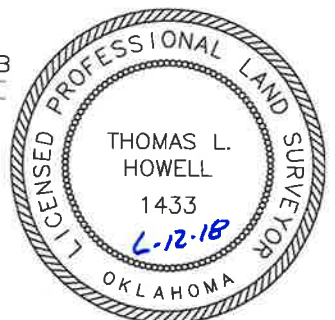
DATUM: NAD-27
LAT: 35°08'41.9" N
LONG: 97°45'25.0" W
LAT: 35.144965970° N
LONG: 97.756955113° W
STATE PLANE COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2072664
Y: 659377

Invoice # 295245C Date of Drawing: June 12, 2018
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



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GRADY

County, Oklahoma

250'FNL-435'FWL

Section 29

Township 8N

Range 5W

I.M.



GRID
NAD-27
OK SOUTH
US FEET
Scale:
1" = 1000'

0 1000'

PROPOSED
LANDING POINT &
1st TAKE POINT
165'FNL-330'FWL
35°08'42.7" N
97°45'26.3" W
35.145198422° N
97.757305670° W
X: 2072559
Y: 659462

EXISTING WELL
327' E OF
DRILL PATH

EXISTING WELL
989' E OF
DRILL PATH

EXISTING WELL
475' E OF
DRILL PATH

EXISTING WELL
893' E OF
DRILL PATH

EXISTING WELL
768' E OF
DRILL PATH

PROPOSED
BOTTOM HOLE &
LAST TAKE POINT
165'FNL-330'FWL
35°07'01.4" N
97°45'26.5" W
35.117058549° N
97.757354937° W
X: 2072568
Y: 649220

X: 2072239
Y: 649032

X: 2074881
Y: 649072

X: 2075533
Y: 649080

X: 2077510
Y: 651734

X: 2077497
Y: 654376

X: 2077490
Y: 657037

X: 2077482
Y: 650817

X: 2077436
Y: 650811

X: 2072233
Y: 656972

X: 2072233
Y: 654318

X: 2072236
Y: 651685

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

Operator: EOG RESOURCES, INC.

Lease Name: DESKINS 2932

Well No.: 1H

ELEVATION:

1323' Gr. at Stake

Topography & Vegetation Location fell in sloping pasture on hilltop

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From West off county road

Distance & Direction
from Hwy Jet or Town 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.

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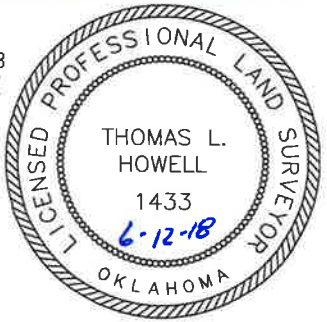
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Y: 659377

Invoice # 295245C Date of Drawing: June 12, 2018
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.

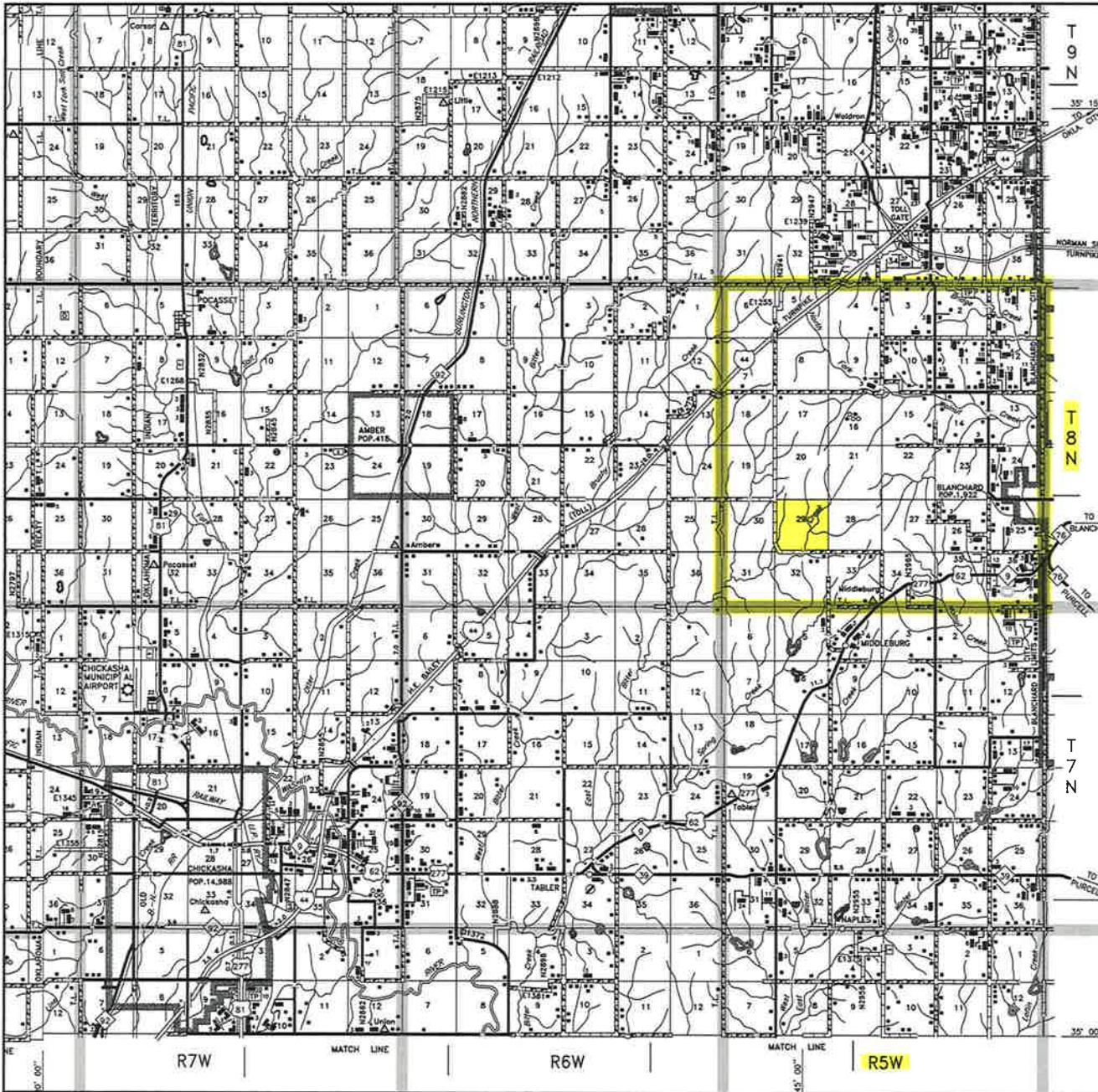
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

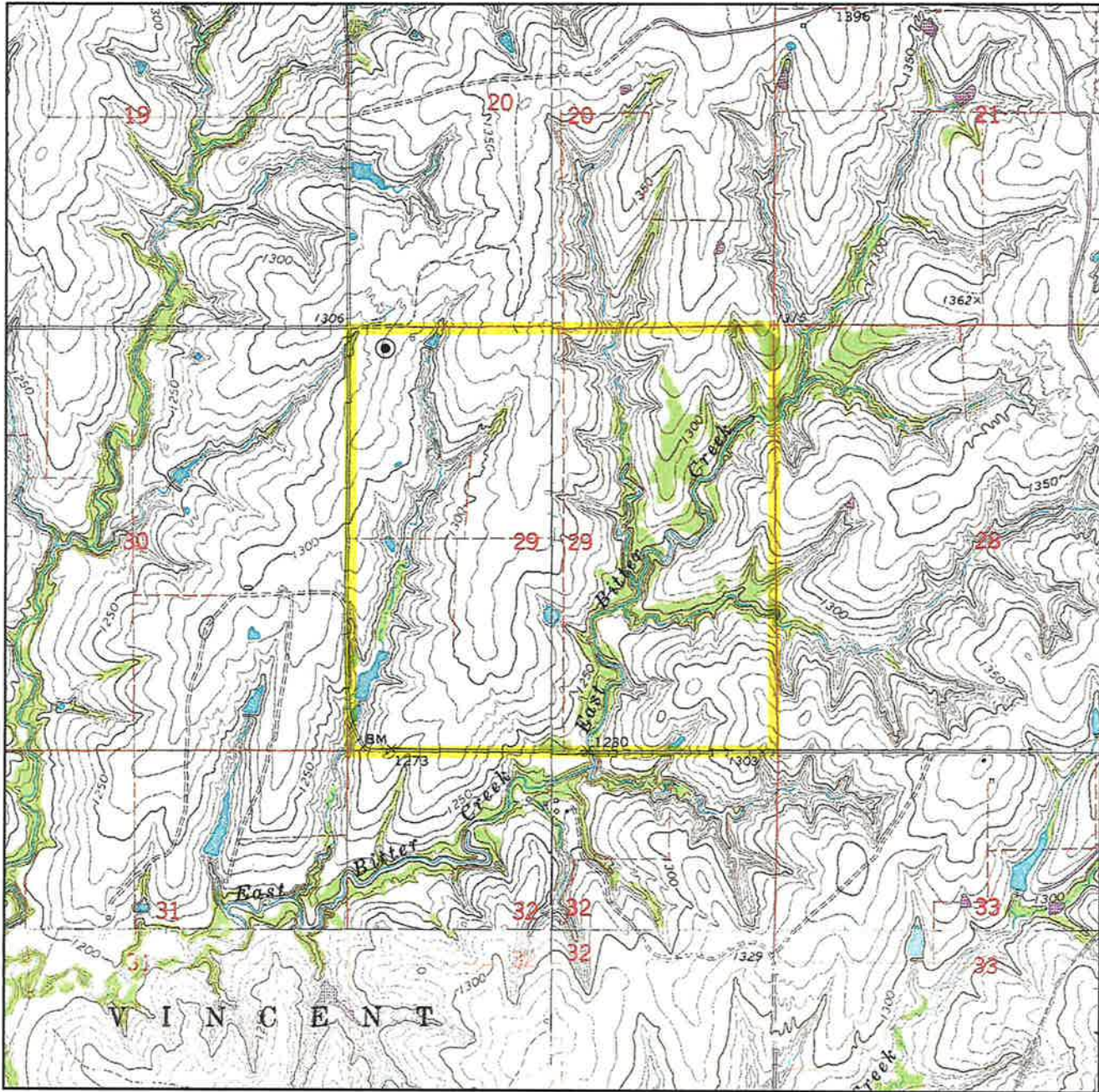
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LOCATION & ELEVATION VERIFICATION MAP



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

County GRADY State OK

Operator EOG RESOURCES, INC.

Description 250'FNL-435'FWL

Lease DESKINS 2932 #1H

Elevation 1323' 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

May 29, 2018