

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

API NUMBER: 051 24283

Approval Date: 02/15/2018

Expiration Date: 08/15/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 8N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 1950

Lease Name: TED

Well No: 2326 4H

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

TED SWANSON
1574 COUNTY ST. 2980
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	10600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707668
201707669
201801029
201801030
201801053
201801054

Special Orders:

Total Depth: 21481

Ground Elevation: 1276

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

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

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

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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: DUNCAN

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: DUNCAN

HORIZONTAL HOLE 1

Sec 26 Twp 8N Rge 5W County GRADY

Spot Location of End Point: S2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 10052

Radius of Turn: 750

Direction: 185

Total Length: 10251

Measured Total Depth: 21481

True Vertical Depth: 10681

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

Notes:

Category

Description

DEEP SURFACE CASING

2/14/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

2/14/2018 - 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

2/14/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; WBM, WBM & 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 - 201707668

2/15/2018 - G75 - (E.O.)(640)(HOR) 23-8N-5W
EXT 652880 WDFD
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
EOG RESOURCES, INC.
REC 12-28-2017 (DUNN)

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.

051 24283 TED 2326 4H

Category	Description
PENDING CD - 201707669	2/15/2018 - G75 - (E.O.)(640)(HOR) 26-8N-5W EXT 634535 WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL EOG RESOURCES, INC. REC 12-28-2017 (DUNN)
PENDING CD - 201801029	2/15/2018 - G75 - 23-8N-5W X201707668 WDFD 3 WELLS EOG RESOURCES, INC. HEARING 2-26-2018
PENDING CD - 201801030	2/15/2018 - G75 - 26-8N-5W X201707669 WDFD 3 WELLS EOG RESOURCES, INC. HEARING 2-26-2018
PENDING CD - 201801053	2/15/2018 - G75 - (E.O.) 23 & 26-8N-5W EST MULTIUNIT HORIZONTAL WELL X201707668 WDFD 23-8N-5W X201707669 WDFD 26-8N-5W 50% 23-8N-5W 50% 26-8N-5W EOG RESOURCES, INC. REC 2-12-2018 (NORRIS)
PENDING CD - 201801054	2/15/2018 - G75 - (E.O.) 23 & 26-8N-5W X201707668 WDFD 23-8N-5W X201707669 WDFD 26-8N-5W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (23-8N-5W) NCT 165' FNL, NCT 0' FSL, NCT 2250' FWL COMPL. INT. (26-8N-5W) NCT 0' FNL, NCT 165' FSL, NCT 2250' FWL EOG RESOURCES, INC. REC 2-12-2018 (NORRIS)
SURFACE LOCATION	2/15/2018 - G75 - 250' FSL, 1950' FEL SE4 14-8N-5W GRADY CO. PER STAKING PLAT

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

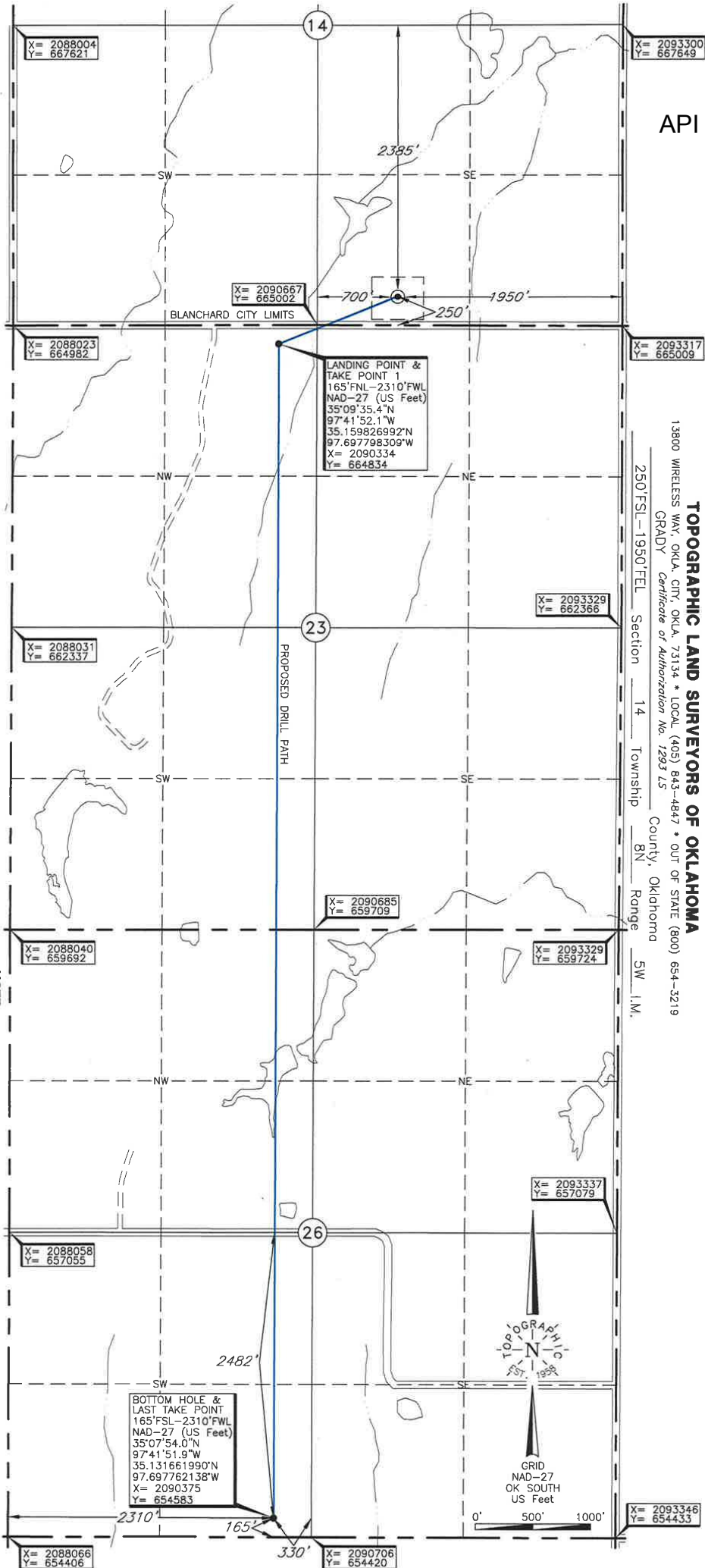
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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API 051-24283

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
GRADY Certificate of Authorization No. 1293 LS
County, Oklahoma
250' FSL - 1950' FEL Section 14 Township 8N Range 8W 11.M.



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

ELEVATION:
1276 Gr. at Stake

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

Operator: EOG RESOURCES, INC.

Lease Name: TED 2326

Well No.: #4H

Topography & Vegetation Loc. fell on hilltop in grass pasture. $\pm 214'$ North of fence

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 St. Hwy. 9/76 /US Hwy. 62/277 and the Grady-McClain county line.
go ± 0.25 miles North, then West ± 1 mile, then ± 2 mile North to the SE Cor. of Sec. 14-T8N-R5W.

DATUM: NAD-27
LAT: 35°09'39.5\"N
LONG: 97°41'39.6\"W
LAT: 35.160970553\"N
LONG: 97.694341605\"W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2091366
Y: 665253

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

Date of Drawing: Nov. 8, 2017

Invoice # 288609 Date Staked: Nov. 2, 2017

TR

CERTIFICATE:

I, Thomas L. Howell, on 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

