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

API NUMBER: 087 22190 A

Approval Date: 10/25/2018
Expiration Date: 04/25/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE SURFACE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 9N Rge: 4W County: MCCLAIN

SPOT LOCATION: NW SW SW SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **416** **327**

Lease Name: TOMCAT 1621 **Well No: 1H** **Well will be 327 feet from nearest unit or lease boundary.**

Operator Name: **EOG RESOURCES INC** Telephone: 4052463224 OTC/OCC Number: 16231 0

EOG RESOURCES INC
3817 NW EXPRESSWAY STE 500
OKLAHOMA CITY, OK 73112-1483

BOBBY & WANDA CASTLE, TRUSTEES
2405 SW 124TH STREET
OKLAHOMA CITY OK 73170

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	8840	6		
2	WOODFORD	8850	7		
3	HUNTON	9000	8		
4			9		
5			10		

Spacing Orders: 682225
Location Exception Orders:
Increased Density Orders:

Pending CD Numbers: 201804543
201804544
201804545

Special Orders:

Total Depth: 19830 Ground Elevation: 1277 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 1010

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

PIT 1 INFORMATION

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34421
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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 21 Twp 9N Rge 4W County MCCLAIN

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: 8409

Radius of Turn: 750

Direction: 179

Total Length: 10243

Measured Total Depth: 19830

True Vertical Depth: 9175

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

Notes:

Category	Description
DEEP SURFACE CASING	10/25/2018 - G75 - 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	10/25/2018 - G75 - 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	10/25/2018 - G75 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - POND CREEK); 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 - 201804543	10/25/2018 - G75 - (E.O.)(640)(HOR) 21-9N-4W VAC 84871/85471 HNTN EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL EOG RESOURCES, INC. REC 10-23-2018 (MILLER)

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.

Category	Description
PENDING CD - 201804544	10/25/2018 - G75 - (E.O.) 16 & 21-9N-4W EST MULTIUNIT HORIZONTAL WELL X682225 MSSP, WDFD, HNTN 16-9N-4W X201804543 MSSP, WDFD, HNTN 21-9N-4W (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 16-9N-4W 50% 21-9N-4W EOG RESOURCES, INC. REC 10-23-2018 (MILLER)
PENDING CD - 201804545	10/25/2018 - G75 - (E.O.) 16 & 21-9N-4W X682225 MSSP, WDFD, HNTN 16-9N-4W X201804543 MSSP, WDFD, HNTN 21-9N-4W COMPL. INT. (16-9N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (21-9N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL EOG RESOURCES, INC. REC 10-23-2018 (MILLER)
SPACING - 682225	10/25/2018 - G75 - (640)(HOR) 16-9N-4W VAC 497555 MISS, HNTN EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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API 087-22190 A

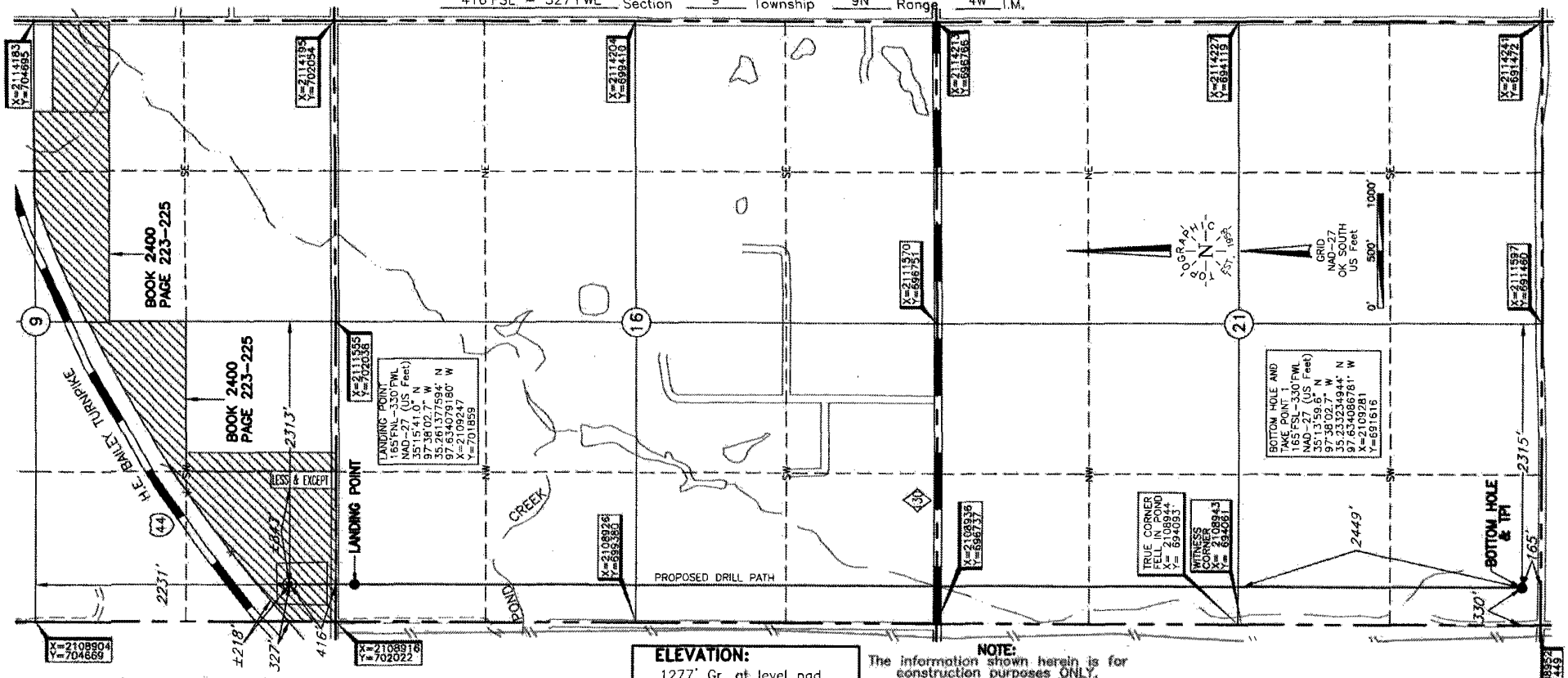
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219

MCCLAIN *Certificate of Authorization No. 1293 LS* County, Oklahoma

416'FSL – 327'FWL Section 9 Township 9N Range 4W I.M.

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



ELEVATION: 1277' Gr. at level pad

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

Operator: EOG RESOURCES, INC.

Lease Name: TOMCAT 1621 Well No.: #1H

Topography & Vegetation Loc. fell on level pad

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 Jct. US Hwys. 62–277 N–S and St. Hwy. 130 West at Newcastle, OK., go ±1.0 mi. North on US Hwys. 62–277, then ±2.0 mi. West to the SW Cor. of Sec. 9–T9N–R4W

DATUM: NAD–27
LAT: 35°15'46.7"N
LONG: 97°38'02.7"W
LAT: 35.262973213°N
LONG: 97.634091183°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2109241
Y: 702440

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

Revision [X] A Date of Drawing: Oct. 15, 2018

Invoice # 304741 Date Staked: Oct. 15, 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

LICENSED PROFESSIONAL LAND SURVEYOR
T. WAYNE FISCH
1378
10-15-2018
OKLAHOMA