API NUMBER: 087 22244

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

Approval Date: 06/05/2019
Expiration Date: 12/05/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 9N Rge: 4W County: MCCLAIN

SPOT LOCATION: SW SE NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **1065** **2294**

Lease Name: WARHAWK 0631 **Well No: 4H** **Well will be 1065 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

MCMURTRY MANAGEMENT & INVESTMENTS, LLC
P.O. BOX 850467
YUKON OK 73085

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	9000	6		
2	WOODFORD	9050	7		
3	HUNTON	9180	8		
4			9		
5			10		

Spacing Orders: 645373
689814

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902749
201902750
201902755
201902756

Special Orders:

Total Depth: 20470 Ground Elevation: 1354 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 1090

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: 19-36330
H. SEE MEMO
G. Haul to recycling/re-use facility: Sec. 1 Twn. 15N Rng. 11W Cnty. 11 Order No: 662791

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 31 Twp 10N Rge 4W County MCCLAIN

Spot Location of End Point: N2 NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 8540

Radius of Turn: 1000

Direction: 1

Total Length: 10359

Measured Total Depth: 20470

True Vertical Depth: 9180

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

Notes:

Category	Description
DEEP SURFACE CASING	5/31/2019 - 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	5/31/2019 - 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	5/31/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM & CUTTINGS TO BE SOIL FARMED; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO HEARTLAND ENVIRONMENTAL RESOURCES (ORDER # 662791) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013)
PENDING CD - 201902749	6/4/2019 - G75 - 6-9N-4W X689814 MSSP, WDFD, HNTN 3 WELLS NO OP. NAMED REC 6-3-2019 (NORRIS)

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 - 201902750	6/4/2019 - G75 - 31-10N-4W X645373 MSSP, WDFD, HNTN 3 WELLS NO OP. NAMED REC 6-3-2019 (NORRIS)
PENDING CD - 201902755	6/4/2019 - G75 - (I.O.) 6-9N-4W & 31-10N-4W EST MULTIUNIT HORIZONTAL WELL X689814 MSSP, WDFD, HNTN 6-9N-4W X645373 MSSP, WDFD, HNTN 31-10N-4W (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD; HOWEVER, DUE TO DRILLING PROBLEMS ENCOUNTERED ON PREVIOUS WELL IN AREA BY OPERATOR, WDFD MAY BE ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 6-9N-4W 50% 31-10N-4W NO OP. NAMED REC 6-3-2019 (NORRIS)
PENDING CD - 201902756	6/4/2019 - G75 - (I.O.) 6-9N-4W & 31-10N-4W X689814 MSSP, WDFD, HNTN 6-9N-4W X645373 MSSP, WDFD, HNTN 31-10N-4W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO WARHAWK 0631 3H COMPL. INT. (6-9N-4W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (31-10N-4W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL NO OP. NAMED REC 6-3-2019 (NORRIS)
SPACING - 645373	6/4/2019 - G75 - (640) 31-10N-4W VAC OTHERS VAC 103735 HNTN EST MSSP, WDFD, HNTN, OTHERS
SPACING - 689814	6/4/2019 - G75 - (640)(HOR) 6-9N-4W VAC 107502/270384 HNTN VAC 270384 MSSP, WDFD EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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

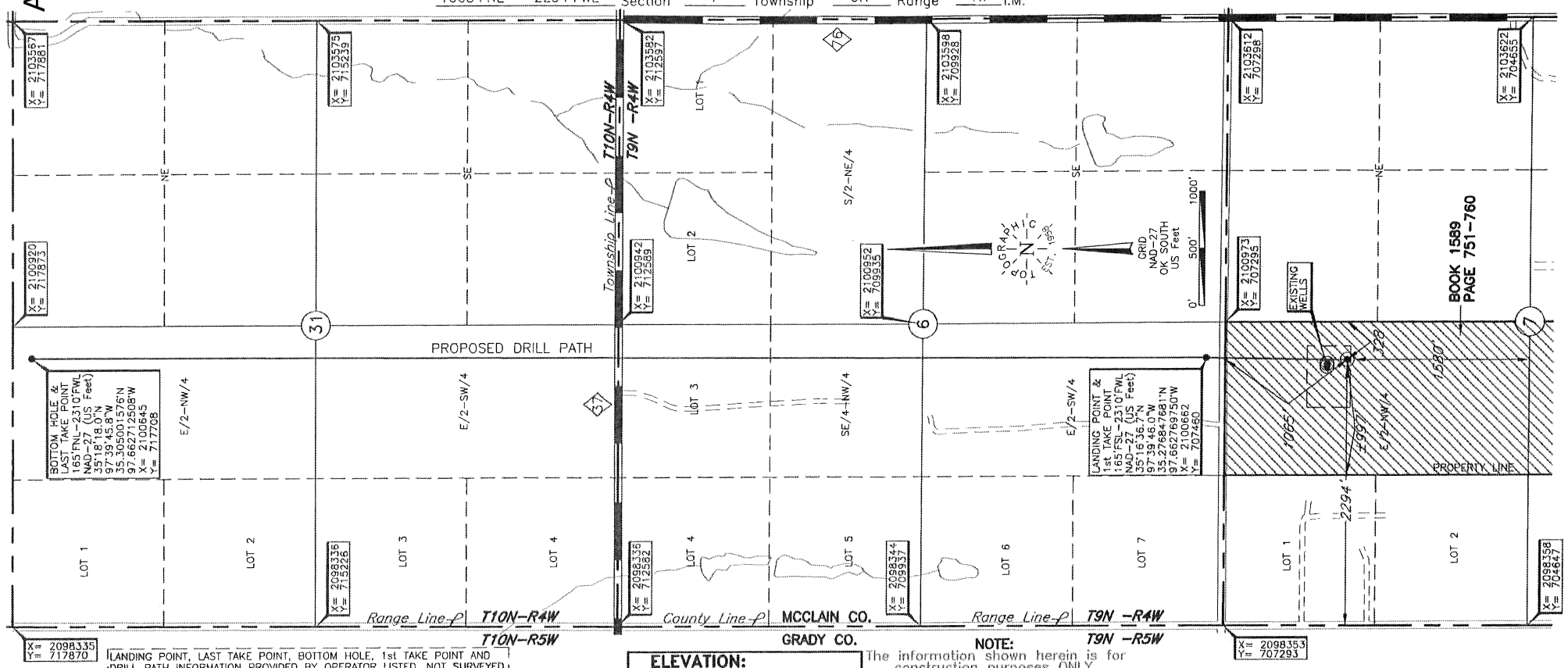
API 087-22244

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

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

1065'FNL – 2294'FWL Section 7 Township 9N Range 4W I.M.



LANDING POINT, LAST TAKE POINT, BOTTOM HOLE, 1st TAKE POINT AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

ELEVATION: 1354' Gr. at Level Pad

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

Operator: EOG RESOURCES, INC.

Lease Name: WARHAWK 0631 Well No.: #4H

Topography & Vegetation Location fell on level pad.

Good Drill Site? Yes

Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction from Hwy Jct or Town From the Jct. of St. Hwy. 76 and St. Hwy. 37, go 1 mile South on St. Hwy. 76, then 1 mile West to the NW corner of Section 7, T9N – R4W.

DATUM: NAD–27
LAT: 35°16'24.5"N
LONG: 97°39'46.2"W
LAT: 35.273468845°N
LONG: 97.662829241°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2100648
Y: 706230

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

Revision [X] A Date of Drawing: Apr. 17, 2019

Project # 124508C Date Staked: Feb. 26, 2019 LC

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

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
4-17-19
OKLAHOMA