

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

API NUMBER: 087 22263 A

Approval Date: 07/02/2019
Expiration Date: 01/02/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: AMEND SHL, UPDATE ORDERS, TD

AMEND 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: 1068 2044

Lease Name: NIGHTHAWK 0718 Well No: 7H Well will be 1068 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 MGMT AND INVESTMENTS LLC
PO BOX 850467
YUKON OK 73085-

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8985	6	
2	WOODFORD	9040	7	
3	HUNTON	9190	8	
4			9	
5			10	

Spacing Orders: 632844 Location Exception Orders: 701698 Increased Density Orders: 700718
682713 700719

Pending CD Numbers: 201903065

Special Orders:

Total Depth: 19840 Ground Elevation: 1353 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 1090

Deep surface casing has been approved

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: 19-36644

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 18 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 18 Twp 9N Rge 4W County MCCLAIN

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1366

Depth of Deviation: 8774

Radius of Turn: 486

Direction: 170

Total Length: 9402

Measured Total Depth: 19840

True Vertical Depth: 9260

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

Notes:

Category

Description

DEEP SURFACE CASING

6/25/2019 - 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

6/25/2019 - 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

INCREASED DENSITY - 700718

7/2/2019 - G56 - 7-9N-4W
X632844 WDFD
4 WELLS
EOG RESOURCES, INC.
8-13-2019

INCREASED DENSITY - 700719

7/2/2019 - G56 - 18-9N-4W
X682713 WDFD
4 WELLS
EOG RESOURCES, INC.
8-13-2019

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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.

LOCATION EXCEPTION - 701698

9/23/2019 - G56 - (I.O.) 7 & 18-9N-4W
X632844 MSSP, WDFD, HNTN 7-9N-4W
X682713 MSSP, WDFD, HNTN 18-9N-4W
X165:10-3-28(C)(2)(B) MSSP, WDFD MAY BE CLOSER THAN 600' TO NIGHTHAWK 0718 5H,
NIGHTHAWK 0718 7H WELLS***
COMPL INT (7-9N-4W) NCT 165' FNL, NCT 0' FSL, NCT 990' FEL COMPL INT (18-9N-4W) NCT 0'
FNL, NCT 165' FSL, NCT 990' FEL
EOG RESOURCES, INC.
9-4-2019

***S/B NIGHTHAWK 0718 6H, NIGHTHAWK 0718 8H; WILL BE CORRECTED AT FINAL HEARING
PER ATTORNEY FOR OPERATOR

MEMO

6/25/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 -
WBM/CUTTINGS WILL BE SOIL FARMED & PIT 2 - CUTTINGS TO BE HAUL TO COMM SOIL
FARMING FAC (HEARTLAND RES) 660850/661694/662791/663822 OR TO DEQ APPROVED FAC -
SOUTHERN PLAINS LANDFILL (GRADY CO) 3526013, PIT 2 - OBM TO VENDOR

PENDING CD - 201903065

9/23/2019 - G56 - (I.O.) 7 & 18-9N-4W
ESTABLISH MULTIUNIT HORIZONTAL WELL
X632844 MSSP, WDFD, HNTN 7-9N-4W
X682713 MSSP, WDFD, HNTN 18-9N-4W
(MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)
50% 7-9N-4W
50% 18-9N-4W
NO OP NAMED
REC 6/25/2019 (MILLER)

SPACING - 632844

7/2/2019 - G56 - (640) 7-9N-4W
VAC 140574 HNTN
EXT 611142 MSSP, WDFD, HNTN, OTHERS

SPACING - 682713

7/2/2019 - G56 - (640)(HOR) 18-9N-4W
EXT 664083 MSSP, WDFD, HNTN
COMPL INT (MSSP, HNTN) NCT 660' FB
COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

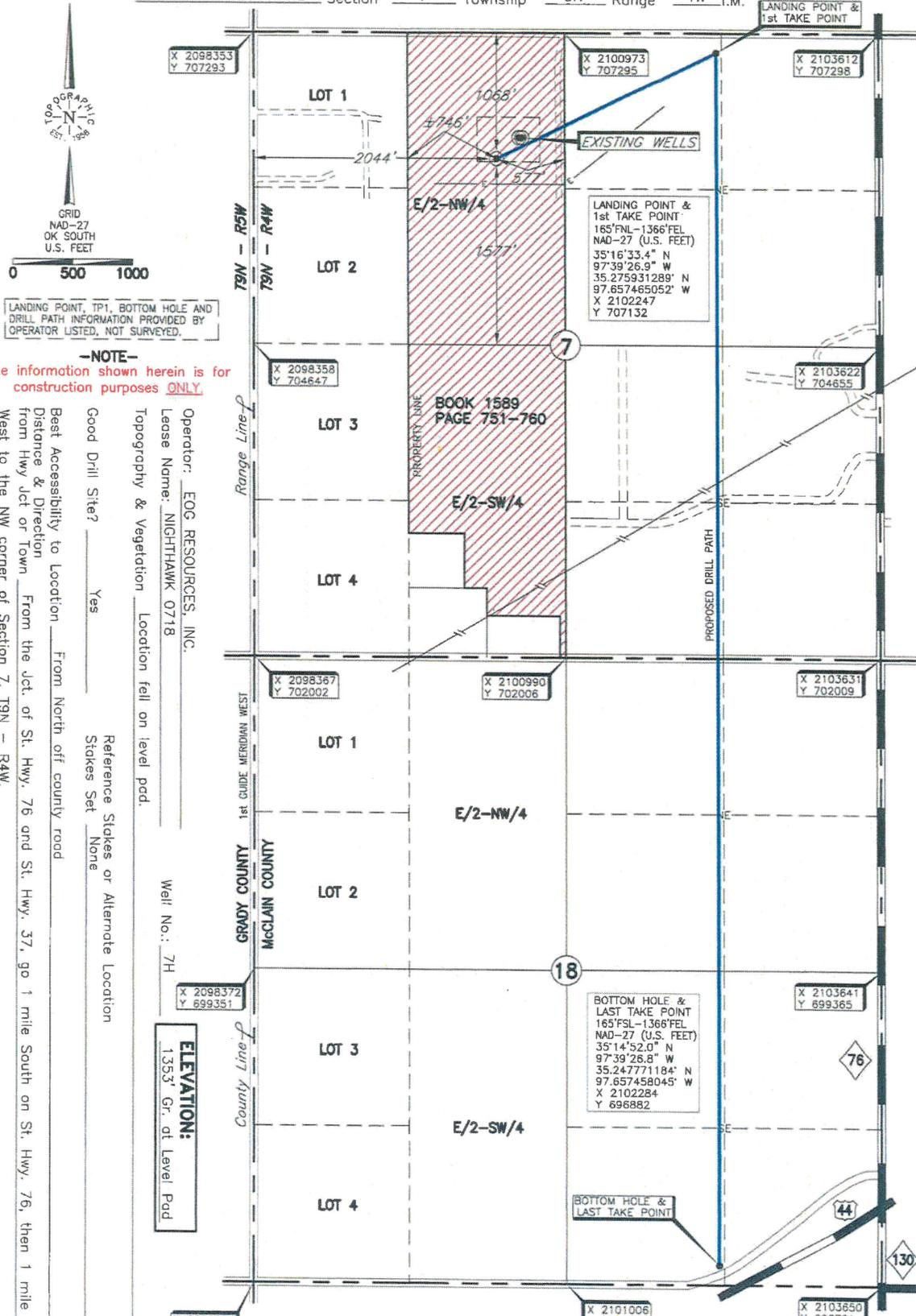
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

McCLAIN

County, Oklahoma

1068' FNL - 2044' FWL Section 7 Township 9N Range 4W I.M.



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

Operator: EOG RESOURCES, INC.
 Lease Name: NICHTHAWK 0718
 Topography & Vegetation: Location fall on level pod.
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From North off county road
 Distance & Direction: 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.

Well No.: 7H
ELEVATION:
 1353' Gr. of Level Pod

DATUM: NAD-27
 LAT: 35° 16' 24.5" N
 LONG: 97° 39' 49.2" W
 LAT: 35.273462363° N
 LONG: 97.663665285° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2100399
 Y: 706227

Revision C Date of Drawing: Aug. 12, 2019
 Project # 124508H Date Staked: Aug. 07, 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

