

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

API NUMBER: 087 22221 A

Approval Date: 02/26/2019  
Expiration Date: 08/26/2020

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION: PITS MEMO

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 8N Rge: 4W

County: MCCLAIN

SPOT LOCATION:  NW  NW  NE  NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 260 1045

Lease Name: DRAGONFLY 0334

Well No: 3H

Well will be 260 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

MARY LEFLORE CLEMENTS  
6601 NORTH HARVEY  
COPELAND GRAHAM FARMS LLC  
OKLAHOMA CITY OK 73116

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9090	6	
2	WOODFORD	9165	7	
3	HUNTON	9310	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807714  
201807713

Special Orders:

Total Depth: 18510

Ground Elevation: 1292

**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

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:

H. SEE MEMO

G. Haul to recycling/re-use facility: Sec. 1 Twn. 15N Rng. 11W Cnty. 11 Order No: 663822

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 34 Twp 9N Rge 4W County MCCLAIN

Spot Location of End Point: SE NW SW NE

Feet From: NORTH 1/4 Section Line: 1700

Feet From: EAST 1/4 Section Line: 2300

Depth of Deviation: 8768

Radius of Turn: 504

Direction: 355

Total Length: 8950

Measured Total Depth: 18510

True Vertical Depth: 9348

End Point Location from Lease,  
Unit, or Property Line: 1700

Additional Surface Owner	Address	City, State, Zip
LOUIS EDWARD LEFLORE TRUST	CAROL JEAN WILSON LEFLORE TRUSTEE 2825 NW	OKLAHOMA CITY, OK 73116

Notes:

Category

Description

COMPLETION INTERVAL

2/26/2019 - GB1 - WOODFORD COMPLETION INTERVAL WILL BE NCT 165' FSL/FNL & NCT 330' FEL/FWL PER OPERATOR

DEEP SURFACE CASING

1/17/2019 - 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

1/17/2019 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

1/17/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM/CUTTINGS & PIT 2 - CUTTINGS TO BE HAUL TO RECYCLING FACILITY (663822) OR TO DEQ APPROVED FAC – SOUTHERN PLAINS LANDFILL (GRADY CO) 3526013, PIT 2 - OBM TO VENDOR

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 - 201807713	2/26/2019 - GB1 - (1280)(HOR) 3-8N-4W & 34-9N-4W VAC 294280 HTLCH** EST MSSP, WDFD, HNTN (COEXIST SP. ORDER #595544/652790 MSSP, WDFD, HNTN; SP # 266211 HNTN) *** REC. 12/19/2018 (MINMIER)  **WILL BE CHANGED TO INCLUDE CMNL BEING VACATED AT FINAL HEARING *** S/B SP. ORDER # 594544/652790 WILL BE CORRECTED AT FINAL HEARING
PENDING CD - 201807714	2/26/2019 - GB1 - (I.O.) 3-8N-4W & 34-9N-4W X201807713 MSSP, HNTN COMPL. INT. (3-8N-4W) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL COMPL. INT. (34-9N-4W) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC. 12/19/2018 (MINMIER)

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.