

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

API NUMBER: 087 22168 A

Approval Date: 07/27/2018

Expiration Date: 01/27/2019

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 9N Rge: 4W

County: MCCLAIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2356 2397

Lease Name: BANSHEE 2029

Well No: 1H

Well will be 2356 feet from nearest unit or lease boundary.

Operator Name: EOG RESOURCES INC

Telephone: 4052463212

OTC/OCC Number: 16231 0

EOG RESOURCES INC  
PO BOX 4362  
OKLAHOMA CITY, OK 73112-1483

MONICA M COOPER 1/3RD  
PO BOX 631  
CYRIL OK 73029

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9230	6	
2	WOODFORD	9300	7	
3	HUNTON	9440	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804005  
201804004  
201804025  
201804006

Special Orders:

Total Depth: 21159

Ground Elevation: 1270

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 670

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

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

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34707

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 20 Twp 9N Rge 4W County MCCLAIN

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9500

Radius of Turn: 900

Direction: 340

Total Length: 10244

Measured Total Depth: 21159

True Vertical Depth: 9500

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

Additional Surface Owner	Address	City, State, Zip
JAMES L MORGAN 1/3RD	1606 SURREY DRIVE	NORMAN, OK 73071
ANDREA ANDRADE 1/3RD	1100 MORGAN LANE	BLANCHARD, OK 73010

Notes:

Category

Description

DEEP SURFACE CASING

7/26/2018 - G58 - 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

7/26/2018 - G58 - 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

7/26/2018 - G58 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; 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

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

087 22168 BANSHEE 2029 1H

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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.

Category	Description
PENDING CD - 201804004	7/26/2018 - G58 - (E.O.)(640)(HOR) 29-9N-4W VAC 138745 MISS, HNTN EST MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 7/17/2018 (THOMAS)
PENDING CD - 201804005	7/26/2018 - G58 - (E.O.)(640)(HOR) 20-9N-4W VAC 138745 MISS, HNTN EST MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 7/17/2018 (THOMAS)
PENDING CD - 201804006	7/26/2018 - G58 - (E.O.) 20 & 29-9N-4W EST MULTIUNIT HORIZONTAL WELL X201804004 MSSP, WDFD, HNTN (29-9N-4W) X201804005 MSSP, WDFD, HNTN (20-9N-4W) 50% 20-9N-4W 50% 29-9N-4W NO OP. NAMED REC 7/17/2018 (THOMAS)
PENDING CD - 201804025	7/26/2018 - G58 - (E.O.) 20 & 29-9N-4W X201804004 MSSP, WDFD, HNTN (29-9N-4W) X201804005 MSSP, WDFD, HNTN (20-9N-4W) COMPL. INT. (20-9N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (29-9N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 7/17/2018 (THOMAS)

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