

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

API NUMBER: 087 22193 A

Approval Date: 11/08/2018
Expiration Date: 05/08/2020

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION TO CORRECT MULTIUNIT ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 9N Rge: 4W County: MCCLAIN
SPOT LOCATION: SW SE NW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1642 1695

Lease Name: PHANTOM 2227 Well No: 1H Well will be 1642 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

JUANIT GRIFFITH FAMILY IRREVOCABLE TRUST
1333 SE 32ND
PATSY MCMAHAN, SUCCESSOR TRUSTEE
NEWCASTLE OK 73065

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8865	6	
2 WOODFORD	8965	7	
3 HUNTON	9100	8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807120
201807121
201807122
201807123

Special Orders:

Total Depth: 19363 Ground Elevation: 1279 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 810

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35089

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 22 Twp 9N Rge 4W County MCCLAIN

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 8546

Radius of Turn: 364

Direction: 10

Total Length: 10237

Measured Total Depth: 19363

True Vertical Depth: 9126

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

Notes:

Category

Description

DEEP SURFACE CASING

10/3/2018 - 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

10/3/2018 - 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

10/3/2018 - G71 - 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

PENDING CD - 201807120

10/19/2018 - G58 - (640)(HOR) 22-9N-4W
EST MSSP, WDFD, HNTN
COMPL. INT. (MSSP & HNTN) NLT 660' FB
COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
REC 10/29/2018 (P. PORTER)

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 - 201807121	10/19/2018 - G58 - (640)(HOR) 27-9N-4W EXT 681230 MSSP, WDFD, HNTN COMPL. INT. (MSSP & HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 586879 MISS, WDFD, HNTN) REC 10/29/2018 (P. PORTER)
PENDING CD - 201807122	10/19/2018 - G58 - (I.O.) 22 & 27-9N-4W EST MULTIUNIT HORIZONTAL WELL X201807120 MSSP, WDFD, HNTN 22-9N-4W X201807121 MSSP, WDFD, HNTN 27-9N-4W (MSSP, HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 22-9N-4W 50% 27-9N-4W NO OP. NAMED REC 11/5/2018 (MILLER)
PENDING CD - 201807123	10/19/2018 - G58 - (I.O.) 22 & 27-9N-4W EST MULTIUNIT HORIZONTAL WELL X201807120 MSSP, WDFD, HNTN 22-9N-4W X201807121 MSSP, WDFD, HNTN 27-9N-4W (MSSP, HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) COMPL. INT. 27-9N-4W NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. 22-9N-4W NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 11/5/2018 (MILLER)

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