

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

API NUMBER: 087 22152 A

Approval Date: 06/25/2018

Expiration Date: 12/25/2018

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION TO CORRECT WELL NAME

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 9N Rge: 4W

County: MCCLAIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 525 388

Lease Name: MCMAHAN

Well No: 0112 1H

Well will be 388 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

JUANITA GRIFFIN TRUST, PATSY MCMAHAN  
1333 SE 32ND STREET  
SUCCESSOR TRUSTEE  
NEWCASTLE OK 73065

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8980	6	
2	WOODFORD	9080	7	
3	HUNTON	9230	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804292  
201804293  
201804290  
201804291

Special Orders:

Total Depth: 20008

Ground Elevation: 1254

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 440

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34422

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 12 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9092

Radius of Turn: 477

Direction: 180

Total Length: 10167

Measured Total Depth: 20008

True Vertical Depth: 9314

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

6/14/2018 - 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

6/14/2018 - 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](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

6/14/2018 - 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

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

087 22152 MCMAHAN 0112 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 - 201804290	<p>6/22/2018 - G58 - (640)(HOR) 1-8N-4W  VAC 477862 MISS**  EST MSSP, WDFD, HNTN  COMPL. INT. (MSSP, HNTN) NCT 660' FB  COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL  REC 6/18/2018 (MILLER)</p> <p>**SHOULD VACATE CNEY AS WELL; WILL VACATE CNEY CHANGED AT HEARING PER ATTORNEY FOR OP.</p>
PENDING CD - 201804291	<p>6/22/2018 - G58 - (640)(HOR) 12-8N-4W  VAC 411928 HNTN  VAC 477862 MISS**  VAC 178537 HNTN  EST MSSP, WDFD, HNT  COMPL. INT. (MSSP, HNTN) NCT 660' FB  COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL  REC 6/18/2018 (MILLER)</p> <p>**SHOULD VACATE CNEY AS WELL; WILL VACATE CNEY CHANGED AT HEARING PER ATTORNEY FOR OP.</p>
PENDING CD - 201804292	<p>6/22/2018 - G58 - (I.O.) 1 &amp; 12-8N-4W  EST MULTIUNIT HORIZONTAL WELL  X201804290 MSSP, WDFD, HNTN 1-8N-4W  X201804291 MSSP, WDFD, HNTN 12-8N-4W  (MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)  50% 1-8N-4W  50% 12-8N-4W  NO OP. NAMED  REC 6/18/2018 (MILLER)</p>
PENDING CD - 201804293	<p>6/22/2018 - G58 - (I.O.) 1 &amp; 12-8N-4W  X201804290 MSSP, WDFD, HNTN 1-8N-4W  X201804291 MSSP, WDFD, HNTN 12-8N-4W  COMPL. INT. (1-8N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL  COMPL. INT. (12-8N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL  NO OP. NAMED  REC 6/18/2018 (MILLER)</p>