

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

API NUMBER: 087 22092 B

Approval Date: 11/30/2017
Expiration Date: 05/30/2018

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE WELL NUMBER, SURFACE OWNER &
BOTTOM-HOLE LOCATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 7N Rge: 4W County: MCCLAIN
SPOT LOCATION: ☐ SW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 407 2205

Lease Name: STURGELL Well No: 1720 3HR Well will be 407 feet from nearest unit or lease boundary.
Operator EOG RESOURCES INC Telephone: 4052463224 OTC/OCC Number: 16231 0
Name:

EOG RESOURCES INC
3817 NW EXPRESSWAY STE 500
OKLAHOMA CITY, OK 73112-1483

THURMAN GENE STURGELL
25984 SH 76
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10310	6	
2	WOODFORD	10425	7	
3	HUNTON	10545	8	
4			9	
5			10	

Spacing Orders: 671787 Location Exception Orders: 684155 Increased Density Orders: 684419
671043
677921
677769
686839

Pending CD Numbers: 201800178

Special Orders:

Total Depth: 21263 Ground Elevation: 1254 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 420

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: 17-33391

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 7N Rge 4W County MCCLAIN

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 10118

Radius of Turn: 573

Direction: 181

Total Length: 10245

Measured Total Depth: 21263

True Vertical Depth: 10719

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

Notes:

Category

Description

DEEP SURFACE CASING

11/16/2017 - 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

11/16/2017 - 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 - 684419

2/22/2019 - G75 - (I.O.) 20-7N-4W
X671043 MSSP, WDFD, HNTN **
3 WELLS
NO OP. NAMED
10-5-2018

** S/B 671043 AS CONFIRMED BY 677769 MSSP, WDFD, HNTN; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR

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.

087 22092 STURGELL 1720 3HR

Category	Description
LOCATION EXCEPTION - 684155	<p>2/22/2019 - G75 - (I.O.) 17 & 20-7N-4W X671787 MSSP, WDFD, HNTN 17-7N-4W ** X671043 MSSP, WDFD, HNTN 20-7N-4W ++ X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (17-7N-4W) NCT 165' FNL, NCT 0' FSL, NCT 1260' FWL COMPL. INT. (20-7N-4W) NCT 0' FNL, NCT 165' FSL, NCT 1260' FWL EOG RESOURCES, INC. 10-2-2018</p> <p>** S/B 671787 AS CONFIRMED BY 677921 MSSP, WDFD, HNTN 17-7N-4W; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p> <p>++ S/B 671043 AS CONFIRMED BY 677769 MSSP, WDFD, HNTN 20-7N-4W; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p>
MEMO	<p>11/16/2017 - 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</p>
PENDING CD - 201800178	<p>2/22/2019 - G75 - 17-7N-4W X671787 MSSP, WDFD, HNTN ** 3 WELLS NO OP. NAMED HEARING 2-26-2019</p> <p>** S/B 671787 AS CONFIRMED BY 677921 MSSP, WDFD, HNTN; TO BE CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR</p>
SPACING - 677769	<p>2/22/2019 - G75 - (640)(HOR) 20-7N-4W CONFIRM 671043 AFTER FAILURE TO NOTICE CERTAIN RESPONDENTS</p>
SPACING - 677921	<p>2/22/2019 - G75 - (640)(HOR) 17-7N-4W CONFIRM 671787 AFTER FAILURE TO NOTICE CERTAIN RESPONDENTS</p>
SPACING - 686839	<p>2/22/2019 - G75 - (I.O.) 17 & 20-7N-4W EST MULTIUNIT HORIZONTAL WELL X671787 MSSP, WDFD, HNTN 17-7N-4W ** X671043 MSSP, WDFD, HNTN 20-7N-4W ++ (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 17-7N-4W 50% 20-7N-4W NO OP. NAMED 11-19-2018</p> <p>** S/B 671787 AS CONFIRMED BY 677921 MSSP, WDFD, HNTN 17-7N-4W; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p> <p>++ S/B 671043 AS CONFIRMED BY 677769 MSSP, WDFD, HNTN 20-7N-4W; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p>
SPACING ORDER - 671043	<p>2/22/2019 - G75 - (640)(HOR) 20-7N-4W EXT 635145 MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 100960/110671/112492 MSRH S2, NE4 & ORDER # 327983 HNTN NW4)</p>
SPACING ORDER - 671787	<p>2/22/2019 - G75 - (640)(HOR) 17-7N-4W EXT 635145 MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL</p>

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

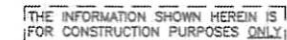
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13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 IS

McCLAIN County, Oklahoma

407'FNL - 2205'FWL Section 17 Township 7N Range 4W I.M.



(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy)

DATUM: NAD-27
LAT: 35°05'11.8" N
LONG: 97°38'43.4" W
LAT: 35.086622319° N
LONG: 97.645384949° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2106095
Y: 638241

Project # 124377 Date of Drawing: Feb. 21, 2019
Date Staked: Mar. 01, 2018 JP

I, Dan W. Rogers an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

information shown herein.

Walter Rogers

Oklahoma Lic. No. 1200

