

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

API NUMBER: 087 22205 B

Approval Date: 12/21/2018
Expiration Date: 06/21/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: SHL AND BHL AND TD

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 8N Rge: 4W County: MCCLAIN
SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 276 1628

Lease Name: TERRI 1621 Well No: 5H Well will be 276 feet from nearest unit or lease boundary.
Operator Name: EOG RESOURCES INC Telephone: 4052463212 OTC/OCC Number: 16231 0

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

ROY OLIVER
101NORTH ROBINSON, STE 900
OKLAHOMA CITY OK 73102

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9360	6	
2	WOODFORD	9400	7	
3			8	
4			9	
5			10	

Spacing Orders: 601388
671519
672465

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809567
201809568
201809575
201809576

Special Orders:

Total Depth: 19900 Ground Elevation: 1170 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

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

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

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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

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 21 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: SE SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2560

Depth of Deviation: 9000

Radius of Turn: 423

Direction: 185

Total Length: 10235

Measured Total Depth: 19900

True Vertical Depth: 9695

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

Notes:

Category

Description

DEEP SURFACE CASING

12/19/2018 - 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

12/19/2018 - 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

12/19/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BRIDGE CREEK), PIT 1 - WBM/CUTTINGS & PIT 2 - CUTTINGS TO BE HAUL TO COMM PITS (587498) OR TO DEQ APPROVED FAC - SOUTHERN PLAINS LANDFILL (GRADY CO) 3526013, PIT 2 - OBM TO VENDOR

PENDING CD - 201809567

12/20/2018 - G58 - 16-8N-4W
X601388 WDFD
4 WELLS
NO OP. NAMED
REC 12/17/2018 (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.

087 22205 TERRI 1621 5H

Category	Description
PENDING CD - 201809568	12/20/2018 - G58 - 21-8N-4W X671519/672465 WDFD 4 WELLS NO OP. NAMED REC 12/17/2018 (P. PORTER)
PENDING CD - 201809575	12/20/2018 - G58 - (I.O.) 16 & 21-8N-4W EST MULTIUNIT HORIZONTAL WELL X601388 MSSP, WDFD, OTHER 16-8N-4W X671519/672465 MSSP, WDFD X628255 OTHER (MSSP, HNTN ARE ADJACENT CSS TO WDFD) 50% 16-8N-4W 50% 21-8N-4W NO OP. NAMED 12/17/2018 (P.PORTER)
PENDING CD - 201809576	12/20/2018 - G58 - (I.O.) 16 & 21-8N-4W X601388 MSSP, WDFD, OTHER 16-8N-4W X671519/672465 MSSP, WDFD X628255 OTHER X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO PROPOSED WELL COMPL. INT. 16-8N-4W NCT 165' FNL, NCT 0' FSL, NCT 1320' FWL COMPL. INT. 21-8N-4W NCT 0' FNL, NCT 165' FSL, NCT 1320' FWL NO OP. NAMED 12/17/2018 (P.PORTER)
SPACING - 601388	12/20/2018 - G58 - (640) 16-8N-4W VAC 165857 OTHERS EXT 588047 MSSP, WDFD, OTHERS
SPACING - 671519	12/20/2018 - G58 - (640)(HOR) 21-8N-4W EXT 663347 MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 628255 MSSP)
SPACING - 672465	12/20/2018 - G58 - NPT TO SP. ORDER 671519 TO COEXIST WITH WDFD FROM ORDER 628255