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

API NUMBER: 045 23658 A

Approval Date: 05/09/2017
Expiration Date: 11/09/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE CASING DEPTH; ADD DISPOSAL METHOD; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 17N Rge: 24W County: ELLIS

SPOT LOCATION: NW NE NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **300** **2305**

Lease Name: TEDDY **Well No: 1-5H** **Well will be 300 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 STE 500
OKLAHOMA CITY, OK 73112-1483

EDDIE MILLER & SUSAN MILLER REV. TRUST
42585 US HIGHWAY 283
ARNETT OK 73832

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

	Name	Depth		Name	Depth
1	MARMATON	9650	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 579335 Location Exception Orders: 664207 Increased Density Orders: 663729

Pending CD Numbers: Special Orders:

Total Depth: 13960 Ground Elevation: 2400 **Surface Casing: 2000** Depth to base of Treatable Water-Bearing FM: 690

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: 100000 Average: 5000
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: OGALLALA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32503
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: OGALLALA

HORIZONTAL HOLE 1

Sec 01 Twp 17N Rge 24W County ELLIS

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2055

Depth of Deviation: 8285

Radius of Turn: 477

Direction: 355

Total Length: 4926

Measured Total Depth: 13960

True Vertical Depth: 9650

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

Notes:

Category	Description
BOTTOM-HOLE LOCATION	5/9/2017 - G75 - 165' FNL, 2055' FWL NW4 1-17N-24W PER STAKING PLAT
DEEP SURFACE CASING	6/1/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	5/5/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
INCREASED DENSITY - 663729	6/6/2017 - G75 - 1-17N-24W X579335 MRMN 3 WELLS EOG RESOURCES, INC. 5-16-2017
LOCATION EXCEPTION - 664207	6/6/2017 - G75 - (I.O.) 1-17N-24W X579335 MRMN COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 2055' FWL EOG RESOURCES, INC. 5-31-2017
MEMO	6/6/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO LONE MOUNTAIN FACILITY, EPA ID # OKD065438376, 28 & 33-23N-15W, MAJOR CO.

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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
SPACING - 579335	5/9/2017 - G75 - (640)(HOR) 1-17N-24W EST MRMN POE TO BHL NCT 660' FB (COEXIST PRODUCING NON-HORIZONTAL SPACING UNITS)
SURFACE LOCATION	5/9/2017 - G75 - 300' FNL, 2305' FWL NW4 12-17N-24W PER STAKING PLAT

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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.