

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

API NUMBER: 045 23656 B

Approval Date: 05/08/2017
Expiration Date: 11/08/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE HOLE LOCATION & GROUND ELEVATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 17N Rge: 24W County: ELLIS
SPOT LOCATION: NE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 300 1340

Lease Name: MAX Well No: 11-4H 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

TRC OKLAHOMA RANCH, LLC
P.O. BOX 787
ASHLAND KS 67831

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

	Name	Depth	Name	Depth
1	MARMATON	9450	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 604203 Location Exception Orders: 664383 Increased Density Orders: 663708

Pending CD Numbers: Special Orders:

Total Depth: 14155 Ground Elevation: 2339 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 600

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: 17-32505
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 11 Twp 17N Rge 24W County ELLIS

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2255

Depth of Deviation: 8470

Radius of Turn: 477

Direction: 355

Total Length: 4936

Measured Total Depth: 14155

True Vertical Depth: 9625

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

Notes:

Category

Description

BOTTOM-HOLE LOCATION

5/8/2017 - G75 - 165' FNL, 2255' FEL NE4 11-17N-24W PER STAKING PLAT

DEEP SURFACE CASING

5/5/2017 - 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/](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 - 663708

6/9/2017 - G75 - 11-17N-24W
X604203 MRMN
3 WELLS
EOG RESOURCES, INC.
5-16-2017

LOCATION EXCEPTION - 664383

6/9/2017 - G75 - (I.O.) 11-17N-24W
X604203 MRMN
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 2200' FEL
EOG RESOURCES, INC.
6-5-2017

MEMO

6/7/2017 - 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.

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

SPACING - 604203

5/8/2017 - G75 - (640)(HOR) 11-17N-24W
EXT 602335 MRMN
POE TO BHL NCT 660' FB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST PRODUCING
NON-HORIZONTAL SPACING UNITS)

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