

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

API NUMBER: 045 23413

Approval Date: 12/02/2013

Expiration Date: 06/02/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 17N Rge: 24W

County: ELLIS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 200 1420

Lease Name: ROBERTA

Well No: 35-2H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: EOG RESOURCES INC

Telephone: 4052463226; 7136517

OTC/OCC Number: 16231 0

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

KENNETH K. & CHARLENE K. KNOWLES REV. TR.
HCR 63 BOX 6
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 MARMATON	9500	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 610233

Location Exception Orders: 616558

Increased Density Orders: 616511

Pending CD Numbers:

Special Orders:

Total Depth: 14590

Ground Elevation: 2423

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 710

Under Federal Jurisdiction: Yes

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: 8000 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

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 13-24964

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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.

HORIZONTAL HOLE 1

Sec 35 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: W2 NE NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1730

Depth of Deviation: 9851

Radius of Turn: 503

Direction: 357

Total Length: 4739

Measured Total Depth: 14590

True Vertical Depth: 9520

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

12/2/2013 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

INCREASED DENSITY - 616511

12/2/2013 - G30 - 35-18N-24W
X610223** MRMN
1 WELL
EOG RESOURCES, INC.
10/1/13

**SB 610233, NPT TO BE FILED PER OPERATOR

LOCATION EXCEPTION - 616558

12/2/2013 - G30 - (I.O.) 35-18N-24W
X610223** MRMN
SHL NCT 200 FNL, NCT 1420 FEL 2-17N-24W
POE NCT 330 FSL, NCT 1450 FEL 35-18N-24W
BHL NCT 330 FNL, NCT 1730 FEL 35-18N-24W
EOG RESOURCES, INC.
10/2/13

**S/B 610233, TO BE CORRECTED IN HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

SPACING - 610233

12/2/2013 - G30 - (640 HOR) 35-18N-24W
EXT 601929 MRMN
POE TO BHL NCT 660' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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045 23413 ROBERTA 35-2H