

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

API NUMBER: 045 23277

Approval Date: 11/15/2012
Expiration Date: 05/15/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 18N Rge: 24W County: ELLIS
SPOT LOCATION: SE SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 1230

Lease Name: WAYLAND Well No: 33-2H Well will be 250 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

JOHNSON FAMILY TRUST
HCR 63, BOX 25A
ARNETT OK 73832

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: 600333

Location Exception Orders: 601278

Increased Density Orders:

Pending CD Numbers: 201207330

Special Orders:

Total Depth: 14085

Ground Elevation: 2343

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 530

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 12-21927

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 33 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: E2 NE NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1150

Depth of Deviation: 9846

Radius of Turn: 507

Direction: 359

Total Length: 4239

Measured Total Depth: 14085

True Vertical Depth: 9479

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

Notes:

Category	Description
DEEP SURFACE CASING	11/15/2012 - 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
LOCATION EXCEPTION - 601278	11/15/2012 - G30 - (I.O.) 33-18N-24W X600333 MRMN POE NCT 330 FSL, NCT 1230 FWL BHL NCT 330 FNL, NCT 800 FWL EOG RESOURCES, INC. 8/23/12
PENDING CD - 201207330	11/15/2012 - G30 - 33-18N-24W X600333 MRMN 1 WELL NO OP. NAMED HEARING 12/3/12
SPACING - 600333	11/15/2012 - G30 - (640 HOR) 33-18N-24W EXT 588987 MRMN, OTHERS EST OTHER

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