

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

API NUMBER: 015 23221 A

Approval Date: 03/01/2013
Expiration Date: 09/01/2013

Horizontal Hole Oil & Gas

Amend reason: MUD SYSTEM

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 9N Rge: 10W County: CADDO
SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 760

Lease Name: FARROW Well No: 20-1H 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

SEDRA FARROW, TRUSTEE
PO BOX 92
GRACEMONT OK 73042

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

Name	Depth	Name	Depth
1 HOXBAR	9970	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201300836
201300838

Special Orders:

Total Depth: 14480 Ground Elevation: 1242 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 260

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-22590
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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 20 Twp 9N Rge 10W County CADDO

Spot Location of End Point: W2 NE NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 760

Depth of Deviation: 10282

Radius of Turn: 500

Direction: 360

Total Length: 4198

Measured Total Depth: 14480

True Vertical Depth: 9979

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

Notes:

Category

Description

DEEP SURFACE CASING

3/1/2013 - 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

MEMO

4/1/2013 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201300836

3/1/2013 - G30 - (640 HOR) 20-9N-10W
EST HXBR
POE TO BHL: NCT 660' FB
(SUPERSEDE EXISTING NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 2/25/13 (M.PORTER)

PENDING CD - 201300838

3/1/2013 - G30 - 20-9N-10W
X201300836 HXBR
SHL NCT 250 FSL, NCT 760 FWL
POE NCT 330 FSL, NCT 760 FWL
BHL NCT 330 FNL, NCT 760 FWL
NO OP. NAMED
REC 2/25/13 (M.PORTER)

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