

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

API NUMBER: 045 23376

Approval Date: 07/24/2013
Expiration Date: 01/24/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 18N Rge: 24W County: ELLIS
SPOT LOCATION: SE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 200 850

Lease Name: CHARLENE Well No: 6-1H 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

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

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

Name	Depth	Name	Depth
1 OSWEGO	9100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 165624

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201304171
201304173

Special Orders:

Total Depth: 13795

Ground Elevation: 2302

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 540

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 13-23901

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 06 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: 1700

Depth of Deviation: 9442

Radius of Turn: 504

Direction: 350

Total Length: 4353

Measured Total Depth: 13795

True Vertical Depth: 9100

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

Notes:

Category	Description
DEEP SURFACE CASING	7/23/2013 - 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
PENDING CD - 201304171	7/24/2013 - G30 - 6-18N-24W X165624 OSWG, OTHER XOTHER 1 WELL NO OP. NAMED REC 7/15/13 (NORRIS)
PENDING CD - 201304173	7/24/2013 - G30 - 6-18N-24W X165624 OSWG, OTHER XOTHER 1ST PERF NCT 330 FSL, NCT 1150 FE LAST PERF NCT 330 FNL, NCT 1700 FEL NO OP. NAMED REC 7/15/13 (NORRIS)
SPACING - 165624	7/24/2013 - G30 - (640) 6-18N-24W EXT 88225/156661 OSWG EXT OTHERS EST OTHERS

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