

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

API NUMBER: 087 22094

Approval Date: 12/12/2017

Expiration Date: 12/12/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 8N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 362 985

Lease Name: CINDY

Well No: 2116 1H

Well will be 362 feet from nearest unit or lease boundary.

Operator Name: EOG RESOURCES INC

Telephone: 4052463212

OTC/OCC Number: 16231 0

EOG RESOURCES INC
PO BOX 4362
OKLAHOMA CITY, OK 73112-1483

CYNTHIA A MOONEY
PO BOX 1008
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9265	6	
2	WOODFORD	9375	7	
3			8	
4			9	
5			10	

Spacing Orders: 601388

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201704802
201704803
201704804
201708221

Special Orders:

Total Depth: 20382

Ground Elevation: 1274

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 480

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: 5000 Average: 3000

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: DUNCAN

D. One time land application -- (REQUIRES PERMIT)
H. SEE MEMO

PERMIT NO: 17-33524

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: DUNCAN

HORIZONTAL HOLE 1

Sec 16 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9302

Radius of Turn: 369

Direction: 358

Total Length: 10500

Measured Total Depth: 20382

True Vertical Depth: 9882

End Point Location from Lease,
Unit, or Property Line: 65

Additional Surface Owner	Address	City, State, Zip
THOMAS W CURRY	555 DEL MONTE, UNIT 1103	HOUSTON, TX 77056
NANCY CURRY	2610 RIP VAN WINKLE	PEARLAND, TX 77581
DEPT OF TRANSPORTATION/STATE	200 NORTHEAST 21ST STREET	OKLAHOMA CITY, OK 73105

Notes:

Category

Description

DEEP SURFACE CASING

11/28/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

11/28/2017 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

MEMO

11/28/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM & CUTTINGS TO BE SOIL FARMED, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS HAULED TO DEQ APPROVED FACILITY - SOUTHERN PLAINS LANDFILL (GRADY) – 3526013

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

087 22094 CINDY 2116 1H

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
PENDING CD - 201704802	<p>11/30/2017 - G60 - (640)(HOR) 21-8N-4W EST 663347 MSSP, WDFD ** COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL AND NCT 330' FEL/FWL (COEXIST WITH PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS) ** REC. 10/10/17 (JACKSON)</p> <p>**WILL CORRECT TO INDICATE IT WILL COEXIST WITH SP. ORDER 628255 MSSP, WDFD FOR THE FINAL ORDER PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201704803	<p>11/30/2017 - G60 - (I.O.) 21 & 16-8N-4W EST MULTIUNIT HORIZONTAL WELL X201704802 MSSP, WDFD (21-8N-4W) X601388 MSSP (16-8N-4W) 50% 21-8N-4W 50% 26-8N-4W NO OP. NAMED REC. 11/13/17 (MILLER)</p>
PENDING CD - 201704804	<p>11/30/2017 - G60 - (I.O.) 21 & 16-8N-4W X201704802 MSSP, WDFD (21-8N-4W) X601388 MSSP (16-8N-4W) COMPL. INT. (21-8N-4W) NCT 165' FSL, NCT 0' FNL, NCT 860' FWL COMP. INT. (16-8N-4W) NCT 0' FSL, NCT 165' FNL, NCT 860' FWL NO OP. NAMED REC. 11/13/17 (MILLER)</p>
PENDING CD - 201708221	<p>12/11/2017 - G60 - (E.O.) 16-8N-4W X601388 WDFD 2 WELLS NO OP. NAMED HEARING 12/12/17</p>
SPACING - 601388	<p>11/30/2017 - G60 - (640) 16-8N-4W VAC OTHERS EXT 588047 MSSP, WDFD, OTHERS</p>



Permit ex. 6/12/18
Surety ex 2/23/19
operator # 16231

EOG Resources, Inc.
3817 NW Expressway
Suite 500
Oklahoma City, OK 73112-1483
(405) 246-3100

May 25, 2018

Via Fed Ex Overnight Delivery

Attention: Ms. Virginia Hullinger
Oklahoma Corporation Commission
Oil and Gas Conservation Division
Jim Thorpe Building
2101 N. Lincoln Blvd.
Oklahoma City, OK 73105

RE: Request for Six (6) Month Extension of OCC Drilling Permit ✓
Cindy 2116 #1H API No. 087 22094 ✓
Section 21-8N-4W ✓
McClain County, Oklahoma ✓

Dear Ms. Hullinger:

EOG Resources, Inc. respectfully requests a six (6) month extension on the approved permit of the above well. All information included on the permit remains the same. We understand the extension will be granted for only one six-month period and once that period has elapsed, the permit and fee must be re-filed.

If additional information is required, please feel free to contact me directly at 246-3114, fax number 246-3115, or email linda_young@eogresources.com.

Sincerely,

Linda Bruster Young, CPL
Senior Landman / Regulatory

Approved for 6 Month Extension From	
<u>6-12-18</u>	
<u>5-31-18</u>	

RECEIVED

MAY 29 2018

OKLAHOMA CORPORATION
COMMISSION

50