

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

API NUMBER: 087 22254

Approval Date: 06/20/2019

Expiration Date: 12/20/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 8N Rge: 4W County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 301 1380

Lease Name: CANDI 1411

Well No: 2H

Well will be 301 feet from nearest unit or lease boundary.

Operator EOG RESOURCES INC
Name:

Telephone: 4052463224

OTC/OCC Number: 16231 0

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

BENNY MACK & CHARLOTTE BROOKS
31231 MERIDIAN AVENUE
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9115	6	
2	WOODFORD	9175	7	
3			8	
4			9	
5			10	

Spacing Orders: 684522
681030

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902890
201902891
201902892
201902893

Special Orders:

Total Depth: 19820

Ground Elevation: 1209

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 300

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)

PERMIT NO: 19-36560

H. SEE MEMO

F. Haul to Commercial soil farming facility: Sec. 1 Twn. 15N Rng. 11W Cnty. 11 Order No: 662791

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 11 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1050

Depth of Deviation: 8697

Radius of Turn: 573

Direction: 355

Total Length: 10223

Measured Total Depth: 19820

True Vertical Depth: 9270

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	6/11/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	6/11/2019 - 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: OCCEWEB.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	6/11/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BRIDGE CREEK); PIT 1 - WBM & CUTTINGS TO BE SOIL FARMED; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO HEARTLAND ENVIRONMENTAL RESOURCES (ORDER # 662791) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013)
PENDING CD - 201902890	6/18/2019 - G75 - (I.O.) 11-8N-4W X684522 MSSP, WDFD 3 WELLS NO OP. NAMED REC 6-11-2019 (NORRIS)

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

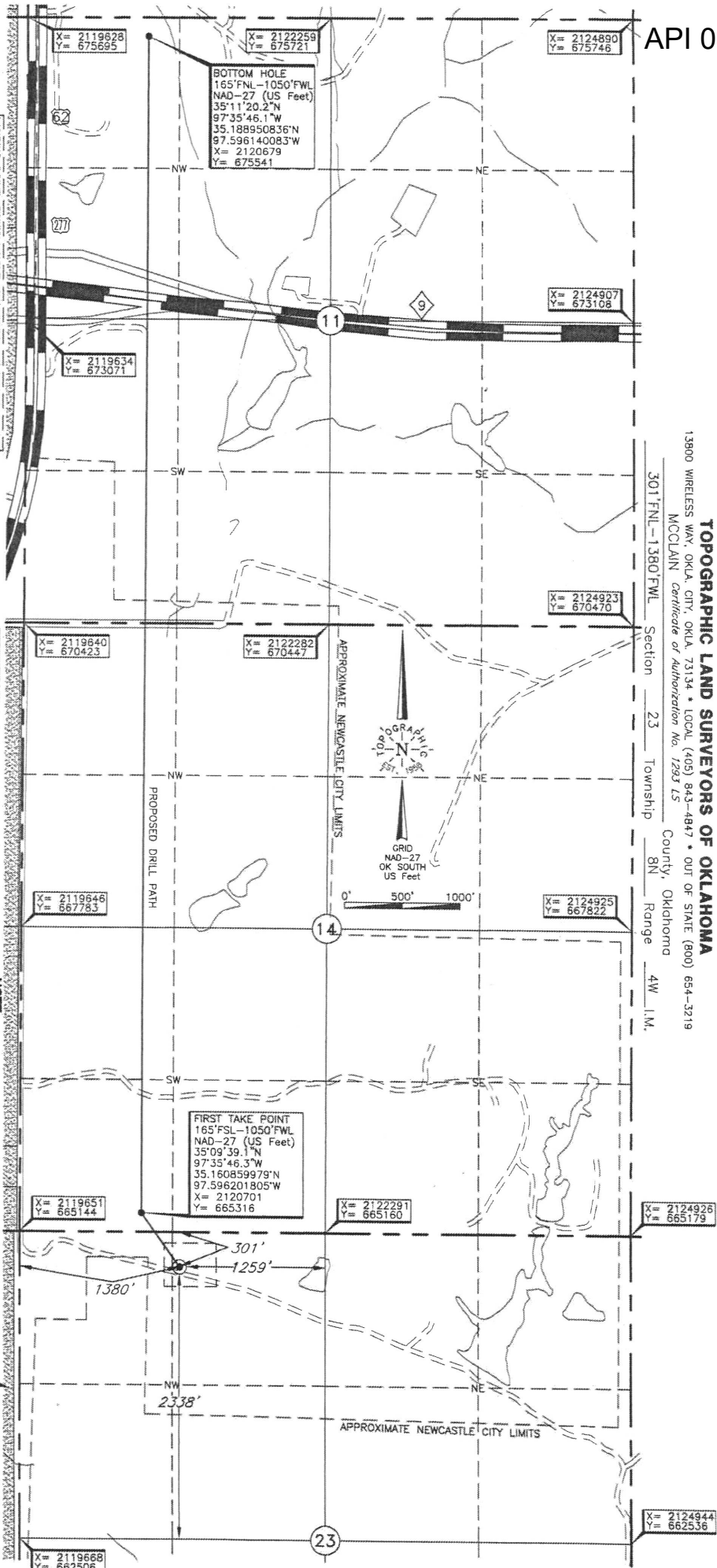
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

087 22254 CANDI 1411 2H

Category	Description
PENDING CD - 201902891	6/18/2019 - G75 - (I.O.) 14-8N-4W X681030 MSSP, WDFD 3 WELLS NO OP. NAMED REC 6-11-2019 (NORRIS)
PENDING CD - 201902892	6/18/2019 - G75 - (I.O.) 14 & 11-8N-4W EST MULTIUNIT HORIZONTAL WELL X681030 MSSP, WDFD 14-8N-4W X684522 MSSP, WDFD 11-8N-4W (BOTH MSSP & WDFD ARE TARGET FORMATIONS DUE TO FAULTING IN THE AREA PER OPERATOR) 50% 14-8N-4W 50% 11-8N-4W NO OP. NAMED REC 6-11-2019 (NORRIS)
PENDING CD - 201902893	6/18/2019 - G75 - (I.O.) 14 & 11-8N-4W X681030 MSSP, WDFD 14-8N-4W X684522 MSSP, WDFD 11-8N-4W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO CANDI 231411 1H & CANDI 1411 3H COMPL. INT. (14-8N-4W) NCT 165' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (11-8N-4W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL NO OP. NAMED REC 6-11-2019 (NORRIS)
SPACING - 681030	6/18/2019 - G75 - (640)(HOR) 14-8N-4W EXT 665488 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 684522	6/18/2019 - G75 - (640)(HOR) 11-8N-4W VAC 577685 WDFD SE4 VAC OTHERS EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 575821 WDFD NE4)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
 13900 WIRELESS WAY, OKLA. CITY, OKLA. 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
 MCCLAIN Certificate of Authorization No. 1293 LS
 County, Oklahoma
 Range 8N
 Township 23
 Section 14
 301' FNL - 1380' FWL



ELEVATION:

1209' Gr. on Level Pod

The information shown herein is for construction purposes ONLY.

NOTE:

Revision ☒ A Date of Drawing: Apr. 11, 2019

Project # 125549 Date Staked: Apr. 10, 2019

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1433



Operator: EOG RESOURCES, INC.
 Lease Name: CANDI 1411
 Well No.: #2H
 Topography & Vegetation Loc. fell on Level Pod, ±99' SW of existing well
 Good Drill Site? Yes
 Reference Stakes or Alternate Location
 Stakes Set None
 Best Accessibility to Location From West off county road
 Distance & Direction From the junction of St. Hwy. 9 and US Hwy. 62 South of Newcastle, OK go ±0.5 mile South on US Hwy. 62 then go ±0.1 East, then ±1.0 mile South on Meridian to the NW Cor. of Sec. 23-18N-R4W.

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy)