

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

API NUMBER: 087 22132

Approval Date: 04/30/2018

Expiration Date: 10/30/2018

Horizontal Hole Oil & Gas

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: 270 1475

Lease Name: CANDI

Well No: 231411 1H

Well will be 270 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

BENNY MACK & CHARLOTTE BROOKS
31231 MERIDIAN AVENUE
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9200	6	
2 WOODFORD	9280	7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803035
201803037
201803038
201803039
201803042

Special Orders:

Total Depth: 18000

Ground Elevation: 1210

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: 18-34371

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 11 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: S2 SW NW SW

Feet From: SOUTH 1/4 Section Line: 1400

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9050

Radius of Turn: 477

Direction: 350

Total Length: 8201

Measured Total Depth: 18000

True Vertical Depth: 9475

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

Notes:

Category

Description

DEEP SURFACE CASING

4/20/2018 - 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

4/20/2018 - 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

4/20/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM & CUTTINGS TO BE SOIL FARMED; PIT 2 - OBM CUTTINGS TO R360 (ORDER # 587498) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 2 - OBM TO VENDOR

Category	Description
PENDING CD - 201803035	4/27/2018 - G75 - (E.O.)(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) EOG RESOURCES, INC. REC 4-30-2018 (P. PORTER)
PENDING CD - 201803037	4/27/2018 - G75 - (E.O.) 23, 14 & 11-8N-4W X201803039 MSSP, WDFD 23-8N-4W X201803038 MSSP, WDFD 14-8N-4W X201803035 MSSP, WDFD 11-8N-4W ** COMPL. INT. (23-8N-4W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (14-8N-4W) NCT 0' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (11-8N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL EOG RESOURCES, INC. REC 4-30-2018 (P. PORTER) ** NOT INCLUDED IN APPLICATION; TO BE CORRECTED AT MERIT HEARING ON 5-7-2018 PER ATTORNEY FOR OPERATOR
PENDING CD - 201803038	4/27/2018 - G75 - (E.O.)(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 EOG RESOURCES, INC. REC 4-30-2018 (P. PORTER)
PENDING CD - 201803039	4/27/2018 - G75 - (E.O.)(640)(HOR) 23-8N-4W VAC OTHERS EXT 665488 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL EOG RESOURCES, INC. REC 4-30-2018 (P. PORTER)
PENDING CD - 201803042	4/27/2018 - G75 - (E.O.) 23, 14 & 11-8N-4W EST MULTIUNIT HORIZONTAL WELL X201803039 MSSP, WDFD 23-8N-4W X201803038 MSSP, WDFD 14-8N-4W X201803035 MSSP, WDFD 11-8N-4W (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 20% 23-8N-4W 60% 14-8N-4W 20% 11-8N-4W EOG RESOURCES, INC. REC 4-30-2018 (P. PORTER)

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

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

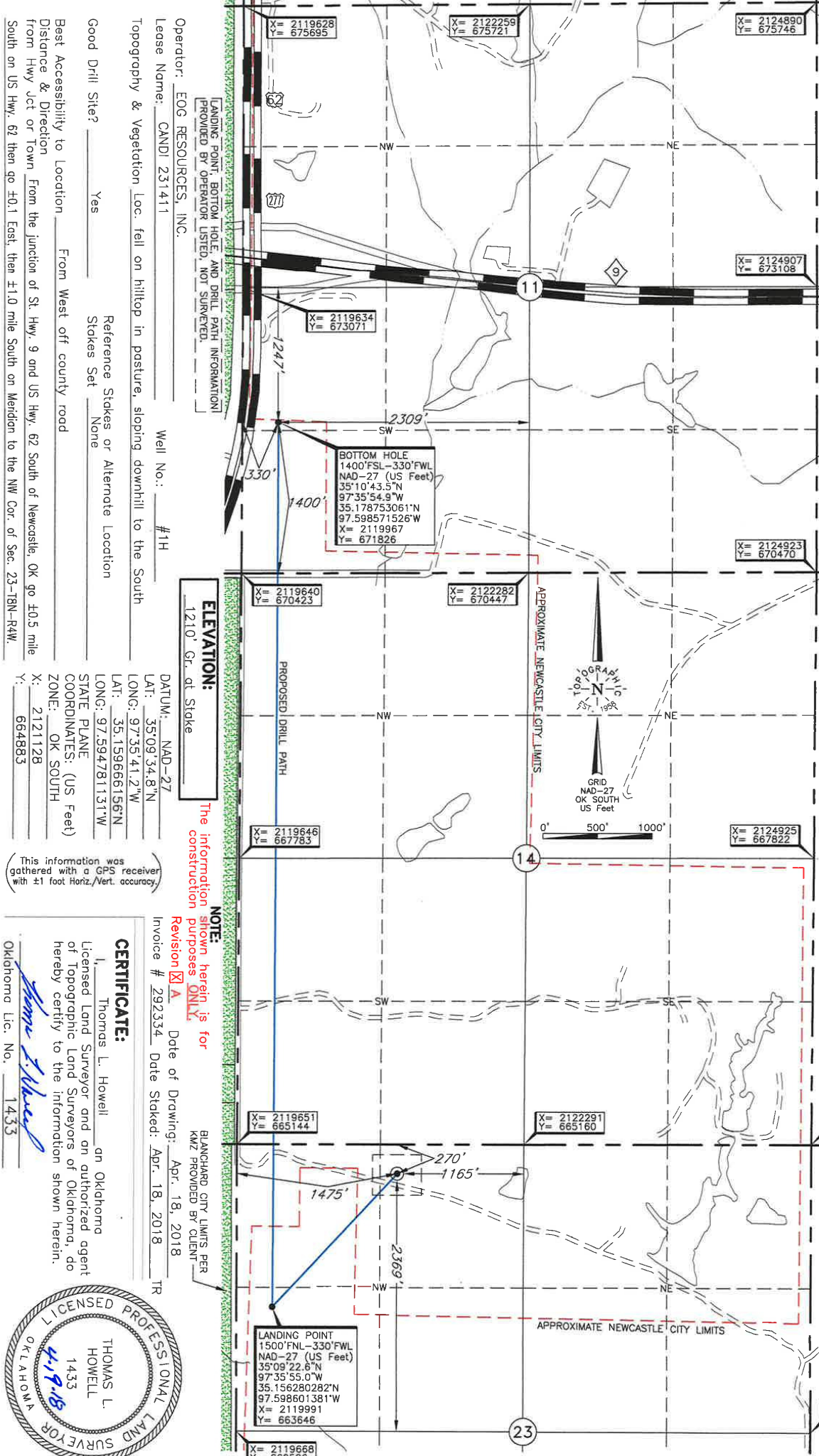
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

MCCLELLAIN Certificate of Authorization No. 1293 LS

County, Oklahoma

Section 23 Township 23 Range 8N

Range 4W I.M.



LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

ELEVATION:
1210' Gr. at Stake

NOTE:
The information shown herein is for construction purposes ONLY.

BLANCHARD CITY LIMITS PER KMZ PROVIDED BY CLIENT

Operator: EOG RESOURCES, INC.
 Lease Name: CANDI 231411
 Well No.: #1H
 Topography & Vegetation Loc. fell on hilltop in pasture, sloping downhill to the South
 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 E0.5 mile from Hwy Jct or Town
 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-4W.

DATUM: NAD-27
 LAT: 35°09'34.8"N
 LONG: 97°35'41.2"W
 LAT: 35.159666156°N
 LONG: 97.594781131°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2121128
 Y: 664883

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

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.
 Date of Drawing: Apr. 18, 2018
 Date Staked: Apr. 18, 2018
 Invoice # 292334
 TR

