

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

API NUMBER: 087 22278

Approval Date: 11/27/2019
Expiration Date: 05/27/2021

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 8N Rge: 4W County: MCCLAIN
SPOT LOCATION: SE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 397 1637

Lease Name: LEFLORE 1015 Well No: 5H Well will be 397 feet from nearest unit or lease boundary.
Operator Name: EOG RESOURCES INC Telephone: 4052463224 OTC/OCC Number: 16231 0

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

COPELAND GRAHAM FARMS LLC ETAL
6601 NORTH HARVEY
OKLAHOMA CITY OK 73116

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9140	6	
2	WOODFORD	9150	7	
3	HUNTON	9310	8	
4			9	
5			10	

Spacing Orders: 207975
627628
616337

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905263
201905264
201905265
201905266

Special Orders:

Total Depth: 19616 Ground Elevation: 1290

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 420

Deep surface casing has been approved

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: 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37086

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

G. Haul to recycling/re-use facility: Sec. 1 Twn. 15N Rng. 11W Cnty. 11 Order No: 698697

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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 15 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: S2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 8916

Radius of Turn: 369

Direction: 190

Total Length: 10120

Measured Total Depth: 19616

True Vertical Depth: 9496

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

Notes:

Category

Description

DEEP SURFACE CASING

11/14/2019 - 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

11/14/2019 - 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

11/14/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM/CUTTINGS WILL BE SOIL FARMED & PIT 2 - CUTTINGS TO BE HAUL TO R360/J SCOTT (587498) IN CANADIAN COUNTY OR HEARTLAND ENV RES (698697) IN BLAINE COUNTY - OBM TO VENDOR

PENDING CD - 201905263

11/27/2019 - GC2 - 10-8N-4W
X627628 WDFD
4 WELLS
NO OP. NAMED
REC. 11-15-2019 (MILLER)

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.

PENDING CD - 201905264 11/27/2019 - GC2 - 15-8N-4W
X616337 WDFD
4 WELLS
NO OP. NAMED
REC. 11-15-2019 (MILLER)

PENDING CD - 201905265 11/27/2019 - GC2 - (I.O.) 10 & 15-8N-4W
EST MULTIUNIT HORIZONTAL WELL
X207975 HNTN 10-8N-4W
X627628 MSSP, WDFD 10-8N-4W
X616337 MSSP, WDFD, HNTN 15-8N-4W
(MSSP, HNTN ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD)
50% 10-8N-4W
50% 15-8N-4W
NO OP. NAMED
REC. 11-15-2019 (MILLER)

PENDING CD - 201905266 11/27/2019 - GC2 - (I.O.) 10 & 15-8N-4W
X207975 HNTN 10-8N-4W
X627628 MSSP, WDFD 10-8N-4W
X616337 MSSP, WDFD, HNTN 15-8N-4W
X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO LEFLORE 1-10, OLIVER 1-15,
LEFLORE 1015 1H, LEFLORE 1015 2H, LEFLORE 1015 3H, LEFLORE 1015 4H, LEFLORE 1015 6H,
LEFLORE 1015 7H, LEFLORE 1015 8H
COMPL. INT. (10-8N-4W) NCT 165' FNL, NCT 0' FSL, NCT 1,320' FWL
COMPL. INT. (15-8N-4W) NCT 0' FNL, NCT 165' FSL, NCT 1,320' FWL
NO OP. NAMED
REC. 11-15-2019 (MILLER)

SPACING - 207975 11/27/2019 - GC2 - (640) 10 & 15-8N-4W
EXT 188079 HNTN, OTHERS (VAC 15-8N-4W BY 272478)

SPACING - 616337 11/27/2019 - GC2 - (640) 15-8N-4W
VAC 272478 HNTN, OTHERS
EXT 601388/207975 MSSP, WDFD, HNTN, OTHERS
EST OTHERS

SPACING - 627628 11/27/2019 - GC2 - (640) 10-8N-4W
VAC OTHER
EXT 616337 MSSP, WDFD, OTHERS

TOPOGRAPHIC LAND SURVEYS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK, 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

McCLAIN

County, Oklahoma

397' FNL-1637' FEL Section 10 Township 8N Range 4W I.M.



SURFACE LOCATION

DATUM: NAD-27
 LAT: 35°11'17.9" N
 LONG: 97°36'18.5" W
 LAT: 35.188314092° N
 LONG: 97.605134882° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 2117992
 Y: 675298
 DATUM: NAD-83
 LAT: 35°11'18.2" N
 LONG: 97°36'19.6" W
 LAT: 35.188379835° N
 LONG: 97.605449795° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 2086396
 Y: 675341

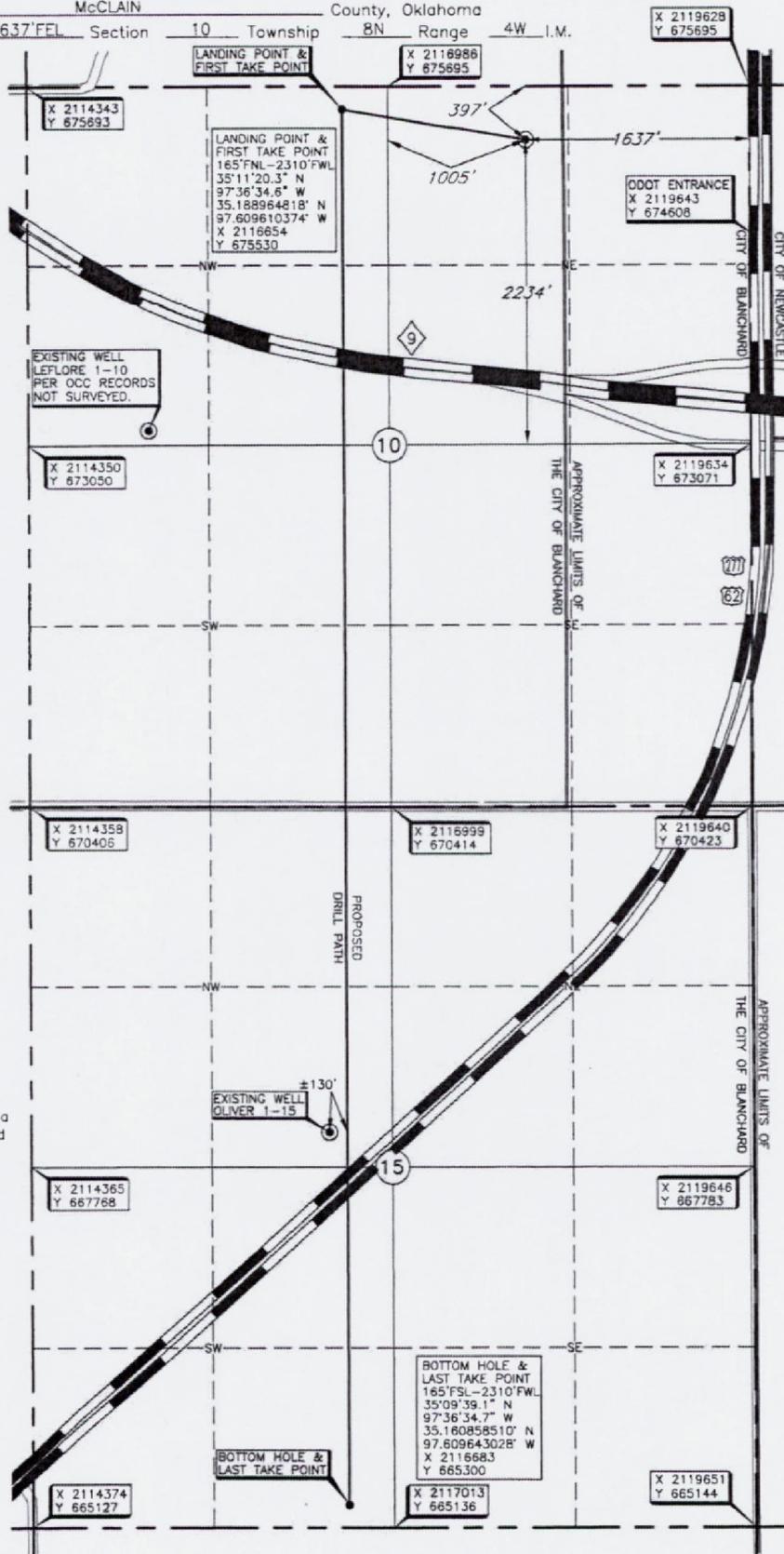
(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy)

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.

Thomas L. Howell

Oklahoma Lic. No. 1433



Revision 1 Date of Drawing: Nov. 6, 2019
 Project # 130529 Date Staked: Nov. 4, 2019 LC

Operator: EOG RESOURCES, INC. Well No.: 5H
 Lease Name: LeFLORE 1015
 Topography & Vegetation Loc. fell on existing pad

ELEVATION:
1290' Gr. at Level Pad

Good Drill Site? Yes Reference Stakes or Alternate Location
 Stakes Set None
 Best Accessibility to Location From East off US Hwy 277
 Distance & Direction from Hwy Jct or Town The junction of US Hwy 277 & St. Hwy 9 is the East Quarter Corner of Section 10, T8N-R4W.