

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

API NUMBER: 087 22281

Approval Date: 12/02/2019

Expiration Date: 06/02/2021

Horizontal Hole
Multi Unit

Oil & Gas

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: 442 1637

Lease Name: LEFLORE 1015

Well No: 8H

Well will be 442 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	9200	6	
2	WOODFORD	9210	7	
3	HUNTON	9370	8	
4			9	
5			10	

Spacing Orders: 207975
627628
616337

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905263
201905264
201905271
201905272

Special Orders:

Total Depth: 19676

Ground Elevation: 1291

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

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: 19-37086

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 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 8976

Radius of Turn: 500

Direction: 180

Total Length: 10120

Measured Total Depth: 19676

True Vertical Depth: 9556

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

12/2/2019 - 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.

087 22281 LEFLORE 1015 8H

PENDING CD - 201905264	12/2/2019 - GC2 - 15-8N-4W X616337 WDFD 4 WELLS NO OP. NAMED REC. 11-15-2019 (MILLER)
PENDING CD - 201905271	12/2/2019 - 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 - 201905272	12/2/2019 - 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 5H, LEFLORE 1015 6H, LEFLORE 1015 7H COMPL. INT. (10-8N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (15-8N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC. 11-15-2019 (MILLER)
SPACING - 207975	12/2/2019 - GC2 - (640) 10 & 15-8N-4W EXT 188079 HNTN, OTHERS (VAC 15-8N-4W BY 272478)
SPACING - 616337	12/2/2019 - GC2 - (640) 15-8N-4W VAC 272478 HNTN, OTHERS EXT 601388/207975 MSSP, WDFD, HNTN, OTHERS EST OTHERS
SPACING - 627628	12/2/2019 - GC2 - (640) 10-8N-4W VAC OTHER EXT 616337 MSSP, WDFD, OTHERS

TOPOGRAPHIC LAND SURVEYORS 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

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



SURFACE LOCATION

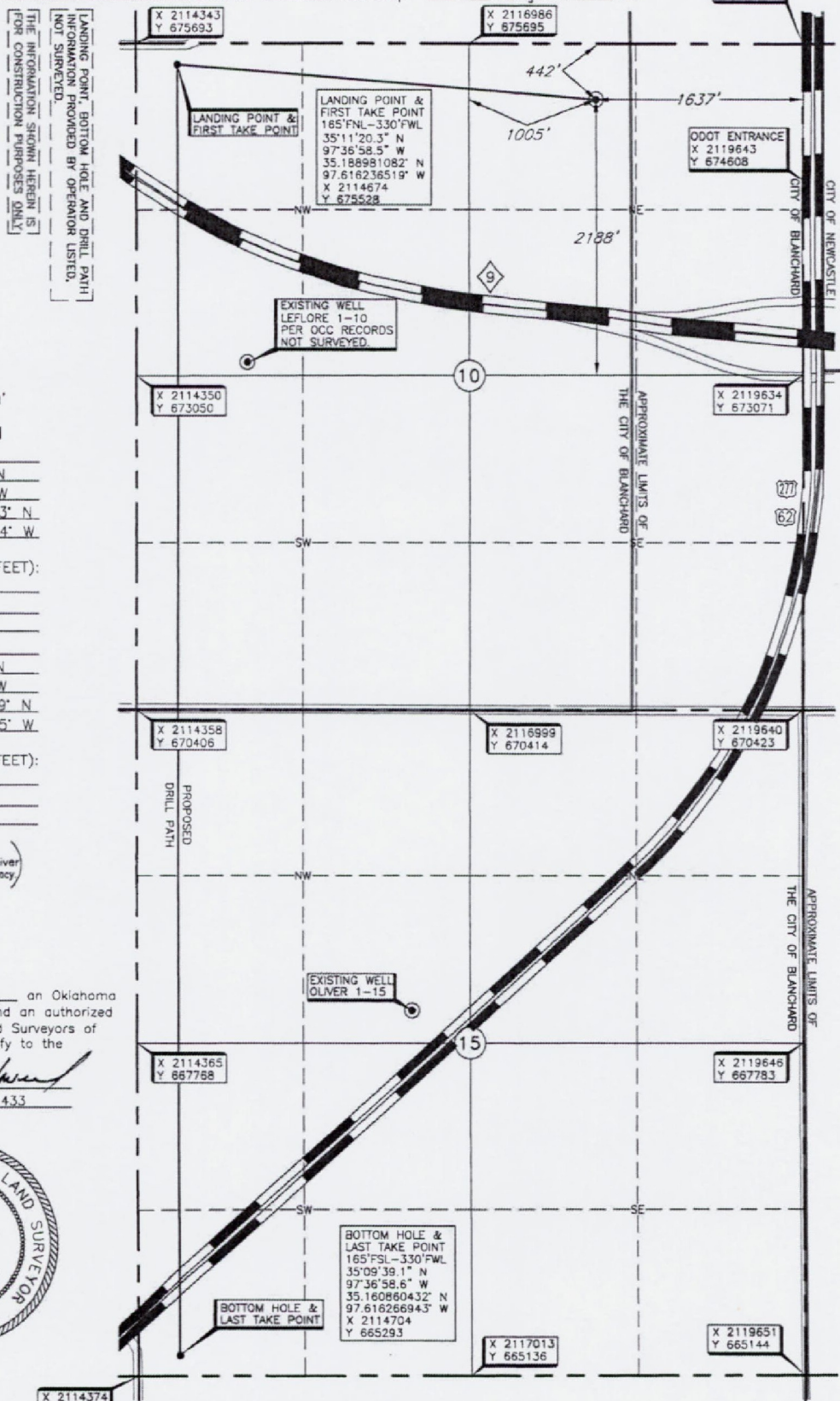
DATUM: NAD-27
LAT: 35°11'17.5" N
LONG: 97°36'18.5" W
LAT: 35.188190343° N
LONG: 97.605135284° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2117992
Y: 675253
DATUM: NAD-83
LAT: 35°11'17.7" N
LONG: 97°36'19.6" W
LAT: 35.188256089° N
LONG: 97.605450195° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2086396
Y: 675296

(This information was gathered with a GPS receiver with ±1 feet 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 # 130529C

Date Staked: Nov. 4, 2019

LC

Operator: EOG RESOURCES, INC.

Lease Name: LeFLORE 1015

Well No.: 8H

Topography & Vegetation Loc. fell on existing pad

ELEVATION:

1291' 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.