

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

API NUMBER: 087 22110

Approval Date: 02/20/2018

Expiration Date: 08/20/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 7N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ SE ☐ NE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 694 1035

Lease Name: COLE FARMS

Well No: 0916 1H

Well will be 694 feet from nearest unit or lease boundary.

Operator Name: EOG RESOURCES INC

Telephone: 4052463212

OTC/OCC Number: 16231 0

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

PRESLIE & JUDY COLE, TRUSTEES
11341 280TH STREET
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9800	6	
2	WOODFORD	10080	7	
3	HUNTON	10250	8	
4			9	
5			10	

Spacing Orders: 673630

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706659
201706661
201706662

Special Orders:

Total Depth: 21357

Ground Elevation: 1216

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

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

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

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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

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 7N 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: 9695

Radius of Turn: 900

Direction: 185

Total Length: 10248

Measured Total Depth: 21357

True Vertical Depth: 10261

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

Notes:

Category

Description

DEEP SURFACE CASING

2/12/2018 - 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

2/12/2018 - 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

2/12/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; WBM, WBM & OBM CUTTINGS TO R360 (ORDER # 587498) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 2 - OBM TO VENDOR

PENDING CD - 201706659

2/20/2018 - G75 - (640)(HOR) 16-7N-4W
EXT 651280 MSSP, WDFD, HNTN
POE TO BHL (MSSP, HNTN) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
(COEXIST SP. ORDER # 346427 HNTN NE4)
REC 1-29-2018 (P. PORTER)

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

087 22110 COLE FARMS 0916 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 - 201706661	2/20/2018 - G75 - (I.O.) 9 & 16-7N-4W EST MULTIUNIT HORIZONTAL WELL X673630 MSSP, WDFD, HNTN 9-7N-4W X201706659 MSSP, WDFD, HNTN 16-7N-4W (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 9-7N-4W 50% 16-7N-4W EOG RESOURCES, INC. REC 1-29-2018 (P. PORTER)
PENDING CD - 201706662	2/20/2018 - G75 - (I.O.) 9 & 16-7N-4W X673630 MSSP, WDFD, HNTN 9-7N-4W X201706659 MSSP, WDFD, HNTN 16-7N-4W COMPL. INT. (9-7N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (16-7N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL EOG RESOURCES, INC. REC 2-6-2018 (MURER)
SPACING - 673630	2/20/2018 - G75 - (640)(HOR) 9-7N-4W EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

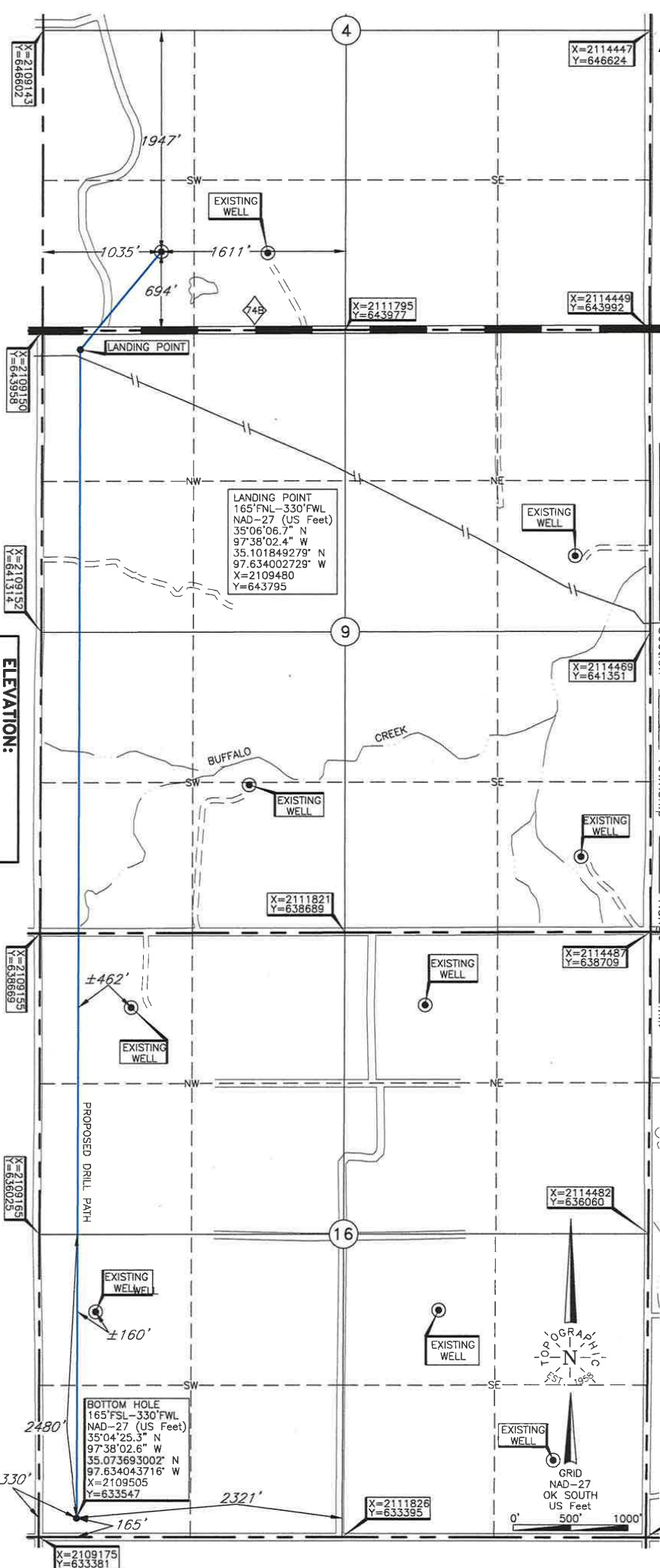
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219

MCCLAIN Certificate of Authorization No. 1293 LS

County, Oklahoma

694' FSL - 1035' FWL Section 4 Township 7N Range 4W 1.M.

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



Operator: EOG RESOURCES, INC.

Lease Name: COLE FARMS 0916 (ALT.)

Well No.: #1H

Topography & Vegetation Loc. fell in terraced pasture with wash

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South of St. Hwy. 74B

Distance & Direction From St. Hwy. 76 and St. Hwy. Hwy. 74B, South of Blanchard, OK,
go ± 1.0 mi. East on St. Hwy. 74B to the SW Cor. of Sec. 4-T7N-R4W

ELEVATION:

1216' Gr. at Stake

DATUM: NAD-27
 LAT: 35°06'15.2" N
 LONG: 97°37'53.9" W
 LAT: 35°10'42.17486" N
 LONG: 97°38'16.41729" W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2110183
 Y: 644660

(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.

Oklahoma Lic. No. 1433



Revision ☒ A Date of Drawing: Jan. 31, 2018
 Invoice # 285573A Date Staked: Dec. 11, 2017 AC