

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

API NUMBER: 087 22152

Approval Date: 06/25/2018

Expiration Date: 12/25/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 9N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ NE ☐ SW ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 525 388

Lease Name: MCMAHON

Well No: 0112 1H

Well will be 388 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

JUANITA GRIFFIN TRUST, PATSY MCMAHAN
1333 SE 32ND STREET
SUCCESSOR TRUSTEE
NEWCASTLE OK 73065

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8980	6	
2	WOODFORD	9080	7	
3	HUNTON	9230	8	
4			9	
5			10	

Spacing Orders: 201804290
201804291

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804292
201804293

Special Orders:

Total Depth: 20008

Ground Elevation: 1254

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 440

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34422

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 12 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: 9092

Radius of Turn: 477

Direction: 180

Total Length: 10167

Measured Total Depth: 20008

True Vertical Depth: 9314

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

Notes:

Category

Description

DEEP SURFACE CASING

6/14/2018 - 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

6/14/2018 - 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

6/14/2018 - 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

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

087 22152 MCMAHON 0112 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 - 201804290	<p>6/22/2018 - G58 - (640)(HOR) 1-8N-4W VAC 477862 MISS** EST MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NCT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL REC 6/18/2018 (MILLER)</p> <p>**SHOULD VACATE CNEY AS WELL; WILL VACATE CNEY CHANGED AT HEARING PER ATTORNEY FOR OP.</p>
PENDING CD - 201804291	<p>6/22/2018 - G58 - (640)(HOR) 12-8N-4W VAC 411928 HNTN VAC 477862 MISS** VAC 178537 HNTN EST MSSP, WDFD, HNT COMPL. INT. (MSSP, HNTN) NCT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL REC 6/18/2018 (MILLER)</p> <p>**SHOULD VACATE CNEY AS WELL; WILL VACATE CNEY CHANGED AT HEARING PER ATTORNEY FOR OP.</p>
PENDING CD - 201804292	<p>6/22/2018 - G58 - (I.O.) 1 & 12-8N-4W EST MULTIUNIT HORIZONTAL WELL X201804290 MSSP, WDFD, HNTN 1-8N-4W X201804291 MSSP, WDFD, HNTN 12-8N-4W (MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 1-8N-4W 50% 12-8N-4W NO OP. NAMED REC 6/18/2018 (MILLER)</p>
PENDING CD - 201804293	<p>6/22/2018 - G58 - (I.O.) 1 & 12-8N-4W X201804290 MSSP, WDFD, HNTN 1-8N-4W X201804291 MSSP, WDFD, HNTN 12-8N-4W COMPL. INT. (1-8N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (12-8N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 6/18/2018 (MILLER)</p>

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

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

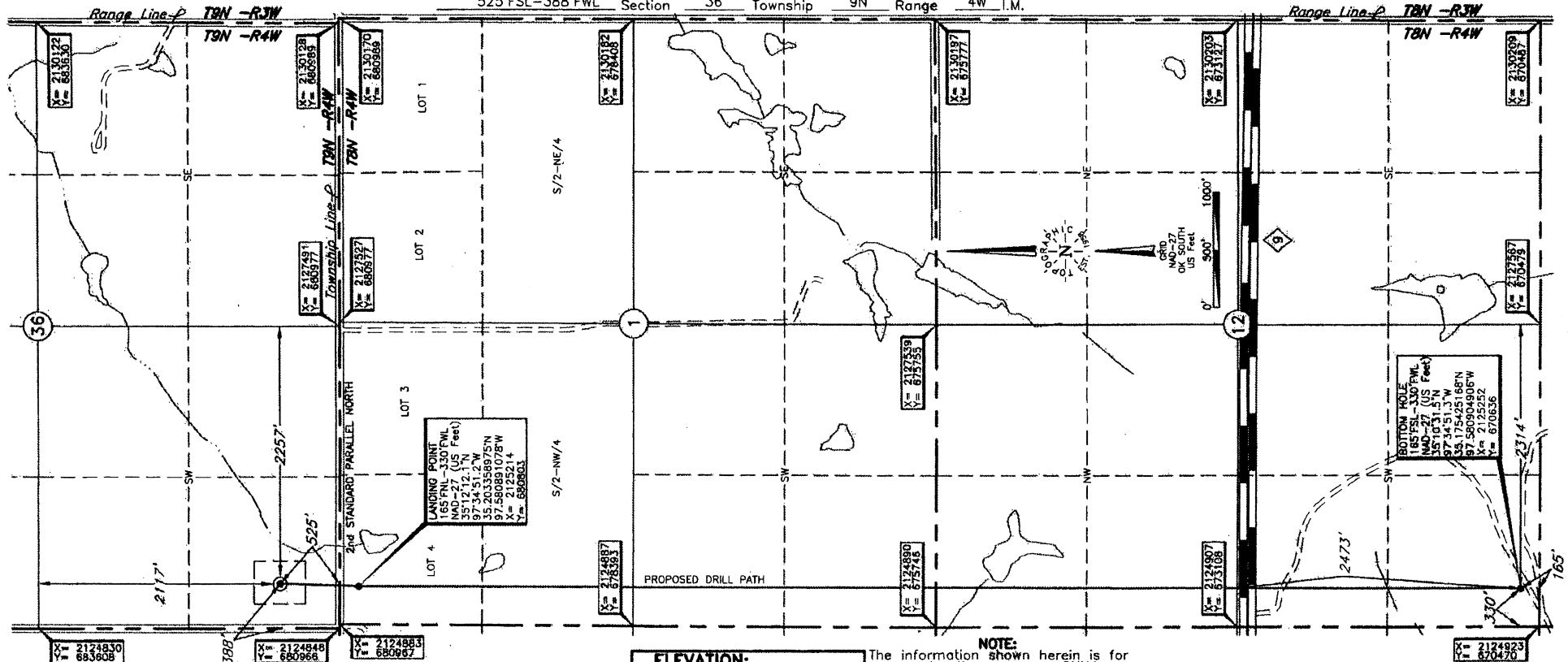
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219

MCCLAIN Certificate of Authorization No. 1293 LS

County, Oklahoma

087-22152

525' FSL - 388' FWL Section 36 Township 9N Range 4W I.M.



ELEVATION:
1254' Gr. at Level Pad

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

Operator: EOG RESOURCES, INC.

Lease Name: MCMAHAN 0112

Well No.: 1H EAST

Topography & Vegetation Loc. fell on level pad.

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 ±1.5 miles North on US Hwy. 62, then go ±1 mile East to the SW Cor. of Sec. 36-9N-4W.

DATUM: NAD-27
LAT: 35°12'18.9"N
LONG: 97°34'51.0"W
LAT: 35.205252331°N
LONG: 97.580821075°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2125232
Y: 681493

This information was
gathered with a GPS receiver
with ±1 foot horizontal accuracy

Revision ☒ A Date of Drawing: May 16, 2018

Invoice # 294017 Date Staked: May 15, 2018 TR

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

