

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

API NUMBER: 087 22134

Approval Date: 05/10/2018
Expiration Date: 11/10/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 9N Rge: 4W

County: MCCLAIN

SPOT LOCATION: SE SW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1127 344

Lease Name: DUFORT

Well No: 0631 1H

Well will be 344 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

DOUGLAS DUFORT AND NORMAN DUFORT
1105 WEST WALNUT AVENUE
DUNCAN OK 73533

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9575	6	
2 WOODFORD	9680	7	
3 HUNTON	9800	8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803083
201803084
201803087
201803089

Special Orders:

Total Depth: 19527

Ground Elevation: 1299

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 580

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: 18-34412

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 06 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: 9204

Radius of Turn: 956

Direction: 180

Total Length: 8821

Measured Total Depth: 19527

True Vertical Depth: 9800

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

Notes:

Category

Description

DEEP SURFACE CASING

5/3/2018 - 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

5/3/2018 - 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

5/3/2018 - 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), OBM TO VENDOR

PENDING CD - 201803083

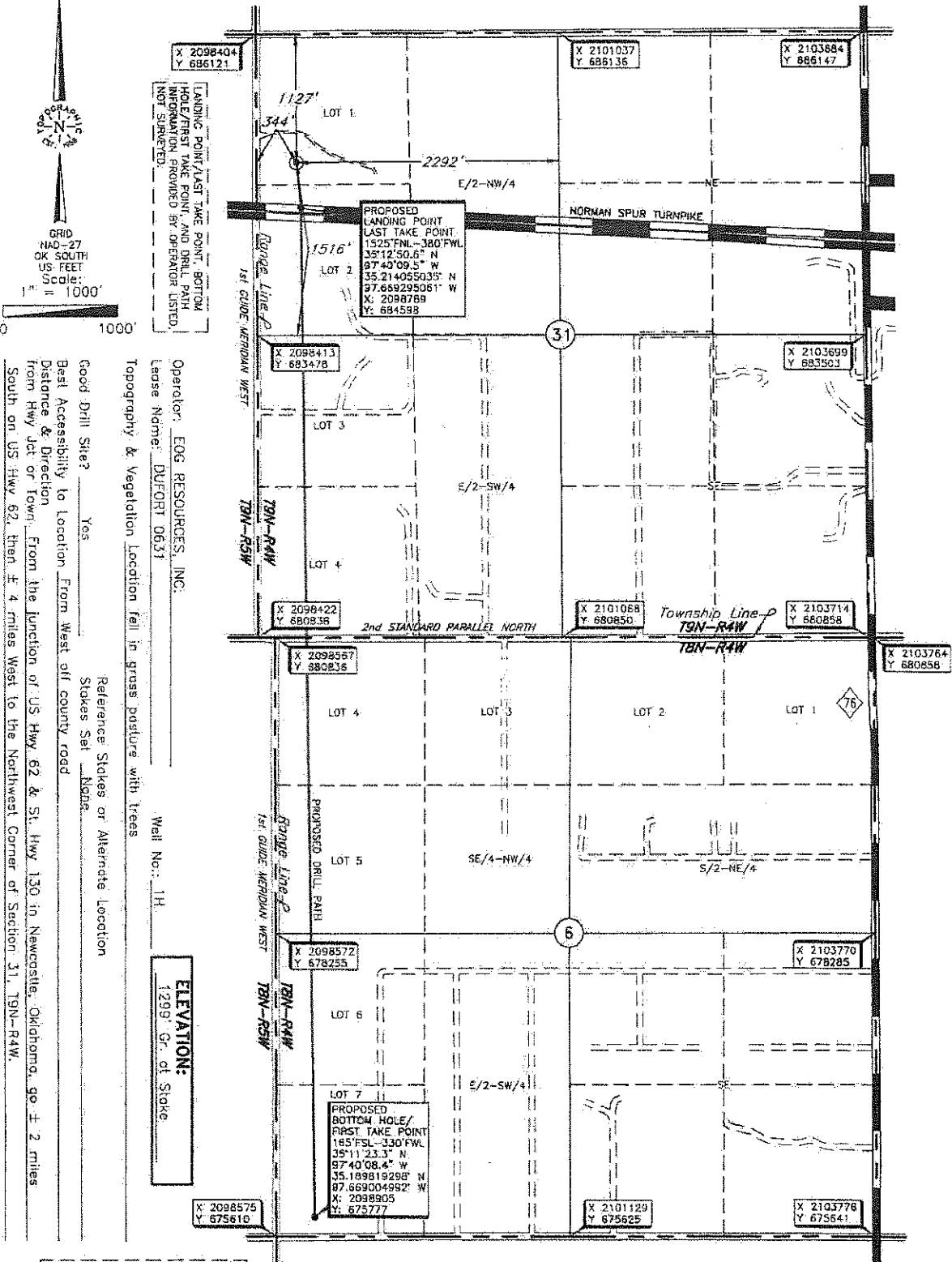
5/7/2018 - G58 - (640)(HOR) 6-8N-4W
VAC 143514/175579 HNTN
EXT 666740 MSSP, WDFD, HNTN
COMPL. INT. (MSSP, HNTN) NCT 660' FB
COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 5/7/2018 (NORRIS)

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.

Category	Description
PENDING CD - 201803084	5/7/2018 - G58 - (640)(HOR) 31-9N-4W VAC 143514 HNTN EST MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 5/7/2018 (NORRIS)
PENDING CD - 201803087	5/7/2018 - G58 - (I.O.) 6-8N-4W & 31-9N-4W EST MULTIUNIT HORIZONTAL WELL X201803083 MSSP, WDFD, HNTN (6-8N-4W) X201803084 MSSP, WDFD, HNTN (31-9N-4W) (MSSP & HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 6-8N-4W 50% 31-9N-4W NO OP. NAMED REC 5/7/2018 (NORRIS)
PENDING CD - 201803089	5/7/2018 - G58 - (I.O.) 6-8N-4W & 31-9N-4W X201803083 MSSP, WDFD, HNTN (6-8N-4W) X201803084 MSSP, WDFD, HNTN (31-9N-4W) COMPL. INT. (6-8N-4W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (31-9N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 5/7/2018 (NORRIS)

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Office of the Conservation Division as to when Surface Casing will be run.

McCLAIN County, Oklahoma
 1127' E/1-344' FWL Section 31 Township 9N Range 4W I.M.



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

DATUM: NAD-27
 LAT: 35°12'54.5" N
 LONG: 97°40'09.9" W
 LAT: 35°21'54.7902" N
 LONG: 97°66'24.14501" W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 2098752
 Y: 684996

Invoice # 293495 Date of Drawing: May 1, 2018
 Date Staked: Apr. 23, 2018 NB

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

