

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

API NUMBER: 051 24590 A

Approval Date: 03/11/2019
Expiration Date: 09/11/2020

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION & GROUND
ELEVATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 8N Rge: 5W

County: GRADY

SPOT LOCATION: SE NE NW NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 456 1458

Lease Name: MUSTANG 03

Well No: 1H

Well will be 456 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

MARY DONNA LYONS
998 FOUNTAIN RUN
NAPLES FL 34119

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10110	6	
2	WOODFORD	10310	7	
3	HUNTON	10430	8	
4			9	
5			10	

Spacing Orders: 694319

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900960

Special Orders:

Total Depth: 15288

Ground Elevation: 1321

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 240

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-36015

H. SEE MEMO

G. Haul to recycling/re-use facility: Sec. 1 Twn. 15N Rng. 11W Cnty. 11 Order No: 662791

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 03 Twp 8N Rge 5W County GRADY

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 9608

Radius of Turn: 382

Direction: 10

Total Length: 5080

Measured Total Depth: 15288

True Vertical Depth: 10430

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

Notes:

Category

Description

DEEP SURFACE CASING

3/5/2019 - 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

3/5/2019 - 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

3/5/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM & CUTTINGS TO BE SOIL-FARMED; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO HEARTLAND ENVIRONMENTAL RESOURCES (ORDER # 662791) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013)

PENDING CD - 201900960

4/12/2019 - G75 - (I.O.) 3-8N-5W
X694319 MSSP, WDFD, HNTN
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
NO OP. NAMED
REC 3-4-2019 (MINMIER)

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

SPACING - 694319

4/12/2019 - G75 - (640)(HOR) 3-8N-5W
VAC 163211/163907 MSSP, HNTN
EXT 675254 MSSP, WDFD, HNTN
POE TO BHL (MSSP, HNTN) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

API 051-24590 A

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

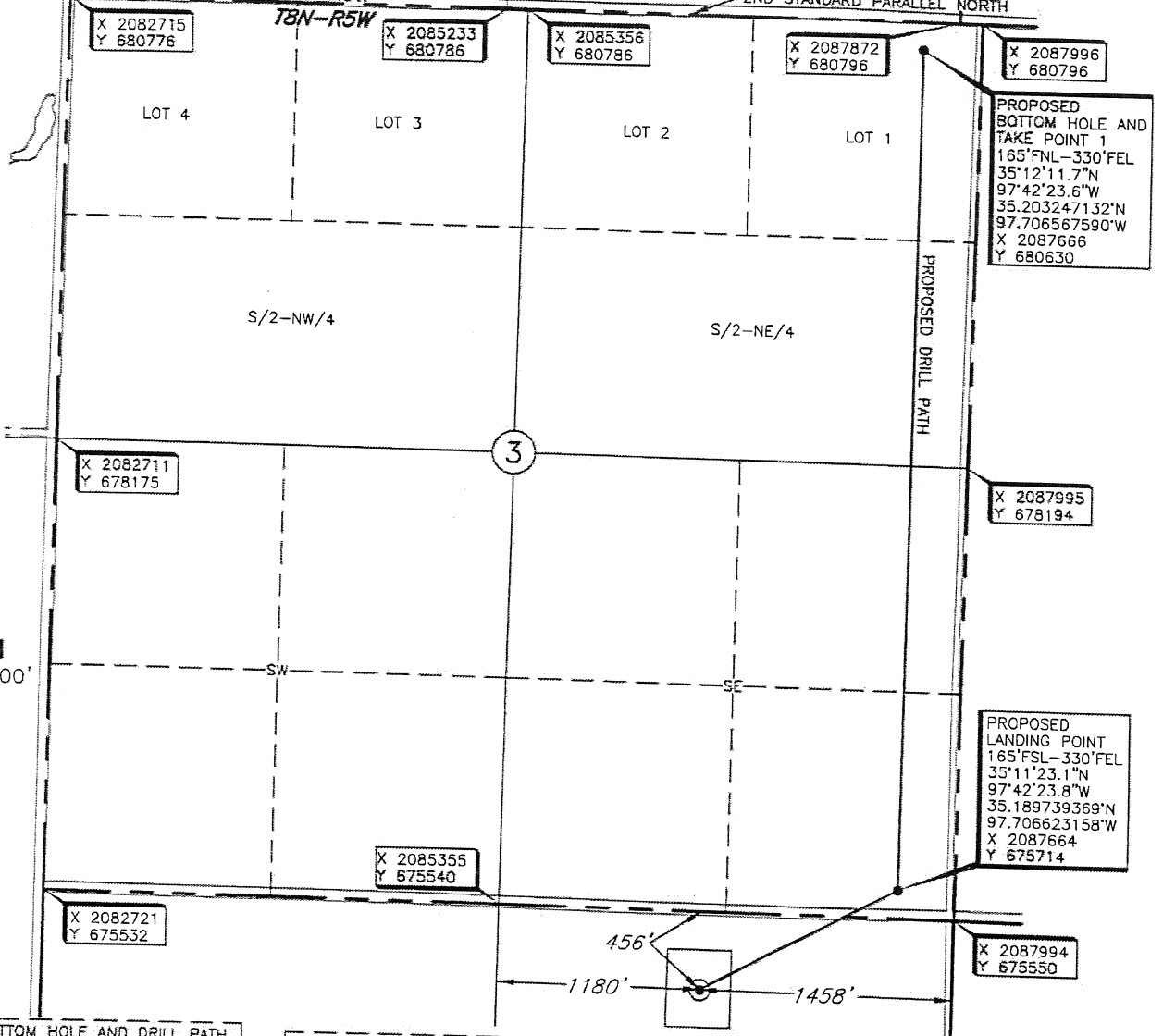
GRADY

County, Oklahoma

456' FNL-1458' FEL Section 10 Township 8N Range 5W I.M.

Township Line ~~P~~ T9N-R5W

2ND STANDARD PARALLEL NORTH



PROPOSED BOTTOM HOLE AND TAKE POINT 1
 165' FNL-330' FEL
 35°12'11.7"N
 97°42'23.6"W
 35.203247132°N
 97.706567590°W
 X 2087666
 Y 680630

PROPOSED LANDING POINT
 165' FSL-330' FEL
 35°11'23.1"N
 97°42'23.8"W
 35.189739369°N
 97.706623158°W
 X 2087664
 Y 675714

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

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

Operator: EOG RESOURCES, INC.

Lease Name: MUSTANG 03

Well No.: #1H

ELEVATION:
1321' Gr at Pad

Topography & Vegetation Location fell on pad under construction.

Good Drill Site? Yes

Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From North off county road.

Distance & Direction from Hwy Jct or Town From junction of St. Hwy 76 and St. Hwy 37 West of Tri City, Oklahoma, go South ±7 miles on St. Hwy 76, then go West ±4 miles to the Northeast corner of Section 10, T8N-R5W.

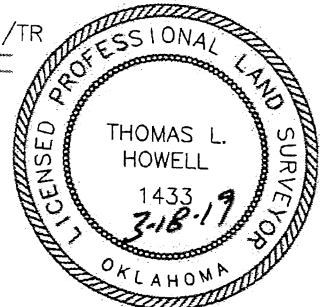
DATUM: NAD-27
 LAT: 35°11'16.9" N
 LONG: 97°42'37.5" W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2086535
 Y: 675089

Revision A Date of Drawing: Mar. 18, 2019
 Project # 123808 Date Staked: Mar. 18, 2019 KH/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 Reg. No. 1433



This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy