

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

API NUMBER: 045 23703

Approval Date: 11/17/2017

Expiration Date: 05/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 17N Rge: 24W County: ELLIS
SPOT LOCATION: ☐ NW ☐ SE ☐ SE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2135 2104

Lease Name: TEDDY Well No: 013625 7H Well will be 2104 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

KENNETH K KNOWLES REVOCABLE TRUST
179228 EAST COUNTY ROAD 63
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 MARMATON	9650	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 579335
616856

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706955
201706960
201706956
201706959
201706958
201706957

Special Orders:

Total Depth: 21700 Ground Elevation: 2442 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 730

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: 100000 Average: 5000

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: OGALLALA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33390

E. Haul to Commercial pit facility: Sec. 21 Twn. 14N Rng. 21W Cnty. 129 Order No: 376462

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: OGALLALA

HORIZONTAL HOLE 1

Sec 25 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2104

Depth of Deviation: 8965

Radius of Turn: 369

Direction: 360

Total Length: 12155

Measured Total Depth: 21700

True Vertical Depth: 9650

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

11/7/2017 - 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

11/7/2017 - 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

11/15/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM CUTTINGS TO BE SOIL FARMED, PIT 2 - OBM CUTTINGS TO HAULED TO COMM PITS, OBM TO VENDOR

PENDING CD - 201706955

11/16/2017 - G60 - (640)(HOR) 25-18N-24W
VAC 167865 OSWG
EXT 616856 MRMN
COMPL. INT. NLT 660' FB
REC. 11/6/17 (MINMIER)

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

045 23703 TEDDY 013625 7H

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

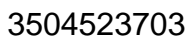
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201706956	11/16/2017 - G60 - 1-17N-24W X579335 MRMN 1 WELL NO OP. NAMED REC. 11/6/17 (MINMIER)
PENDING CD - 201706957	11/16/2017 - G60 - 36-18N-24W X616856 MRMN 1 WELL NO OP. NAMED REC. 11/6/17 (MINMIER)
PENDING CD - 201706958	11/16/2017 - G60 - (I.O.) 1-17N-24W & 36 & 25-18N-24W EST MULTIUNIT HORIZONTAL WELL X579335 (1-17N-24W) MRMN X616856 (36-18N-24W) MRMN X201706955 (25-18N-24W) MRMN 13% 1-17N-24W 44% 36-18N-24W 43% 25-18N-24W NO OP. NAMED REC. 11/6/17 (MINMIER)
PENDING CD - 201706959	11/16/2017 - G60 - (I.O.) 1-17N-24W & 36 & 25-18N-24W X579335 (1-17N-24W) MRMN X616856 (36-18N-24W) MRMN X201706955 (25-18N-24W) MRMN SHL NCT 2135' FNL, NCT 2104' FWL COMPL. INT. (1-17N-24W) NCT 1570' FNL, NCT 0' FNL, NCT 2104' FWL COMPL. INT. (36-18N-24W) NCT 0' FSL, NCT 0' FNL, NCT 2104' FWL COMPL. INT. (25-18N-24W) NCT 0' FSL, NCT 165' FNL, NCT 2104' FWL NO OP. NAMED REC. 11/6/17 (MINMIER)
PENDING CD - 201706960	11/16/2017 - G60 - 1-17N-24W X165:10-3-28(C)(2)(B) MRMN MAY BE CLOSER THAN 600' TO TEDDY 1-5H EOG RESOURCES, INC. REC. 11/6/17 (MINMIER)
SPACING - 579335	11/16/2017 - G60 - (640) 1-17N-24W EST MRMN COMPL. INT. NLT 660' FN (COEXIST WITH NON-PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS)
SPACING - 616856	11/16/2017 - G60 - (640)(HOR) 36-18N-24W EXT 579707 MRMN, OTHER EST OTHER COMPL. INT. NLT 660' FB (COEXIST WITH NON-PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS)

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
ELLIS *Certificate of Authorization No. 1293 L5*

 County, Oklahoma

2135 FNL-2104 FWL
Section 1 Township 17N Range 24W I.M.



Operator: EOG RESOURCES, INC.

Lease Name: TEDDY

Topography & Vegetation Loc. fell in rolling brushy pasture

Good Drill Site? Yes

Reference Stokes or Alternate Location
Stokes Set None

Best Accessibility to Location From West on lease road.

From the junction of St. Hwy. 51 E-W and US Hwy. 283 go South on

US Hwy. 283 for ± 10.5 miles, then East on lease road ± 2 miles to the NW Cor. of Sec. 1-T17N-R24W.

DATUM: NAD-27

LAT: 35°58'41.1"N

LONG: 99°42'45.6"W

LONG. 22 12 10.0 "
LAT. 35.978085786°N

LAT: 35.9/8085/86 N

LONG: 99.712654209°W

STATE PLANE

STATE PLANE
COORDINATES: (US Feet)

COORDINATES: (US Fee
ZONE: OR NORTH

ZONE: OK NORTH

X: 1493276

X. 1700210
Y. 360501

Y: 360501



10

(This information was gathered with a GPS receiver with ± 1 foot Horiz./Vert. accuracy.)

Revision ☒ A Date of Drawing: Oct. 11, 2017
Invoice # 282274 Date Staked: Oct. 9, 2017

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.

Oklahoma Lic. No. 1433

