

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

API NUMBER: 045 23752

Approval Date: 07/16/2018

Expiration Date: 01/16/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 18N Rge: 24W

County: ELLIS

SPOT LOCATION: ☐ SW ☐ NE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 743 380

Lease Name: HOLLOWAY

Well No: 22 5H

Well will be 380 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

JUDY ANN JOHNSON, PERSONAL REPRESENTATIVE
P.O. BOX 511
ARNETT OK 73832

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

	Name	Depth	Name	Depth
1	MARMATON	9275	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 594643

Location Exception Orders: 675655

Increased Density Orders: 675376

Pending CD Numbers:

Special Orders:

Total Depth: 14922

Ground Elevation: 2413

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 820

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: 18-33890

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: OGALLALA

HORIZONTAL HOLE 1

Sec 22 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 9014

Radius of Turn: 573

Direction: 179

Total Length: 5008

Measured Total Depth: 14922

True Vertical Depth: 9412

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

Notes:

Category

Description

DEEP SURFACE CASING

6/19/2018 - 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

6/19/2018 - 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

INCREASED DENSITY - 675376

7/16/2018 - G75 - 22-18N-24W
X594643 MRMN
3 WELLS
EOG RESOURCES, INC.
3-28-2018

LOCATION EXCEPTION - 675655

7/16/2018 - G75 - (I.O.) 22-18N-24W
X594643 MRMN
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
EOG RESOURCES, INC.
4-2-2018

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

045 23752 HOLLOWAY 22 5H

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

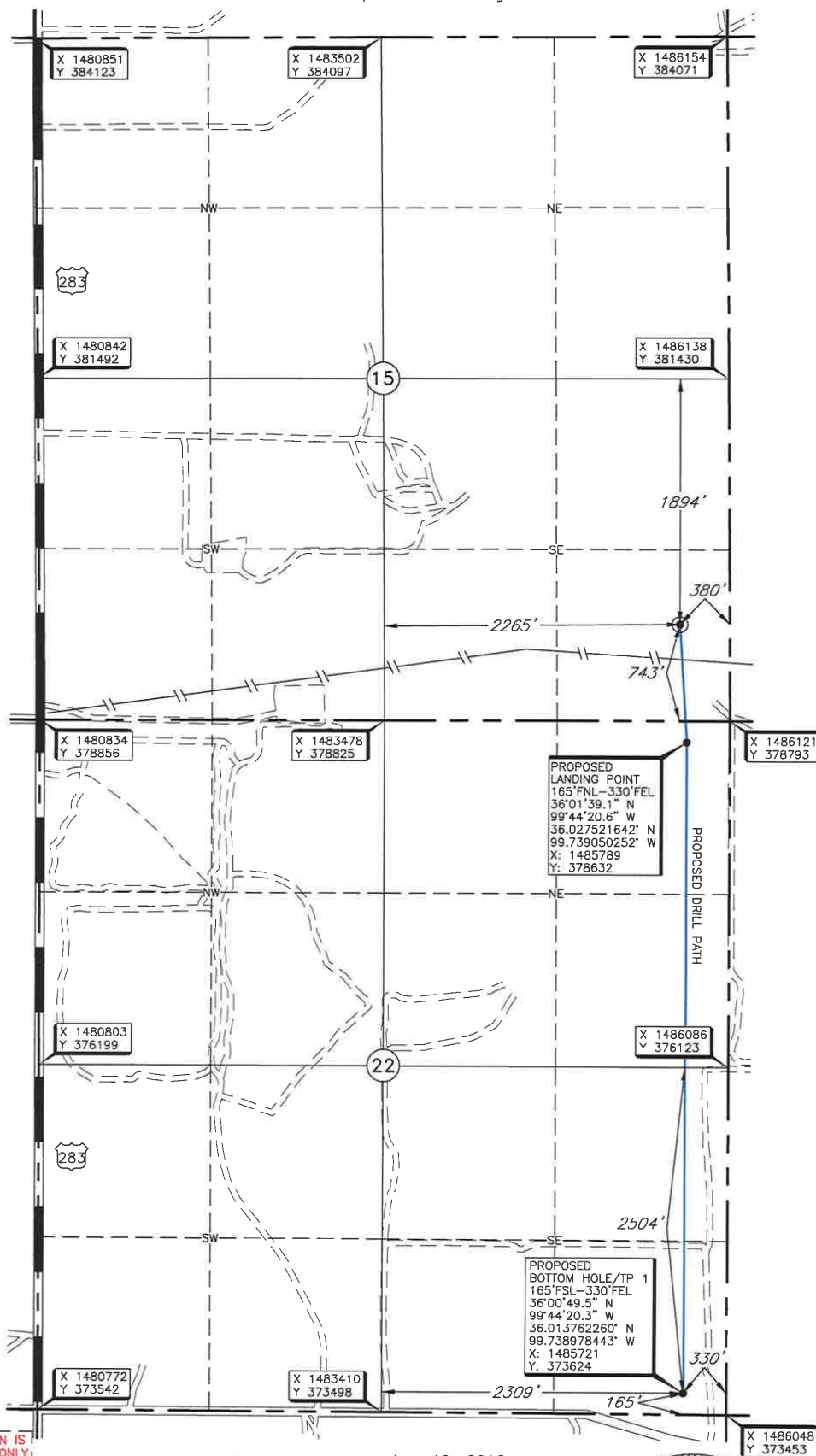
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
MEMO	6/19/2018 - 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 R360 (ORDER # 587498) OR LONE MOUNTAIN FACILITY, EPA ID # OKD065438376, 28 & 33-23N-15W, MAJOR CO.
SPACING - 594643	7/16/2018 - G75 - (640)(HOR) 22-18N-24W EST MRMN, OTHERS POE TO BHL NCT 660' FB (COEXIST PRODUCING NON-HORIZONTAL SPACING UNITS, SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

ELLIS County, Oklahoma
743' FSL-380' FEL Section 15 Township 18N Range 24W I.M.



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



Operator: EOG RESOURCES, INC.
Lease Name: HOLLOWAY 22
Topography & Vegetation Loc. fell in sandy pasture, ±266' North of pipeline.
Well No.: 5H
ELEVATION: 2413' Gr. at Stake
Good Drill Site? Yes
Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From West off US Hwy. 283
Distance & Direction From the junction of US Hwy 283 & US Hwy 60, East of Arnett, Oklahoma, go ± 7.4 miles South on US Hwy 283 to the Southwest Corner of Section 15, T18N-R24W.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

DATUM: NAD-27
LAT: 36°01'48.1" N
LONG: 99°44'21.3" W
LAT: 36.030015886° N
LONG: 99.739250592° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1485746
Y: 379541

Date of Drawing: Apr. 19, 2018
Invoice # 292021 Date Staked: Apr. 16, 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

