

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

API NUMBER: 045 23780

Approval Date: 01/24/2019

Expiration Date: 07/24/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 18N Rge: 25W

County: ELLIS

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 380 1470

Lease Name: WALCK, H.I. 13

Well No: 5H

Well will be 380 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

P. DERYL PARKER
177145 E. COUNTY RD. 68
ARNETT OK 73832

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

	Name	Depth	Name	Depth
1	MARMATON	9250	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 671376

Location Exception Orders:

Increased Density Orders: 688859

Pending CD Numbers: 201808219

Special Orders:

Total Depth: 14800

Ground Elevation: 2175

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: 100000 Average: 5000

E. Haul to Commercial pit facility: Sec. 34 Twn. 14N Rng. 24W Cnty. 129 Order No: 563353

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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: CLOUD CHIEF

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: CLOUD CHIEF

HORIZONTAL HOLE 1

Sec 13 Twp 18N Rge 25W County ELLIS

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 700

Depth of Deviation: 8708

Radius of Turn: 715

Direction: 350

Total Length: 4968

Measured Total Depth: 14800

True Vertical Depth: 9250

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

Notes:

Category

Description

DEEP SURFACE CASING

11/18/2018 - 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

11/18/2018 - 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 - 688859

1/24/2019 - G58 - 13-18N-25W
X617376 MRMN
1 WELL
EOG RESOURCES, INC.
12/26/2018

MEMO

11/18/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

045 23780 WALCK, H.I. 13 5H

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

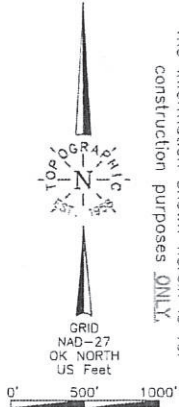
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201808219	1/24/2019 - G58 - (I.O.) 13-18N-25W X617376 MRMN COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 700' FWL NO OP. NAMED REC 11/5/2018 (MILLER)
SPACING - 617376	1/24/2019 - G58 - (640)(HOR) 13-18N-25W EXT 586080 MRMN, OTHERS POE TO BHL NCT 660' FB (SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

ELLIS

County, Oklahoma

380' FNL - 1470' FNL Section 24 Township 18N Range 25W I.M.



The information shown herein is for construction purposes ONLY.

NOTE:

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

Operator: EOG RESOURCES, INC.

Lease Name: WALCK, H.I. 13

Well No.: #5H

Topography & Vegetation Loc. fell in sloped grass pasture

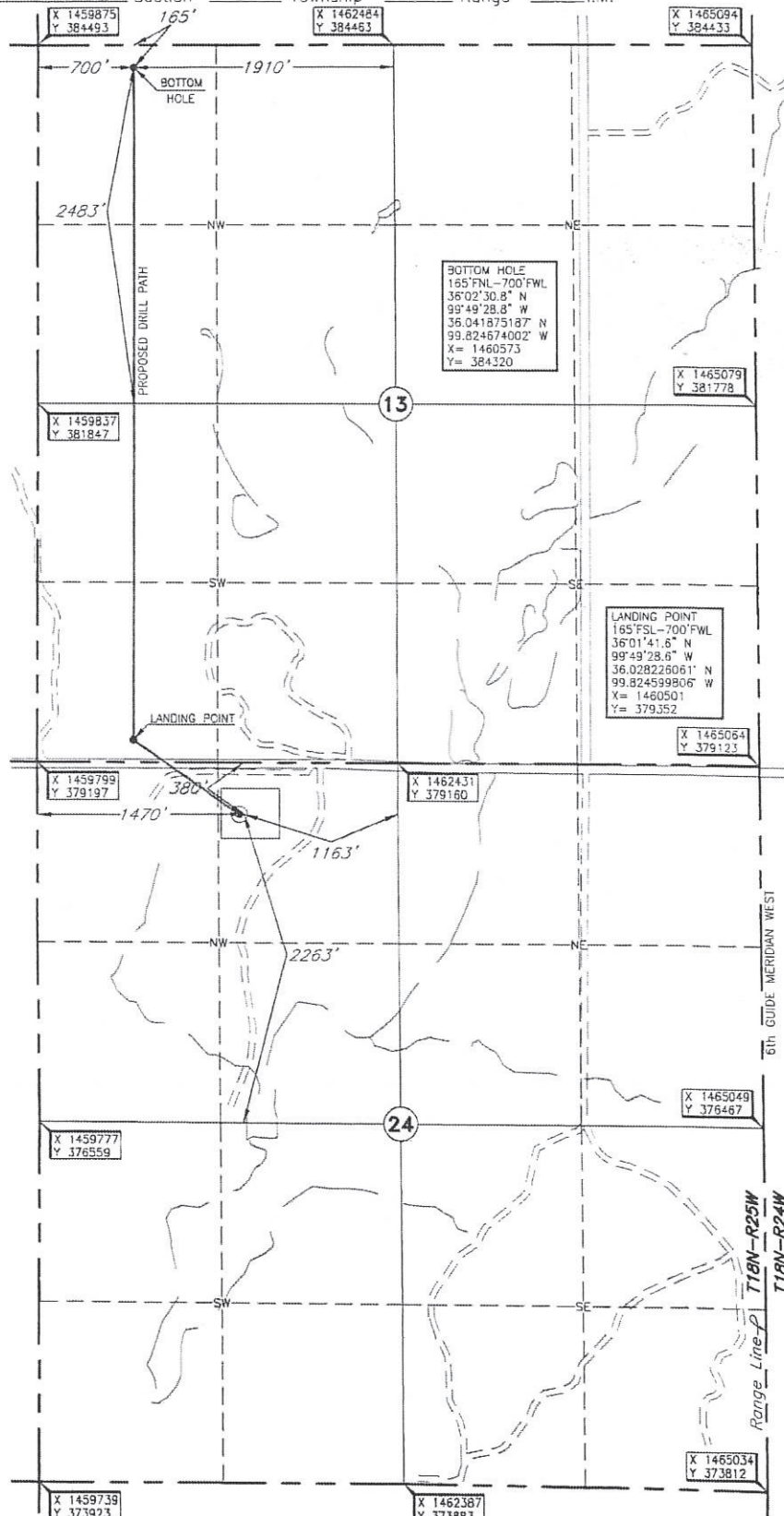
Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road
Distance & Direction
From Hwy 41 or Town From Annett, Oklahoma, go ±1.0 mile East, then ±7.5 miles South, then ±4.0 miles
West to the Northwest Corner of Section 24-18N-25W.

ELEVATION:

2175' Gr. at Stake

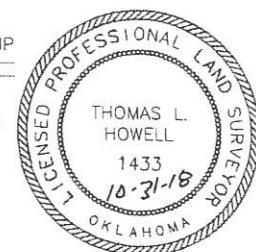


Revision ☒ A Date of Drawing: Oct. 31, 2018
Invoice # 3053278 Date Staked: Oct. 22, 2018 JP

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



DATUM: NAD-27
LAT: 36°01'36.3" N
LONG: 99°49'19.1" W
LAT: 36.026738636° N
LONG: 99.821979674° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1461266
Y: 378797