

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

API NUMBER: 045 23711 A

Approval Date: 12/13/2017  
Expiration Date: 06/13/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE AND BOTTOM HOLE  
LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 17N Rge: 24W

County: ELLIS

SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 635 1460

Lease Name: ROBERTA

Well No: 35 4H

Well will be 635 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

K.KNOWLES & C. KNOWLES REV TRST  
179228 EAST COUNTY ROAD 63  
ARNETT OK 73832

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

	Name	Depth	Name	Depth
1	MARMATON	9750	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 610233

Location Exception Orders: 665721

Increased Density Orders: 665303

Pending CD Numbers:

Special Orders:

Total Depth: 15116

Ground Elevation: 2418

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 710

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: 17-33395

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 35 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: NE NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 8983

Radius of Turn: 500

Direction: 360

Total Length: 5553

Measured Total Depth: 15116

True Vertical Depth: 9900

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

11/13/2017 - 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

11/13/2017 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 665303

12/8/2017 - G58 - 35-18N-24W  
X610233 MRMN  
2 WELLS  
EOG RESOURCES, INC.  
6/26/2017

LOCATION EXCEPTION - 665721

12/8/2017 - G58 - (I.O.) 35-18N-24W  
X610233 MRMN  
COMPL. INT NCT 165' FSL, NCT 165' FNL, NCT 330' FEL  
EOG RESOURCES, INC.  
4/7/2017

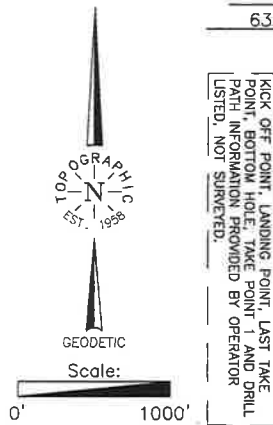
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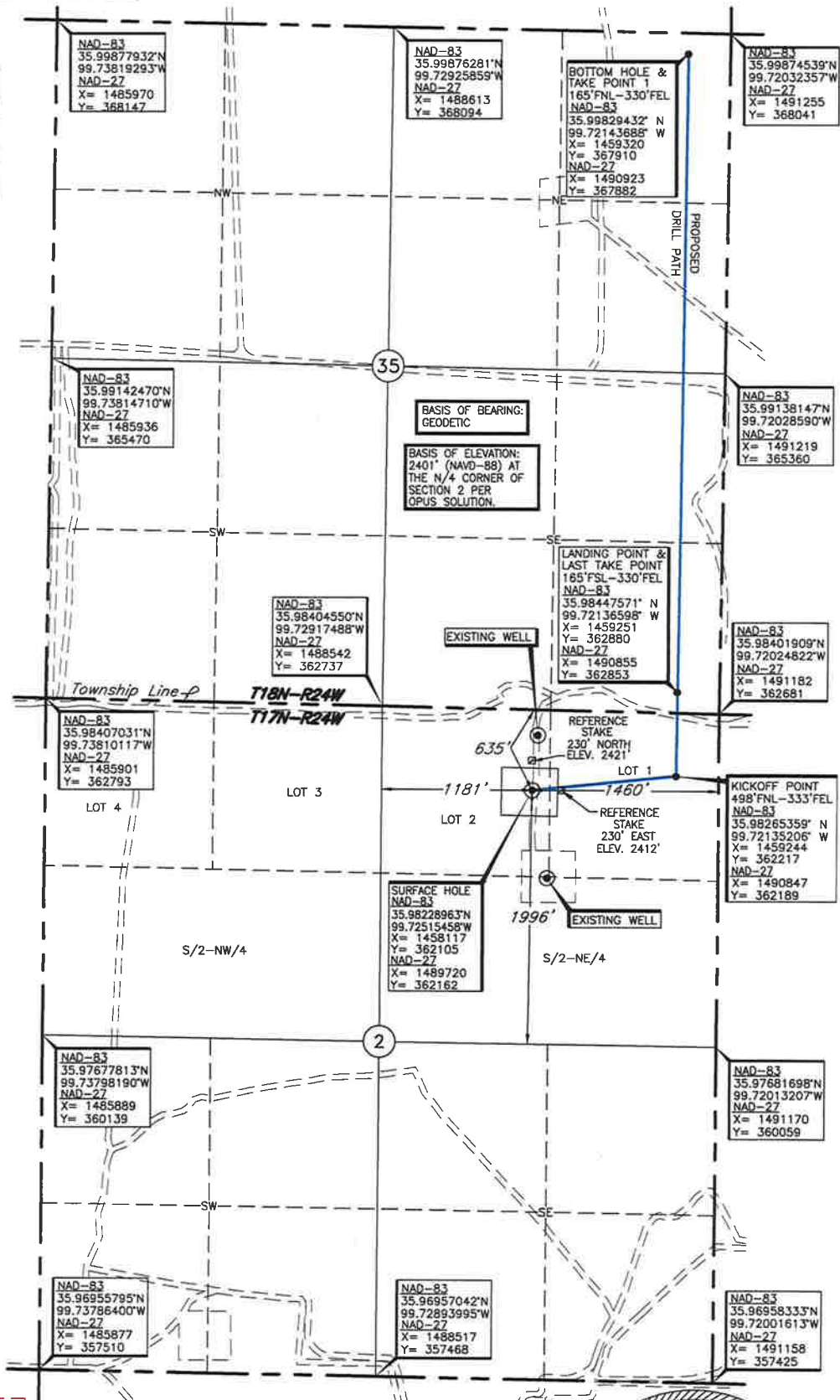
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Category	Description
MEMO	11/15/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM CUTTINGS TO BE SOIL FARMED, PIT 2 - OBM CUTTINGS TO HAULED TO COMM PITS, OBM TO VENDOR
SPACING - 610233	12/8/2017 - G58 - (640)(HOR) 35-18N-24W EXT 601929 MRMN POE TO BHL NCT 660' FB (SUPERSEDE NON-PRODUCING, NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING, NON-HORIZONTAL SPACING UNITS)



635' FNL-1460' FEL Section 2 Township 17N Range 24W I.M.

Operator: EOG RESOURCES, INC.  
 Lease Name: ROBERTA 35  
 Topography & Vegetation Loc. fell in sandy grass pasture, ± 436' SW of existing well.  
 Well No.: 4H  
 ELEVATION: 2417' Gr. at Stake NAD-88  
 Reference Stakes or Alternate Location  
 Stakes Set 230' North - Elev. 2421; 230' East - Elev. 2412  
 Good Drill Site? Yes  
 Best Accessibility to Location From South of county road  
 Distance & Direction from Hwy Jct or Town From the junction of US Hwy 283 S. & US Hwy 60/St. Hwy 51, East of Arnett, Oklahoma, go ± 10.5 miles South on US Hwy 283, then ± 2 miles East to the Northeast Corner of Section 2, T17N-R24W.



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

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

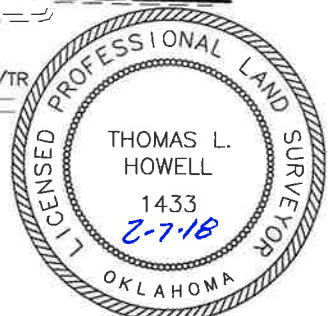
DATUM: NAD-83  
 LAT: 35.98228963°N  
 LONG: 99.72515458°W

Revision ☒ D Date of Drawing: Feb. 7, 2018  
 Invoice # 288137 Date Staked: Apr. 26, 2017 JGW/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.

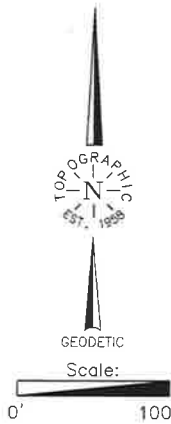
*Thomas L. Howell*  
 Oklahoma Lic. No. 1433



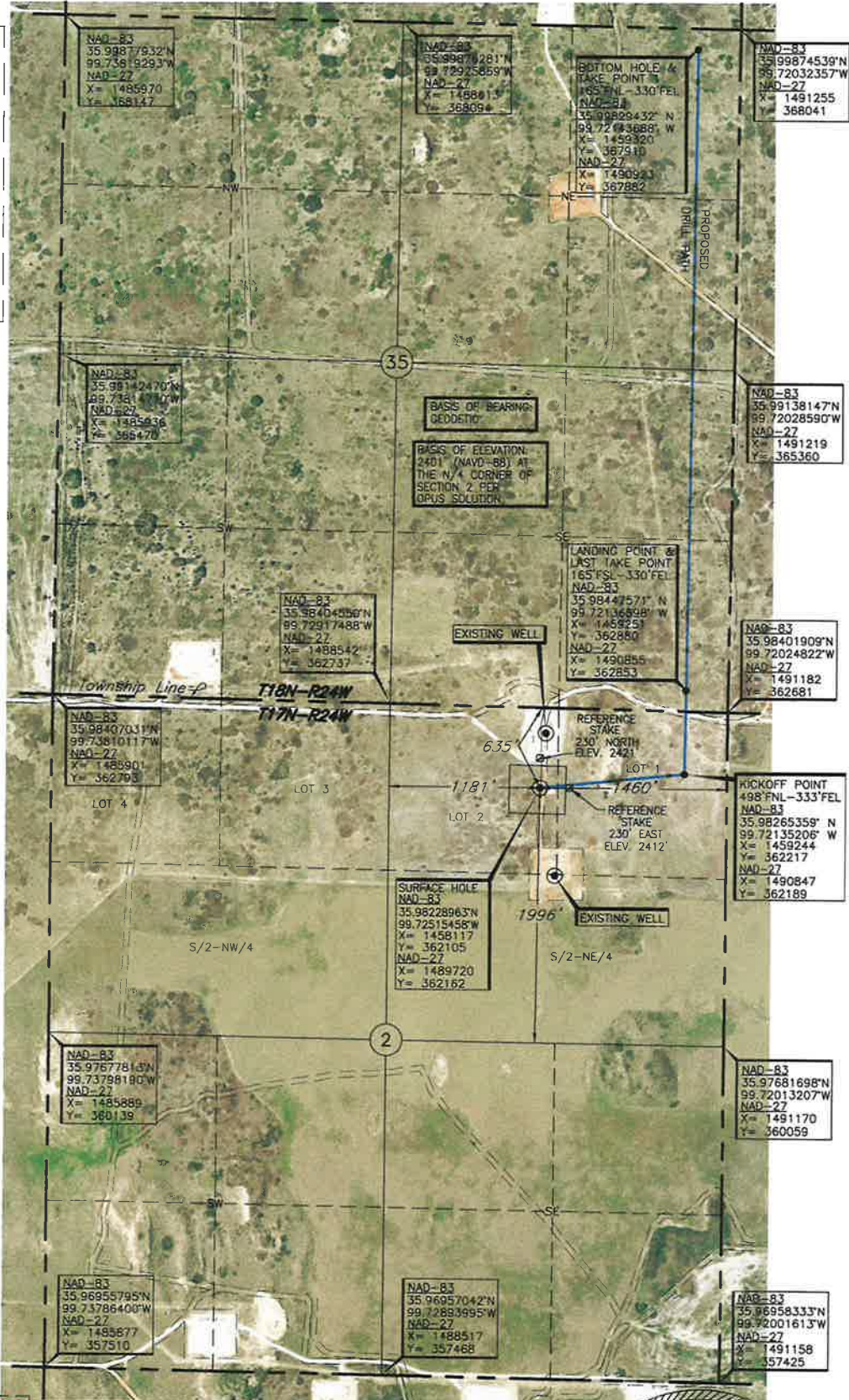
ELLIS

County, Oklahoma

635'ENL-1460'FEL Section 2 Township 17N Range 24W I.M.



KICK OFF POINT, LANDING POINT, LAST TAKE POINT, BOTTOM HOLE, TAKE POINT 1 AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.



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