

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

API NUMBER: 051 24481

Approval Date: 09/20/2018
Expiration Date: 03/20/2020

Directional Hole Stratigraphic Test

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 8N Rge: 5W County: GRADY
SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2401 1719

Lease Name: DESKINS 32 Well No: 1 Well will be 1719 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

SHOCKEY LAND AND CATTLE CO. INC
6713 CHELSEY LANE
OKLAHOMA CITY OK 73132

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

	Name	Depth		Name	Depth
1	HOXBAR	6680	6	HUNTON	11520
2	DEESE	9350	7		
3	PENN BASAL	10900	8		
4	MISSISSIPPIAN	11230	9		
5	WOODFORD	11400	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11890 Ground Elevation: 1304 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 450

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35346
E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
H. SEE MEMO

DIRECTIONAL HOLE 1

Sec 32 Twp 8N Rge 5W County GRADY

Spot Location of End Point: NW NW NE SW

Feet From: SOUTH 1/4 Section Line: 2583

Feet From: WEST 1/4 Section Line: 1367

Measured Total Depth: 11890

True Vertical Depth: 11850

End Point Location from Lease,

Unit, or Property Line: 1367

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: DUNCAN

Notes:

Category

Description

DEEP SURFACE CASING

9/13/2018 - 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

9/13/2018 - 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: OCCWEB.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

9/13/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING

9/20/2018 - G58 - NA - STRAT TEST

STRAT TEST

9/20/2018 - G58 - WELL IS BEING PERMITTED AS A SCIENTIFIC TEST/STRATIGRAPHIC TEST. OP WILL USE THIS WELL TO MONITOR FRACS IN THE AREA, AND LOG FORMATIONS. OP. UNDERSTANDS THAT THIS PERMIT DOES NOT GIVE THEM THE RIGHT TO COMPLETE/PRODUCE FROM ANY FORMATION LISTED ON PERMIT.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

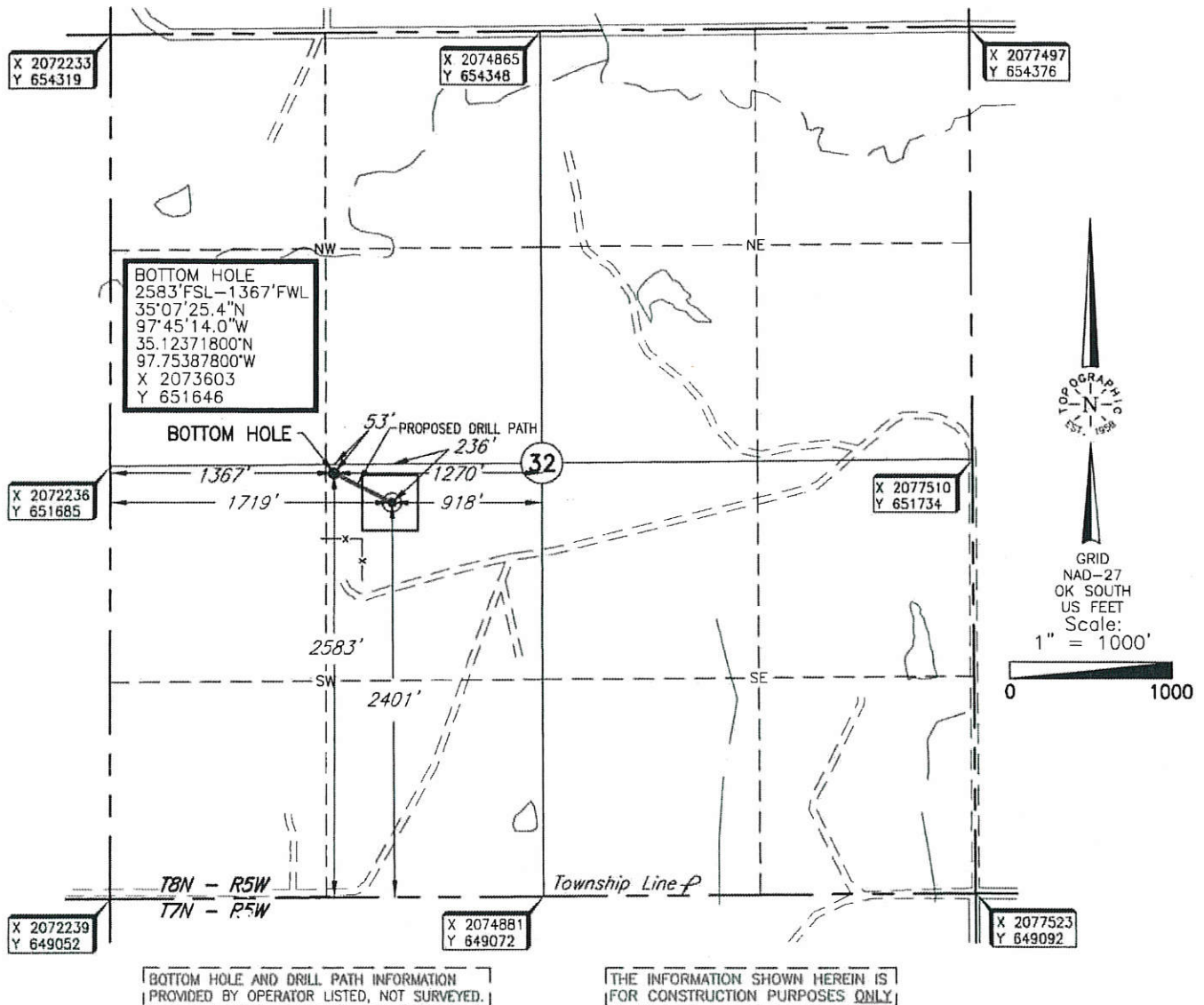
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

051-24481

2401'FSL - 1719'FWL Section 32 Township 8N Range 5W I.M.



[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: DESKINS 32

Well No.: #1

ELEVATION:

1304' Gr. at Stake

Topography & Vegetation Location fell in pasture sloping downhill to the NW and North.

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From existing lease road from East Section Line.

Distance & Direction

from Hwy Jct or Town From Middleburg, Ok., go ±0.75 mile on old U.S. Hwy. 62 NE, then ±1 mile West on CR 1310 Rd., then ±0.75 mile North and West on CR 2950 to a locked gate on the East Section Line of Section 32, T8N - R5W.

DATUM: NAD-27

LAT: 35°07'23.6\"N

LONG: 97°45'09.7\"W

LAT: 35.123220304\"N

LONG: 97.752699928\"W

STATE PLANE
COORDINATES (US FEET):

ZONE: OK SOUTH

X: 2073955

Y: 651466

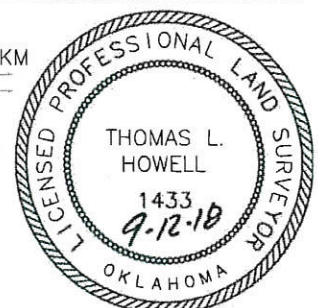
Revision ☒ C Date of Drawing: September 10, 2018

Invoice # 302107 Date Staked: September 5, 2018 RKM

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.