

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

API NUMBER: 087 22137

Approval Date: 05/17/2018

Expiration Date: 11/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 7N Rge: 3W

County: MCCLAIN

SPOT LOCATION: ☐ SE ☐ SE ☐ NE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1567 2353

Lease Name: MOORE

Well No: 1930 1H

Well will be 1567 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

ESTATE OF J. W. MOORE JR.
1025 WAGON TRAIL LANE
GOLDSBY OK 73093

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9440	6	
2	WOODFORD	9615	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803236
201803237
201803234
201803235

Special Orders:

Total Depth: 16145

Ground Elevation: 1147

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34078

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 30 Twp 7N Rge 3W County MCCLAIN

Spot Location of End Point: S2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 9083

Radius of Turn: 477

Direction: 181

Total Length: 6313

Measured Total Depth: 16145

True Vertical Depth: 9745

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

Notes:

Category

Description

DEEP SURFACE CASING

5/10/2018 - 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

5/10/2018 - 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

MEMO

5/10/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - DIBBLE CREEK); PIT 1 - WBM & CUTTINGS TO BE SOIL FARMED; PIT 2 - OBM CUTTINGS TO R360 (ORDER # 587498) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 2 - OBM TO VENDOR

PENDING CD - 201803234

5/17/2018 - G75 - (640)(HOR) 19-7N-3W
EXT 666813 MSSP, WDFD
POE TO BHL (MSSP) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 5-14-2018 (FOREMAN)

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

087 22137 MOORE 1930 1H

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 - 201803235	5/17/2018 - G75 - (640)(HOR) 30-7N-3W VAC OTHER EXT 651990 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 5-14-2018 (FOREMAN)
PENDING CD - 201803236	5/17/2018 - G75 - (I.O.) 19 & 30-7N-3W EST MULTIUNIT HORIZONTAL WELL X201803234 MSSP, WDFD 19-7N-3W X201803235 MSSP, WDFD 30-7N-3W (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 25% 19-7N-3W 75% 30-7N-3W EOG RESOURCES, INC. REC 5-14-2018 (FOREMAN)
PENDING CD - 201803237	5/17/2018 - G75 - (I.O.) 19 & 30-7N-3W X201803234 MSSP, WDFD 19-7N-3W X201803235 MSSP, WDFD 30-7N-3W COMPL. INT. (19-7N-3W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (30-7N-3W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL EOG RESOURCES, INC. REC 5-14-2018 (FOREMAN)

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

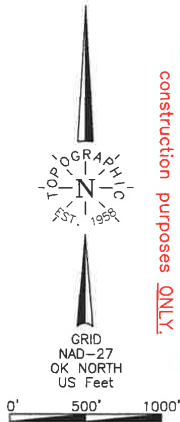
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MCCLAIN

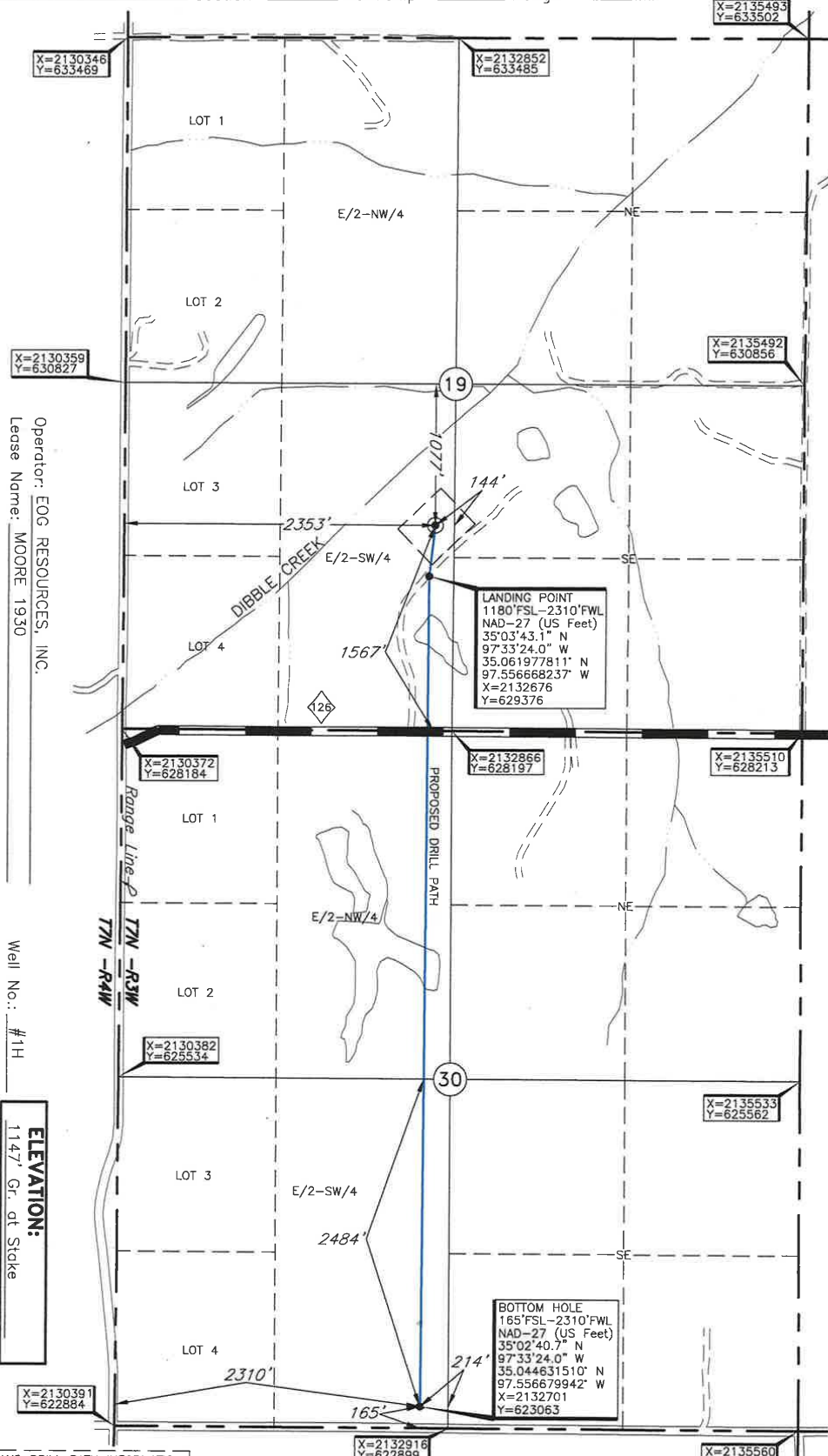
County, Oklahoma

1567' FSL - 2353' FWL Section 19 Township 7N Range 3W I.M.



NOTE:

The information shown herein is for construction purposes ONLY.



Operator: EOG RESOURCES, INC.
Lease Name: MOORE 1930
Topography & Vegetation Loc. fell in sloping posture
Well No.: #1H
ELEVATION: 1147' Gr. at Stake

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

Best Accessibility to Location From South of county road
Distance & Direction From Jct. St. Hwy. 76 N-S and St. Hwy. 39 NW-SE, South of Blanchard, OK, go ± 1.2 mi. North on St. Hwy. 76, then ± 5.0 mi. East on paved road to the SW Cor. of Sec. 19-17N-R3W

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

DATUM: NAD-27
LAT: 35°03'46.9"N
LONG: 97°33'23.5"W
LAT: 35.063040134°N
LONG: 97.556524156°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2132718
Y: 629763

Date of Drawing: Apr. 10, 2018
Invoice # 291816 Date Staked: Apr. 7, 2018 AC/TR

CERTIFICATE:

I, Dan W. Rogers, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Dan W. Rogers
Oklahoma Lic. No. 1200

