

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

API NUMBER: 087 22271

Approval Date: 11/19/2019

Expiration Date: 05/19/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 8N Rge: 4W County: MCCLAIN

SPOT LOCATION: ☐ SW ☐ NW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 786 1346

Lease Name: TERRI 2116

Well No: 4H

Well will be 786 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

NANCY CURRY, ET AL
2610 RIP VAN WINKLE
PEARLAND TX 77581

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9640	6	
2	WOODFORD	9820	7	
3	HUNTON	9985	8	
4			9	
5			10	

Spacing Orders: 601388
628255
671519
672465

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201905211
201905212
201905213
201905214

Special Orders:

Total Depth: 19973 Ground Elevation: 1270

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 480

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37049

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

H. SEE MEMO

G. Haul to recycling/re-use facility: Sec. 1 Twn. 15N Rng. 11W Cnty. 11 Order No: 698697

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

The duration of this permit is 18 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

HORIZONTAL HOLE 1

Sec 16 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2006

Depth of Deviation: 9067

Radius of Turn: 500

Direction: 10

Total Length: 10120

Measured Total Depth: 19973

True Vertical Depth: 9985

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

Notes:

Category

Description

DEEP SURFACE CASING

10/31/2019 - 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

10/31/2019 - 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

10/31/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM/CUTTINGS WILL BE SOIL FARMED & PIT 2 - CUTTINGS TO BE HAUL TO R360/J SCOTT (587498) IN CANADIAN COUNTY OR HEARTLAND ENV RES (698697) IN BLAINE COUNTY - OBM TO VENDOR

PENDING CD - 201905211

11/19/2019 - GB6 - (I.O.) 16-8N-4W
X601388 WDFD
1 WELL
NO OP. NAMED
11/12/2019 (THOMAS)

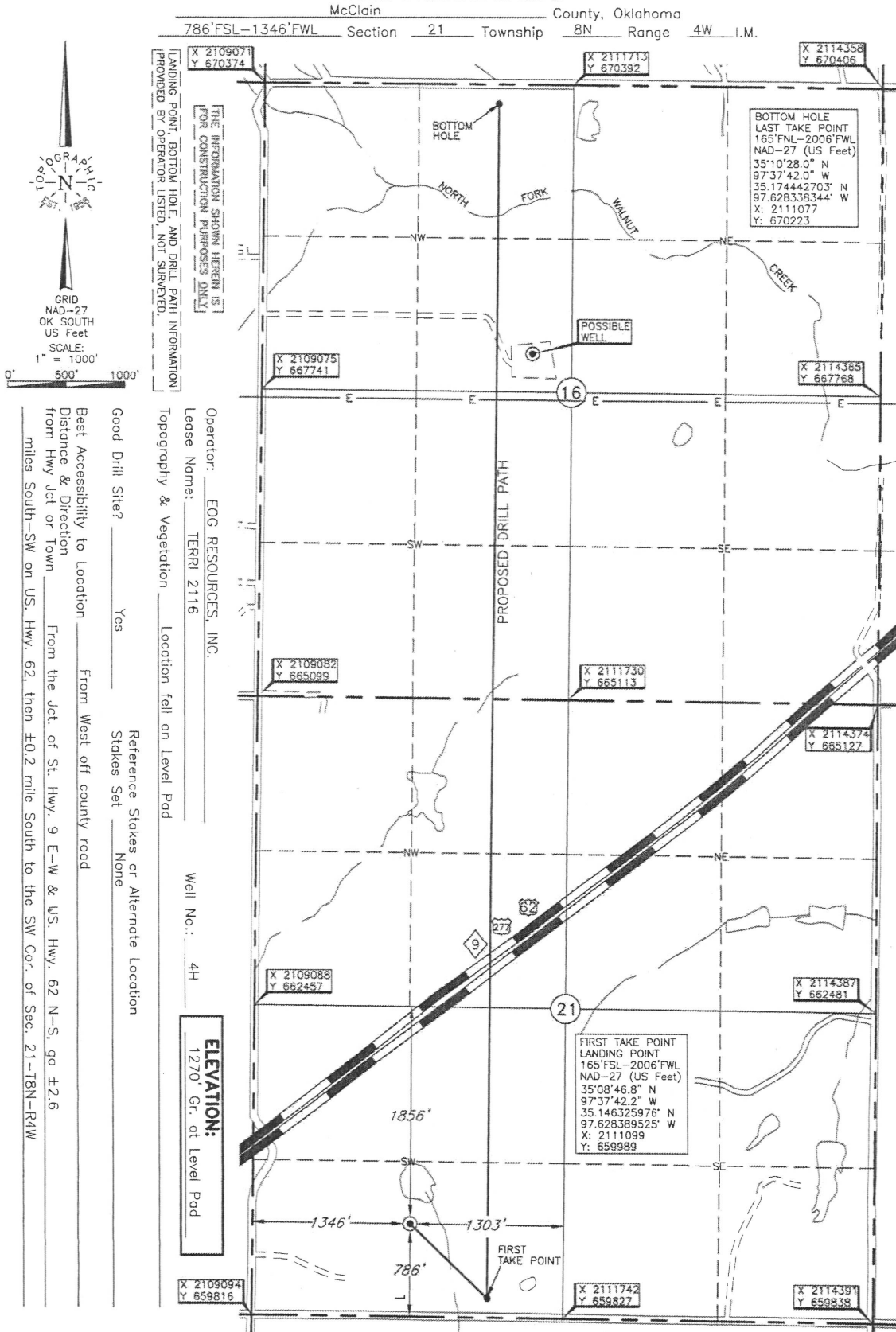
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087 22271 TERRI 2116 4H

PENDING CD - 201905212	11/19/2019 - GB6 - (I.O.) 21-8N-4W X671519/672465 WDFD 1 WELL NO OP. NAMED 11/12/2019 (THOMAS)
PENDING CD - 201905213	11/19/2019 - GB6 - (I.O.) 16 & 21-8N-4W EST MULTIUNIT HORIZONTAL WELL X601388 MSSP, WDFD, HNTN 16-8N-4W X628255 HNTN 21-8N-4W X671519/672465 MSSP, WDFD 21-8N-4W (MSSP, HNTN ARE ADJACENT CSS TO WDFD) 50% 16-8N-4W 50% 21-8N-4W NO OP. NAMED REC 11/12/2019 (THOMAS)
PENDING CD - 201905214	11/19/2019 - GB6 - (I.O.) 16 & 21-8N-4W X601388 MSSP, WDFD, HNTN 16-8N-4W X671519/672465 MSSP, WDFD 21-8N-4W X628255 HNTN 21-8N-4W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO TERRI 1621 #1H, #2H, #3H, #4H COMPL. INT. 16-8N-4W NCT 165' FNL, NCT 0' FSL, NCT 1155' FWL COMPL. INT. 21-8N-4W NCT 0' FNL, NCT 165' FSL, NCT 1155' FWL NO OP. NAMED REC. 11/12/2019 (THOMAS)
SPACING - 601388	11/19/2019 - GB6 - (640) 16-8N-4W VAC 165857 HNTN, OTHERS EXT 588047 MSSP, WDFD, HNTN, OTHERS
SPACING - 628255	11/19/2019 - GB6 - (640) 21-8N-4W VAC 165857 HNTN, OTHERS EXT 601388/616603 MSSP, WDFD, HNTN, OTHERS
SPACING - 671519	11/19/2019 - GB6 - (640)(HOR) 21-8N-4W EXT 663347 MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 628255 MSSP)
SPACING - 672465	11/19/2019 - GB6 - NPT TO SP. ORDER 671519 TO COEXIST WITH WDFD FROM ORDER 628255



DATUM: NAD-27
LAT: 35°08'52.9"N
LONG: 97°37'50.1"W
LAT: 35.148030727° N
LONG: 97.630595025° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2110438
Y: 660607

Date of Drawing: Sep. 26, 2019
Project # 130237C Date Staked: Sep. 25, 2019 LC

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

