

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

API NUMBER: 087 22212

Approval Date: 01/16/2019

Expiration Date: 07/16/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 8N Rge: 4W County: MCCLAIN

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 276 1603

Lease Name: TERRI 1621

Well No: 6H

Well will be 276 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
OKLAHOMA CITY, OK 73112-1483

ROY OLIVER
101 NORTH ROBINSON, STE 900
OKLAHOMA CITY OK 73102

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9280	6	
2	WOODFORD	9330	7	
3	HUNTON	9500	8	
4			9	
5			10	

Spacing Orders: 601388
671519
628255
672465

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900108
201900109
201900110
201900111

Special Orders:

Total Depth: 19900

Ground Elevation: 1170

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

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

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

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: DUNCAN

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

HORIZONTAL HOLE 1

Sec 21 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1982

Depth of Deviation: 8915

Radius of Turn: 477

Direction: 181

Total Length: 10236

Measured Total Depth: 19900

True Vertical Depth: 9670

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

Notes:

Category

Description

DEEP SURFACE CASING

1/11/2019 - 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

1/11/2019 - 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

1/11/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BRIDGE CREEK), PIT 1 - WBM/CUTTINGS & PIT 2 - CUTTINGS TO BE HAUL TO COMM PITS (587498) OR TO DEQ APPROVED FAC - SOUTHERN PLAINS LANDFILL (GRADY CO) 3526013, PIT 2 - OBM TO VENDOR

PENDING CD - 201900108

1/14/2019 - G58 - 16-8N-4W
X601388 WDFD
2 WELLS
NO OP. NAMED
HEARING 2/4/2019

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

087 22212 TERRI 1621 6H

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

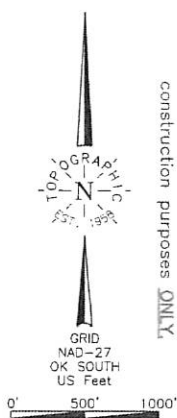
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201900109	1/14/2019 - G58 - 21-8N-4W X671519/672465 WDFD 2 WELLS NO OP. NAMED HEARING 2/4/2019
PENDING CD - 201900110	1/14/2019 - G58 - (E.O.) 16 & 21-8N-4W EST MULTIUNIT HORIZONTAL WELL X601388 MSSP, WDFD, HNTN 16-8N-4W X671529***/672465 MSSP, WDFD X628255 HNTN (MSSP, HNTN ARE ADJACENT CSS TO WDFD) 50% 16-8N-4W 50% 21-8N-4W NO OP. NAMED HEARING 1/14/2019 ***S/B 671519
PENDING CD - 201900111	1/14/2019 - G58 - (I.O.) 16 & 21-8N-4W X601388 MSSP, WDFD, HNTN 16-8N-4W X671529***/672465 MSSP, WDFD X628255 HNTN X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO PROPOSED WELL MAY BE CLOSER THAN 600' TO EXISTING TERRI 1621 7H WELL COMPL. INT. 16-8N-4W NCT 165' FNL, NCT 0' FSL, NCT 1780' FEL COMPL. INT. 21-8N-4W NCT 0' FNL, NCT 165' FSL, NCT 1780' FEL NO OP. NAMED HEARING 1/14/2019 ***S/B 671519
SPACING - 601388	1/14/2019 - G58 - (640) 16-8N-4W VAC 165857 HNTN, OTHERS EXT 588047 MSSP, WDFD, HNTN, OTHERS
SPACING - 628255	1/14/2019 - G58 - (640) 21-8N-4W VAC 165857 HNTN, OTHERS EXT 601388/616603 MSSP, WDFD, HNTN, OTHERS
SPACING - 671519	1/14/2019 - G58 - (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	1/14/2019 - G58 - NPT TO SP. ORDER 671519 TO COEXIST WITH WDFD FROM ORDER 628255

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.

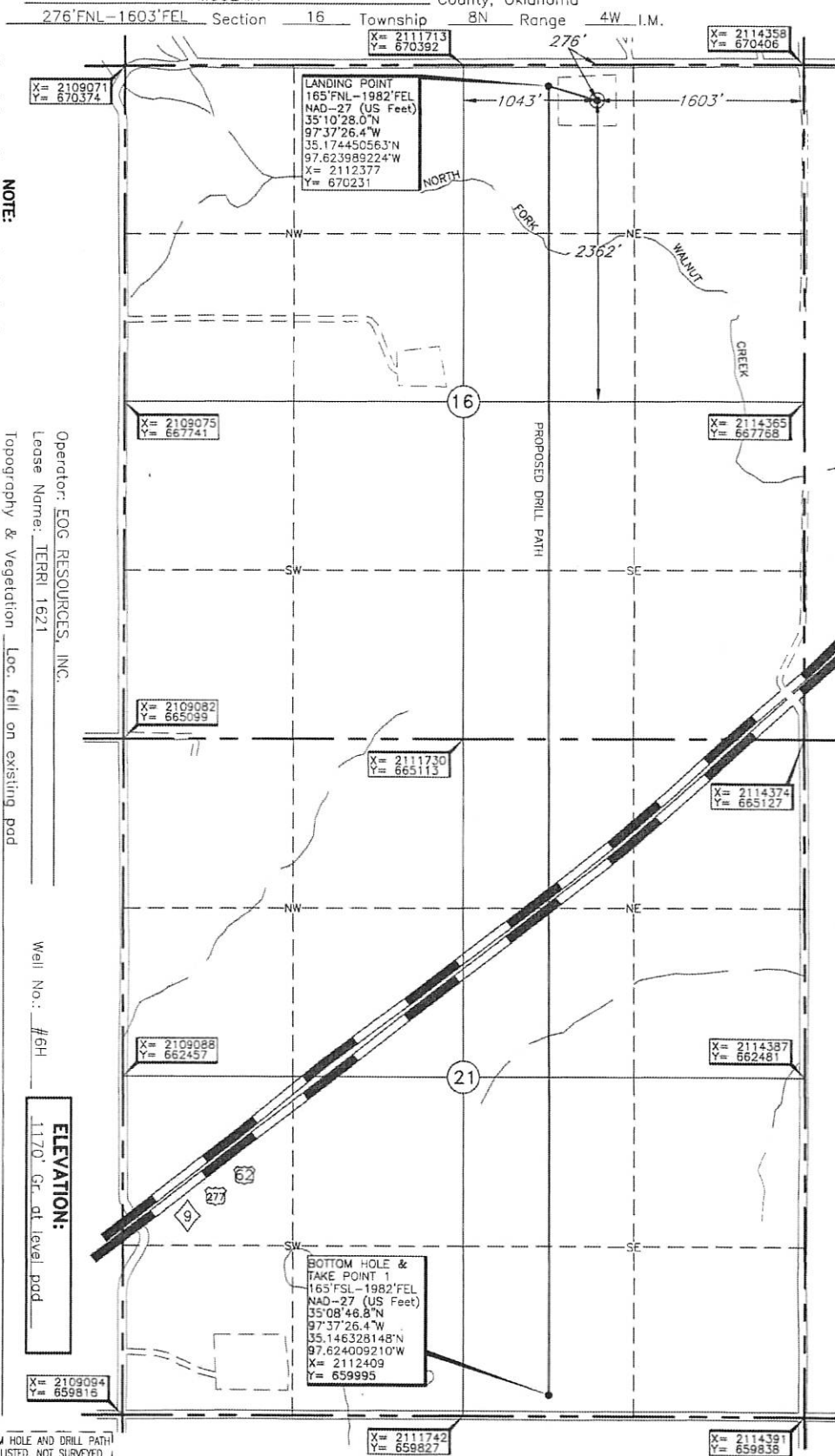
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NOTE:
The information shown herein is for construction purposes ONLY.

Operator: EOG RESOURCES, INC.
Lease Name: TERRI 1621
Topography & Vegetation: Loc. fell on existing pad
Good Drill Site? Yes
Reference Stakes or Alternate Location: Stakes Set None
Best Accessibility to Location: From North of county road
Distance & Direction from Hwy Jct or Town: From Jct. St. Hwy. 9 East and US Hwy. 277, go ±0.5 mi. S-SW on St. Hwy. 9-US Hwy. 277, then ±1.0 mi. West on county road to the NE Cor. of Sec. 16-18N-R4W

ELEVATION:
1170' Gr. at level pad



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

DATUM: NAD-27
LAT: 35°10'26.9\"N
LONG: 97°37'21.8\"W
LAT: 35°17'41.7443\"N
LONG: 97°62'27.19208\"W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2112757
Y: 670122

Date of Drawing: Jan. 8, 2019
Invoice # 3110368 Date Staked: Jan. 7, 2019

KH

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

