

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

API NUMBER: 051 24663

Approval Date: 06/28/2019
Expiration Date: 12/28/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 6N Rge: 6W County: GRADY
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 247 2195

Lease Name: RUE 0606 Well No: 1-22-15WXH Well will be 247 feet from nearest unit or lease boundary.
Operator Name: MARATHON OIL COMPANY Telephone: 4057205508 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
PO BOX 68
HOUSTON, TX 77001-0068

ADAMS ALFALFA FARMS
1222 COUNTY ROAD 1420
NINNEKAH OK 73067

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

Name	Depth	Name	Depth
1 WOODFORD	14010	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 609380 Location Exception Orders: Increased Density Orders: 698400
598782 697571

Pending CD Numbers: 201902359 Special Orders:
201902358

Total Depth: 21765 Ground Elevation: 1041 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 510

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: 19-36582
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 15 Twp 6N Rge 6W County GRADY

Spot Location of End Point: NW NW NW SE

Feet From: SOUTH 1/4 Section Line: 2590

Feet From: EAST 1/4 Section Line: 2500

Depth of Deviation: 13310

Radius of Turn: 477

Direction: 358

Total Length: 7705

Measured Total Depth: 21765

True Vertical Depth: 14024

End Point Location from Lease,
Unit, or Property Line: 2500

Notes:

Category

Description

DEEP SURFACE CASING

6/25/2019 - 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

6/25/2019 - 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

INCREASED DENSITY - 697571

6/28/2019 - G58 - 22-6N-6W
X598782 WDFD
6 WELLS
NO OP. NAMED
6/11/2019

INCREASED DENSITY - 698400

6/28/2019 - G58 - 15-6N-6W
X609380 WDFD
5 WELLS
NO OP. NAMED
6/26/2019

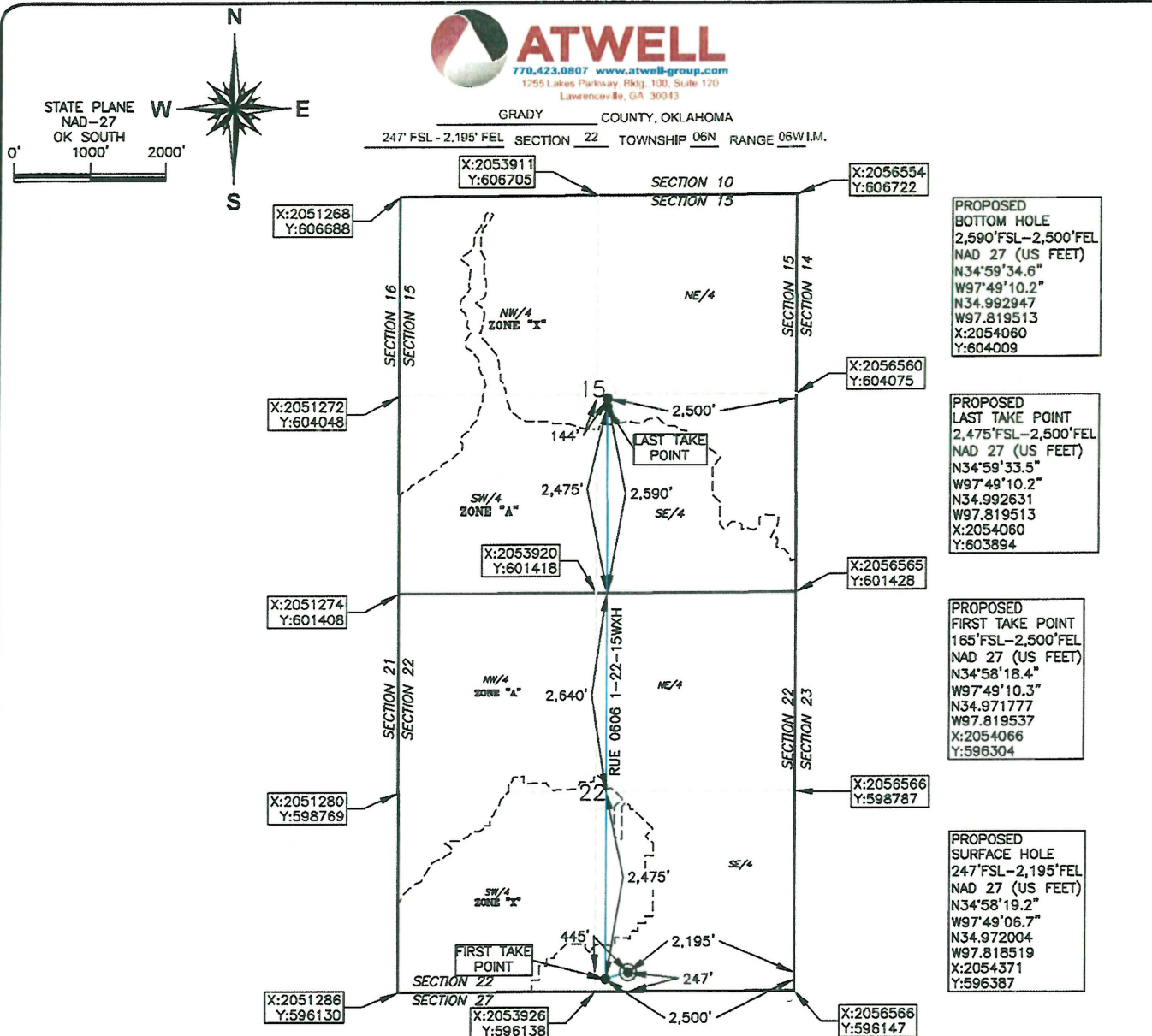
This permit does not address the right of entry or settlement of surface damages.

051 24663 RUE 0606 1-22-15WXH

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
MEMO	6/25/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201902358	6/28/2019 - G58 - (I.O.) 15 & 22-6N-6W X609380 WDFD, OTHERS X598782 WDFD, OTHERS X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO THE PRIM 1-22H & THE ISAAC TAYLOR 1-15H COMPL. INT. 22-6N-6W NCT 150' FSL, NCT 0' FNL, NCT 990' FEL COMPL. INT. 15-6N-6W NCT 0' FSL, NCT 2640' FNL, NCT 990' FEL NO OP. NAMED REC 5/14/2019 (MILLER)
PENDING CD - 201902359	6/28/2019 - G58 - (I.O.) 15 & 22-6N-6W EST MULTIUNIT HORIZONTAL WELL X609380 WDFD, OTHERS X598782 WDFD, OTHERS (WDFD IS TARGET RESERVOIR) 15% 15-6N-6W 66% 22-6N-6W NO OP. NAMED REC 5/14/2019 (MILLER)
SPACING - 598782	6/28/2019 - G58 - (640) 22-6N-6W EXT 153801/580121 WDFD, OTHERS
SPACING - 609380	6/28/2019 - G58 - (640)(HOR) 15-6N-6W EST WDFD, OTHERS POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: RUE 0606

WELL NO.: 1-22-15WXH

TOPOGRAPHY & VEGETATION: OPEN FIELD

ELEVATION:

1,044' GR. AT STAKE NAVD88

1,041' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET NONE

BEST ACCESS TO LOCATION: FROM THE NORTH SIDE OF E1410 RD

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF OK HWY. 19 AND DELL ST. APPROX. 8 MILES SOUTH OF CHICKASHA. CONTINUE ONTO E 1420 RD. APPROX. 0.5 MILES. THENCE NORTH ON N2895 RD.

APPROX. 0.7 MILES. THENCE EAST ON E 1413 RD APPROX. 0.5 MILES. THENCE NORTH ON 2900 RD APPROX. 0.2 MILES. THENCE EAST ON E 1410 RD. APPROX. 0.6 MILES.

DATUM: NAD 27

LAT: 34° 58' 19.2" N

LONG: 97° 49' 06.7" W

LAT: 34.972004° N

LONG: 97.818519° W

STATE PLANE

COORDINATES: (US FEET)

ZONE: OK SOUTH

X: 2054371

Y: 596387

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

JOB NO.: 19000437

DATE OF DRAWING: 6/4/19

DATE STAKED: 5/31/19

CERTIFICATE:

I, DAVID L. ANDERSON, an Oklahoma Licensed Land Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1927

