

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

API NUMBER: 051 24745

Approval Date: 12/30/2019

Expiration Date: 06/30/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 6N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 290 1156

Lease Name: ASP 0606-27-34

Well No: 1SHX

Well will be 290 feet from nearest unit or lease boundary.

Operator
Name: WARWICK-BACCHUS LLC

Telephone: 4056073453

OTC/OCC Number: 24266 0

WARWICK-BACCHUS LLC
6608 N WESTERN AVE BOX 417
OKLAHOMA CITY, OK 73116-7326

ADAMS ALFALFA FARMS INC
1222 COUNTY ROAD 1420
NINNEKAH OK 73067

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

Name	Depth	Name	Depth
1 SPRINGER	13495	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 680371

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801384
201801385

Special Orders:

Total Depth: 25000

Ground Elevation: 1045

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 510

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

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: 19-37158

H. SEE MEMO

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 34 Twp 6N Rge 6W County GRADY

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2380

Depth of Deviation: 13603

Radius of Turn: 732

Direction: 185

Total Length: 10247

Measured Total Depth: 25000

True Vertical Depth: 13495

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

Notes:

Category

Description

DEEP SURFACE CASING

12/20/2019 - 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

12/20/2019 - 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

12/20/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201801384

12/276/2019 - GC2 - (E.O.) 27 & 34-6N-6W
EST MULTIUNIT HORIZONTAL WELL
X680371 SPRG 27 & 34-6N-6W
50% 27-6N-6W
50% 34-6N-6W
WARWICK-BACCHUS, LLC
REC 12-23-2019 (NORRIS)

***ATTORNEY WILL STATE THAT THE GODDARD SHALE IS THE TARGET IN THE ORDERS FOR OPERATOR.

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

051 24745 ASP 0606-27-34 1SHX

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.

PENDING CD - 201801385

12/27/2019 - GC2 - (E.O.) 27 & 34-6N-6W
X680371 SPRG 27 & 34-6N-6W
COMPL. INT. (27-6N-6W) NCT 165' FNL, NCT 0' FSL, NCT 1320' FEL
COMPL. INT. (34-6N-6W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FEL
WARWICK-BACCHUS, LLC
REC 12-23-2019 (NORRIS)

***ATTORNEY WILL STATE THAT THE GODDARD SHALE IS THE TARGET IN THE ORDERS FOR OPERATOR.

SPACING - 680371

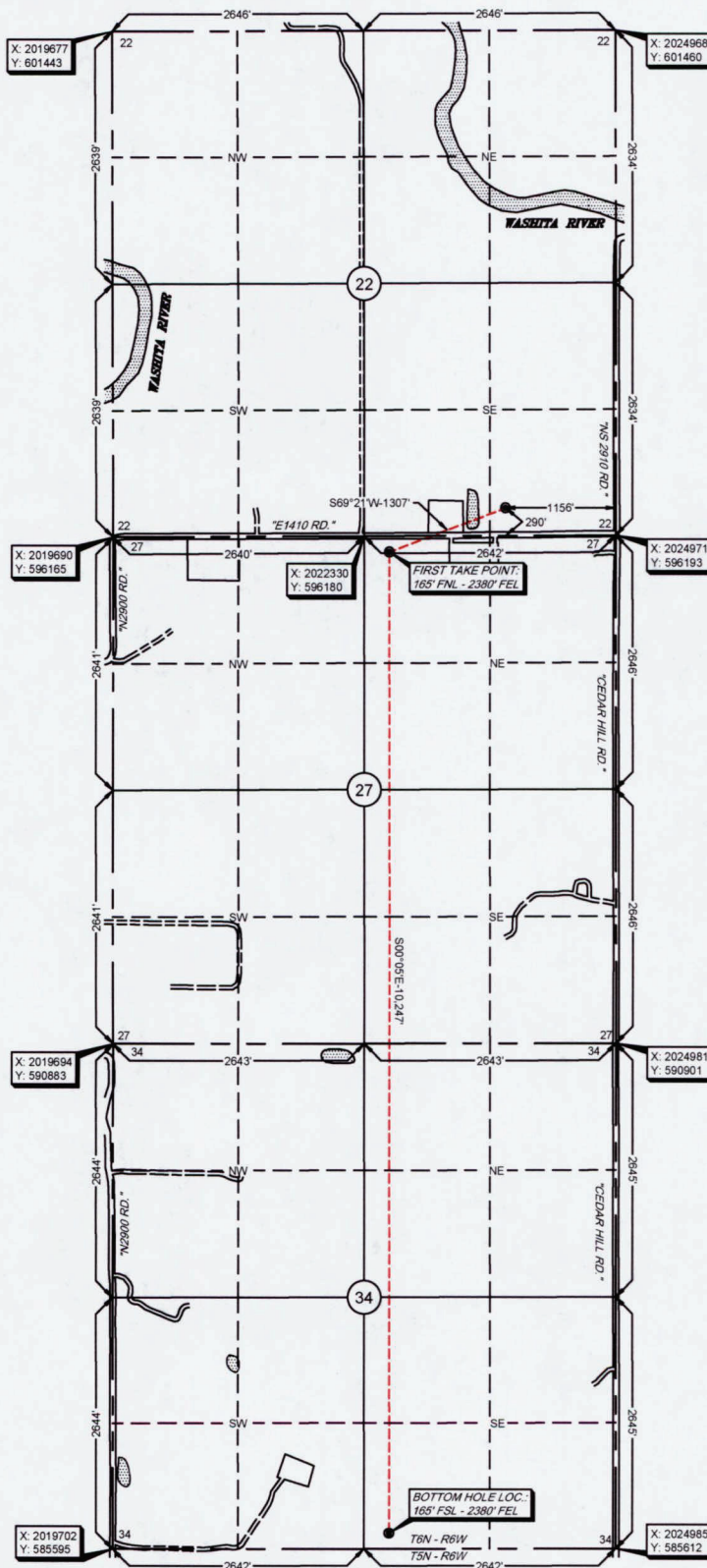
12/26/2019 - GB1 - (640)(HOR) 27 & 34-6N-6W
EST SPRG
COMPL. INT NLT 660' FB
(COEXIST EXISTING NON-HORIZONTAL SPACING UNITS)



Well Location Plat

Operator: WARWICK ENERGY GROUP
 Lease Name and No.: ASP 0606 27-34 1SHX
 Footage: 290' FSL - 1156' FEL Gr. Elevation: 1045'
 Section: 22 Township: 6N Range: 6W I.M.
 County: Grady State of Oklahoma
 Terrain at Loc.: Location fell in an open wheat field, with a frac pond to the West.

S.H.L. Sec. 22-6N-6W I.M.
 B.H.L. Sec. 34-6N-6W I.M.



All bearings shown
 are grid bearings.

0 750' 1500' 2250'
 1" = 1500'

GPS DATUM
 NAD 83
 OK SOUTH ZONE

Surface Hole Loc.:
 Lat: 34°58'19.92"N
 Lon: 97°48'55.31"W
 Lat: 34.97219999
 Lon: -97.81536485
 X: 2023815
 Y: 596477

First Take Point:
 Lat: 34°58'15.38"N
 Lon: 97°49'10.02"W
 Lat: 34.97093975
 Lon: -97.81945085
 X: 2022592
 Y: 596016

Bottom Hole Loc.:
 Lat: 34°56'34.03"N
 Lon: 97°49'10.08"W
 Lat: 34.94278546
 Lon: -97.81946620
 X: 2022605
 Y: 585769

Please note that this location was obtained on the ground under the supervision of a Licensed Professional Land Surveyor. The accuracy of the location is not guaranteed. Please contact Arkoma Surveying and Mapping properly if any inaccuracy is determined. GPS data is observed from RTK - GPS. NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed by this surveyor. Section corners may have been surveyed by a previous surveyor. Quarter Section distances may be assumed from a Government Survey Plat or other reliable source. Distances shown on this plat are for informational purposes only and may not have been measured on the ground, and further, does not represent a true boundary survey.

Survey and plat by:
 Arkoma Surveying and Mapping, PLLC
 P.O. Box 238 Wilburton, OK 74578
 Ph. 918-465-5711 Fax 918-465-5030
 Certificate of Authorization No. 5348
 Expires June 30, 2020

Invoice #7820-A
 Date Staked: 10/28/19 By: D.W.
 Date Drawn: 10/29/19 By: J.K.
 Revised SHL: 11/08/19 By: C.K.
 Add FTP & BHL: 12/09/19 By: C.K.
 Rev. FTP & BHL: 12/13/19 By: K.M.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
 LANCE G. MATHIS

12/16/19

OK LPLS 1664

