

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

API NUMBER: 063 24811

Approval Date: 06/19/2018

Expiration Date: 12/19/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 9N Rge: 12E County: HUGHES

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2421 2622

Lease Name: TURNER Well No: 252413-1HX Well will be 20 feet from nearest unit or lease boundary.

Operator Name: ANTIOCH OPERATING LLC

Telephone: 4052360080

OTC/OCC Number: 23947 0

ANTIOCH OPERATING LLC
PO BOX 1557
OKLAHOMA CITY, OK 73101-1557

MIDDLE CREEK RANCH, LLC
3789 HWY. 75
HOLDENVILLE OK 74848

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

	Name	Depth	Name	Depth
1	MAYES	4200	6	
2	WOODFORD	4335	7	
3	SYLVAN	4384	8	
4			9	
5			10	

Spacing Orders: 670852
678043

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803280
201803281

Special Orders:

Total Depth: 13000

Ground Elevation: 802

Surface Casing: 330

Depth to base of Treatable Water-Bearing FM: 280

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: 8000 Average: 5000

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: SENORA

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

PERMIT NO: 18-34667

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 BED AQUIFER

Pit Location Formation: SENORA

HORIZONTAL HOLE 1

Sec 13 Twp 9N Rge 12E County HUGHES

Spot Location of End Point: NE NW SW SW

Feet From: SOUTH 1/4 Section Line: 1310

Feet From: WEST 1/4 Section Line: 440

Depth of Deviation: 3797

Radius of Turn: 750

Direction: 2

Total Length: 8025

Measured Total Depth: 13000

True Vertical Depth: 4384

End Point Location from Lease,
Unit, or Property Line: 440

Notes:

Category

Description

HYDRAULIC FRACTURING

6/8/2018 - 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

6/8/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201803280

6/19/2018 - G75 - (I.O.) 25, 24 & 13-9N-12E
EST MULTIUNIT HORIZONTAL WELL
X670852 MYES, WDFD, SLVN 25 & 24-9N-12E
X678043 MYES, WDFD, SLVN 13-9N-12E
(MYES, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)
21% 25-9N-12E
63% 24-9N-12E
16% 13-9N-12E
NO OP. NAMED
REC 5-21-2018 (NORRIS)

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

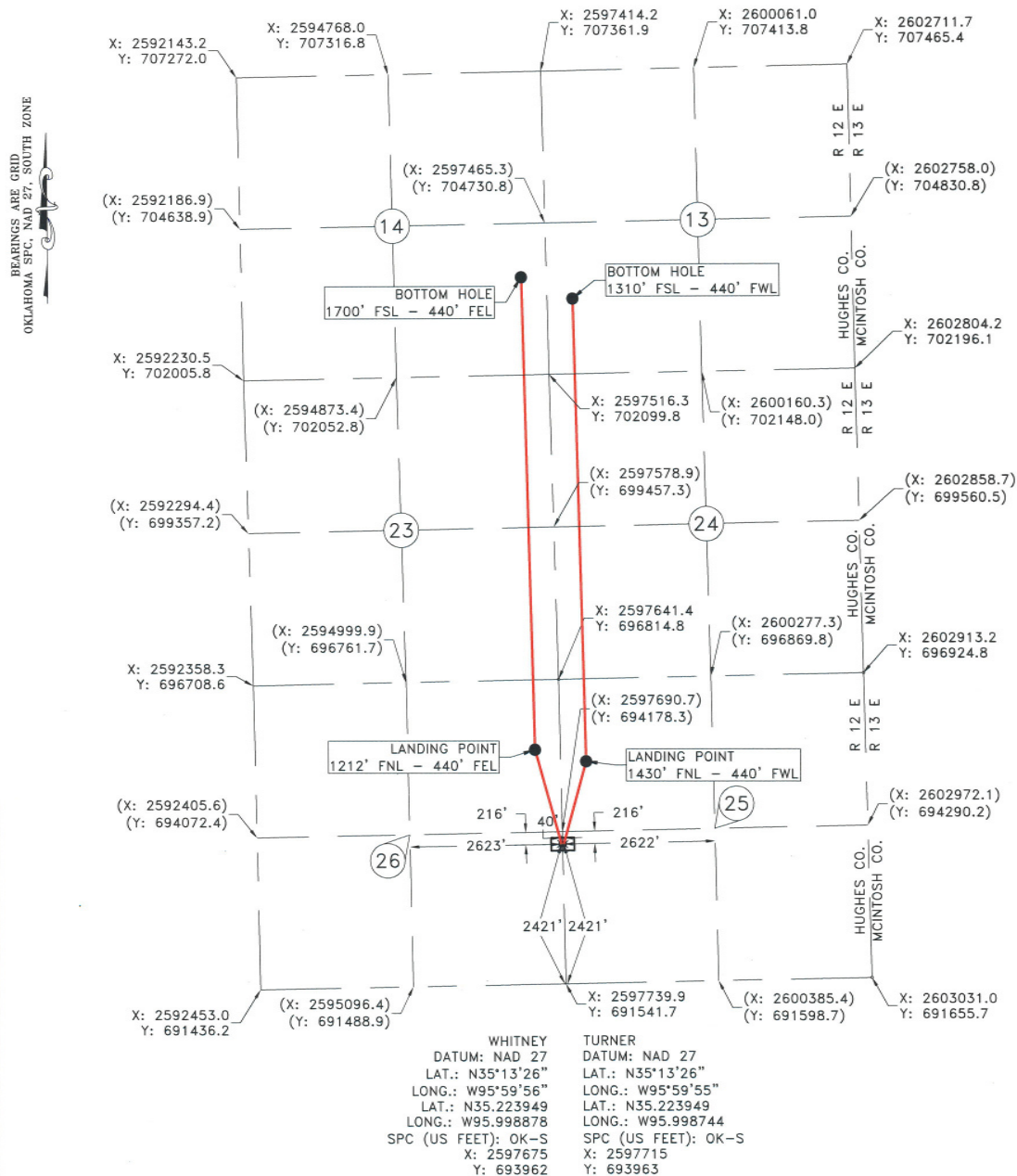
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

063 24811 TURNER 252413-1HX

Category	Description
PENDING CD - 201803281	6/19/2018 - G75 - (I.O.) 25, 24 & 13-9N-12E X670852 MYES, WDFD, SLVN, OTHER 25 & 24-9N-12E X678043 MYES, WDFD, SLVN, OTHER 13-9N-12E SHL (25-9N-12E) NW4 ** COMPL. INT. (25-9N-12E) NCT 2640' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (24-9N-12E) NCT 0' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (13-9N-12E) NCT 0' FSL, NCT 2640' FNL, NCT 330' FWL NO OP. NAMED REC 5-21-2018 (NORRIS) ** ITD HAS SHL AS 2421' FSL, 2622' FEL SW4 25-9N-12E; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
SPACING - 670852	6/19/2018 - G75 - (640)(HOR) 25 & 24-9N-12E VAC 533522 MYES, WDFD, OTHER 25-9N-12E EST MYES, WDFD, SLVN, OTHER POE TO BHL (MYES) NCT 660' FB POE TO BHL (SLVN) NCT 330' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 678043	6/19/2018 - G75 - (640)(HOR) 13-9N-12E VAC OTHERS EXT 674927 MYES, WDFD, SLVN, OTHER POE TO BHL (MYES) NCT 660' FB POE TO BHL (SLVN) NCT 330' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SURFACE LOCATION	6/19/2018 - G75 - 2421' FSL, 2622' FEL SW4 25-9N-12E WITH GROUND ELEVATION 802' PER STAKING PLAT

SECTIONS 13, 14, 23, 24, 25 & 26, T 9 N - R 12 E, I.M.,
HUGHES COUNTY, OKLAHOMA

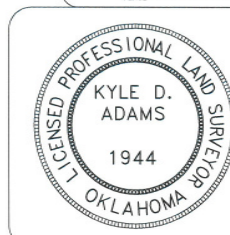


Operator: ANTIOCH Date Staked: 6/4/18
Lease Name: WHITNEY/TURNER Well No.: 1-26 Elevation: 800'/802'
Topography and Vegetation: PASTURE
Good Drill Site? YES Reference or Alt. Location Stakes Set: NONE
Best Accessibility to Location: FROM COUNTY ROAD
Distance and Direction from Hwy. Jct. or town: FROM DUSTIN GO EAST ON ST HWY. 9 FOR 1.2 MILES, HEAD SOUTH ON N3930 RD. FOR 2.2 MILES, HEAD EAST ON E1230 RD. FOR 1.0 MILE, TURN SOUTH INTO LOCATION.

[Signature] 6/14/18
KYLE D. ADAMS
OKLAHOMA P.L.S. NO.: 1944

NOTE:
This is a plat of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.

LEGEND
SURFACE LOCATION: ★
EXISTING WELL: ☆
PROPOSED WELL: ●
EXISTING PIPELINE: ---
ELECTRIC LINE: - - -
OVERHEAD POWER: - - -
FENCE: - - -



Gateway
Gateway Services Group, LLC
P.O. BOX 960
WEEKER, OK 74855
OFF. (405) 273-0954
FAX (405) 273-0560
C.A. NO. 4091 (LS)
EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY			
ANTIOCH WHITNEY/TURNER SECTIONS 13, 14, 23, 24, 25 & 26, T 9 N - R 12 E, I.M., HUGHES COUNTY, OKLAHOMA			
BROWN BY: TLM	DATE: 6/1/18	CHK'D: CWP	
GATEWAY NO.: 18-0368-001R2	SCALE: 1"=2000'		
REV.	DATE	DESCRIPTION	DATE
1	JPH	RESTATE	6/5/18
2	CLC	ADDED SECTIONS AND BHL MOVE	6/14/18