API NUMBER: 045 23806 **OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION** P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

07/10/2019 Approval Date: Expiration Date: 01/10/2021

Horizontal Hole Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: SPOT LOCATION: Lease Name: Operator Name:		SE	W County: ELLI FEET FROM QUARTER: FROM SECTION LINES: Well No:	SOUTH FROM 350 1H	EAST 2595 Well w 32900990		feet from nea	arest unit or lease boundary. r: 23429 0
	NT ENERGY LLC T PAUL ST STE 400	СО	80206-5140		REX AND LOUIS PO BOX 408 ARNETT	HOLLOW	AY OK	73832

mation(s	(Permit Valid for Listed Fo	rmations Only):			
	Name	Depth	Name	Depth	
1	CLEVELAND	8855	6		
2			7		
3			8		
4			9		
5			10		
cing Orders:	100886	Location Exception Orde	ers:	Increased Density Orders:	
2.40.0.	640122				

Pending CD Numbers: 201902926 Special Orders:

> 201902931 201902932 201902925

Total Depth: 19727 Ground Elevation: 2167 Surface Casing: 601 Depth to base of Treatable Water-Bearing FM: 460

Under Federal Jurisdiction: Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED D. One time land application -- (REQUIRES PERMIT) H. SEE MEMO Chlorides Max: 40000 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?

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: CLOUD CHIEF PERMIT NO: 19-36707

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: CLOUD CHIEF

HORIZONTAL HOLE 1

Sec 25 Twp 18N Rge 25W County ROGER MILLS

Spot Location of End Point: SW SE SE SW
Feet From: SOUTH 1/4 Section Line: 50
Feet From: WEST 1/4 Section Line: 2040

Depth of Deviation: 8868 Radius of Turn: 473

Direction: 185

Total Length: 10115

Measured Total Depth: 19727

True Vertical Depth: 9344

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

MEMO

Category

Description

HYDRAULIC FRACTURING

7/2/2019 - 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

7/2/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - MOSQUITO CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201902925 7/10/2019 - GB1 - (I.O.) 24 & 25-18N-25W

EST MULTIUNIT HORIZONTAL WELL X100886 CLVD 24-18N-25W

X100886 CLVD 24-18N-25W X100886/640122 CLVD 25-18N-25W

50% 24-18N-25W 50% 25-18N-25W NO OP. NAMED

REC. 6/24/2019 (MOORE)

Category Description

PENDING CD - 201902926 7/10/2019 - GB1 - (I.O.) 24 & 25-18N-25W

X100886 CLVD 24-18N-25W

X100886/640122 CLVD 25-18N-25W

COMPL. INT. (24-18N-25W) NCT 165' FNL, NCT 0' FSL, NCT 1320' FWL COMPL. INT. (25-18N-25W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FWL

NO OP. NAMÈD

REC. 6/24/2019 (MOORE)

PENDING CD - 201902931 7/10/2019 - GB1 - 24-18N-25W

X100886 CLVD 3 WELLS NO OP. NAMED

REC. 6/24/2019 (MOORE)

PENDING CD - 201902932 7/10/2019 - GB1 - 25-18N-25W

X100886/640122 CLVD

3 WELLS

NO OP. NAMED

REC. 6/24/2019 (MOORE)

SPACING - 100886 7/10/2019 - GB1 - (640) ALL-18N-25W

EXT OTHERS

EST OTHERS

EXT 82943/88225 CLVD

SPACING - 640122 7/10/2019 - GB1 - (640) 25-18N-25W

CLARIFY 100886 TO DEFINE CLVD TOP AT 8830' AND BASE AT 9922'

