PI NUMBER: 093 25196 rizontal Hole Oil & Gas	OIL & GAS OKLAHO	CORPORATION CONSERVATIO P.O. BOX 52000 MA CITY, OK 73 Rule 165:10-3-1	N DIVISION) 3152-2000		Approval Date: Expiration Date:	01/28/2019 07/28/2020
	F	PERMIT TO DRI	LL			
	-					
WELL LOCATION: Sec: 29 Twp: 20N Rge:	15W County: MAJOR	ł				
SPOT LOCATION: NW NE NW NW	_		EST			
	SECTION LINES:					
	2	20 81	10			
Lease Name: STEWART	Well No: 2	29-20-1H		Well will be 220	feet from near	est unit or lease boundary.
Operator COMANCHE EXPLORATION CO Name:	DITC	Telephone: 4057	555900	отс	/OCC Number:	20631 0
COMANCHE EXPLORATION CO LLC	C			OODRING TRU	JST	
6520 N WESTERN AVE STE 300			101 E. ASH			
OKLAHOMA CITY, OK	73116-7334		P.O. BOX 3	49		
	10110 1004		FAIRVIEW		OK	73737
2 3 4 5 Spacing Orders: ¹³²⁷⁶⁵		7 8 9 10				
Spacing Orders: 132765	Location Exception O	rders:		Increase	d Density Orders:	
Pending CD Numbers: 201900172 201805613				Special	Orders:	
Total Depth: 14411 Ground Elevation:	1731 Surface C	asing: 800		Depth to base	e of Treatable Wat	er-Bearing FM: 440
Under Federal Jurisdiction: No	Fresh Water S	Supply Well Drilled:	No		Surface Water	used to Drill: No
PIT 1 INFORMATION		Appro	ved Method for dis	posal of Drilling Fluid	ls:	
Type of Pit System: CLOSED Closed System Mear	ns Steel Pits					
Type of Mud System: WATER BASED		D. O	ne time land applica	ation (REQUIRES	PERMIT)	PERMIT NO: 19-3610
Chlorides Max: 8000 Average: 5000		H. SE	EE MEMO			
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	l.					
Category of Pit: C						
Liner not required for Category: C						
Liner not required for Category: C Pit Location is AP/TE DEPOSIT						

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
 AP/TE DEPOSIT

 Pit Location Formation:
 TERRACE

HORIZONTAL HOLE 1

Sec	20	Twp	20N	Rge	15W	V C	ounty	MAJOR
Spot	Locatior	n of En	d Point	t: N2	2 1	N2	NW	NW
Feet	From:	NOF	RTH	1/4 Sec	ction	Line:	13	5
Feet	From:	WE:	ST	1/4 Se	ction	Line:	66	0
Depth of Deviation: 8800								
Radiu	is of Tur	n: 48	4					
Direction: 359								
Total Length: 4850								
Measured Total Depth: 14411								
True Vertical Depth: 9292								
End Point Location from Lease,								
Unit, or Property Line: 135								

Notes:	
Category	Description
DEEP SURFACE CASING	1/16/2019 - 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	1/16/2019 - 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
INTERMEDIATE CASING	1/16/2019 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER- PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	1/16/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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. 093 25196 STEWART 29-20-1H

Category	Description
PENDING CD - 201805613	1/28/2019 - GB1 - (I.O.) 20-20N-15W X132765 MRMC, OTHER COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 560' FWL NO OP. NAMED REC. 1/15/2019 (NORRIS)
PENDING CD - 201900172	1/28/2019 - GB1 - 20-20N-15W X132765 MRMC, OTHER 1 WELL COMANCHE EXPLORATION COMPANY, LLC HEARING 2/4/2019
SPACING - 132765	1/28/2019 - GB1 - (640) 20-20N-15W EST OTHER EXT OTHER EXT 128899 MRMC, OTHERS

