PI NUMBER: 093 25132 rizontal Hole Oil & Gas	OIL & GAS OKLAHO	CORPORATION CONSERVATIO P.O. BOX 52000 MA CITY, OK 7 (Rule 165:10-3-1	N DIVISION) 3152-2000	Approval Date: 03/07/2018 Expiration Date: 09/07/2018	
	<u> </u>	PERMIT TO DRI	<u>_L</u>		
WELL LOCATION: Sec: 30 Twp: 20N Rge: 1 SPOT LOCATION: SE SW SW SW	FEET FROM QUARTER: FROM		EST		
Lease Name: WOODRING		30-31-2H		I will be 200 feet from nearest unit or lease bo	undary.
Operator COMANCHE EXPLORATION CO Name:	LLC	Telephone: 4057	555900	OTC/OCC Number: 20631 0	
COMANCHE EXPLORATION CO LLC			WOODRING T		
6520 N WESTERN AVE STE 300			KITTY & MICH	ELLE STEWART	
OKLAHOMA CITY, OK	73116-7334		101 E. ASH SE	, P.O. BOX 349	
	131101334		FAIRVIEW	OK 73737	
2 3 4 5		7 8 9 10			
Spacing Orders: 649817	Location Exception C	orders:		Increased Density Orders:	
Pending CD Numbers: 201800919 201800920				Special Orders:	
	0			Depth to base of Treatable Water-Bearing FM: 410	
Total Depth: 14547 Ground Elevation: 1	Surface C	asing: 800			
Total Depth: 14547 Ground Elevation: 1 Under Federal Jurisdiction: No		asing: 800 Supply Well Drilled:	No	Surface Water used to Drill: No	
		Supply Well Drilled:	No ved Method for disposa	Surface Water used to Drill: No	
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means	Fresh Water S	Supply Well Drilled: Appro	ved Method for dispose	Surface Water used to Drill: No al of Drilling Fluids:	18-3306
Under Federal Jurisdiction: No PIT 1 INFORMATION	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for dispose	Surface Water used to Drill: No	18-3396
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below b	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for disposa	Surface Water used to Drill: No al of Drilling Fluids:	18-3396
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for disposa	Surface Water used to Drill: No al of Drilling Fluids:	18-3396
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N Wellhead Protection Area? N	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for disposa	Surface Water used to Drill: No al of Drilling Fluids:	18-3396
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area.	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for disposa	Surface Water used to Drill: No al of Drilling Fluids:	18-3396
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for disposa	Surface Water used to Drill: No al of Drilling Fluids:	18-3396
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area.	Fresh Water S	Supply Well Drilled: Appro D. O	ved Method for disposa	Surface Water used to Drill: No al of Drilling Fluids:	18-3396

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	31	Twp	20N	Rge	15W	Co	ounty	MAJOR
Spot I	Locatior	of En	d Point	t: S2	2 S2	2	SW	SW
Feet I	From:	SOL	JTH	1/4 Sec	ction Li	ne:	13	5
Feet I	From:	WE	ST	1/4 Sec	ction Li	ne:	66	0
Depth of Deviation: 7959								
Radius of Turn: 1100								
Direction: 178								
Total Length: 4860								
Measured Total Depth: 14547								
True Vertical Depth: 9515								
End Point Location from Lease,								
Unit, or Property Line: 135								

Notes:	
Category	Description
DEEP SURFACE CASING	2/27/2018 - 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	2/27/2018 - 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
INTERMEDIATE CASING	2/27/2018 - 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	2/27/2018 - 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 25132 WOODRING 30-31-2H

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Category	Description
PENDING CD - 201800919	3/6/2018 - G57 - (I.O.) 31-20N-15W X649817 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 2-26-2018 (M. PORTER)
PENDING CD - 201800920	3/6/2018 - G57 - 31-20N-15W X649817 MSSP 1 WELL NO OP. NAMED REC 2-26-2018 (MILLER)
SPACING - 649817	2/27/2018 - G57 - (640)(HOR) 31-20N-15W EXT 610999 MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER #69016/69064 CSTR, ORDER #176503 MSSLM)