PI NUMBER: 073 26079 rizontal Hole Oil & Gas	OIL & GAS CON P.O. OKLAHOMA	PORATION COMMISSION NSERVATION DIVISION BOX 52000 CITY, OK 73152-2000 e 165:10-3-1)	
	PER	MIT TO DRILL	
WELL LOCATION: Sec: 25 Twp: 15N Rge: 9W	County: KINGFISHER	र	
SPOT LOCATION: SE SW SE SE F	EET FROM QUARTER: FROM SOUT	H FROM EAST	
s	ECTION LINES: 310	820	
Lease Name: LORETTA	Well No: 1-25H		Well will be 310 feet from nearest unit or lease boundary.
Operator CIMAREX ENERGY CO Name:	Tel	lephone: 9185851100	OTC/OCC Number: 21194 0
CIMAREX ENERGY CO 202 S CHEYENNE AVE STE 1000		JAMES WI	ITTROCK, ET AL
		26283 NO	RTH 2770 ROAD
TULSA, OK 7	4103-3001	KINGFISH	ER OK 73750
1 MISSISSIPPIAN 2 3 4 5		6 7 8 9 10	
Spacing Orders: 643680	Location Exception Orders:		Increased Density Orders:
Pending CD Numbers: 201803551			Special Orders:
Total Depth: 14451 Ground Elevation: 1197	Surface Casin	ıg: 1500	Depth to base of Treatable Water-Bearing FM: 470
Under Federal Jurisdiction: No	Fresh Water Supply	v Well Drilled: No	Surface Water used to Drill: No
PIT 1 INFORMATION		Approved Method for di	isposal of Drilling Fluids:
Type of Pit System: CLOSED Closed System Means Stee	el Pits		
Type of Mud System: WATER BASED		D. One time land appli	ication (REQUIRES PERMIT) PERMIT NO: 18-3456
Chlorides Max: 5000 Average: 3000		H. CLOSED SYSTEM	=STEEL PITS (REQUIRED - DEAD INDIAN CREEK)
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 not located in a Hydrologically Sensitive Area.			
Category of Pit: C			
Liner not required for Category: C			
Pit Location is NON HSA			

HORIZONTAL HOLE 1

Sec 25 Twp 15N Rge 9W Court Spot Location of End Point: NW NE N Feet From: NORTH 1/4 Section Line: Feet From: EAST 1/4 Section Line: Depth of Deviation: 8567 Radius of Turn: 573 Direction: 5 Total Length: 4984 Measured Total Depth: 14451 True Vertical Depth: 10245 End Point Location from Lease, Unit, or Property Line: 150	
Notes:	
Category	Description
DEEP SURFACE CASING	5/29/2018 - 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	5/29/2018 - 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	5/29/2018 - 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
PENDING CD - 201803551	5/29/2018 - G57 - (I.O.) 25-15N-9W X643680 MSSP COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC 5-21-2018 (FOREMAN)
SPACING - 643680	5/29/2018 - G57 - (640) 25-15N-9W EXT OTHER EST MSSP POE TO BHL (MSSP) NCT 660' FB (COEXIST WITH SP. ORDER 149991 CSTCU, SP. ORDER 430693 CRLMC, SP. ORDER 148798 MNNG, SP. ORDER 166936 MSSSD)

