API NUMBER: 011 24341

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

Approval Date: 12/05/2022

Expiration Date: 06/05/2024

Horizontal Hole Oil & Gas

PERMIT TO DRILL

			-				
WELL LOCATION:	Section: 16	Township: 15N	Range: 11W Cour	ty: BLAINE			
SPOT LOCATION:	NE SE S	SE SW FEET FRO	QUARTER: FROM SOU	TH FROM WEST			
		SEC	TION LINES: 455	2593			
Lease Name:	REDWOOD 21-15N-	11W	Well No: 2H		Well will be 455	feet from nearest unit or lease boundary.	
Operator Name:	DEVON ENERGY P	RODUCTION CO LP	Telephone: 4052	353611; 4052353611;		OTC/OCC Number: 20751 0	
			relephone. 4002	333011, 4032333011,			
DEVON ENERGY PRODUCTION CO LP				RODNEY E. C	OWAN		
333 W SHERIDAN AVE				85651 N. 2610	RD.		
OKLAHOMA CITY, OK 73102-5015			WATONGA		OK 73772		
	,	3		WATONGA		OK 13112	
Formation(s)	(Permit Valid fo	r Listed Formations (Only):				
Name		Code	Depth				
1 MISSISSIPPIA	AN	359MSSP	9600				
2 WOODFORD		319WDFD	12000				
Spacing Orders: 6	661836		Location Exception C	rders: 722981	Ir	ncreased Density Orders: 722696	
Pending CD Numbers: No Pending Working interest owners' notified: *** Special Orders: No Special							
140 i Criding						·	
Total Depth: 17310 Ground Elevation: 1451 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 60						e of Treatable Water-Bearing FM: 60	
					I	Deep surface casing has been approved	
Under Federal Jurisdiction: Yes				Approved Method t	Approved Method for disposal of Drilling Fluids:		
Fresh Water Supply Well Drilled: No				D. One time land ap	D. One time land application (REQUIRES PERMIT) PERMIT NO: 22-38750		
Surface Water used to Drill: Yes			H. (Other)	SEE M	MEMO		
					"	,	
PIT 1 INFORMATION					Category of Pit: C Liner not required for Category: C		
Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED					cation is: ALLUVIAL		
Chlorides Max: 8000 Average: 5000					ormation: ALLUVIUM		
	_	eater than 10ft below base of	f pit? Y				
Within 1 mi	ile of municipal water	well? N					
,	Wellhead Protection	Area? N					
Pit <u>is</u> loc	cated in a Hydrologica	ally Sensitive Area.					
PIT 2 INFORMATION Type of Pit System: CLOSED, Closed System Mages Steel Pits				Catego Liner not required	ory of Pit: C		
Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: OIL BASED					cation is: ALLUVIAL		
Chlorides Max: 300000 Average: 200000					ormation: ALLUVIUM		
	=	eater than 10ft below base o	of pit? Y	. it Location PC			
•	ile of municipal water		. p 1				
	Wellhead Protection						
	cated in a Hydrologica						

HORIZONTAL HOLE 1

Section: 21 Township: 15N Range: 11W Meridian: IM Total Length: 5633

County: BLAINE Measured Total Depth: 17310

Spot Location of End Point: S2 SW SW SW True Vertical Depth: 12000

Feet From: SOUTH 1/4 Section Line: 50 End Point Location from Feet From: WEST 1/4 Section Line: 330 Lease,Unit, or Property Line: 50

NOTES:					
Category	Description				
DEEP SURFACE CASING	[12/5/2022 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.				
HYDRAULIC FRACTURING	[12/5/2022 - GC2] - OCC 165:10-3-10 REQUIRES:				
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;				
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; AND,				
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG				
INCREASED DENSITY - 722696	[12/5/2022 - G56] - 21-15N-11W X661836 MSSP 4 WELLS DEVON ENERGY PROD CO, LP 1/7/2022				
INTERMEDIATE CASING	[12/5/2022 - GC2] - 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				
LOCATION EXCEPTION - 722981	[12/5/2022 - G56] - (I.O.) 21-15N-11W X661836 MSSP, WDFD COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FWL DEVON ENERGY PROD CO, LP 1/21/2022				
MEMO	[12/5/2022 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT				
SPACING - 661836	[12/5/2022 - G56] - (640)(HOR) 21-15N-11W EXT 649479 MSSP, WDFD COMPL INT (MSSP) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL				