API NUMBER:	011	24358	

Oil & Gas

Multi Unit

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

Approval Date: 03/27/2023 Expiration Date: 09/27/2024

PERMIT TO DRILL

WELL LOCATION: Section:										
	30 Townsh	ip: 18N Rar	nge: 13W	County: E	LAINE					
SPOT LOCATION: SW	E SE NE	FEET FROM QUAP	TER: FROM	NORTH	FROM EAST					
		SECTION L	INES:	2400	645					
Lease Name: TEMANKE	NORTH		Well No:	19-30-1XI	1	Well will be	645	feet from ne	earest unit o	r lease boundary.
Operator Name: DERBY EXF	PLORATION LLC		Telephone	40520245	35			OTC/C	OCC Numb	er: 24143 0
DERBY EXPLORATION	I LLC				BRANDON C	WEBB & CAR	I L. WEI	BB		
PO BOX 779					251712 E. 71	0 ROAD				
OKLAHOMA CITY,	OK	73101-0779)		WATONGA			ОК	73772	
Formation(s) (Permit V	alid for Listed Fo		-							
1 MISSISSIPPIAN		ae MSSP	Depth 9123							
2 WOODFORD		9WDFD	9123 10740							
Spacing Orders: 729086 728905		L	ocation Exce	otion Orders	No Exception	ns	Incr	eased Densi	ty Orders:	No Density
		_			s' notified: ***			Specia	al Orders:	No Special
Pending CD Numbers: 202202 202202			working in	terest owner	s' notified:					
Total Depth: 18350	Ground Elevation:	1705	Surface	Casing:	400	Depth	to base of	Treatable W	ater-Bearing	FM: 150
Total Depth: 18350 Under Federal Jurisc		1705	Surface	Casing:		Depth for disposal of Drii			ater-Bearing	FM: 150
Under Federal Jurisc Fresh Water Supply Well [diction: No Drilled: No	1705	Surface	Casing:	Approved Method		lling Fluid	s:		FM: 150
Under Federal Jurisc	diction: No Drilled: No	1705	Surface	Casing:	Approved Method	for disposal of Dri	lling Fluid	s: /IIT)		
Under Federal Jurisc Fresh Water Supply Well [diction: No Drilled: No	: 1705	Surface	Casing:	Approved Method D. One time land a H. (Other)	for disposal of Dri	lling Fluid RES PERM	s: /IIT)		
Under Federal Jurisc Fresh Water Supply Well I Surface Water used t	diction: No Drilled: No to Drill: Yes			Casing:	Approved Method D. One time land a H. (Other)	for disposal of Dril oplication (REQUI gory of Pit: C	lling Fluid RES PERM	s: /IIT)		
Under Federal Jurisc Fresh Water Supply Well D Surface Water used t PIT 1 INFORMATION Type of Pit System: 0 Type of Mud System: 0	diction: No Drilled: No to Drill: Yes CLOSED Closed Sys WATER BASED			Casing:	Approved Method D. One time land a H. (Other) Categ Liner not required Pit Lo	for disposal of Dril oplication (REQUI Jory of Pit: C d for Category: C ocation is: BED A	Iling Fluid RES PERM SEE MEM	s: /IIT)		
Under Federal Jurisc Fresh Water Supply Well D Surface Water used t PIT 1 INFORMATION Type of Pit System: 0 Chlorides Max: 8000 Average: 5	diction: No Drilled: No to Drill: Yes CLOSED Closed Sys WATER BASED 5000	stem Means Steel Pi	ts	Casing:	Approved Method D. One time land a H. (Other) Categ Liner not required Pit Lo	for disposal of Dril oplication (REQUI gory of Pit: C d for Category: C	Iling Fluid RES PERM SEE MEM	s: /IIT)		
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Under Federal Jurisc Fresh Water Supply Well D Surface Water used t PIT 1 INFORMATION Type of Pit System: 0 Type of Mud System: 1 Chlorides Max: 8000 Average: 2 Is depth to top of ground Within 1 mile of municip	diction: No Drilled: No to Drill: Yes CLOSED Closed Sys WATER BASED 5000 water greater than 10 pal water well? N	stem Means Steel Pi	ts	Casing:	Approved Method D. One time land a H. (Other) Categ Liner not required Pit Lo	for disposal of Dril oplication (REQUI Jory of Pit: C d for Category: C ocation is: BED A	Iling Fluid RES PERM SEE MEM	s: /IIT)		
Under Federal Jurisd Fresh Water Supply Well I Surface Water used t PIT 1 INFORMATION Type of Pit System: 0 Type of Mud System: 1 Chlorides Max: 8000 Average: 4 Is depth to top of ground Within 1 mile of municip Wellhead Pro	diction: No Drilled: No to Drill: Yes CLOSED Closed Sys WATER BASED 5000 water greater than 10 bal water well? N otection Area? N	stem Means Steel Pi)ft below base of pit?	ts	Casing:	Approved Method D. One time land a H. (Other) Categ Liner not required Pit Lo	for disposal of Dril oplication (REQUI Jory of Pit: C d for Category: C ocation is: BED A	Iling Fluid RES PERM SEE MEM	s: /IIT)		
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This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

MULTI UNIT HOLE 1			
Section: 19 Township: 18N Rat	nge: 13W Meridian: IM	Total Length:	7533
County: BLAINE		Measured Total Depth:	18350
Spot Location of End Point: NW NE	NE NE	True Vertical Depth:	11000
Feet From: NORTH	1/4 Section Line: 50	End Point Location from	
Feet From: EAST	1/4 Section Line: 430	Lease, Unit, or Property Line:	50

NOTES:	
Category	Description
HYDRAULIC FRACTURING	[3/16/2023 - 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
INTERMEDIATE CASING	[3/16/2023 - 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
MEMO	[3/16/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202202751	[3/22/2023 - G56] - (E.O.) 19 & 30-18N-13W EST MULTIUNIT HORIZONTAL WELL X729086 MSSP, WDFD 19-18N-13W X728905 MSSP, WDFD 30-18N-13W (WDFD IS ADJACENT CSS TO MSSP) 66% 19-18N-13W 34% 30-18N-13W NO OP NAMED REC 3/10/2023 (NORRIS)
PENDING CD - 202202760	[3/27/2023 - G56] - (E.O.) 19 & 30-18N-13W X729086 MSSP, WDFD 19-18N-13W X728905 MSSP, WDFD 30-18N-13W COMPL INT (19-18N-13W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL COMPL INT (30-18N-13W) NCT 2640' FSL, NCT 0' FNL, NCT 330' FEL NO OP NAMED REC 3/10/2023 (NORRIS)
SPACING - 728905	[3/22/2023 - G56] - (640)(HOR) 30-18N-13W VAC 269914 CSTR, MSSLM, KDRK EXT 724872 MSSP, WDFD, OTHERS COMPL INT (MSSP) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP # 269914 WDFD)
SPACING - 729086	[3/22/2023 - G56] - (640)(HOR) 19-18N-13W EXT 693879 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SURFACE CASING	[3/16/2023 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 32-18N-13W

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