PI NUMBER: 153 23639	OIL & GAS (OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000		Approval Date: 11/08/2018 Expiration Date: 05/08/2020	
orizontal Hole Oil & Gas		Rule 165:10-3-1)		. 03/08/2020	
	PI	ERMIT TO DRILL			
WELL LOCATION: Sec: 16 Twp: 23N		/ARD			
SPOT LOCATION: NE SW SE	SE FEET FROM QUARTER: FROM SC SECTION LINES: 36	DUTH FROM EAST 0 750			
Lease Name: DALE THOMAS	Well No: 1-	16H	Well will be 360 feet from near	rest unit or lease boundary.	
Operator BMR II LLC Name:		Telephone: 7206939470	OTC/OCC Number:	24173 0	
BMR II LLC		W. DALE	THOMAS AND VIOLET J THO	MAS	
1202 BERGEN PKWY STE 212		37295 SC	37295 SCR 199		
EVERGREEN,	CO 80439-9559	WOODW	ARD OK	73801	
1 MISSISSIPPIAN 2 3 4 5	8256	6 7 8 9 10			
Spacing Orders: No Spacing	Location Exception Ord	ders:	Increased Density Orders:		
Pending CD Numbers: 201802342			Special Orders:		
Total Depth: 13893 Ground Elev	vation: 2103 Surface Ca	sing: 1000	Depth to base of Treatable War	ter-Bearing FM: 390	
Under Federal Jurisdiction: No	Fresh Water Su	pply Well Drilled: No	Surface Water	used to Drill: Yes	
PIT 1 INFORMATION		Approved Method for	disposal of Drilling Fluids:		
Type of Pit System: CLOSED Closed System Type of Mud System: WATER BASED	n Means Steel Pits	D. One time land ap	plication (REQUIRES PERMIT)	PERMIT NO: 18-3551	
Chlorides Max: 8000 Average: 3000		H. SEE MEMO	H. SEE MEMO		
Is depth to top of ground water greater than 10f Within 1 mile of municipal water well? N	t below base of pit? Y				
Wellhead Protection Area? N					
Pit is located in a Hydrologically Sensitiv	ve Area.				
Category of Pit: C					
Liner not required for Category: C					
Pit Location is AP/TE DEPOSIT					
Pit Location Formation: TERRACE					

PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: OIL BASED Chlorides Max: 70000 Average: 40000 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? Ν is located in a Hydrologically Sensitive Area. Pit Category of Pit: C Liner not required for Category: C

Pit Location is AP/TE DEPOSIT Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 16 Twp 23N Rge 22W Cour	nty WOODWARD
Spot Location of End Point: C NI	E NE
Feet From: NORTH 1/4 Section Line:	660
Feet From: EAST 1/4 Section Line:	660
Depth of Deviation: 9250	
Radius of Turn: 620	
Direction: 2	
Total Length: 3669	
Measured Total Depth: 13893	
True Vertical Depth: 8256	
End Point Location from Lease,	
Unit, or Property Line: 660	
Notes:	
Category	Description
DEEP SURFACE CASING	10/19/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	10/19/2018 - GA8 - 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
MEMO	10/19/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

PENDING CD - 201802342

11/8/2018 - G58 - (640)(HOR) 16-23N-22W VAC 113422 CSTR VAC 124259 MRMC EST MSSP POE TO BHL NCT 660' FB

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

153 23639 DALE THOMAS 1-16H

