API NUMBER: 045 23864

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

Approval Date: 05/31/2022 Expiration Date: 11/30/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION:	Section: 05	Township	p: 18N	Range:	24W	County: E	ELLIS					
SPOT LOCATION:	NW SW SI	SW	FEET FF	ROM QUARTER:	FROM	SOUTH	FROM WEST					
			S	SECTION LINES:		650	1525					
Lease Name:	THELMA 8/17 DM			,	Well No:	3H		Well will be	650	feet from nearest un	it or lease	boundary.
Operator Name:	MEWBOURNE OIL C	OMPANY		Те	lephone:	90356129	00			OTC/OCC Nui	mber:	6722 0
MEWBOURN	IE OIL COMPANY	,					PATRICIA K	RIER AND GER	ALD KF	RIER, JOINT TEN	IANTS	
3620 OLD BU	JLLARD RD						974 CR X					
TYLER,		TX	75701	-8644			ASHLAND			KS 67831		
,		.,,					ASITEAND			10 07031		
Formation(s)	(Permit Valid for	Listed Fo	ormations	Only):								
Name		Cod	le	D	epth							
1 CHEROKEE		404	CHRK	9	880							
Spacing Orders:	599494 585788			Locati	on Excep	otion Orders	No Except	ions	Inc	reased Density Orders	No [Density
Pending CD Numb	ers: 202201901			W	orkina int	erest owne	rs' notified: ***			Special Orders:	No S	Special
3	202201903				3							
	202201904											
	202201905											
Total Donth: 3	21605 Group	d Elevation:	2268	9	rfaco (Pacina:	1000	Denth	to hase o	f Treatable Water-Rea	ing FM:	560
Total Depth: 2	21605 Groun	d Elevation:	2268	Su	rface (Casing:	1999	Depth		f Treatable Water-Bear		
Total Depth: 2	21605 Groun	d Elevation:	2268	Su	rface (Casing:	1999	Depth		f Treatable Water-Bear eep surface casir		
Under	Federal Jurisdiction: N	lo	2268	Su	rface (Casing:		Depth	D	eep surface casir		
Under Fresh Wate	Federal Jurisdiction: N	lo lo	2268	Su	rface (Casing:	Approved Metho	·	Do	eep surface casir	g has b	
Under Fresh Wate	Federal Jurisdiction: N	lo lo	2268	Su	rface (Casing:	Approved Metho	od for disposal of Dri	Do	eep surface casir ds: MIT) PE	g has b	een approved
Under Fresh Wate Surface	Federal Jurisdiction: Nr Supply Well Drilled: Nr e Water used to Drill: Nr e Water used to Drill	lo lo	2268	Su	rface (Casing:	Approved Method D. One time land H. (Other)	od for disposal of Dri application (REQUI	Do	eep surface casir ds: MIT) PE	g has b	een approved
Under Fresh Wate Surface	Federal Jurisdiction: Nor Supply Well Drilled: North Water used to Drill: North MATION	lo lo lo			rface (Casing:	Approved Method D. One time land H. (Other)	od for disposal of Dri application (REQUI egory of Pit: C	Do	eep surface casir ds: MIT) PE	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of	Federal Jurisdiction: Nr Supply Well Drilled: Nr e Water used to Drill: Nr e Water used to Drill	lo lo lo Closed Sys			rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not require	od for disposal of Dri application (REQUI	Di Iling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of Type of M	Federal Jurisdiction: No supply Well Drilled: No e Water used to Drill: No matter was a supply with the water used to Drill: No matter was a supply with the water was a supply with the water was a supply was a sup	lo lo lo Closed Sys			rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not requir	application (REQUI	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of Type of M Chlorides Max: 80	Federal Jurisdiction: Note that the state of	lo lo lo Closed Syst	tem Means \$	Steel Pits	rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not requir	application (REQUI egory of Pit: C red for Category: C Location is: AP/TE	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of Type of M Chlorides Max: 80 Is depth to	Federal Jurisdiction: r Supply Well Drilled: Pe Water used to Drill: MATION Pit System: CLOSED ud System: WATER B 000 Average: 5000	lo lo Closed Syst	tem Means \$	Steel Pits	rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not requir	application (REQUI egory of Pit: C red for Category: C Location is: AP/TE	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of Type of M Chlorides Max: 80 Is depth to	Federal Jurisdiction: In Supply Well Drilled: In Water used to Drill: MATION Pit System: CLOSED ud System: WATER B 2000 Average: 5000 top of ground water gre	Closed Syst ASED ater than 10f	tem Means \$	Steel Pits	rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not requir	application (REQUI egory of Pit: C red for Category: C Location is: AP/TE	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1	Federal Jurisdiction: In Supply Well Drilled: In Water used to Drill: MATION Pit System: CLOSED ud System: WATER B 2000 Average: 5000 top of ground water green mile of municipal water	Closed SystasED ater than 10fevell? N	tem Means \$	Steel Pits	rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not requir	application (REQUI egory of Pit: C red for Category: C Location is: AP/TE	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1	Federal Jurisdiction: In Supply Well Drilled: In Water used to Drill: MATION Pit System: CLOSED ud System: WATER B 2000 Average: 5000 top of ground water gree mile of municipal water water wellhead Protection A cocated in a Hydrological	Closed SystasED ater than 10fevell? N	tem Means \$	Steel Pits	rface (Casing:	Approved Methor D. One time land H. (Other) Cat Liner not requir Pit Pit Location	application (REQUI egory of Pit: C red for Category: C Location is: AP/TE	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 Pit is lo	Federal Jurisdiction: In Supply Well Drilled: In Water used to Drill: MATION Pit System: CLOSED ud System: WATER B 2000 Average: 5000 top of ground water gree mile of municipal water water wellhead Protection A cocated in a Hydrological	Closed Systems ASED atter than 10fe vell? N rea? N y Sensitive A	tem Means \$ it below base Area.	Steel Pits e of pit? Y	rface (Casing:	Approved Methor D. One time land H. (Other) Cat Liner not requir Pit Pit Location	egory of Pit: C red for Category: C Location is: AP/TE Pormation: TERRA	Dilling Fluid RES PER SEE ME	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 Pit is le PIT 2 INFOR Type of	Federal Jurisdiction: Note that the second of the second o	Closed Systems of the control of the	tem Means \$ it below base Area.	Steel Pits e of pit? Y	rface (Casing:	Approved Method D. One time land H. (Other) Cat Liner not requir Pit Pit Location	egory of Pit: C Location : TERRA egory of Pit: C red for Category: C Location is: AP/TE Location: TERRA	Dilling Fluid RES PER SEE ME DEPOSIT	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 Pit is Is PIT 2 INFOR Type of M Chlorides Max: 30 Chlorides Max: 30	Federal Jurisdiction: Nor Supply Well Drilled: Nor Supply Well Drilled: Nor Supply Well Drilled: Nor Supply Well Drilled: Nor Supply Water was a supply with the supply water of the suppl	Closed Systems ASED atter than 10fe vell? No rea? No y Sensitive ASED	tem Means \$ ft below base Area. tem Means \$	Steel Pits e of pit? Y Steel Pits	rface (Casing:	Approved Methor D. One time land H. (Other) Cat Liner not requir Pit Pit Location Cat Liner not requir	egory of Pit: C red for Category: C Location : TERRA regory of Pit: C red for Category: C Location is: AP/TE red for Category: C	Dilling Fluic RES PER SEE ME DEPOSIT ACE	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 Pit is Is PIT 2 INFOR Type of M Chlorides Max: 30 Chlorides Max: 30	Federal Jurisdiction: Nor Supply Well Drilled: Nor Supply Well Drilled: Nor Supply Well Drilled: Nor Supply Well Drilled: Nor Supply Water was a supply with the supply with the supply water was a supply with the supply water wat	Closed Systems ASED atter than 10fe vell? No rea? No y Sensitive ASED	tem Means \$ ft below base Area. tem Means \$	Steel Pits e of pit? Y Steel Pits	rface (Casing:	Approved Methor D. One time land H. (Other) Cat Liner not requir Pit Pit Location Cat Liner not requir	egory of Pit: C Location : TERRA egory of Pit: C red for Category: C Location is: AP/TE red for Category: C Location: TERRA	Dilling Fluic RES PER SEE ME DEPOSIT ACE	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 Pit is Id PIT 2 INFOR Type of M Chlorides Max: 30 Is depth to	Federal Jurisdiction: In Supply Well Drilled: In Supply Well Drilled: In Water used to Drill: In Water used to Drill:	Closed Systems ASED atter than 10f vell? N y Sensitive A Closed Systems D atter than 10f vell? N	tem Means \$ ft below base Area. tem Means \$	Steel Pits e of pit? Y Steel Pits	rface (Casing:	Approved Methor D. One time land H. (Other) Cat Liner not requir Pit Pit Location Cat Liner not requir	egory of Pit: C Location : TERRA egory of Pit: C red for Category: C Location is: AP/TE red for Category: C Location: TERRA	Dilling Fluic RES PER SEE ME DEPOSIT ACE	eep surface casir Is: MIT) PE MO	g has b	een approved
Under Fresh Wate Surface PIT 1 INFOR Type of M Chlorides Max: 80 Is depth to Within 1 Pit is Id PIT 2 INFOR Type of M Chlorides Max: 30 Is depth to	Federal Jurisdiction: In Supply Well Drilled: In Supply Well Drilled: In Water used to Drill: In Water used to Drill:	Closed Systems ASED atter than 10f vell? N y Sensitive A Closed Systems D atter than 10f vell? N	tem Means \$ ft below base Area. tem Means \$	Steel Pits e of pit? Y Steel Pits	rface (Casing:	Approved Methor D. One time land H. (Other) Cat Liner not requir Pit Pit Location Cat Liner not requir	egory of Pit: C Location : TERRA egory of Pit: C red for Category: C Location is: AP/TE red for Category: C Location: TERRA	Dilling Fluic RES PER SEE ME DEPOSIT ACE	eep surface casir Is: MIT) PE MO	g has b	een approved

MULTI UNIT HOLE 1

Section: 17 Township: 18N Range: 24W Meridian: IM Total Length: 9945

> County: ELLIS Measured Total Depth: 21605

> > True Vertical Depth: 9880

Spot Location of End Point: E2 SW SW SW

> Feet From: SOUTH 1/4 Section Line: 330 End Point Location from Lease, Unit, or Property Line: 330 Feet From: WEST 1/4 Section Line: 490

NOTES:	
Category	Description
DEEP SURFACE CASING	[5/20/2022 - GC2] - 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	[5/20/2022 - 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; 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
MEMO	[5/20/2022 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - MOSQUITO CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202201901	[5/31/2022 - G56] - (E.O.) 8 & 17-18N-24W EST MULTIUNIT HORIZONTAL WELL X599494 CHRK 8-18N-24W X585788 CHRK 17-18N-24W 50% 8-18N-24W 50% 17-18N-24W NO OP NAMED REC 5/26/2022 (HUBER)
PENDING CD - 202201903	[5/31/2022 - G56] - (E.O.) 8 & 17-18N-24W X599494 CHRK 8-18N-24W X585788 CHRK 17-18N-24W COMPL INT (8-18N-24W) NCT 330' FNL, NCT 0' FSL, NCT 440' FWL COMPL INT (17-18N-24W) NCT 0' FNL, NCT 330' FSL, NCT 440' FWL NO OP NAMED REC 5/26/2022 (HUBER)
PENDING CD - 202201904	[5/31/2022 - G56] - (E.O.) 8-18N-24W X599494 CHRK 2 WELLS NO OP NAMED REC 5/26/2022 (HUBER)
PENDING CD - 202201905	[5/31/2022 - G56] - (E.O.) 17-18N-24W X585788 CHRK 2 WELLS NO OP NAMED REC 5/26/2022 (HUBER)
SPACING - 585788	[5/31/2022 - G56] - (640)(HOR) 17-18N-24W EST CHRK, OTHERS COMPL INT NCT 660' FB
SPACING - 599494	[5/31/2022 - G56] - (640)(HOR) 8-18N-24W EST CHRK, OTHERS COMPL INT NCT 660' FB (COEXIST WITH PROD NON HOR DR & SP UNITS, SUPERCEDE NON DEVELOPED NON HOR DR & SP UNITS)

