

API NUMBER: 087 22367 A

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

Approval Date: 06/08/2022
Expiration Date: 12/08/2023

Multi Unit Oil & Gas

Amend reason: RELOCATE SHL & BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 31 Township: 6N Range: 1W County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 291 2072

Lease Name: MCPHERSON MU48-53 31-06-07 Well No: 4HEX Well will be 291 feet from nearest unit or lease boundary.

Operator Name: LRR IV OPERATING INC Telephone: 7132929510 OTC/OCC Number: 24554 0

LRR IV OPERATING INC
1111 BAGBY STREET STE 4600
HOUSTON, TX 77002

JUDY MCPHERSON TRUSTEE OF THE JUDY M. MCPHERSON
LIVING TRUST
25562 SOONER AVE
PURCELL OK 73080

Formation(s) (Permit Valid for Listed Formations Only):

Name	Code	Depth
1 WOODFORD	319WDFD	7154

Spacing Orders: 724694 Location Exception Orders: 724697 Increased Density Orders: 724547
658396 724449
658401 724546
681311

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 23500 Ground Elevation: 1097 Surface Casing: 250 Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

F. Haul to Commercial soil farming facility	Sec. 1 Twn. 7S Rng. 3E Cnty. 85 Order No: 549455
H. (Other)	CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: ALLUVIAL

Pit Location Formation: ALLUVIUM

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 7	Township: 5N	Range: 1W	Meridian: IM	Total Length: 11115	
County: MCCLAIN				Measured Total Depth: 23500	
Spot Location of End Point: NW		SE	NW	NE	True Vertical Depth: 7200
Feet From: NORTH		1/4 Section Line: 697			End Point Location from
Feet From: EAST		1/4 Section Line: 1882			Lease,Unit, or Property Line: 697

Additional Surface Owner(s)	Address	City, State, Zip
JUDY MCPHERSON TRUSTEE OF THE JUDY M. MCPHERSON LIVING TRUST	25562 SOONER AVE	PURCELL, OK 73080

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[5/26/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
INCREASED DENSITY - 724449	<p>[6/6/2022 - G56] - 6-5N-1W X658401 WDFD 3 WELLS LRR IV OP INC 3/29/2022</p>
INCREASED DENSITY - 724546	<p>[10/5/2022 - G56] - 7-5N-1W X681311 WDFD 3 WELLS LRR IV OP INC 3/29/2022</p>
INCREASED DENSITY - 724547	<p>[6/6/2022 - G56] - 31-6N-1W X658396 WDFD 3 WELLS LRR IV OP INC 3/29/2022</p>
LOCATION EXCEPTION - 724697	<p>[6/6/2022 - G56] - (I.O.) 6 & 7-5N-1W & 31-6N-1W X658401 WDFD 6-5N-1W X681311 WDFD 7-5N-1W*** X658396 WDFD 31-6N-1W COMPL INT (31-6N-1W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (6-5N-1W) NCT 0' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (7-5N-1W) NCT 0' FNL, NCT 990' FNL, NCT 330' FEL LRR IV OP INC 4/5/2022</p>
SPACING - 658396	<p>[6/6/2022 - G56] - (640)(HOR) 31-6N-1W EST WDFD, OTHERS COMPL INT NCT 165' FNL & FSL, NCT 330' FEL & FWL</p>
SPACING - 658401	<p>[6/6/2022 - G56] - (640) 6-5N-1W EST WDFD, OTHERS COMPL INT NCT 165' FNL & FSL, NCT 330' FEL & FWL</p>
SPACING - 681311	<p>[6/6/2022 - G56] - (640)(HOR) 7-5N-1W VAC 615300 WDFD N2 NE4 VAC 616923 WDFD NW4, W2 SW4 EXT 634765 WDFD COMPL INT NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST WITH SP # 615300 S2 NE, # 616923 E2 SW4)</p>
SPACING - 724694	<p>[6/6/2022 - G56] - (I.O.) 6 & 7-5N-1W & 31-6N-1W EST MULTIUNIT HORIZONTAL WELL X658401 WDFD 6-5N-1W X681311 WDFD 7-5N-1W X658396 WDFD 31-6N-1W 33% 31-6N-1W 34% 6-5N-1W 33% 7-5N-1W LRR IV OP INC 4/5/2022</p>

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.

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