

Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-41347
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Merchant Livestock 24 State Com
8. Well Number 2H
9. OGRID Number 372165
10. Pool name or Wildcat Ojo Chiso; Bone Spring South
4. Well Location Unit Letter N : 40 feet from the South line and 1700 feet from the West line Section 24 Township 22S Range 34E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3476 GL

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
CENTENNIAL RESOURCE PRODUCTION, LLC

3. Address of Operator
1001 17TH ST SUITE 1800 DENVER, CO 80202

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☒	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Centennial Resource Production, LLC Performed a re-frac on the subject well on 4/29/22, please see attached and below of the work performed:

Oil (BBLs) Gas (MCF) Water (BBLs)

Production 30-day average prior to frac: 29 57 20

Production after frac operations: 121 107 1,248

Total Shots: 692

Size of shots: 0.42"

Type/Quantity of material used: 6,012,846 gals slick water & 6,977,495 # 100 mesh sand

Spud Date:

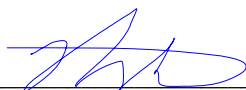
11/19/2013

Rig Release Date:

12/29/2013

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



TITLE Sr. Regulatory Analyst

DATE 6/28/22

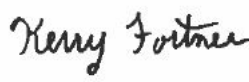
Type or print name Meghan Twele

E-mail address: Meghan.Twele@cdevinc.com

PHONE: 720-499-1531

For State Use Only

APPROVED BY:



TITLE

Compliance Officer A

DATE 4/11/23

Conditions of Approval



Stimulation Report

Well Name: MERCHANT LIVESTOCK 24 STATE COM 2H

Stimulations Summary

Type Sand Frac	Subtype	Start Date 4/29/2022	End Date	Stim/Treat Company NOT IN LIST	Diversion Company	Job RECOMPLETE, 4/27/2022 06:00	Perf-Perf 4,086
Number of Treatment Intervals 11		Clean Rate Avg (gpm)			Clean Rate Max (gpm)		

Stage Summary

1, PROPPED FRAC

Stage Number 1	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 14,067.0	Bottom Depth (ftKB) 15,855.0	Start Date 4/29/2022	End Date 4/30/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 70,791.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,233.0	Treat Pressure Max (psi) 7,625.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.434
Comment							

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	417,180.00	
WATER - PUMPDOWN	0.00	
PRODUCED WATER	2,556,036.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

2, PROPPED FRAC

Stage Number 2	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 12,581.0	Bottom Depth (ftKB) 14,067.0	Start Date 5/3/2022	End Date 5/3/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 40,110.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,774.0	Treat Pressure Max (psi) 8,584.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.765
Comment							

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	0.00	
PRODUCED WATER	1,684,614.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

3, PROPPED FRAC

Stage Number 3	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 12,476.0	Bottom Depth (ftKB) 12,581.0	Start Date 5/3/2022	End Date 5/4/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 4,749.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,683.0	Treat Pressure Max (psi) 8,630.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.785
Comment							

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	2,982.00	
PRODUCED WATER	196,478.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

4, PROPPED FRAC

Stage Number 4	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 12,371.0	Bottom Depth (ftKB) 12,476.0	Start Date 5/5/2022	End Date 5/5/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 2,919.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,680.0	Treat Pressure Max (psi) 7,682.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.819
Comment							



Stimulation Report

Well Name: MERCHANT LIVESTOCK 24 STATE COM 2H

Stimulation Fluid Systems		
Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	2,730.00	
PRODUCED WATER	119,879.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

5, PROPPED FRAC

Stage Number 5	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 12,258.0	Bottom Depth (ftKB) 12,371.0	Start Date 5/5/2022	End Date 5/5/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 4,080.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,358.0	Treat Pressure Max (psi) 7,848.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.804

Comment

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	3,612.00	
PRODUCED WATER	167,750.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

6, PROPPED FRAC

Stage Number 6	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 12,153.0	Bottom Depth (ftKB) 12,258.0	Start Date 5/4/2022	End Date 5/4/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 2,483.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,667.0	Treat Pressure Max (psi) 7,916.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.770

Comment

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	2,436.00	
PRODUCED WATER	101,841.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

7, PROPPED FRAC

Stage Number 7	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 12,070.0	Bottom Depth (ftKB) 12,153.0	Start Date 5/4/2022	End Date 5/4/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 3,986.00	Diverter (lbm)	Treat Pressure Avg (psi) 7,049.0	Treat Pressure Max (psi) 7,937.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.799

Comment

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	0.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	2,394.00	
PRODUCED WATER	165,021.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

8, PROPPED FRAC

Stage Number 8	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 11,953.0	Bottom Depth (ftKB) 12,070.0	Start Date 5/4/2022	End Date 5/4/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 2,418.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,499.0	Treat Pressure Max (psi) 7,655.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.828

Comment



Stimulation Report

Well Name: **MERCHANT LIVESTOCK 24 STATE COM 2H**

Stimulation Fluid Systems		
Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	1,134.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	2,100.00	
PRODUCED WATER	99,448.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

9, PROPPED FRAC

Stage Number 9	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 11,860.0	Bottom Depth (ftKB) 11,953.0	Start Date 5/4/2022	End Date 5/4/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 4,426.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,741.0	Treat Pressure Max (psi) 8,355.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.765

Comment

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	800.00	
SLICKWATER	0.00	
WATER - PUMPDOWN	2,310.00	
PRODUCED WATER	183,568.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

10, PROPPED FRAC

Stage Number 10	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 11,743.0	Bottom Depth (ftKB) 11,860.0	Start Date 5/4/2022	End Date 5/4/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 2,716.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,043.0	Treat Pressure Max (psi) 6,905.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.805

Comment

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	1,100.00	
SLICKWATER	111,921.00	
WATER - PUMPDOWN	2,142.00	
PRODUCED WATER	0.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)

11, PROPPED FRAC

Stage Number 11	Wellbore Original Hole	Type PROPPED FRAC	Top Depth (ftKB) 11,636.0	Bottom Depth (ftKB) 11,743.0	Start Date 5/4/2022	End Date 5/5/2022	
5 min SIP (psi)	Volume Clean Total (bbl) 4,485.00	Diverter (lbm)	Treat Pressure Avg (psi) 6,806.0	Treat Pressure Max (psi) 8,629.0	Clean Rate Avg (bbl/min)	Clean Rate Max (bbl/min)	Frac Gradient (psi/ft) 0.846

Comment

Stimulation Fluid Systems

Fluid Name	Vol (gal)	Calculated Amount (bbl)
15% HCL	1,100.00	
SLICKWATER	186,805.00	
WATER - PUMPDOWN	1,554.00	
PRODUCED WATER	0.00	

Actual Pumping Stage Summary

Stg #	Stage Type	Link to Fluid System	Start Date	Vol Clean (gal)	Vol Clean Cum (bbl)	P BH Avg (psi)	P BH Max (psi)	Clean Rate Avg (gpm)	Clean Rate Max (gpm)



Daily Completion

Well Name: MERCHANT LIVESTOCK 24 STATE COM 2H

Report # 13, Report Date: 5/31/2022

API/UWI 30025413470000	Field Name OJO CHISO; BONE SPRING SOUTH	State/Province NEW MEXICO	Well Configuration Type HORIZONTAL
Original KB Elevation (ft) 0.00	Regulatory Spud Date 11/19/2013 15:45	Rig Release Date 12/29/2013 17:00	Total Depth (ftKB) 15,944.0

Primary Job Type RECOMPLETE	Secondary Job Type	Start Date 4/27/2022	End Date
Contractor	Rig Number	Rig Type	Rig Start Date
			Rig Release Date

Daily Contacts

Job Contact	Position	Mobile	Carry forward?

Daily Operations

Report Start Date 5/30/2022	Report End Date 5/31/2022	Operations at Report Time	Personnel Total Hours (hr)

Operations Next Report Period

Daily Time Log

Start Time	Dur (hr)	End Time	Cum Dur (hr)	Desc	Com

Interval Problems (NPT)

Start Date	End Date	Dur (Gross) (hr)	Problem Type	Problem Subtype	Accountable Party
Comment				Action Taken	

Plug Details

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Make	Model	Com

Stimulations Summary

Type Sand Frac	Stim/Treat Company NOT IN LIST	Start Date 4/29/2022	End Date	Number of Treatment Intervals 11	Design Int #
Slurry Rate Avg (gpm) 1,879	P Treat Avg (all) (psi) 6,593.9	P Treat Max (all) (psi) 8,630.0	Volume Clean Total (bbl) 143,163.00	Proppant Total (lb) 6,977,495.0	Length (Gross) (ft) 4,219.00
					Mass Proppant/Stage (lb/unit) 634,317.73

Stimulation Stages

<intrefno>, <typ1>

Stage Number	Start Time	End Time	Type	Top (ftKB)	Btm (ftKB)	Est Net Pay (ft)	Number Perfs	Number of Clusters
Open Well Pressure (psi) (psi)	Instant. Shut-in Pressure (psi)	5 minute Shut-In Pressure (psi)	Frac Gradient (psi/ft)	P Post SI (psi)	Frac Gradient Post Treat (psi/ft)			
Proppant Designed (lb)	Proppant In Formation (lb)	Proppant Total/Design Ratio (%)	Diverter (lbm)	Surf Conc Max (lb/gal)	Volume Clean Total OR (bbl)			
Breakdown Rate (bbl/min)	Breakdown Pressure (psi)	Treat Pressure Avg (psi)	Treat Pressure Max (psi)	Slurry Rate Avg (bbl/min)	Slurry Rate Max (bbl/min)			
Number of Pumps On Line	Pumping Duration (min)	Pump Power Avg (hp)	Pump Power Max (hp)	Tracer(s) Ran				

Stimulation Fluid Systems

Fluid Type	Fluid Name	Vol (gal)	Com

Stimulation Proppants

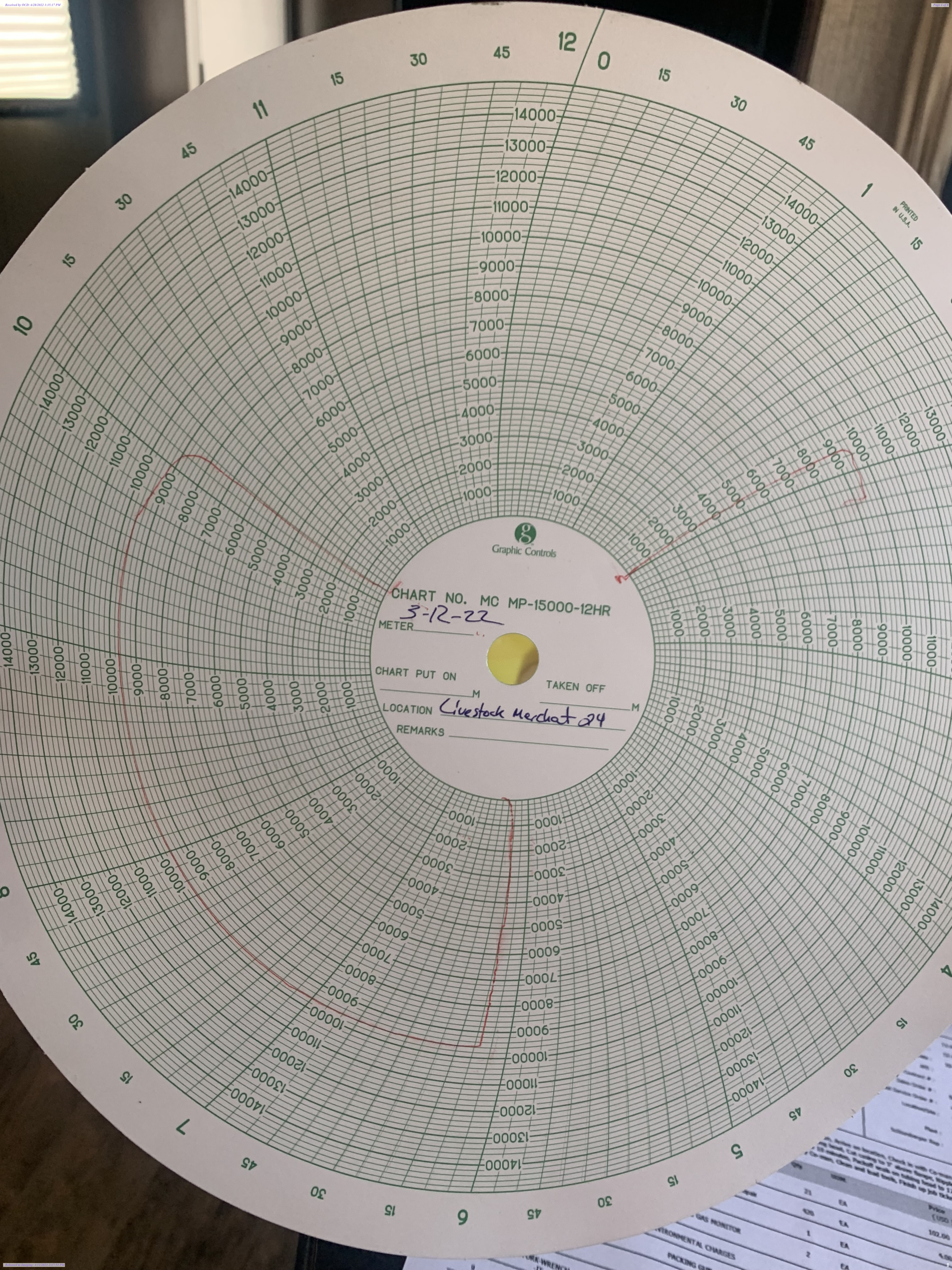
Sand Size	Subtype	Type	Amount (lb)

Stimulation Fluid Additives

Add Type	Add	Amount	Units

Daily Costs

Carry forward?	Cost Des	Code 1	Code 2	Field Est (Cost)	Note	Vendor	Ticket



PRINTED
IN U.S.A.



CHART NO. MC MP-15000-12HR
3-12-22
METER _____
CHART PUT ON _____ M TAKEN OFF _____ M
LOCATION Livestock Market 24
REMARKS _____

1	EA	Price (\$USD)
2	EA	102.00
3	EA	4.00
4	EA	
5	EA	
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9	EA	
10	EA	
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EOW - PRODUCTION

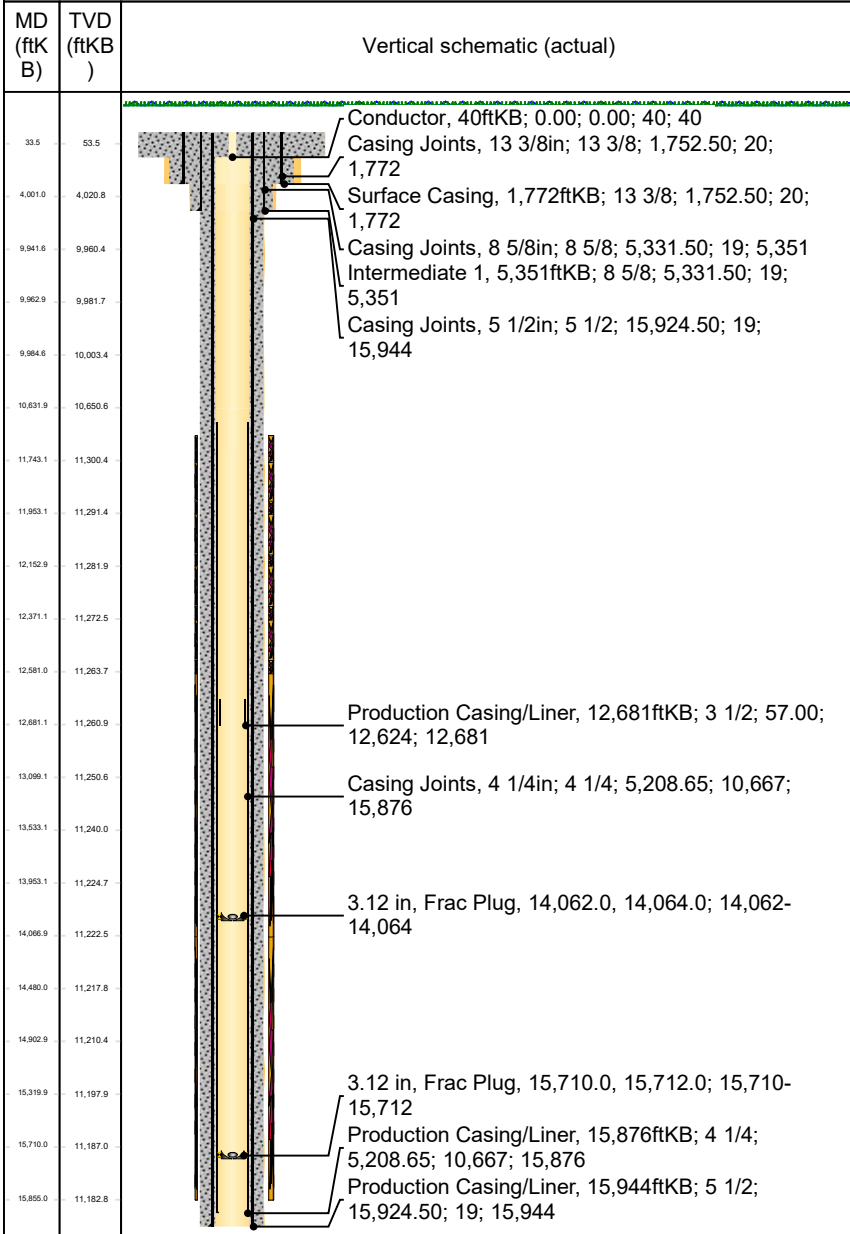
Please Check ALL Data on this report

Well Name: MERCHANT LIVESTOCK 24 STATE COM 2H

KB Elevation: 0.00 / Ground Elev: 0.00

API/UWI 30025413470000	Well Configuration Type HORIZONTAL	Ground Elevation (ft) 0.00	KB-Ground Distance (ft) 0.00
---------------------------	---------------------------------------	-------------------------------	---------------------------------

Original Hole [HORIZONTAL] [FLOWBACK, <dtmstart>]



Sign Off & QC

Type	Subtype	Date	Name	Verifi ed?	Com

Job Information

Primary Job Type FLOWBACK	Secondary Job Type FLOWBACK	Start Date	End Date	Wellbore Name Original Hole	Status 1
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Tubing Strings

Tubing Description	Set Depth (ft...)	Run Date	String Max...	Wt (lb/ft)	String Grade	Pull Date

Other In Hole

Description	Top Depth (ftKB)	Bottom Depth (ftKB)	Run Date

IP DATA

Type	Subtype	Production Method	Date	Duration (hr)
Choke Diameter Size (in)	Swab Used?	Rate Oil (bbl/day)	Rate Water (bbl/day)	Gas Rate (MCF/day)
Oil Produced (bbl/day)	Gas/Oil Ratio	Oil Gravity (°API)	Water Gravity	Gas Gravity (lb/1000ft³)
Flowing Tubing PSI (psi)	Casing Pressure (psi)			

Logs Run

Date	Type	Pr... No	Def? No	Ca... No	Top (ft...)	Btm (ft...)	Logging Company	Comment
3/12/2022	Test to 9500 psi							

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 121138

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 121138
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	4/11/2023