NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2401-0065	1/31/2024

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512322416
WELL NAME	**RIG**	**JOB TYPE**
WEST FARMS 22-14	Brigade 11	CM-P2A-PERM.
SURFACE WELL LOCATION	**NEXTIER FIELD SUPERVISOR**	**CUSTOMER REP**
40.22417 -104.86383	Garrick Williamson	Socorro Olivas

WATER TEST DETAILS

Tank	Temp (°F)	pH	Sulfates (mg/L)	Chlorides (mg/L)	Hardness (mg/L)	Iron (mg/L)
1	60	7	>200	31	100	0
2						

WELL PROFILE

Max Treating Pressure (psi):	4000	Bottom Hole Static Temperature (°F):	208°F
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1					
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 3/8	4.7		0	7024	0	7024
Production	4.5	11.6		0	7094	0	7094

CEMENT DATA

Stage 1: Type: **Squeeze**

From Depth (ft): 6760 To Depth (ft): 7094

Volume (sacks): 100 Volume (bbls): 27.1

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100 % NCM-914 +35.0 % NWT-766+0.4 % NFL-551+0.3 % NDS-417+0.2 % NRT-	15.8	1.52	6.18

Stage 2: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 3: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 4: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	1 bbls of	Fresh Water	Calculated Displacement (bbl):	27.2	
	bbls of		Actual Displacement (bbl):	23.1	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 1

Total Slurry Volume (bbl): 27.1

Total Fluid Pumped 51.2

Returns to Surface: bbls

Plug Bump (Y/N): Bump Pressure (psi):

Lost Returns (Y/N): Y (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): Load lines with a bbl pressure test to 5000 sting fill tbg volume with 15.8ppg 1.52y 6.18wr scaled @ 15.8 sting in pump remaining cement total cement pumped 100 sxs 27.1bbls displace 23.1 bbls leaving 4.1bbls(264ft 15sxs)on top of retainer set @7024 btm perf @7094 top of cement in pipe @ 6760 sting out pressure @0..

Customer Representative Signature:

Thank You For Using NexTier Completion Solutions

NEXTIER		Date	Time	DISTRICT
	YARD CALL	1/31/2024	8:00 AM	*Brighton - 3021*
	RTS DATE	31-Jan-2024	3:10:00 PM	

CUSTOMER INFORMATION	
Customer Name:	**OXY USA INC**
Customer #:	1000679
AFE #:	
Cust Rep on Loc:	Socorro Olivas
Cust Phone #:	303-253-1547
Order Placed By:	
Phone #:	
Proposed Job Amt:	$8,261.27

JOB INFORMATION	
Ticket #:	**BCO-2401-0065**
PO #:	
Order Taken By:	Milo
Order Date:	30-Jan
Head Count:	4
NexTier Acct. Manager:	
NexTier Engineer	

WELL INFORMATION			
API #:	512322416		
Field Name:	Wattenberg		
Well Name:	WEST FARMS 22-14		
Well Type:	Old		
Formation:	JSND		
Rig Contractor:	Brigade		
Rig Name/Num.:	Brigade 11		
Rig Phone:			
County:	WELD (CO)		
State:	COLORADO		
Latitude:	40.22417		
Longitude:	-105		
NexTier Rep.			
Section-Township-Range	NWSW 14	3N	67W
Quote Number:	7-BCO_240129142048		

CASING DATA	
Casing Size:	**4.5**
Casing Weight:	**11.6#**
Shoe Joint Length:	**334 ft**

Open Hole Data	
TVD:	**7,094 ft**
MD:	**7,094 ft**
Size ID:	**7.88**
BHST:	**208°F**
BHCT:	**140°F**
°F / 100 or BHST:	**1.8 °F/100ft**
KOP:	**0 ft**

Previous Casing Size	
Casing Size:	**8.625**
Casing Depth:	**719**

ACTUAL TABULAR DATA			
Size	Grade	Weight	Mea.Depth
2 3/8	J-55	4.7	7024
Casing	4.5 in. 11.6#, (0 to 7,094 ft)		

CEMENTING PLUG			
Qty	Size	Type	Material

TOP CONNECTION		
Size	Type	Thread

JOB TYPE

CM-P2A-PERM.

048-JLPjob 1 2.19d

COMMENTS

SPECIAL JOB INSTRUCTIONS

100# Sugar

DIRECTIONS TO WELL

CR 32 & CR 21, S .25, E into

Emergency Contacts

Nearest Hospital:	Greeley	Phone Number:	911
Police Department:	Greeley	Phone Number:	911
Fire Department:	Greeley	Phone Number:	911

Designated Emergency Vehicle:	131155	Vehicle Location:	Site
MSDS on Dash of Emergency Vehicle? (y/n):	Y		

Muster Area #1	Lease location
Muster Area #2	Wind depending

Cell Phone Service on location? (y/n)	Y
If not, nearest working phone	

Iron Tracking

	Taken Out			Returned		
Iron Type	Taken By	Date Out	Time Out	Returned By	Date In	Time In

Cement Job Log

NEXTIER

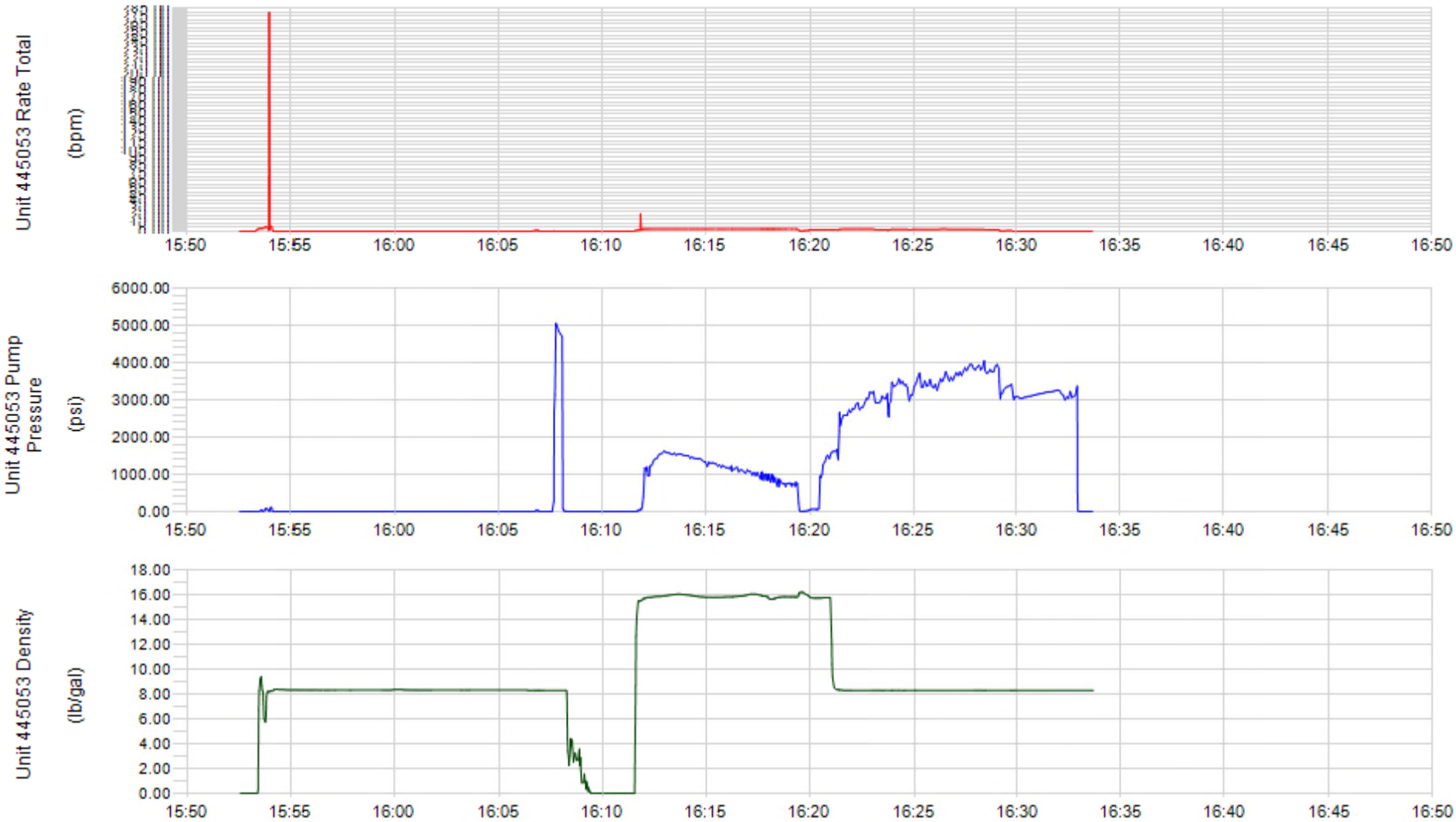
Customer:	OXY USA INC			**Date:**	31-Jan-24	**Serv. Supervisor:**	Garrick Williamson
Cust. Rep.:	Socorro Olivas			**Ticket #:**	BCO-2401-0065	**Serv. Center:**	Brighton - 3021
Well Name:	WEST FARMS 22-14	**RTS Date:**	31-Jan-2024	**API Well #:**	**512322416**	**County:** **WELD (CO)**	**State:** COLORA
Well Type:	Oil	**RTS Time:**	3:10 PM	**Rig:**	**Brigade 11**	**Type of Job:**	**CM-P2A-PERM.**

	Date	Time		Date	Time		Date	Time
Left Yard:	31-Jan-24	2:30 PM	**Left Loc.:**	31-Jan-24	**4:30 PM**	**Start Pump:**	31-Jan-24	3:37 PM
Arrived Loc.:	31-Jan-24	**3:10 PM**	**Returned Yd.:**	31-Jan-24	5:30 PM	**End Pump:**	31-Jan-24	4:00 PM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	**Stage Details**
2:30 PM								Left Yard or Current Location
3:10 PM							1	ARRIVE ON LOCATION
3:15 PM							1	TAILGATE /SPOT EQUITMENT
3:25 PM							1	RIG UP IRON AND HOSES/WTR TEST
3:30 PM							1	PRE JOB SAFETY MEETING
3:37 PM	2		50		1.0 bbl	1.0 bbl	1	LOAD LINES
3:38 PM			5000				1	PRESSURE TEST
3:43 PM	3		1000		25.0 bbl	26.0 bbl	1	STING OUT FILL TBG VOLUME 15.8 1.52 6.18 SCALED @ 15.8
3:50 PM	2		1800		2.1 bbl	28.1 bbl	1	STING IN PUMP REMAINING CEMENT
3:52 PM	1		3500		23.1 bbl	51.2 bbl	1	DISPLACE
4:00 PM			0				1	SHUT DOWN/STING OUT PRESSURE
4:05 PM							1	WASH UP
4:15 PM							1	RIG DOWN IRON AND HOSES
4:25 PM							1	AAR
4:30 PM							1	LEAVE LOCATION

NexTier Oilfield Solutions

Client	OXY	Client Rep	SOCORRO OLIVAS	Supervisor	GARRICK WILLIAMSON
Ticket No.	24010065	Well Name	WEST FARMS 22-14	Unit No.	445053
Location		Job Type	Abandonment Plugs	Service District	BRIGHTON
Comments				Job Date	01/31/2024



NEXTIER

LOCATION WATER TEST

General Information

Customer: OXY USA INC Date: 1/31/2024

Ticket # : BCO-2401-0065 Time: 15:25

Lease Name & # : WEST FARMS Water Source: truck

Supervisor: Garrick Williamson

Test Results Sample #1

	Field		Lab		Acceptable Range
Temp	60	° F		° F	Max Temp 120° F
pH	7.0				6.0 - 8.0
Sulfates	>200	mg/L		mg/L	Less Than 2000 mg/L
Chlorides	31	mg/L		mg/L	Less Than 3000 mg/L
Hardness	100	mg/l		mg/l	Less Than 1000 mg/L
Iron	0	mg/l		mg/L	Less than 300 mg/L

Test Results Sample #2

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Test Results Sample #3

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Remarks:

NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2402-0003	2/1/2024

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512322416
WELL NAME	**RIG**	**JOB TYPE**
WEST FARMS 22-14	Brigade 11	CM-P2A-PERM.
SURFACE WELL LOCATION	**NEXTIER FIELD SUPERVISOR**	**CUSTOMER REP**
40.22417 -104.86383	Garrick Williamson	Socorro Olivas

WATER TEST DETAILS

Tank	Temp (°F)	pH	Sulfates (mg/L)	Chlorides (mg/L)	Hardness (mg/L)	Iron (mg/L)
1	60	7	>200	31	100	0
2						

WELL PROFILE

Max Treating Pressure (psi):	3500	Bottom Hole Static Temperature (°F):	156°F
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1					
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 3/8	4.7		0	4150	0	4150
Production	4.5	11.6		0	4210	0	4210

CEMENT DATA

Stage 1: Type: **Squeeze**

From Depth (ft): 3944 To Depth (ft): 4210

Volume (sacks): 100 Volume (bbls): 20.9

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100 % NCM-914 +0.4 % NFL-551+0.3 % NDS-417+0.25 % NFL-549+2.0 % NAC-101	15.8	1.17	5.04

Stage 2: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 3: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 4: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	1 bbls of	Fresh Water	Calculated Displacement (bbl):	16.1	
	bbls of		Actual Displacement (bbl):	12.9	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 1

Total Slurry Volume (bbl): 20.9

Total Fluid Pumped 34.8

Returns to Surface: bbls

Plug Bump (Y/N): Bump Pressure (psi):

Lost Returns (Y/N): Y (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): Load lines with a bbl pressure test to 4500 sting out fill tbg volumw with 15.8ppg 1.17y 5.04wr scaled @ 15.8 sting in pump remaining cement total cement pumped 100 sxs 20.9bbls displace 12. bbls leaving 3.3bbls(206ft 15sxs)on top of retainer set @4150 btm perf @4210 top of cement in pipe @3944 sting out pressure @ 0..

Customer Representative Signature:

Thank You For Using NexTier Completion Solutions

Cement Job Log

NexTier

NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer:	OXY USA INC	Date:	1-Feb-24	Serv. Supervisor:	Garrick Williamson		
Cust. Rep.:	Socorro Olivas	Ticket #:	BCO-2402-0003	Serv. Center	Brighton - 3021		
Well Name:	WEST FARMS 22-14	API Well #:	512322416	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 11	Type of Job:	CM-P2A-PERM.		

Materials Furnished by NexTier

Plugs	Casing Hardware	Physical Slurry Properties							
		Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Fluid Volume (cuft)	Mix Water (bbls)
0				0%	-	-		-	
5 bbl Water				0%	-	-	5.00	-	
Squeeze - Holes @ 4210', CICR @ 4150', Underdisplace by 3.2 bbls	100 % NCM-914 +0.4 % NFL-551+0.3 % NDS-417+0.25 % NFL-549+2.0 % NAC-101	100	15.8	0%	1.17	5.04	20.91	117.41	12
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA			TUBULAR DATA									
7.88 in. O.H. 719 to 4,210 ft			4.5 in. 11.6#, (0 to 4,210 ft)			SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	2 3/8 4.7		4150				
50.0 °F	50.0 °F	80.0 °F										

PREVIOUS CASING DATA	PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
8.625 in. 24# (0 to 719 ft)		4210						

WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS	CSG LIFT	MAX PRESS	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY	(psi)	(psi)	(psi)				
		12.9 bbl	water	8.4 ppg			3500	31	7	60.0 °F	70

Bumped Plug	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)
					3,944	No	2,500.00				

Comments/Additional Details:

Garrick Williamson — Service Supervisor

1-Feb-24 — Date

Cement Job Log

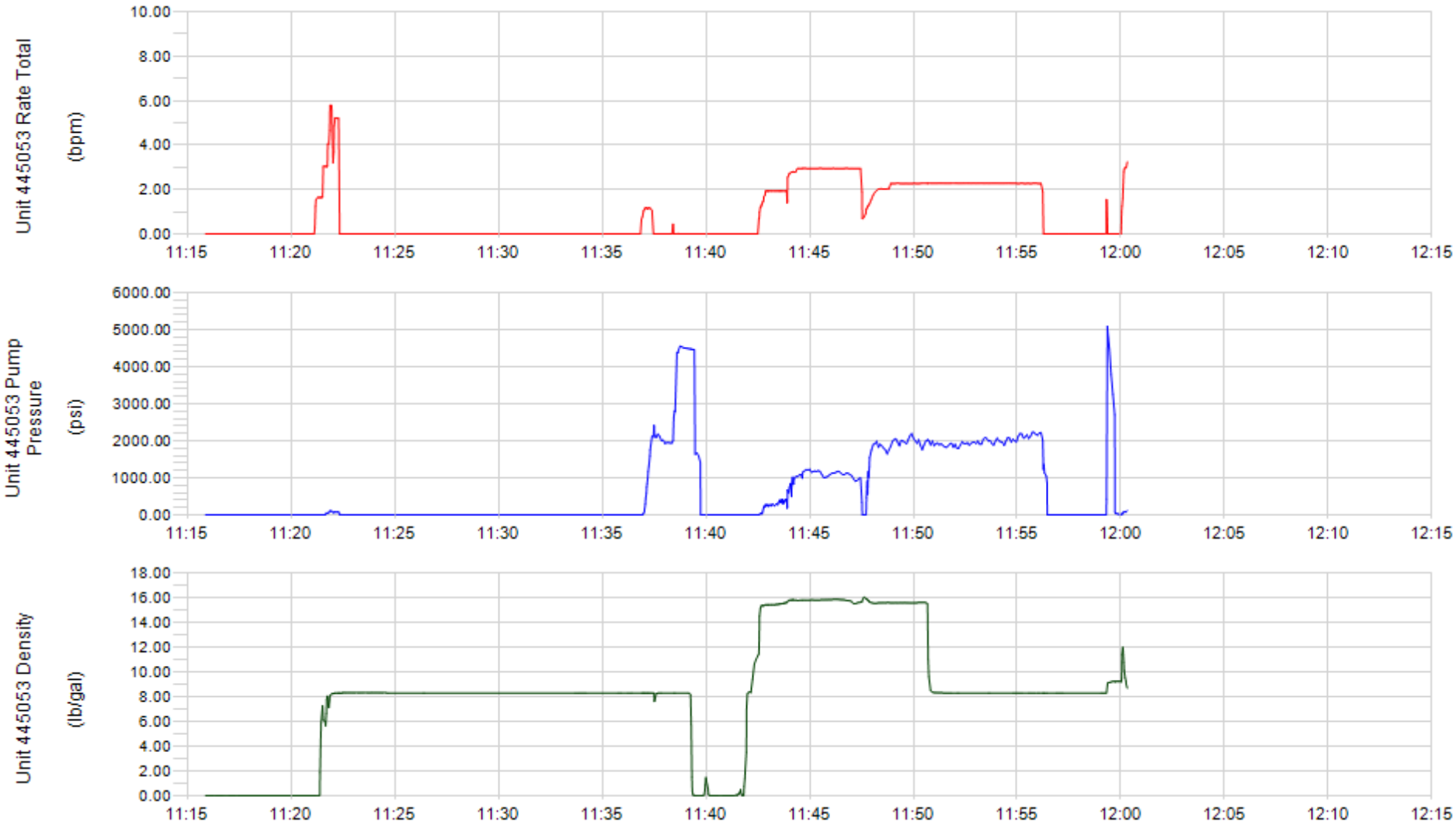
NEXTIER

Customer:	OXY USA INC			**Date:**	1-Feb-24	**Serv. Supervisor:**	Garrick Williamson		
Cust. Rep.:	Socorro Olivas			**Ticket #:**	BCO-2402-0003	**Serv. Center:**	Brighton - 3021		
Well Name:	WEST FARMS 22-14	**RTS Date:**	01-Feb-2024	**API Well #:**	**512322416**	**County:**	**WELD (CO)**	**State:**	COLORA
Well Type:	Oil	**RTS Time:**	10:30 AM	**Rig:**	**Brigade 11**	**Type of Job:**	**CM-P2A-PERM.**		

	Date	Time		Date	Time		Date	Time
Left Yard:	01-Feb-24	9:30 AM	**Left Loc.:**	01-Feb-24	**12:00 PM**	**Start Pump:**	01-Feb-24	11:08 AM
Arrived Loc.:	01-Feb-24	**10:30 AM**	**Returned Yd.:**	01-Feb-24	1:00 PM	**End Pump:**	01-Feb-24	11:27 AM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	**Stage Details**
9:30 AM								Left Yard or Current Location
10:30 AM							1	ARRIVE ON LOCATION
10:35 AM							1	TAILGATE MEETING
10:40 AM							1	SPOT EQUIPMENT
10:45 AM							1	RIG UP IRON AND HOSES
11:00 AM							1	PRE JOB SAFETY MEETING
11:08 AM	1.2		1500		1.0 bbl	1.0 bbl	1	LOAD LINES
11:09 AM			4500				1	PRESSURE TEST
11:14 AM	3		1000		14.0 bbl	15.0 bbl	1	STING OUT FILL TBG VOLUME WITH 15.8 1.17 5.04 SCALED @ 15.8
11:19 AM	2.5		2000		6.9 bbl	21.9 bbl	1	STING IN PUMP REMAING CEMENT
11:22 AM	2.5		2500		12.9 bbl	34.8 bbl	1	DISPLACE
11:27 AM			0				1	SHUT DOWN/STING OUT PRESSURE
11:30 AM							1	WASH UP
11:45 AM							1	RIG DOWNRON AND HOSES
11:55 AM							1	AAR
12:00 PM							1	LEAVE LOCATION

Client	OXY	Client Rep	SOCORRO OLIVAS	Supervisor	GARRICK WILLIAMSON
Ticket No.	24020003	Well Name	WEST FARMS22-14	Unit No.	445053
Location		Job Type	Abandonment Plugs	Service District	BRIGHTON
Comments				Job Date	02/01/2024



Client	OXY	Client Rep	SOCORRO OLIVAS	Supervisor	GARRICK WILLIAMSON
Ticket No.	24020003	Well Name	WEST FARMS22-14	Unit No.	445053
Location		Job Type	Abandonment Plugs	Service District	BRIGHTON
Comments				Job Date	02/01/2024

NEXTIER

LOCATION WATER TEST

General Information

Customer: OXY USA INC Date: 2/1/2024

Ticket # : BCO-2402-0003 Time: 10:45

Lease Name & # : WEST FARMS Water Source: Truck

Supervisor: Garrick Williamson

Test Results Sample #1

	Field		Lab		Acceptable Range
Temp	60	° F		° F	Max Temp 120° F
pH	7.0				6.0 - 8.0
Sulfates	>200	mg/L		mg/L	Less Than 2000 mg/L
Chlorides	31	mg/L		mg/L	Less Than 3000 mg/L
Hardness	100	mg/l		mg/l	Less Than 1000 mg/L
Iron	0	mg/l		mg/L	Less than 300 mg/L

Test Results Sample #2

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Test Results Sample #3

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Remarks:

NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2402-0008	2/2/2024

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512322416
WELL NAME	**RIG**	**JOB TYPE**
WEST FARMS 22-14	Brigade 11	CM-P2A-PERM.
SURFACE WELL LOCATION	**NEXTIER FIELD SUPERVISOR**	**CUSTOMER REP**
40.22417 -104.86383	Joey Davalos	Socorro Olivas

WATER TEST DETAILS

Tank	Temp (°F)	pH	Sulfates (mg/L)	Chlorides (mg/L)	Hardness (mg/L)	Iron (mg/L)
1	64	6	400	500	5	50
2						

WELL PROFILE

Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	130°F
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1					
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
CASING	4.5	11.6	P110	0	2800	0	2800
TUBING	2.375	4.7	J-55	0	2160	0	2160

CEMENT DATA

Stage 1:
Type:

From Depth (ft): 1954 To Depth (ft): 2800

Volume (sacks): 230 Volume (bbls): 49

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.0 % NAC-110	15.8	1.20	5.30

Stage 2:
Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 3:
Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 4:
Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	10 bbls of	SAPP	Calculated Displacement (bbl):	8.4	
	5 bbls of	Fresh Water	Actual Displacement (bbl):	5	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 15
Total Slurry Volume (bbl): 49
Total Fluid Pumped 64
Returns to Surface: 0 bbls

Plug Bump (Y/N): N Bump Pressure (psi): 0
Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.):

FILL LINES, TEST- 2500 PSI,(SAPP) 10 BBLS- INJECTION RATE- 3BPM-580PSI, FRESH WATER 5 BBLS- 2BPM-430 PSI, PUMP TAIL CEMENT- 49 BBLS 3.5 BPM @ 15.8 PPG, DISPLACEMENT- 3 BPM- 500 5 BBLS TOTAL, SHUT DOWN 170PSI RIG STINGS OUT, 0 PSI, RIG DOWN

Customer Representative Signature:

Thank You For Using NexTier Completion Solutions

Cement Job Log

NexTier

NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer:	OXY USA INC	Date:	2-Feb-24	Serv. Supervisor:	Joey Davalos
Cust. Rep.:	Socorro Olivas	Ticket #:	BCO-2402-0008	Serv. Center	Brighton - 3021
Well Name:	WEST FARMS 22-14	API Well #:	512322416	County: WELD (CO)	State: COLORADO
Well Type:	Oil	Rig:	Brigade 11	Type of Job:	CM-P2A-PERM.

Materials Furnished by NexTier

Plugs	Casing Hardware	Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Fluid Volume (cuft)	Mix Water (bbls)
10 bbl Mudflush - 10 bbl Water + 100 lb SAPP	+10.0 PPB NSP-890			0%	(0.01)	(1.20)	10.00	-	
5 bbl Water				0%	-	-	5.00	-	
Squeeze - Holes @ 2800' and 2100', CICR @ 2160', Underdisplace by 3.2 bbls	100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.0 % NAC-110	230	15.8	25%	1.20	5.13	49.16	276.04	28
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA						TUBULAR DATA						
7.88 in. O.H. 719 to 2,800 ft			4.5 in. 11.6#, (0 to 2,800 ft)			SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	2.375					7700	7100
						4.7		2160	J-55	1.995		

PREVIOUS CASING DATA	PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
8.625 in. 24# (0 to 719 ft)								

WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS	CSG LIFT	MAX PRESS	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY	(psi)	(psi)	(psi)				
H2O	8.3 ppg	5 bbl	HO	8.3 ppg			2500	500	6	64.0 °F	100

Bumped Plug	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)
No	170.00	Y	-	-	1,954	Yes	600.00	No	1.00	No	0

Comments/Additional Details:

Joey Davalos — Service Supervisor

2-Feb-24 — Date

Cement Job Log

NEXTIER

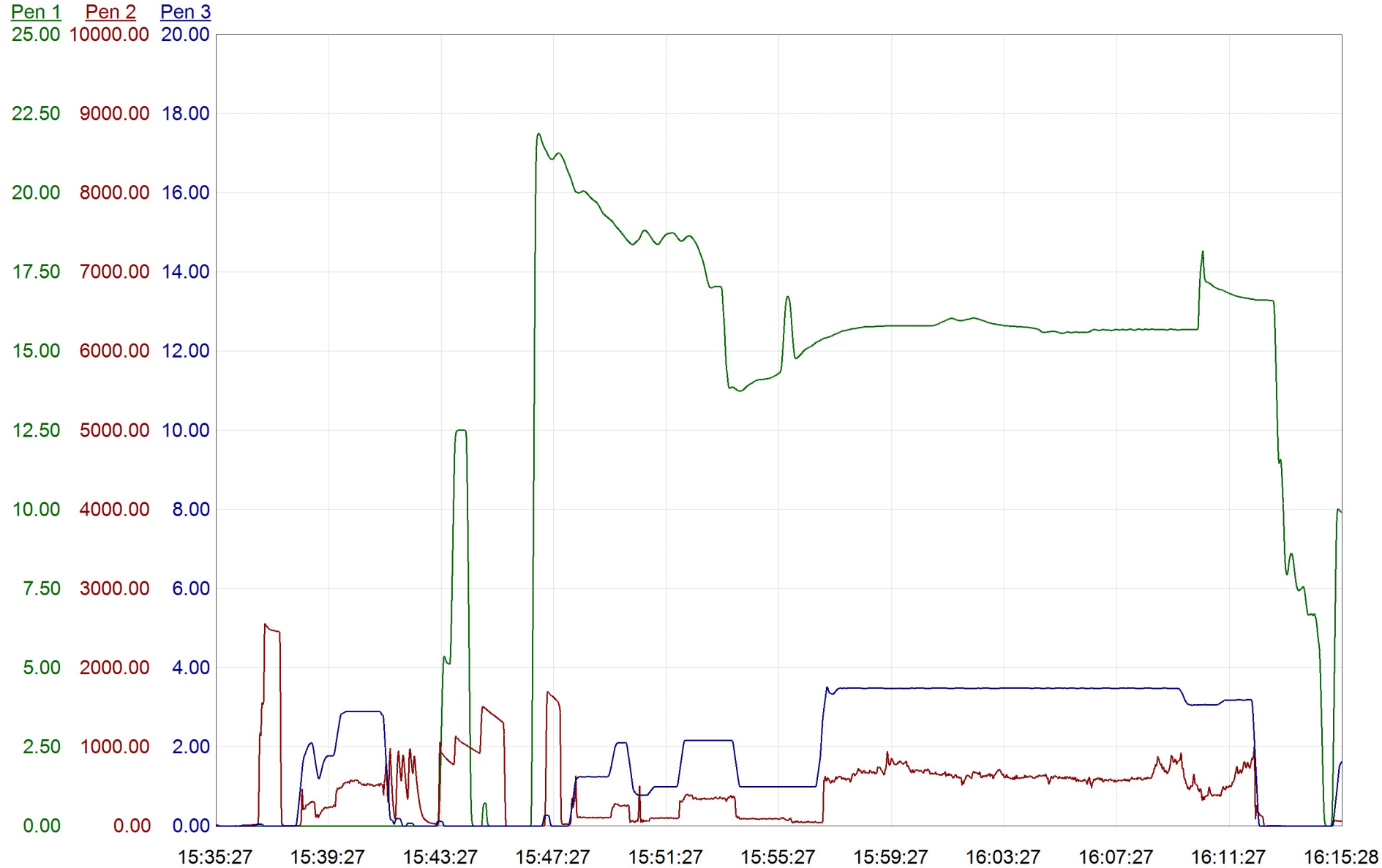
Customer:	OXY USA INC			**Date:**	2-Feb-24	**Serv. Supervisor:**	Joey Davalos		
Cust. Rep.:	Socorro Olivas			**Ticket #:**	BCO-2402-0008	**Serv. Center:**	Brighton - 3021		
Well Name:	WEST FARMS 22-14	**RTS Date:**	02-Feb-2024	**API Well #:**	**512322416**	**County:**	**WELD (CO)**	**State:**	COLORA
Well Type:	Oil	**RTS Time:**	1:00 PM	**Rig:**	**Brigade 11**	**Type of Job:**	**CM-P2A-PERM.**		

	Date	Time		Date	Time		Date	Time
Left Yard:	02-Feb-24	11:00 AM	**Left Loc.:**	02-Feb-24	**4:20 PM**	**Start Pump:**	02-Feb-24	2:33 PM
Arrived Loc.:	02-Feb-24	**1:00 PM**	**Returned Yd.:**	02-Feb-24	5:30 PM	**End Pump:**	02-Feb-24	3:12 PM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	**Stage Details**
11:00 AM								Left Yard or Current Location
1:00 PM							1	ARRIVE ON LOCATION
1:00 PM							1	HAZARD ASSESSMENT/ SPOT EQUIPMENT
1:10 PM							1	SAFETY MEETING/ RIG UP IRON
1:20 PM							1	TEST MIX WATER
1:30 PM							1	WAIT ON RIG
2:20 PM							1	SAFETY MEETING/ RIG UP FLOOR
2:33 PM	1	220			2.0 bbl	2.0 bbl	1	FILL LINES
2:37 PM	1	2500			1.0 bbl	3.0 bbl	1	TEST LINES
2:48 PM	3	580			10.0 bbl	13.0 bbl	1	SAPP SPACER
2:50 PM	2	430			5.0 bbl	18.0 bbl	1	FRESH WATER SPACER
2:54 PM	3.5	580			49.0 bbl	67.0 bbl	1	MIX AND PUMP TAIL @ 15.8 PPG
3:10 PM	3	500			5.0 bbl	72.0 bbl	1	DISPLACEMENT
3:12 PM							1	SHUT DOWN
3:12 PM							1	RIG STINGS OUT (0 PSI)
3:15 PM							1	WASH UP TRUCK
3:36 PM							1	SAFETY MEETING/ RIG DOWN
4:00 PM							1	HAZARD ASSESSMENT/ SPOT EQUIPMENT
4:20 PM							1	LEAVE LOCATION

SERVICE COMPANY:	NEXTIER	DATE RECORDED:	02/02/2024
TICKET NO:	BCO-2402-0008	JOB NO:	95
CUSTOMER NAME:	OXY	UNIT DESCRIPTION:	Undefined
WELL NAME:	WEST FARMS 22 14	UNIT NOTES:	970014
WELL LOCATION:	WELD COUNTY	FILE NAME:	OXY_WEST FARMS 22 14_WEST FARMS 22 14_24_02_02_#1.csv

Pen 1: AllUnits_SelectedDensity (Density : lb/gal) dF:10
Pen 2: AllUnits_CalcHighPressure (Pressure : psi)
Pen 3: AllUnits_CementSlurryRate (Flowrate : bpm) dF:15



NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2402-0014	2/6/2024

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512322416
WELL NAME	**RIG**	**JOB TYPE**
WEST FARMS 22-14	Brigade 11	CM-P2A-PERM.
SURFACE WELL LOCATION	**NEXTIER FIELD SUPERVISOR**	**CUSTOMER REP**
40.22417 -104.86383	Joey Davalos	Socorro Olivas

WATER TEST DETAILS

Tank	Temp (°F)	pH	Sulfates (mg/L)	Chlorides (mg/L)	Hardness (mg/L)	Iron (mg/L)
1	63	6	400	500	400	5
2						

WELL PROFILE

Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	112°F
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1					
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
CASING	4 1/2	11.6	J-55	0	1800	0	1800
TUBING	2 3/8	4.7	J-55	0	1210	0	1210

CEMENT DATA

Stage 1:
Type:
From Depth (ft): 1004 To Depth (ft): 1800
Volume (sacks): 225 Volume (bbls): 48

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.5 % NAC-110	15.8	1.20	5.13

Stage 2:
Type:
From Depth (ft): To Depth (ft):
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 3:
Type:
From Depth (ft): To Depth (ft):
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 4:
Type:
From Depth (ft): To Depth (ft):
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	5 bbls of	Fresh Water	Calculated Displacement (bbl):	4.7	
	10 bbls of	SAPP	Actual Displacement (bbl):	1.5	
	5 bbls of	Fresh Water			

TotalPreflush/Spacer Volume (bbl): 20
Total Slurry Volume (bbl): 48
Total Fluid Pumped 68
Returns to Surface: 0 bbls

Plug Bump (Y/N): N Bump Pressure (psi): 0
Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.):
FILL LINES WITH 5 BBLS, TEST LINES TO 4000 PSI, PUMPED 10 BBLS OF SAPP 3 BPM- 420 PSI, PUMPED 5 BBLS OF FRESH WATER 3BPM- 600 PSI, MIXED AND PUMP 48 BBLS OF TAIL- 2.5 BPM- 250-600 PSI, DISPLACED 1.5 BBLS- 2.5BPM- 680 PSI, SHUT DOWN, RIG STUNG OUT (0 PSI), RIG TRIPS OUT PIPE

Customer Representative Signature:

Thank You For Using
NexTier Completion Solutions

Cement Job Log

NexTier

NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer:	OXY USA INC	Date:	6-Feb-24	Serv. Supervisor:	Joey Davalos		
Cust. Rep.:	Socorro Olivas	Ticket #:	BCO-2402-0014	Serv. Center	Brighton - 3021		
Well Name:	WEST FARMS 22-14	API Well #:	512322416	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 11	Type of Job:	CM-P2A-PERM.		

Materials Furnished by NexTier

Plugs	Casing Hardware	Physical Slurry Properties							
		Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Fluid Volume (cuft)	Mix Water (bbls)
10 bbl Mudflush - 10 bbl Water + 100 lb SAPP	+10.0 PPB NSP-890			0%	(0.01)	(1.20)	10.00	-	
5 bbl Water				0%	-	-	5.00	-	
Squeeze - Holes 1800' and 1150', CICR @1210', Underdisplace by 3.2 bbls	100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.5 % NAC-110	225	15.8	25%	1.20	5.13	48.26	270.96	27
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA						TUBULAR DATA						
7.88 in. O.H. 719 to 1,800 ft			4.5 in. 11.6#, (0 to 1,800 ft)			SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	2.375						
						4.7		1210	J-55	1.995	7700	8100

PREVIOUS CASING DATA	PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
8.625 in. 24# (0 to 719 ft)	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP

WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS	CSG LIFT	MAX PRESS	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY	(psi)	(psi)	(psi)				
H2O	8.3 ppg	1.5 bbl	H2O	8.3 ppg			4000	500	6	63.0 °F	100

Bumped Plug	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)
No	450.00	Y	-	-	1,004	Yes	750.00	No	-	No	

Comments/Additional Details:

Joey Davalos — Service Supervisor

6-Feb-24 — Date

Cement Job Log

NEXTIER

Customer:	OXY USA INC			**Date:**	6-Feb-24	**Serv. Supervisor:**	Joey Davalos		
Cust. Rep.:	Socorro Olivas			**Ticket #:**	BCO-2402-0014	**Serv. Center:**	Brighton - 3021		
Well Name:	WEST FARMS 22-14	**RTS Date:**	06-Feb-2024	**API Well #:**	**512322416**	**County:**	**WELD (CO)**	**State:**	COLORA
Well Type:	Oil	**RTS Time:**	11:30 AM	**Rig:**	**Brigade 11**	**Type of Job:**	**CM-P2A-PERM.**		

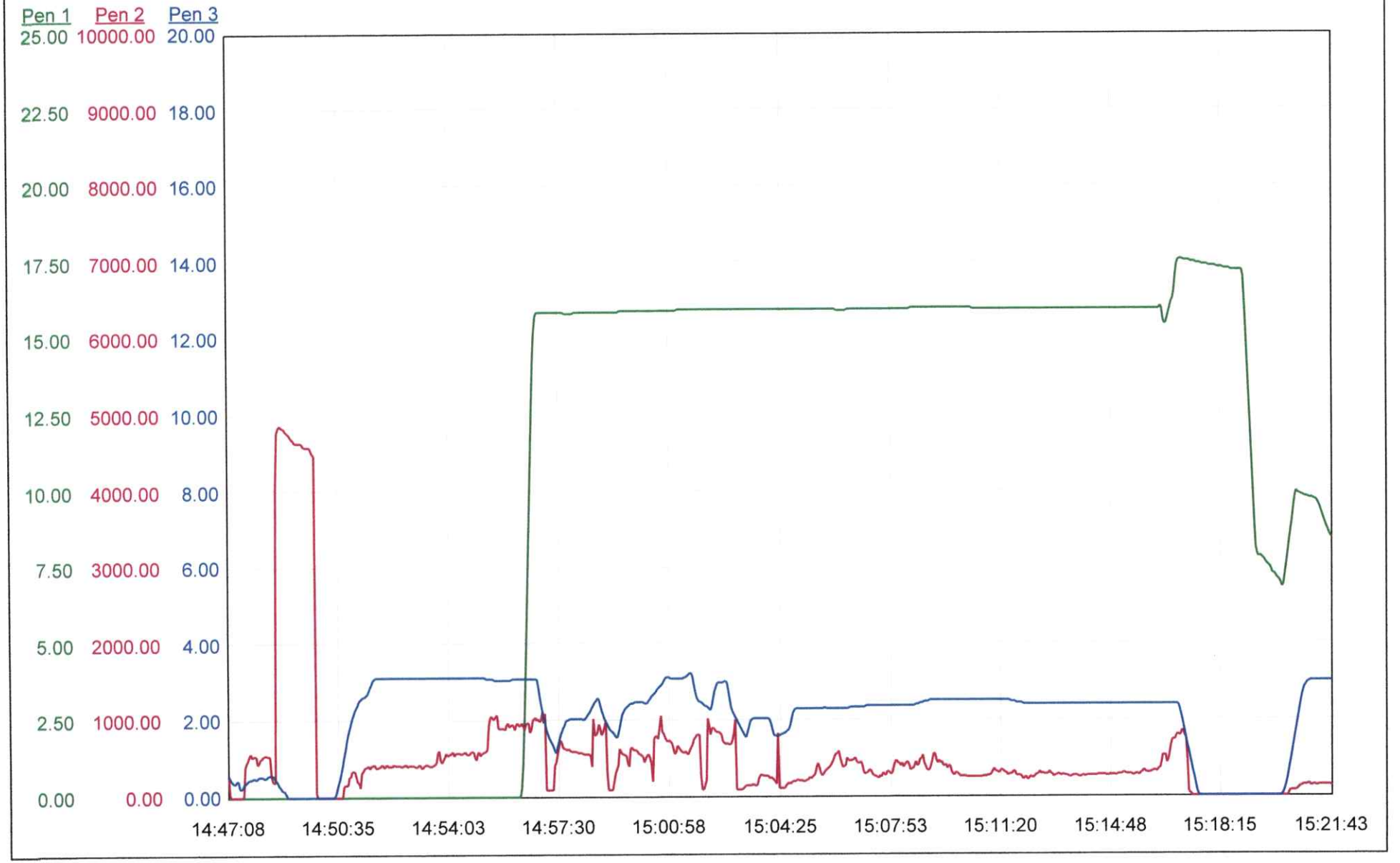
	Date	Time		Date	Time		Date	Time
Left Yard:	06-Feb-24	11:00 AM	**Left Loc.:**	06-Feb-24	**4:20 PM**	**Start Pump:**	06-Feb-24	1:45 PM
Arrived Loc.:	06-Feb-24	**11:30 AM**	**Returned Yd.:**	06-Feb-24	6:30 PM	**End Pump:**	06-Feb-24	2:17 PM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	**Stage Details**
11:00 AM								Left Yard or Current Location
11:30 AM							1	ARRIVE ON LOCATION
11:30 AM							1	HAZARD ASSESSMENT/ SPOT EQUIPMENT
11:40 AM							1	SAFETY MEETING/ RIG UP IRON AND HOSES
12:00 PM							1	TEST MIX WATER
1:20 PM							1	SAFETY MEETING/ RIG UP FLOOR
1:45 PM	1-3	50-370			4.0 bbl	4.0 bbl	1	FILL LINES
1:47 PM	1	4000			1.0 bbl	5.0 bbl	1	TEST LINES
1:50 PM	3	420			10.0 bbl	15.0 bbl	1	SAPP SPACER
1:54 PM	3	600			5.0 bbl	20.0 bbl	1	FRESH WATER SPACER
1:56 PM	2.5	300-600			48.0 bbl	68.0 bbl	1	MIX AND PUMP TAIL @ 15.8 PPG
2:16 PM	2.5	650			1.5 bbl	69.5 bbl	1	DISPLACEMENT
2:17 PM							1	SHUT DOWN
2:18 PM							1	RIG STINGS OUT (0 PSI)
2:20 PM							1	BREAK OFF CEMENT LINES
2:25 PM							1	HAND OVER TO RIG TO TRIP OUT PIPE
2:30 PM							1	SAFETY MEETING/ RIG DOWN
4:00 PM							1	HAZARD ASSESSMENT/ SPOT EQUIPMENT
4:20 PM							1	LEAVE LOCATION

SERVICE COMPANY:	NEXTIER	DATE RECORDED:	02/06/2024
TICKET NO:	BCO-2402-0014	JOB NO:	95
CUSTOMER NAME:	OXY	UNIT DESCRIPTION:	Undefined
WELL NAME:	WEST FARMS 22 14	UNIT NOTES:	970014
WELL LOCATION:	WELD COUNTY	FILE NAME:	OXY_WEST FARMS 22 14_Segment0_24_02_06_#1_sect1.csv

NEXTIER

Pen 1: AllUnits_SelectedDensity (Density : lb/gal) dF:10
Pen 2: AllUnits_CalcHighPressure (Pressure : psi)
Pen 3: AllUnits_CementSlurryRate (Flowrate : bpm) dF:15



NEXTIER

LOCATION WATER TEST

General Information

Customer: OXY USA INC Date: 2/6/2024

Ticket # : BCO-2402-0014 Time: 12:00

Lease Name & # : WEST FARMS Water Source: WATER TRUCK

Supervisor: Joey Davalos

Test Results Sample #1

	Field		Lab		Acceptable Range
Temp	63	° F		° F	Max Temp 120° F
pH	6.0				6.0 - 8.0
Sulfates	400	mg/L		mg/L	Less Than 2000 mg/L
Chlorides	500	mg/L		mg/L	Less Than 3000 mg/L
Hardness	400	mg/l		mg/l	Less Than 1000 mg/L
Iron	5	mg/l		mg/L	Less than 300 mg/L

Test Results Sample #2

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Test Results Sample #3

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Remarks:

NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2402-0015	2/8/2024

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512322416
WELL NAME	**RIG**	**JOB TYPE**
WEST FARMS 22-14	Brigade 11	CM-P2A-PERM.
SURFACE WELL LOCATION	**NEXTIER FIELD SUPERVISOR**	**CUSTOMER REP**
40.22417 -104.86383	ANTHONY STAPLES	Socorro Olivas

WATER TEST DETAILS

Tank	Temp (°F)	pH	Sulfates (mg/L)	Chlorides (mg/L)	Hardness (mg/L)	Iron (mg/L)
1	70	7	<200	<500	420	0
2						

WELL PROFILE

Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	95°F
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1	7.875	719	820	719	820
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	719	0	719
Tubing	2.375	4.7		0	820	0	820

CEMENT DATA

Stage 1:
Type:
From Depth (ft): 820 To Depth (ft): 515
Volume (sacks): 120 Volume (bbls): 25.6

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.5 % NAC-110	15.8	1.20	5.13

Stage 2:
Type:
From Depth (ft): To Depth (ft):
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 3:
Type:
From Depth (ft): To Depth (ft):
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 4:
Type:
From Depth (ft): To Depth (ft):
Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	10 bbls of	SAPP	Calculated Displacement (bbl):	1.9	
	5 bbls of	Fresh Water	Actual Displacement (bbl):	1.9	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 15
Total Slurry Volume (bbl): 25.6
Total Fluid Pumped 42.9
Returns to Surface: bbls

Plug Bump (Y/N): Bump Pressure (psi):
Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 10 bbls SAPP + 5 bbl H2O + 120 sks (26) bbls of 15.8# Cement + 1.9 bbls Displacement. Calculated top of Cement @ 515 ft.

Customer Representative Signature:

Thank You For Using
NexTier Completion Solutions

Cement Job Log

NexTier

NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer:	OXY USA INC	Date:	8-Feb-24	Serv. Supervisor:	ANTHONY STAPLES		
Cust. Rep.:	Socorro Olivas	Ticket #:	BCO-2402-0015	Serv. Center	Brighton - 3021		
Well Name:	WEST FARMS 22-14	API Well #:	512322416	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 11	Type of Job:	CM-P2A-PERM.		

Materials Furnished by NexTier

Plugs	Casing Hardware	Physical Slurry Properties							
		Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Fluid Volume (cuft)	Mix Water (bbls)
10 bbls SAPP - Pre-Flush	+10.0 PPB NSP-890			0%	(0.01)	(1.20)	10.00	-	
5 bbl Water - Spacer				0%	-	-	5.00	-	
Shoe Plug - Casing cut @ 820'	100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.5 % NAC-110	120	15.8	100%	1.20	5.13	25.74	144.51	15
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA						TUBULAR DATA						
7.875 in. O.H. 719 to 820 ft						SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	2.375		820		1.995	7700	8100
40.0 °F												

PREVIOUS CASING DATA	PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
8.625 in. 24# (0 to 719 ft)								

WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS	CSG LIFT	MAX PRESS	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY	(psi)	(psi)	(psi)				
H2O	8.4 ppg	1.9 bbl	H2O	8.3 ppg			500	<500	7	70.0 °F	80

Bumped Plug	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)
					515	Yes	490.00	No	2.00	No	

Comments/Additional Details:

ANTHONY STAPLES — Service Supervisor

8-Feb-24 — Date

Cement Job Log

NEXTIER

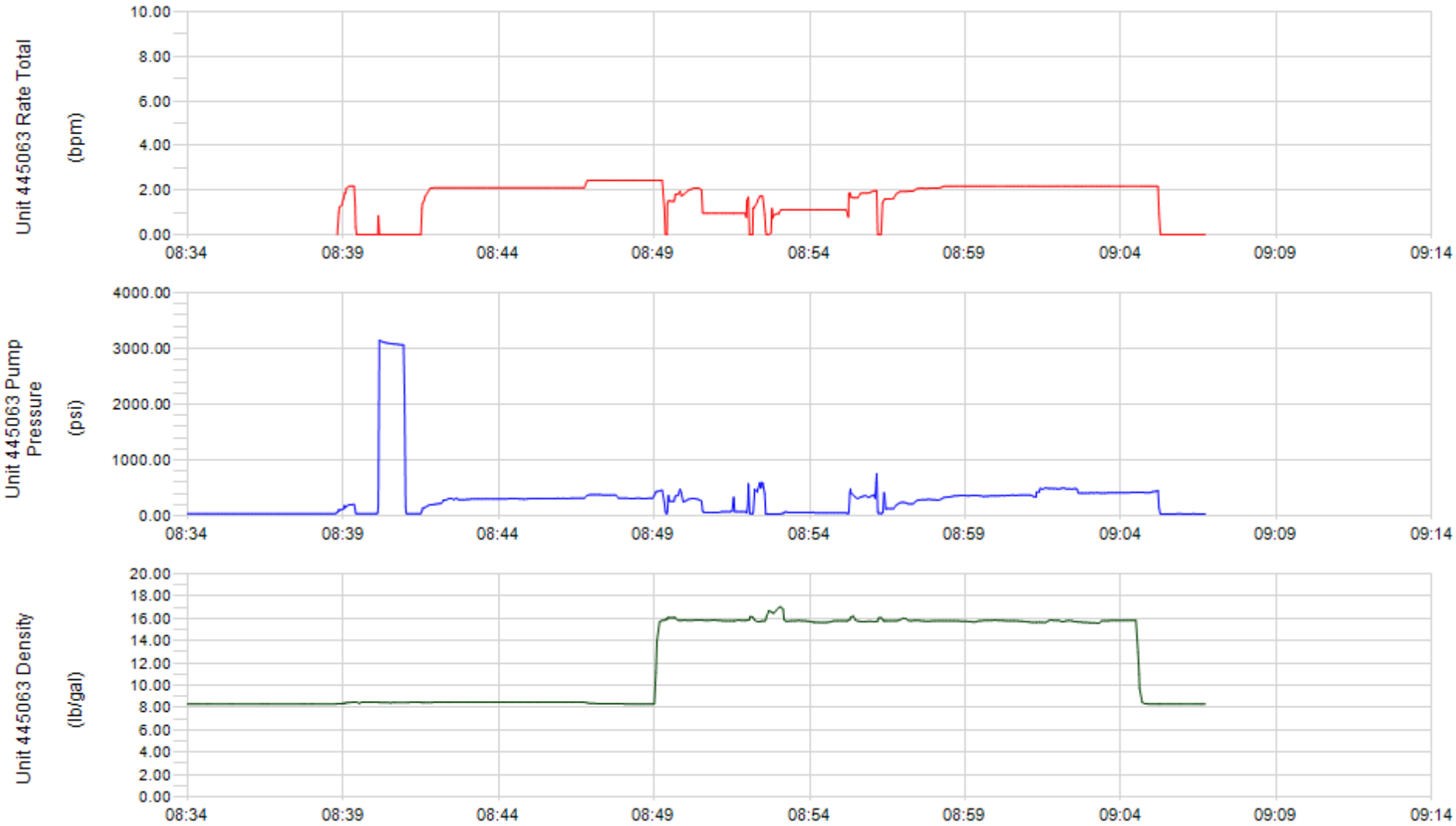
Customer:	OXY USA INC			**Date:**	8-Feb-24	**Serv. Supervisor:**	ANTHONY STAPLES		
Cust. Rep.:	Socorro Olivas			**Ticket #:**	BCO-2402-0015	**Serv. Center:**	Brighton - 3021		
Well Name:	WEST FARMS 22-14	**RTS Date:**	07-Feb-2024	**API Well #:**	**512322416**	**County:**	**WELD (CO)**	**State:**	COLORA
Well Type:	Oil	**RTS Time:**	7:00 AM	**Rig:**	**Brigade 11**	**Type of Job:**	**CM-P2A-PERM.**		

	Date	Time		Date	Time		Date	Time
Left Yard:	07-Feb-24	6:15 AM	**Left Loc.:**	07-Feb-24	**9:10 AM**	**Start Pump:**	07-Feb-24	8:06 AM
Arrived Loc.:	07-Feb-24	**7:00 AM**	**Returned Yd.:**	07-Feb-24	10:00 AM	**End Pump:**	07-Feb-24	8:45 AM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	**Stage Details**
6:15 AM								Left Yard or Current Location
7:00 AM							1	ARRIVE ON LOCATION
7:00 AM							1	SPOT EQUIPMENT
7:25 AM							1	RIG UP SAFETY MEETING
7:30 AM							1	RIG UP
7:45 AM							1	PRE-JOB SAFETY MEETING
8:06 AM	2.0		190		1.0 bbl	1.0 bbl	1	LOAD LINES
8:08 AM			3000				1	PRESSURE TEST
8:10 AM	2.1		307		9.0 bbl	10.0 bbl	1	SAPP
8:15 AM	2.1		320		5.0 bbl	15.0 bbl	1	H2O
8:17 AM	2.0		490		26.0 bbl	41.0 bbl	1	BATCH, WEIGH, AND PUMP 15.8# CEMENT
8:32 AM	2		480		1.9 bbl	42.9 bbl	1	DISPLACEMENT
8:33 AM							1	SHUTDOWN / BALANCE PLUG
8:35 AM							1	WASH UP PUMP AND LINES
8:45 AM							1	RIG OUT SAFETY MEETING
8:50 AM							1	RIG OUT
9:05 AM							1	LEAVE LOCATION

NEXTIER

Client	Oxy	Client Rep	Socorro	Supervisor	Anthony Staples
Ticket No.	24020015	Well Name	West Farms 22-14	Unit No.	445063
Location		Job Type	Abandonment Plugs	Service District	Brighton
Comments				Job Date	02/08/2024



LOCATION WATER TEST

General Information

Customer: OXY USA INC Date: 2/8/2024

Ticket # : BCO-2402-0015 Time: 7:45

Lease Name & # : WEST FARMS Water Source: Transport

Supervisor: ANTHONY STAPLES

Test Results Sample #1

	Field		Lab		Acceptable Range
Temp	70	° F		° F	Max Temp 120° F
pH	7.0				6.0 - 8.0
Sulfates	<200	mg/L		mg/L	Less Than 2000 mg/L
Chlorides	<500	mg/L		mg/L	Less Than 3000 mg/L
Hardness	420	mg/l		mg/l	Less Than 1000 mg/L
Iron	0	mg/l		mg/L	Less than 300 mg/L

Test Results Sample #2

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Test Results Sample #3

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Remarks:

NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2402-0016	2/9/2024

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512322416
WELL NAME	**RIG**	**JOB TYPE**
WEST FARMS 22-14	Brigade 11	CM-P2A-PERM.
SURFACE WELL LOCATION	**NEXTIER FIELD SUPERVISOR**	**CUSTOMER REP**
40.22417 -104.86383	Garrick Williamson	Socorro Olivas

WATER TEST DETAILS

Tank	Temp (°F)	pH	Sulfates (mg/L)	Chlorides (mg/L)	Hardness (mg/L)	Iron (mg/L)
1	60	7	>200	31	100	0
2						

WELL PROFILE

Max Treating Pressure (psi):	250	Bottom Hole Static Temperature (°F):	85°F
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1					
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 3/8	4.7		0	260	0	260
Surface	8 5/8	24		0	260	0	260

CEMENT DATA

Stage 1: Type:

From Depth (ft): 260 To Depth (ft): 0

Volume (sacks): 100 Volume (bbls): 21.6

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+2.0 % NAC-110	15.8	1.21	5.13

Stage 2: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 3: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

Stage 4: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	1 bbls of	Fresh Water	Calculated Displacement (bbl):		
	bbls of		Actual Displacement (bbl):		
	bbls of				

TotalPreflush/Spacer Volume (bbl):	1	Plug Bump (Y/N):	Bump Pressure (psi):
Total Slurry Volume (bbl):	21.6	Lost Returns (Y/N): N	(if Y, when)
Total Fluid Pumped	22.6		
Returns to Surface:	Cement 4 bbls		

Job Notes (fluids pumped / procedures / tools / etc.): Load lines with a bbl pressure test to 2000 mix and pump 100 sxs @ 15.8 ppg 1.21y 5.13wr scaled @ 15.8 to surface….

Customer Representative Signature:

Thank You For Using NexTier Completion Solutions

	Date	Time
YARD CALL	2/9/2024	7:00 AM
RTS DATE	09-Feb-2024	9:00:00 AM

DISTRICT

Brighton - 3021

CUSTOMER INFORMATION

Customer Name:	**OXY USA INC**
Customer #:	1000679
AFE #:	
Cust Contact:	Socorro Olivas
Cust Phone #:	303-253-1547
Order Placed By:	Socorro Olivas
Phone #:	
Proposed Job Amt:	$7,002.26

JOB INFORMATION

Ticket #:	**BCO-2402-0016**
PO #:	
Order Taken By:	Cody Michel
Order Date:	2/2/2024
Head Count:	3
NexTier Acct. Manager:	
NexTier Engineer	

WELL INFORMATION

API #:	512322416		
Field Name:	WATTENBERG		
Well Name:	WEST FARMS 22-14		
Well Type:	Old		
Formation:	JSND		
Rig Contractor:	Brigade		
Rig Name/Num.:	Brigade 11		
Rig Phone:			
County:	WELD (CO)		
State:	COLORADO		
Latitude:	40.22417		
Longitude:	-105		
NexTier Rep.			
Section-Township-Range	NWSW 14	3N	67W
Quote Number:	7-BCO_240129142048		

CASING DATA

Casing Size:	
Casing Weight:	
Shoe Joint Length:	**0 ft**

Open Hole Data

TVD:	**260 ft**
MD:	**260 ft**
Size ID:	
BHST:	**85°F**
BHCT:	**81°F**
°F / 100 or BHST:	**1.8 °F/100ft**
KOP:	**0 ft**

Previous Casing Size

Casing Size:	**8.625**
Casing Depth:	**260**

ACTUAL TABULAR DATA

Size	Grade	Weight	Mea.Depth
2 3/8	j-55	4.7	260
0			

CEMENTING PLUG

Qty	Size	Type	Material

TOP CONNECTION

Size	Type	Thread

JOB TYPE

CM-P2A-PERM.

048-JLPjob 6 2.19d

COMMENTS

SPECIAL JOB INSTRUCTIONS

100 lb Sugar

DIRECTIONS TO WELL

CR 32 & CR 21, S 0.25, E INTO

Emergency Contacts

Nearest Hospital:	Greeley	Phone Number:	911
Police Department:	Greeley	Phone Number:	911
Fire Department:	Greeley	Phone Number:	911

Designated Emergency Vehicle:	131155	Vehicle Location:	Site
MSDS on Dash of Emergency Vehicle? (y/n):	Y		

Muster Area #1	Leae location
Muster Area #2	Wind depending

Cell Phone Service on location? (y/n)	Y
If not, nearest working phone	

Iron Tracking

	Taken Out			Returned		
Iron Type	Taken By	Date Out	Time Out	Returned By	Date In	Time In

Cement Job Log

NEXTIER

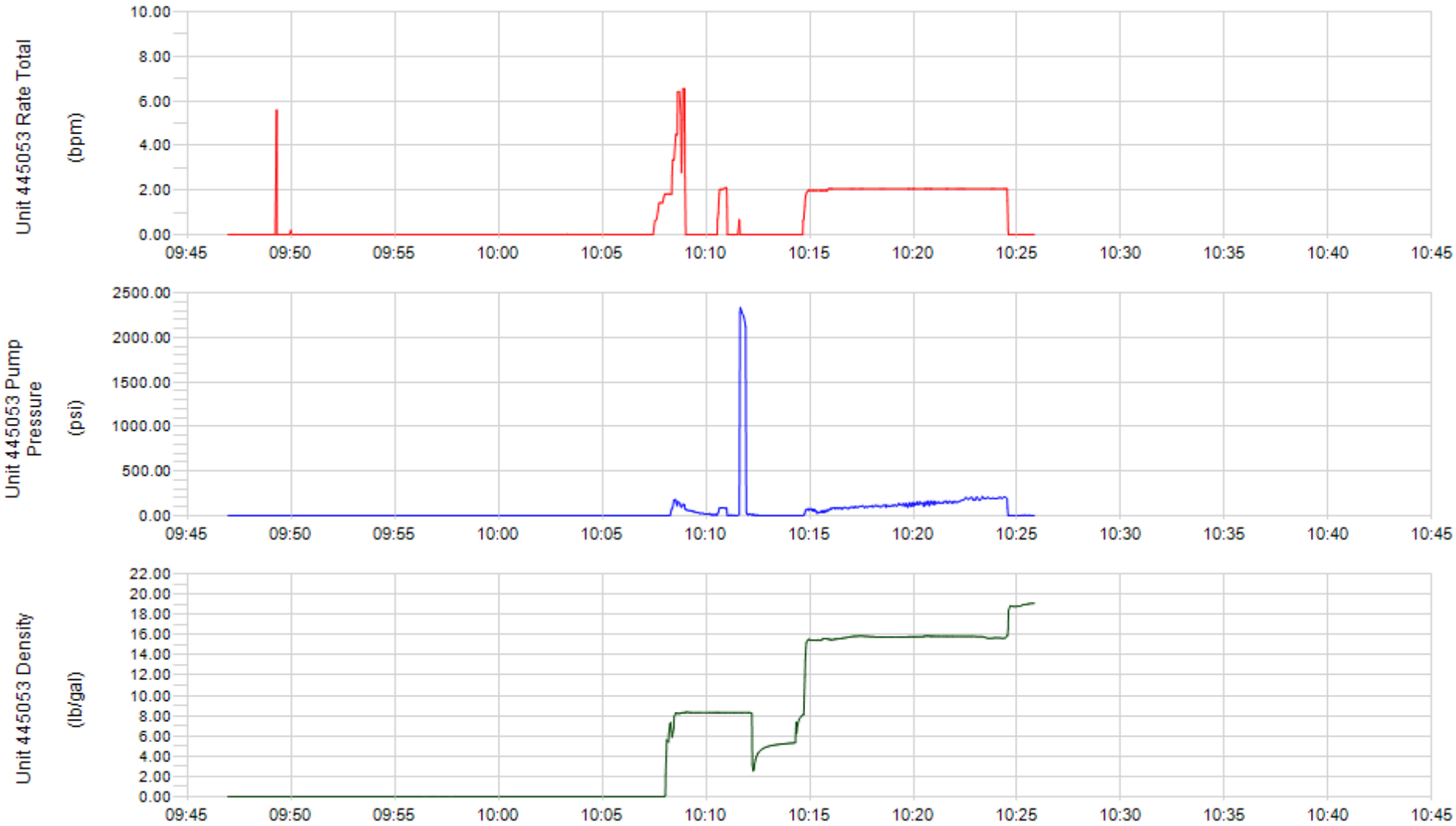
Customer:	OXY USA INC			**Date:**	9-Feb-24	**Serv. Supervisor:**	Garrick Williamson		
Cust. Rep.:	Socorro Olivas			**Ticket #:**	BCO-2402-0016	**Serv. Center:**	Brighton - 3021		
Well Name:	WEST FARMS 22-14	**RTS Date:**	09-Feb-2024	**API Well #:**	**512322416**	**County:**	**WELD (CO)**	**State:**	COLORA
Well Type:	Oil	**RTS Time:**	9:00 AM	**Rig:**	**Brigade 11**	**Type of Job:**	**CM-P2A-PERM.**		

	Date	Time		Date	Time		Date	Time
Left Yard:	09-Feb-24	8:30 AM	**Left Loc.:**	09-Feb-24	**10:50 AM**	**Start Pump:**	09-Feb-24	9:42 AM
Arrived Loc.:	09-Feb-24	**9:00 AM**	**Returned Yd.:**	09-Feb-24	12:00 PM	**End Pump:**	09-Feb-24	9:55 AM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	**Stage Details**
8:30 AM								Left Yard or Current Location
9:00 AM							1	ARRIVE ON LOCATION
9:05 AM							1	TAILGATE MEETING
9:10 AM							1	SPOT EQUITMENT
9:15 AM							1	RIG UP IRON AND HOSES
9:25 AM							1	PRE JOB SAFETY MEETING
9:42 AM	1		50		1.0 bbl	1.0 bbl	1	LOAD LINES
9:43 AM			2000				1	PRESSURE TEST
9:46 AM	2		100		21.6 bbl	22.6 bbl	1	MIX AND PUMP 100 SXS @ 15.8PPG 1.20Y 5.13WR SCALED @15.8
9:55 AM							1	SHUT DOWN
10:20 AM							1	WASH UP
10:35 AM							1	RIG DOWN IRON AND HOSES
10:45 AM							1	AAR
10:50 AM							1	LEAVE LOCATION

NexTier Oilfield Solutions

Client	OXY	Client Rep	SOCORRO OLIVAS	Supervisor	GARRICK WILLIAMSON
Ticket No.	24020016	Well Name	WEST FARMS22-14	Unit No.	445053
Location		Job Type	Abandonment Plugs	Service District	BRIGHTON
Comments				Job Date	02/09/2024



NEXTIER

LOCATION WATER TEST

General Information

Customer: OXY USA INC Date: 2/9/2024

Ticket # : BCO-2402-0016 Time: 9:10

Lease Name & # : WEST FARMS Water Source: TRUCK

Supervisor: Garrick Williamson

Test Results Sample #1

	Field		Lab		Acceptable Range
Temp	60	° F		° F	Max Temp 120° F
pH	7.0				6.0 - 8.0
Sulfates	>200	mg/L		mg/L	Less Than 2000 mg/L
Chlorides	31	mg/L		mg/L	Less Than 3000 mg/L
Hardness	100	mg/l		mg/l	Less Than 1000 mg/L
Iron	0	mg/l		mg/L	Less than 300 mg/L

Test Results Sample #2

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Test Results Sample #3

	Field		Lab		Acceptable Range
Temp		° F		° F	Max Temp 120° F
pH					6.0 - 8.0
Sulfates		mg/L		mg/L	Less Than 2000 mg/L
Chlorides		mg/L		mg/L	Less Than 3000 mg/L
Hardness		mg/l		mg/l	Less Than 1000 mg/L
Iron		mg/l		mg/L	Less than 300 mg/L

Remarks: