

NEXTIER		Job Summary		Ticket Number		Ticket Date									
		TN#		BCO-2304-0065		4/24/2023									
COUNTY		COMPANY		API Number											
WELD (CO)		OXY USA INC		512307670											
WELL NAME		RIG		JOB TYPE											
STATE 23		Brigade 3		CM-P2A-PERM.											
SURFACE WELL LOCATION		CJES Field Supervisor		CUSTOMER REP											
40.2289 -104.66377		Douglas Graves		Travis Rothe											
EMPLOYEES															
Mike Arthur															
Martin Vasquez															
WELL PROFILE															
Max Treating Pressure (psi):		3500		Bottom Hole Static Temperature (°F):		203									
Bottom Hole Circulating Temperature (°F):		135		Well Type:		P&A									
Open Hole															
1		Size (in)		TMD From (ft)		TMD to (ft)		TVD From (Ft)		TVD to (Ft)					
2		Size (in)		TMD From (ft)		TMD to (ft)		TVD From (Ft)		TVD to (Ft)					
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				6818		0					
Type		Size (in)		Weight (lb/ft)		Grade		TMD From (ft)		TMD to (ft)		TVD From (Ft)		TVD to (Ft)	
Tubing		2.375		4.7				6818		0					
Type		Size (in)		Weight (lb/ft)		Grade		TMD From (ft)		TMD to (ft)		TVD From (Ft)		TVD to (Ft)	
CEMENT DATA															
Stage 1:		From Depth (ft):		6818		To Depth (ft):		6205							
Type: Squeeze		Volume (sacks):		35		Volume (bbls):		9.5							
Cement & Additives:		Density (ppg)		Yield (ft³/sk)		Water Req.									
100%NCM-914+0.4%NFL-551+0.4%NFL-549+35%NWT-766+0.2%NRT-213+0.3%NDS-417		15.8		1.52		6.18									
Stage 2:		From Depth (ft):				To Depth (ft):									
Type:		Volume (sacks):				Volume (bbls):									
Cement & Additives:		Density (ppg)		Yield (ft³/sk)		Water Req.									
Stage 3:		From Depth (ft):				To Depth (ft):									
Type:		Volume (sacks):				Volume (bbls):									
Cement & Additives:		Density (ppg)		Yield (ft³/sk)		Water Req.									
Stage 4:		From Depth (ft):				To Depth (ft):									
Type:		Volume (sacks):				Volume (bbls):									
Cement & Additives:		Density (ppg)		Yield (ft³/sk)		Water Req.									
SUMMARY															
Preflushes:		1 bbls of		Fresh Water		Calculated Displacement (bbl):		24		Stage 1		Stage 2			
		bbls of				Actual Displacement (bbl):		24							
		bbls of													
Total Preflush/Spacer Volume (bbl):		1				Plug Bump (Y/N):				Bump Pressure (psi):					
Total Slurry Volume (bbl):		9.5				Lost Returns (Y/N):				(if Y, when)					
Total Fluid Pumped		34.5													
Returns to Surface:				bbls											
Job Notes (fluids pumped / procedures / tools / etc.):		TOC-6205. EOT-6818. Slurry scaled @15.8ppg. Job pumped as per customer request.													
Customer Representative Signature:		Thank You For Using NexTier Completion Solutions													

Cement Job Log



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

Customer:	OXY USA INC	Date:	24-Apr-23	Serv. Supervisor:	Douglas Graves		
Cust. Rep.:	Travis Rothe	Ticket #:	BCO-2304-0065	Serv. Center	Brighton - 3021		
Well Name:	STATE 23	API Well #:	512307670	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 3	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 bbls Fresh - Spacer				0%	-	-	5.00	-	
NIO AGM Blend - 35 sx NIO, Displace to 6200'	100 % NCM-914 +0.4 % NFL-551+0.4 % NFL-549+35.0 % NWT-766+0.2 % NRT-213+0.3 % NDS-417	35	15.8	0%	1.52	6.18	9.47	53.19	5
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA			TUBULAR DATA									
7.875 in. O.H. 474 to 6,818 ft			4.5 in. 11.6#, (0 to 6,818 ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
								(ft)		(in)	(psi)	(psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.							

PREVIOUS CASING DATA			PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
8.625 in. 24# (0 to 474 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)				
Bumped Plug	Final Differential (psi)	Floater 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)	

Comments/Additional Details:

						<i>Douglas Graves</i> Service Supervisor			24-Apr-23 Date		
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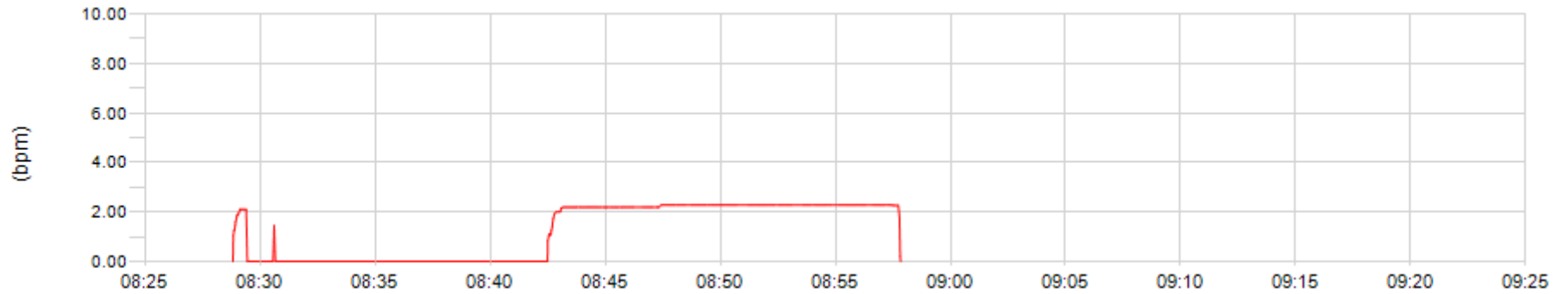


Client Oxy USA
Ticket No. 23040065
Location Sec 16T3NR65W
Comments 'G' Cement + Chemicals

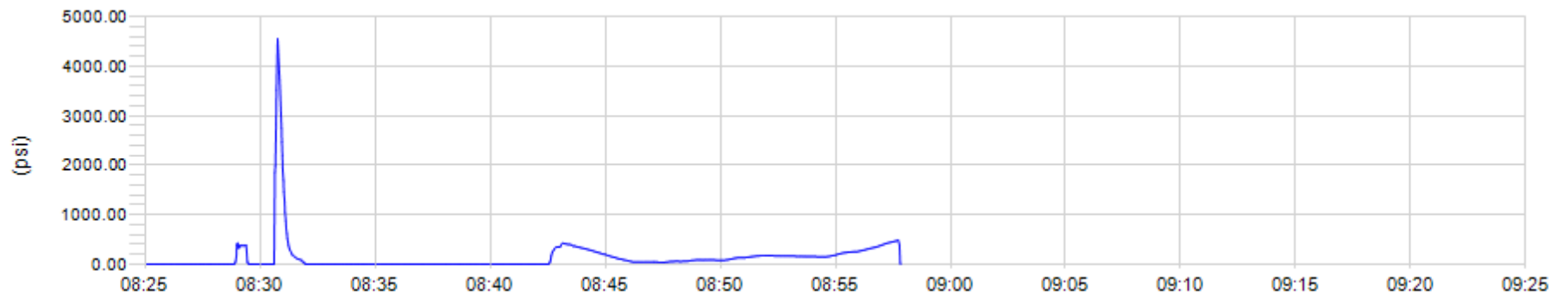
Client Rep Travis Rothe
Well Name State 23
Job Type Abandonment Plugs

Supervisor Douglas Graves
Unit No. 945063
Service District Brighton
Job Date 04/24/2023

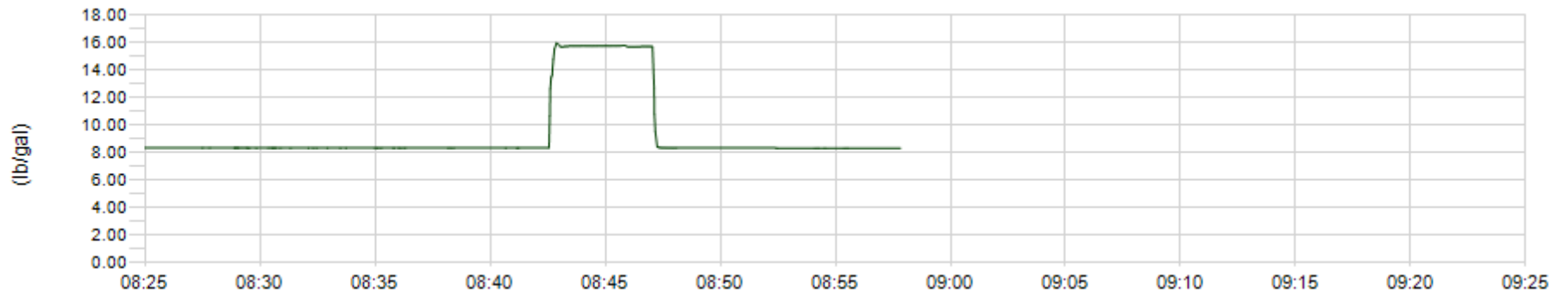
Unit 945063 Rate Total



Unit 945063 Pump Pressure



Unit 945063 Density



NEXTIER Job Summary		Ticket Number TN# BCO-2304-0066		Ticket Date 4/25/2023	
COUNTY	COMPANY		API Number		
WELD (CO)	OXY USA INC		512307670		
WELL NAME STATE 23	RIG Brigade 3		JOB TYPE CM-P2A-PERM.		
SURFACE WELL LOCATION 40.2289 -104.66377		CJES Field Supervisor Douglas Graves		CUSTOMER REP Travis Rothe	
EMPLOYEES					
<i>Mike Arthur</i>					
<i>Martin Vasquez</i>					
WELL PROFILE					
Max Treating Pressure (psi):		3890	Bottom Hole Static Temperature (°F):		156
Bottom Hole Circulating Temperature (°F):		106	Well Type:		P&A

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.875	4226	474		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Casing	8.625	24		474	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Casing	4.5	11.6		4196	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1: From Depth (ft): **4226** To Depth (ft): **4131**
 Type: **Squeeze**
 Volume (sacks): **100** Volume (bbls): **20.8**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100%NCM-914+0.4%NFL-551+0.3%NDS-417+0.25%NFL-549+2%NAC-101	15.8	1.17	5.04

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

Preflushes:	1 bbls of Fresh Water	Calculated Displacement (bbl):	15.3	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	15.3		
	bbls of				
Total Preflush/Spacer Volume (bbl):	1	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Slurry Volume (bbl):	20.9	Lost Returns (Y/N):		(if Y, when)	
Total Fluid Pumped	37.2				
Returns to Surface:					

Job Notes (fluids pumped / procedures / tools / etc.): **TOC-4131. Retainer-4196. Perfs-4226. Left one bbl slurry on top of retainer. Slurry scaled @15.8 ppg. Job pumped as per customer request.**

Customer Representative Signature: **Thank You For Using NexTier Completion Solutions**

Cement Job Log



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

Customer:	OXY USA INC	Date:	25-Apr-23	Serv. Supervisor:	Douglas Graves		
Cust. Rep.:	Travis Rothe	Ticket #:	BCO-2304-0066	Serv. Center	Brighton - 3021		
Well Name:	STATE 23	API Well #:	512307670	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 3	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 @ 4226', CICR @ 4196'	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%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA			TUBULAR DATA									
7.88 in. O.H. 474 to 4,226 ft			4.5 in. 11.6#, (0 to 4,226 ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
								(ft)		(in)	(psi)	(psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	2.375 / 4.7		4196				
60.0 °F	60.0 °F	80.0 °F										

PREVIOUS CASING DATA			PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
8.625 in. 24# (0 to 474 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)				
Water based	8.3 ppg		Water	8.3 ppg					250	7	70.0 °F	110
Bumped Plug	Final Differential (psi)	Floater 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)	

Comments/Additional Details:

						<i>Douglas Graves</i> Service Supervisor			<i>25-Apr-23</i> Date		
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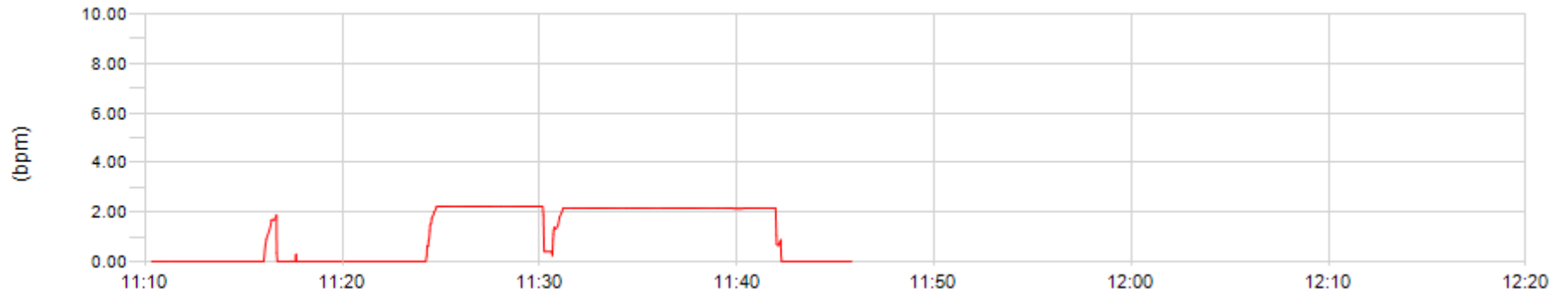


Client Oxy USA
Ticket No. 23040066
Location Sec 16T3NR65W
Comments 'G' Cement + Chemicals

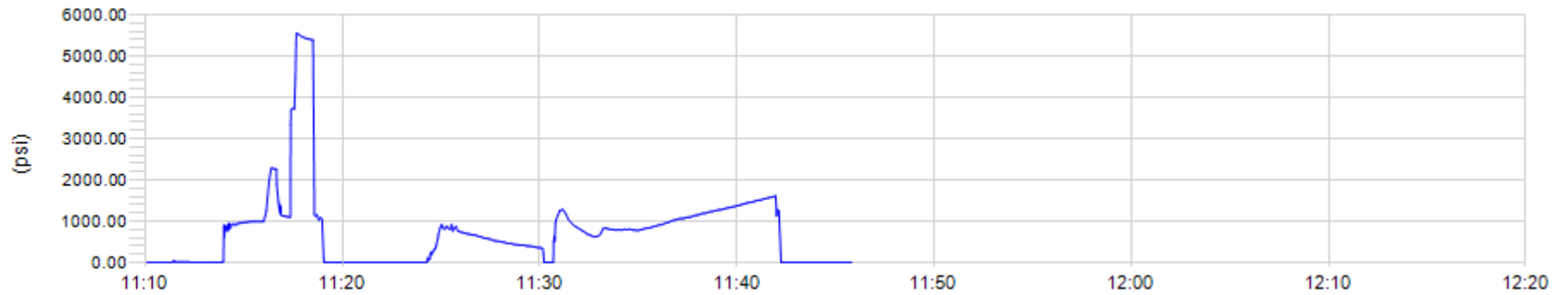
Client Rep Travis Rothe
Well Name State 23
Job Type Abandonment Plugs

Supervisor Douglas Graves
Unit No. 945063
Service District Brighton
Job Date 04/25/2023

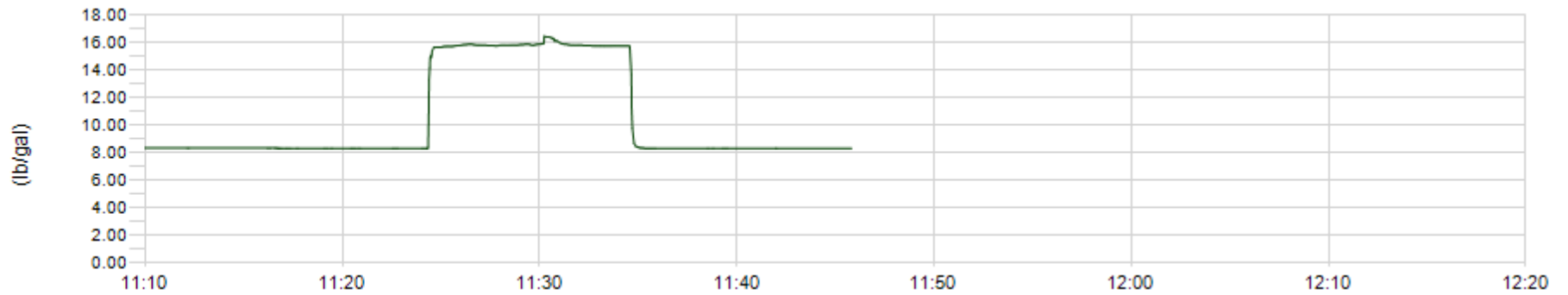
Unit 945063 Rate Total



Unit 945063 Pump Pressure



Unit 945063 Density





Job Summary

Ticket Number
TN# **BCO-2304-0069**

Ticket Date
4/27/2023

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512307670
WELL NAME	RIG	JOB TYPE
STATE 23	Brigade 3	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.2289 -104.66377	Anthony Staples	Travis Rothe

EMPLOYEES		
GEYEMEL JONES		
RICHARD HOOKS		

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

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.88	474	2800	474	2800
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

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			0	474	0	474
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5			0	2800	0	2800
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing							

CEMENT DATA

Stage 1:
Type: **Shoe Plugs**

From Depth (ft): **2800** To Depth (ft): **2100**

Volume (sacks): **220** Volume (bbls): **47**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-914 + .4% NFL-551 + 4% NAC-101 + 1% NAC-110	15.8	1.20	5.13

Stage 2:
Type: **Surface Plug**

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

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

Stage 3:
Type: **Top Off**

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

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

Stage 4:
Type:

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

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

Preflushes:	8 bbls of Fresh Water	Calculated Displacement (bbl):	32.6	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	32.6		
	bbls of				
Total Preflush/Spacer Volume (bbl):	8	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Slurry Volume (bbl):	47	Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	87				
Returns to Surface:					

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

Pumped 8 bbls H2O + 220 sks (47 bbls) of 15.8# Cement + 32.6 bbls Displacement. Displaced Cement to 2100 ft.

Customer Representative Signature:

Thank You For Using
NexTier Completion Solutions

Cement Job Log



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

Customer:	OXY USA INC	Date:	27-Apr-23	Serv. Supervisor:	Anthony Staples		
Cust. Rep.:	Travis Rothe	Ticket #:	BCO-2304-0069	Serv. Center	Brighton - 3021		
Well Name:	STATE 23	API Well #:	512307670	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 3	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 @ 2800', Displace to 2100'	100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.0 % NAC-110	220	15.8	25%	1.20	5.13	47.02	264.03	27
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA			TUBULAR DATA									
7.88 in. O.H. 474 to 2,800 ft			4.5 in. 11.6#, (0 to 2,800 ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
								(ft)		(in)	(psi)	(psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.							
48.0 °F		77.0 °F										

PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
8.625 in. 24# (0 to 474 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	8.4 ppg	32.6 bbl	H2O	8.3 ppg				1000	129	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)	
					2,100	Yes	300.00	No	2.00	No		

Comments/Additional Details:

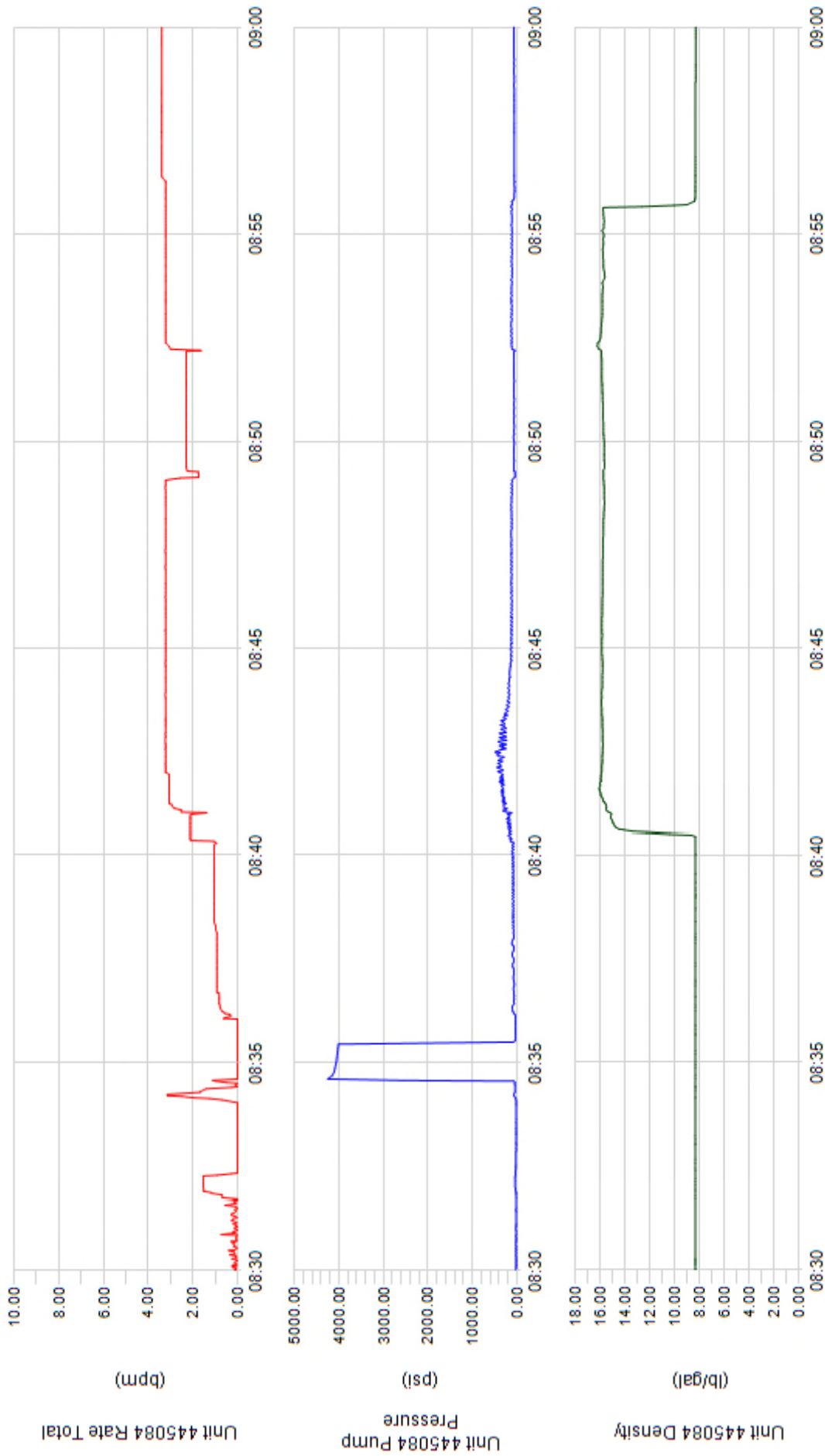
						Anthony Staples		27-Apr-23
						Service Supervisor		Date

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Client	Oxy	Client Rep	Supervisor
Ticket No.	23040069	Well Name	Unit No.
Location	Abandonment Plugs	Job Type	Service District
Comments		Job Date	

Anthony Staples
445084
Brighton
04/27/2023





Job Summary

Ticket Number	Ticket Date
TN# BCO-2305-0003	5/1/2023

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512307670
WELL NAME	RIG	JOB TYPE
STATE 23	Brigade 3	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.2289 -104.66377	Jeff Kopp	Travis Rothe

EMPLOYEES
Aj S
Gemayel J

WELL PROFILE			
Max Treating Pressure (psi):	1900	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.88	474	1802		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4 1/2	11.6		0	1802		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	1100	To Depth (ft):	1802	
	Type: squeeze				
	Volume (sacks):	220	Volume (bbls):	47	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req.
			15.8	1.20	5.13

Stage 2:

Type:

From Depth (ft):

To Depth (ft):

Volume (sacks):

Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

Stage 3:	From Depth (ft):		To Depth (ft):	
	Type:			
	Volume (sacks):		Volume (bbls):	
	Cement & Additives:		Density (ppg)	Yield (ft³/sk)
				Water Rec

Stage 4:

Type:

From Depth (ft):

To Depth (ft):

Volume (sacks):

Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

Preflushes:	bbls of		Calculated Displacement (bbl):	Stage 1	Stage 2
	bbls of		Actual Displacement (bbl):	17.1	
	bbls of			17.4	
Total Preflush/Spacer Volume (bbl):			Plug Bump (Y/N):	N/A	Bump Pressure (psi):
Total Slurry Volume (bbl):	47		Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	47				
Returns to Surface:		bbls			

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

Filled lines and pressure tested to 4314psi. Batched up cement. Verfied mud scale @15.8ppg. Pumped 220sxs @15.8ppg 1.20y 5.13wr. Displace to 1100ft.

Customer Representative Signature:

Thank You For Using
NexTier Completion Solutions

Cement Job Log



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

Customer:	OXY USA INC	Date:	1-May-23	Serv. Supervisor:	Jeff Kopp		
Cust. Rep.:	Travis Rothe	Ticket #:	BCO-2305-0003	Serv. Center	Brighton - 3021		
Well Name:	STATE 23	API Well #:	512307670	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 3	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 @ 1800', Displace to 1100'	100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+1.5 % NAC-110	220	15.8	25%	1.20	5.13	47.18	264.94	27
0				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	

Displacement Chemicals:

OPEN HOLE DATA			TUBULAR DATA									
7.88 in. O.H. 474 to 1,800 ft			4.5 in. 11.6#, (0 to 1,800 ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
								(ft)		(in)	(psi)	(psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	N/A		N/A	N/A	N/A	N/A	N/A
56.0 °F	56.0 °F	89.0 °F	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A

PREVIOUS CASING DATA			PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
8.625 in. 24# (0 to 474 ft)			TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
			N/A	1800	N/A	N/A	N/A	N/A	N/A	N/A
			N/A	N/A	N/A	N/A				

WELL FLUID			DISPLACEMENT FLUID			DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY								
WATER BASED	8.3 ppg	17.4 bbl	H2O	8.3 ppg		N/A	N/A	1900	N/A	N/A	N/A	150

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)
					1,100	Yes					

Comments/Additional Details:

						<div>Jeff Kopp</div> <div>Service Supervisor</div>						<div>1-May-23</div> <div>Date</div>
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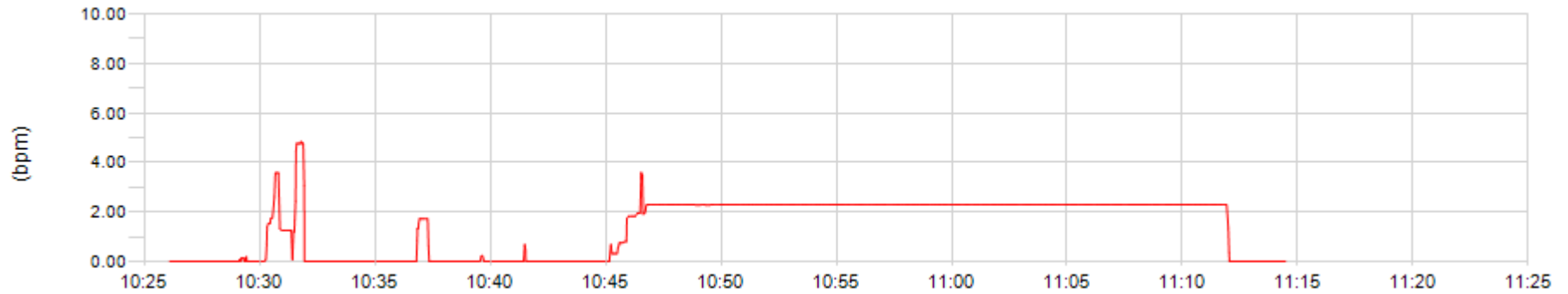


Client OXY
Ticket No. 23050003
Location
Comments

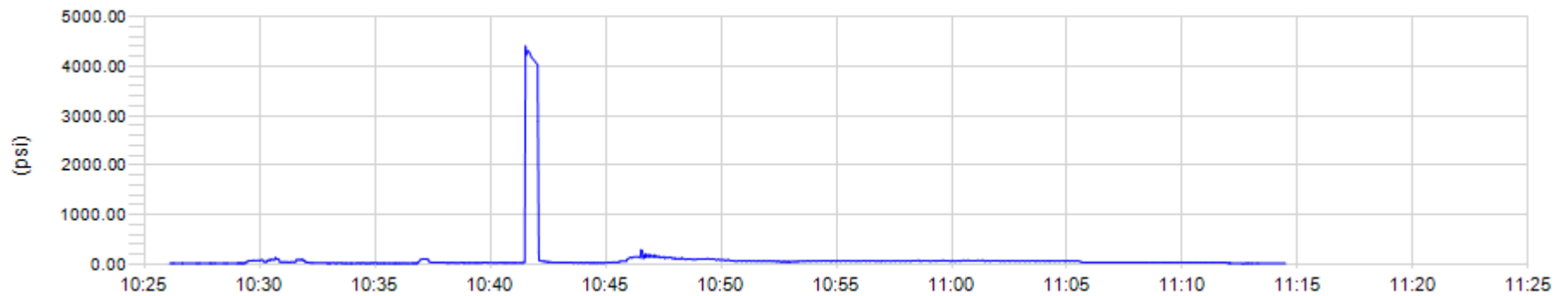
Client Rep Travis
Well Name STATE 23
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 05/01/2023

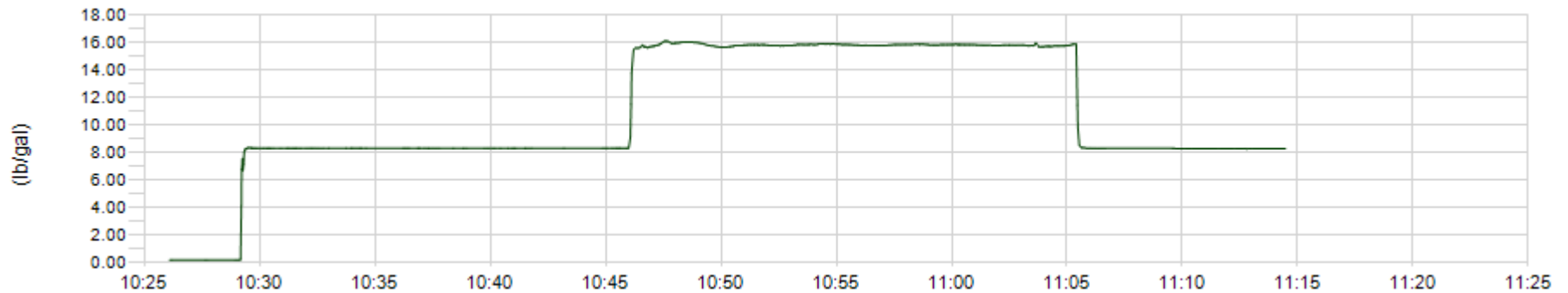
Unit 445084 Rate Total



Unit 445084 Pump Pressure



Unit 445084 Density





Job Summary

Ticket Number
TN# **BCO-2305-0010**

Ticket Date
5/2/2023

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512307670
WELL NAME	RIG	JOB TYPE
STATE 23	Brigade 3	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.2289 -104.66377	Anthony Staples	Travis Rothe

EMPLOYEES
JEFF KOPP
RICHARD HOOKS

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

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.88	474	610	474	610
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

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	474	0	474
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	610	0	610
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	610	To Depth (ft):	350
Type: Shoe Plugs	Volume (sacks):	115	Volume (bbls):	25.6

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-914 + .4% NFL-551 + 4% NAC-101 + 1.5% NAC-110	15.8	1.20	5.13

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

Preflushes:	1 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1 1.4	Stage 2
		Actual Displacement (bbl):	1.4	
Total Preflush/Spacer Volume (bbl):	1	Plug Bump (Y/N):		Bump Pressure (psi):
Total Slurry Volume (bbl):	24.6	Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	27			
Returns to Surface:				

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

Pumped 1 bbl H2O + 115 sks (24.6 bbls) og 15.8# Cement + 1.4 bbls Displacement to balance out Plug. Calculated top of Cement is at 350 ft

Customer Representative Signature:

Thank You For Using
NexTier Completion Solutions



Customer:	OXY USA INC	Date:	2-May-23	Serv. Supervisor:	Anthony Staples		
Cust. Rep.:	Travis Rothe	Ticket #:	BCO-2305-0010	Serv. Center	Brighton - 3021		
Well Name:	STATE 23	API Well #:	512307670	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 3	Type of Job:	CM-P2A-PERM.		

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8.625 in. 24# (0 to 474 ft)	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP

DC

TYPE	DENSITY	VOLUME	TYPE	DENSITY		(psi)	(psi)	(psi)	Chlorides (ppm)	Mix H2O pH	Temp	(bbl)
H2O	8.4 ppg	1.35 bbl	H2O	8.3 ppg				500	129	7	70.0 °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)	
			-	-	350	Yes	169.00	No	2.00	No		

	<div style="text-align: right;"> <i>Anthony Staples</i> 2-May-23 </div>
	<div style="text-align: right;"> Service Supervisor Date </div>

[illegible]



Client

Ticket No.

Location

Comments

Oxy

23050010

Client Rep

Well Name

Job Type

Travis

State 23

Abandonment Plugs

Supervisor

Unit No.

Service District

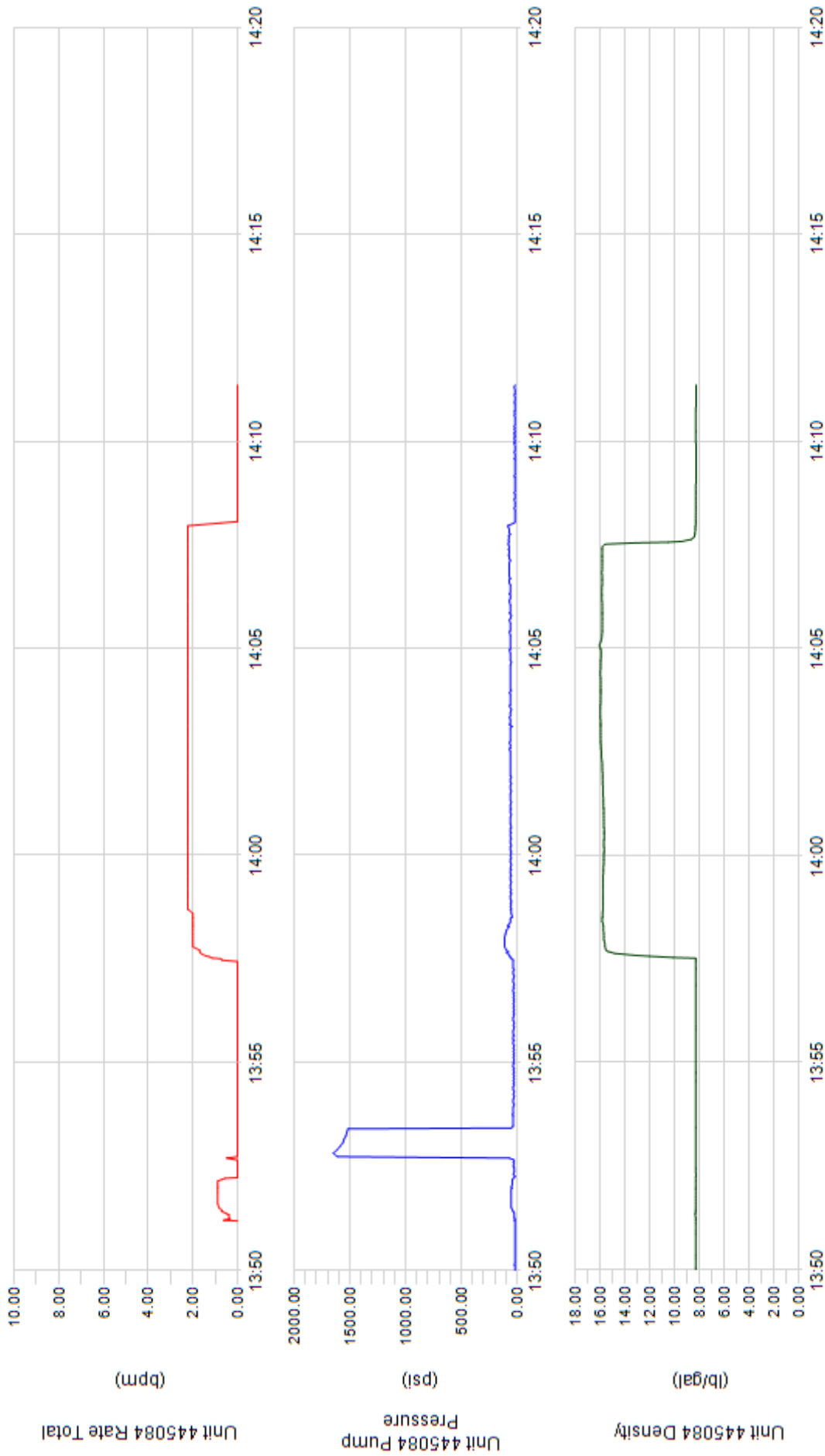
Job Date

Anthony Staples

445084

Brighton

05/02/2023





Job Summary

Ticket Number
TN# **BCO-2305-0014** Ticket Date
5/3/2023

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512307670
WELL NAME	RIG	JOB TYPE
STATE 23	Brigade 3	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.2289 -104.66377	Jeff Kopp	Travis Rothe

EMPLOYEES
<i>Ryan P</i>
<i>Gemayel J</i>
<i>Doug G300</i>

WELL PROFILE			
Max Treating Pressure (psi):	300	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

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

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 5/8	24		0	425		
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	425		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1: From Depth (ft): **323** To Depth (ft): **425**
Type: **Balance Plug**
Volume (sacks): **30** Volume (bbls): **6.5**

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	15.8	1.21	5.13

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	1.3	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	1.3		
	bbls of				
Total Preflush/Spacer Volume (bbl):	5	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	6.5	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	11.5				
Returns to Surface:					

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

Filled lines and pressure tested to 1094psi. Pumped fresh water and batched up cement. Verified mud scale @15.8ppg. Pumped 30sxs @15.8ppg 1.21y 5.13wr. Displace to balance well.

Customer Representative Signature:

Thank You For Using
NexTier Completion Solutions



Customer:	OXY USA INC	Date:	3-May-23	Serv. Supervisor:	Jeff Kopp		
Cust. Rep.:	Travis Rothe	Ticket #:	BCO-2305-0014	Serv. Center	Brighton - 3021		
Well Name:	STATE 23	API Well #:	512307670	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Brigade 3	Type of Job:	CM-P2A-PERM.		

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OPEN HOLE DATA			TUBULAR DATA									
						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		425	J-55	2	N/A	N/A
62.0 °F	62.0 °F	71.0 °F	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A

8.625 in. 24# (0 to 260 ft)	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A				

TYPE	DENSITY	VOLUME	TYPE	DENSITY	(psi)	(psi)	(psi)	Chlorides (ppm)	Mix H2O pH	Temp	(bbl)
WATER BASED	8.3 ppg	1.3 bbl	H2O	8.3 ppg	N/A	N/A	300	N/A	N/A	N/A	80

Comments/Additional Details:

Date

NEXTier

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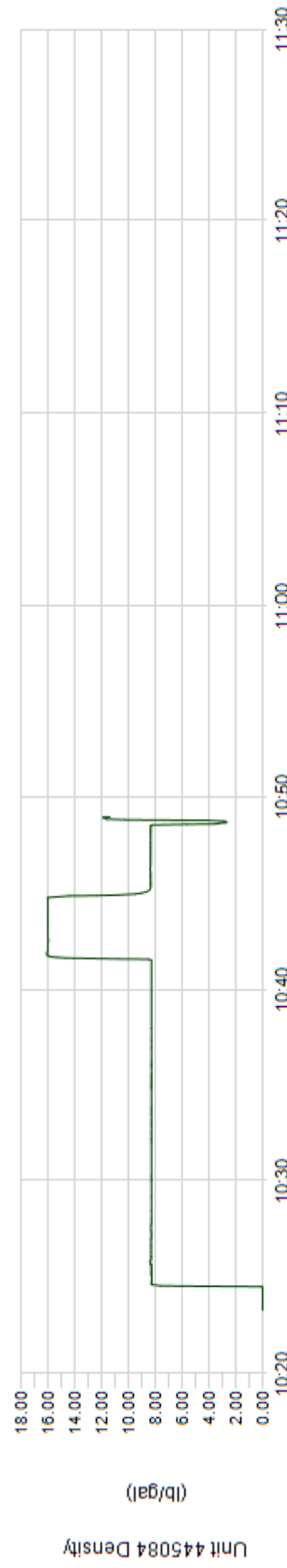
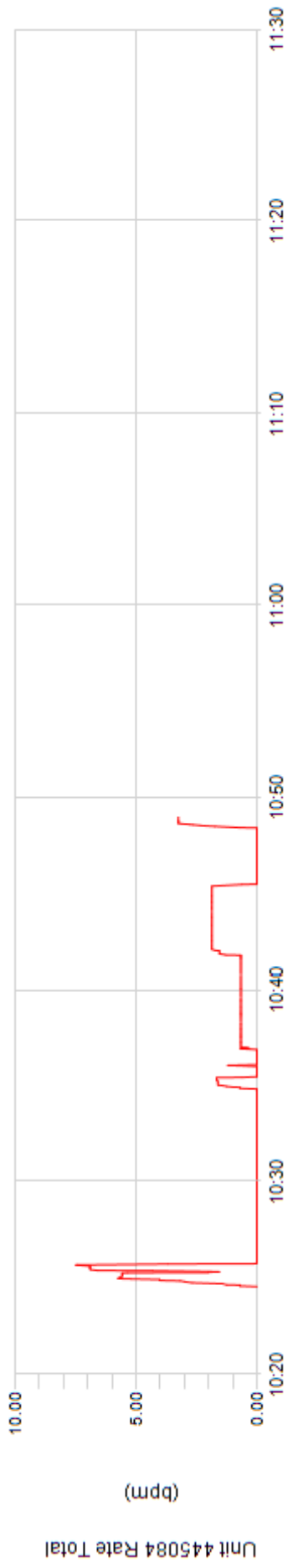
Client
Ticket No. 23050014
Location
Comments

Client Rep
Well Name
Job Type

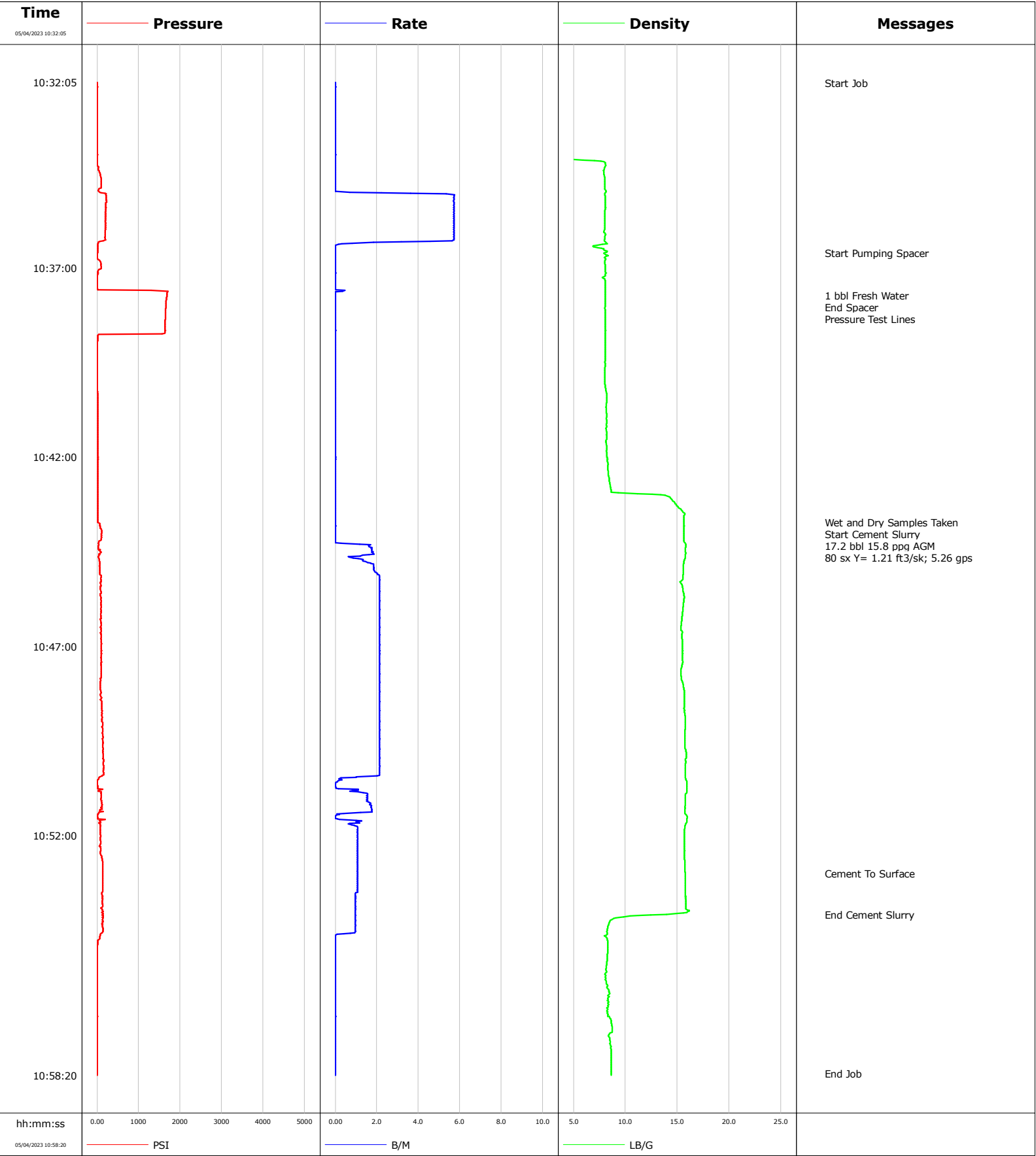
Travis
STATE 23
Abandonment Plugs

Supervisor
Unit No.
Service District
Job Date

Jeff Kopp
445084
Brighton Co
05/03/2023



Well	State	Client	Oxy
Field	Wattenberg	SIR No.	EOIC-01544
Engineer	Ken Sovereign	Job Type	Plug and Abandon
Country	United States	Job Date	05-03-2023



				Customer Oxy		Job Number EOIC-01544	
Well State 23			Location (legal)		Schlumberger Location Cheyenne Remedial		Job Start May/03/2023
Field Wattenberg		Formation Name/Type		Deviation deg	Bit Size in	Well MD 260.0 ft	Well TVD 260.0 ft
County Weld		State/Province CO		BHP psi	BHST 90 degF	BHCT 80 degF	Pore Press. Gradient lb/gal
Well Master 66101629		API/UWI 05-123-07670					
Rig Name Brigade 3		Drilled For Oil		Service Via Land		Casing/Liner	
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class Old		Well Type Workover			
				260.0	8.6	24.0	
				0.0	0.0	0.0	
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing		Job Type Plug and Abandon		T	260.0	2.4	4.7
					0.0	0.0	0.0
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi	WH Connection 2 3/8" 4.7# T/S	Perforations/Open Hole			
				Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
				Treat Down Tubing	Displacement 0.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. 1.0 bbl	Casing Vol. 16.6 bbl	Annular Vol. 15.1 bbl	Openhole Vol. bbl
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure psi				Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth ft	
Cement Head Type				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For May/03/2023		Arrived on Location May/03/2023		Leave Location May/03/2023		Collar Type	
						Tail Pipe Depth ft	
						Collar Depth ft	
						Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/04/2023	10:32:05	0	0.0	0.04	0.0	Started Acquisition	
05/04/2023	10:32:07	0	0.0	0.04	0.0	Start Job	
05/04/2023	10:36:36	14	0.0	8.02	7.4	Start Pumping Spacer	
05/04/2023	10:37:44	1680	0.0	8.08	7.4	1 bbl Fresh Water	
05/04/2023	10:38:09	1653	0.0	8.09	7.4	Pressure Test Lines	
05/04/2023	10:42:05	14	0.0	8.25	7.4		
05/04/2023	10:43:43	14	0.0	15.63	7.4	Wet and Dry Samples Taken	
05/04/2023	10:47:05	101	2.1	15.49	13.0		
05/04/2023	10:52:05	82	1.1	15.69	21.7		
05/04/2023	10:53:00	133	1.1	15.77	22.7	Cement To Surface	
05/04/2023	10:54:05	124	1.0	13.98	23.8	End Cement Slurry	
05/04/2023	10:57:05	9	0.0	8.73	24.3		

Well State 23	Field Wattenberg	Job Start May/03/2023	Customer Oxy	Job Number EOIC-01544
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 2.1	N2		Mud	Maximum Rate 2.3	Total Slurry 17.2	Mud 0.0		Spacer 1.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 1712	Final 9	Average 145	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 17.2 bbl		Displacement 0.0 bbl		Mix Water Temp 71 degF		Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To ft
Customer or Authorized Representative Travis Rothe				Schlumberger Supervisor Ken Sovereign				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	