



Job Summary

Ticket Number

TN#

BCO-2203-0049

Ticket Date

3/27/2022

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512307225
WELL NAME	RIG	JOB TYPE
UPRR PAN AM B 1 41	Ensign 122	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.278699 -104.92069	Jeff Kopp	Jeremy Duty

EMPLOYEES

Ray		
Chance B		

WELL PROFILE

Max Treating Pressure (psi):	2500	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	334	7973		
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	334		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Drill Pipe	4 1/2	16.6		0	7300		
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):	6708	To Depth (ft):	7300	
Type: Nio AGM	Volume (sacks):	140	Volume (bbls):	37.9	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.52	6.18
Stage 2:	From Depth (ft):	3700	To Depth (ft):	4600	
Type: Sussex AGM	Volume (sacks):	325	Volume (bbls):	67.7	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.17	5.04
Stage 3:	From Depth (ft):	2500	To Depth (ft):	3500	
Type: Sussex AGM	Volume (sacks):	365	Volume (bbls):	76	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.17	5.04
Stage 4:	From Depth (ft):	1000	To Depth (ft):	2000	
Type: AGM	Volume (sacks):	355	Volume (bbls):	75.8	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.20	5.13

SUMMARY

			Stage 1	Stage 2
Preflushes:	40 bbls of SAPP	Calculated Displacement (bbl):	96.5	52.5
	20 bbls of Fresh Water	Actual Displacement (bbl):	94.5	51.2
	bbls of			
Total Preflush/Spacer Volume (bbl):	60	Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Slurry Volume (bbl):	257.4	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	317.4			
Returns to Surface:	Cement	0 bbls		

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

Filled lines and pressure tested to 2700psi. Pumped 10bbls of SAPP followed by 5bbls of fresh water. Mix and pumped 140sxs @ 15.8ppg 1.52y 6.18wr. Displace to TOC. Pumped 10bbls SAPP followed by 5bbls of fresh. Mixed and pumped 325sxs @ 15.8ppg 1.17y 5.04wr. Displace to TOC. Pumped 10bbls of SAPP followed by 5bbls fresh. Mix and pumped 365sxs @ 15.8ppg 1.17y 5.04wr. Displace to TOC. Pumped 10bbls of SAPP followed by 5bbls of fresh. Mix and pumped 355sxs

Thank You For Using

NexTier Completion Solutions

Customer Representative Signature:



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TN# **BCO-2203-0049** Ticket Date
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SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
	Jeff Kopp	Jeremy Duty

EMPLOYEES
<i>Ray</i>
<i>Chance B</i>

Max Treating Pressure (psi):	2500	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	334	7973		
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	334		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Drill Pipe	4 1/2	16.6		0	7900		
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):	100	To Depth (ft):	1000	
	Type: AGM				
	Volume (sacks):	380	Volume (bbls):	81.2	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.20	5.13

Stage 2:

Type: **Surface AGM**

From Depth (ft):

0

To Depth (ft):

100

Volume (sacks):

45

Volume (bbls):

9.6

Cement & Additives:

Density (ppg)

Yield (ft³/sk)

Water Req.

15.8

1.21

5.13

Stage 3:	From Depth (ft):		To Depth (ft):	
	Type:			
	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 (ft^3/sk)	Water Req.

SUMMARY

	Stage 1	Stage 2
Preflushes:		
7 bbls of Fresh Water	4	
bbls of	4	
bbls of		
Total Preflush/Spacer Volume (bbl):	7	
Total Slurry Volume (bbl):	90.8	
Total Fluid Pumped	97.8	
Returns to Surface:	Cement 33.6 bbls	

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

Pumped fresh ahead of cement. Mix and pumped 380sxs @15.8ppg 1.20y 5.13wr. Displace to clear the lines. Got 30bbls of cement back to surface on plug 5. Mix and pumped 9.6bbls to bring cement to surface from 100ft inside surface casing. With 3.6bbls back to surface.

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-Mar-22	Serv. Supervisor:	Jeff Kopp	
Cust. Rep.:	Jeremy Duty	Ticket #:	BCO-2203-0049	Serv. Center	Brighton - 3021	
Well Name:	UPRR PAN AM B 1 41	API Well #:	512307225	County:	WELD (CO)	State: COLORADO
Well Type:	Oil	Rig:	Ensign 122	Type of Job:	CM-P2A-PERM.	

Materials Furnished by NexTier

Plugs	Casing Hardware	Physical Slurry Properties							
N/A	N/A	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 MudFlush - Mudflush ahead of first 5 plugs followed by 5 bbls	+10.0 PPB NSP-890			0%	(0.01)	(1.20)	50.00	-	
75 bbls Surfactant - Surfactant to be pumped after plug from 2000' - 1000'	+0.5 GPB NTC-880			0%	-	-	75.00	-	
Nio AGM - Plug 7300'-6800'	100 % NCM-914 +0.4 % NFL-551+0.4 % NFL-549+35.0 % NWT-766+0.2 % NRT-213+0.3 % NDS-417	140	15.8	25%	1.52	6.18	37.89	212.77	21
Sussex AGM - Plug 4600'-3700'	100 % NCM-914 +0.4 % NFL-551+2.0 % NAC-101+0.25 % NFL-549+0.3 % NDS-417	325	15.8	25%	1.17	5.04	67.96	381.58	39
Sussex AGM - Plug 3500'-2500'	100 % NCM-914 +0.4 % NFL-551+2.0 % NAC-101+0.25 % NFL-549+0.3 % NDS-417	365	15.8	25%	1.17	5.04	76.32	428.54	44
AGM - Plug 2000'-1000'	100 % NCM-914 +0.4 % NFL-551+1.0 % NAC-110+4.0 % NAC-101	355	15.8	25%	1.20	5.13	75.88	426.06	43
AGM - Plug 900'-134'	100 % NCM-914 +0.4 % NFL-551+1.0 % NAC-110+4.0 % NAC-101	380	15.8	100%	1.20	5.13	81.22	456.06	46
Surface AGM - Plug 100'-Surface	100 % NCM-914 +0.4 % NFL-551+2.0 % NAC-110+4.0 % NAC-101	55	15.8	0%	1.21	5.13	11.84	66.46	7
				0%	-	-		-	
Displacement Chemicals:	N/A								


OPEN HOLE DATA			TUBULAR DATA									
7.875 in. O.H. 334 to 7,973 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
53.0 °F	53.0 °F	70.0 °F	72.0 °F	73.0 °F	73.0 °F	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 334 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				
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	H2O	94.5	8.3 ppg		N/A	N/A	2500	34	7	70.0 °F	1000
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)	
				33.60		Yes						

Comments/Additional Details:

Plug 1 displacement 94.5bbls. Plug 2 displacement 51.2bbls. Plug 3 displacement 36bbls. Plug 4 displacement 14.5bbls. Plug 5 displacement 4bbls to clear the lines. Got 30bbls of cement back on plug 5. Took 6bbls to bring cement to surface on last plug inside 8 5/8 casing. Got 3.6bbls of cement back.

						<div>Jeff Kopp</div> <div>Service Supervisor</div>						<div>27-Mar-22</div> <div>Date</div>
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Cement Job Log

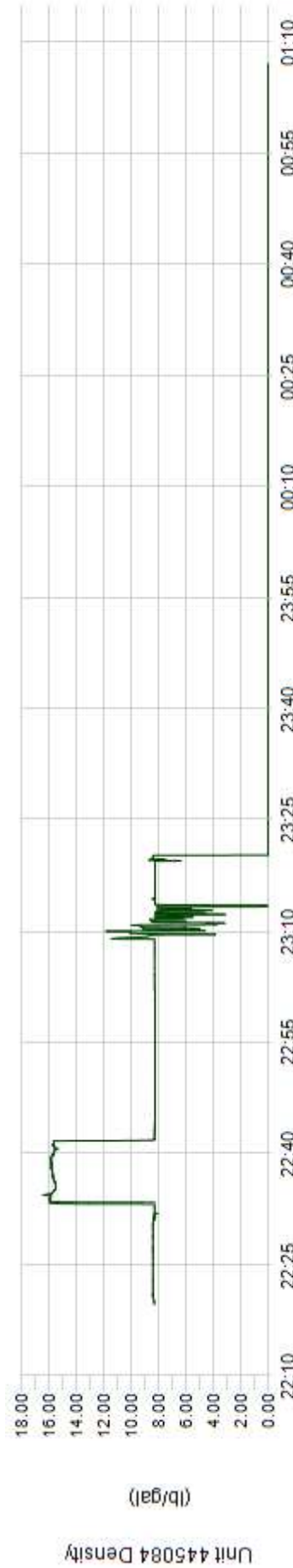
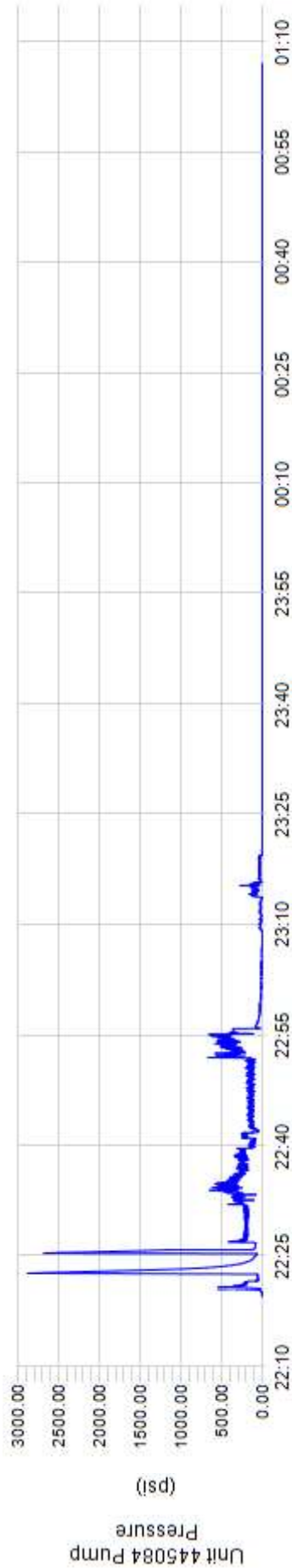
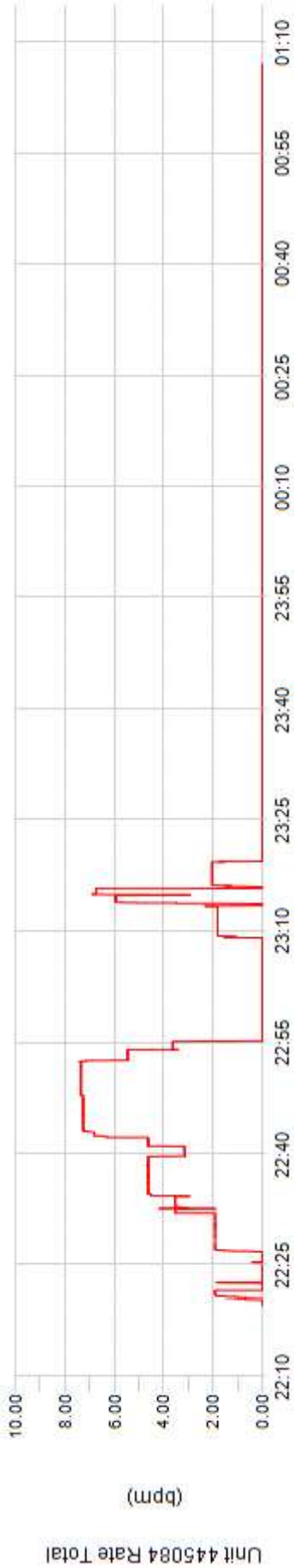
									
Customer: OXY USA INC				Date: 27-Mar-22		Serv. Supervisor: Jeff Kopp			
Cust. Rep.: Jeremy Duty				Ticket #: BCO-2203-0049		Serv. Center: Brighton - 3021			
Well Name: UPRR PAN AM B 1 41		RTS Date: 27-Mar-22		API Well #: 512307225		County: WELD (CO)		State: COLORADO	
Well Type: Oil		RTS Time: 9:00 PM		Rig: Ensign 122		Type of Job: CM-P2A-PERM.			
Date		Time		Date		Time		Date	
Left Yard: 27-Mar-22		8:00 PM		Left Loc.: 28-Mar-22		11:30 PM		Start Pump: 27-Mar-22	
Arrived Loc.: 27-Mar-22		8:42 PM		Returned Yd.: 29-Mar-22		12:30 AM		End Pump: 28-Mar-22	
TIME		<div> <div>Rate</div> <div>Csg. Press.</div> <div>Tbg. Press.</div> <div>Ann. Press.</div> <div>Stg. Vol.</div> <div>Cum. Vol.</div> <div>Stage Num.</div> </div>						Stage Details	
Note: Red boxes indicate bad values!		(bbl/min)	(psi)	(psi)	(psi)	(bbl)	(bbl)	Stage #	
8:00 PM								Left Yard or Current Location	
8:42 PM		6						ARRIVE ON LOCATION	
8:45 PM								1 PRE JOB SAFETY MEETING	
9:00 PM								1 SPOT EQUIPMENT	
9:09 PM								1 RIG UP IRON AND HOSES	
10:18 PM								1 SAFETY MEETING	
10:31 PM		2	295			2.0 bbl	2.0 bbl	1	FILL LINES
10:33 PM			2700					1	PRESSURE TEST
10:37 PM		2	217			10.0 bbl	12.0 bbl	1	SAPP
10:42 PM		2	226			5.0 bbl	17.0 bbl	1	FRESH
10:44 PM		5	495			37.9 bbl	54.9 bbl	1	MIX AND PUMP 140SXS @15.8PPG 1.52Y 6.18WR
10:52 PM		7.7	156			94.5 bbl	149.4 bbl	1	DISPLACE
11:07 PM								1 SHUT DOWN	
11:10 PM								1 WASH UP PUMPS AND LINES	
11:30 PM								1 WAIT ON RIG	
4:16 AM		2	104			10.0 bbl	159.4 bbl	2	SAPP
4:21 AM		3.5	208			5.0 bbl	164.4 bbl	2	FRESH
4:23 AM		5.2	286			67.7 bbl	232.1 bbl	2	MIX AND PUMP 325SXS @15.8PPG 1.17Y 5.04WR
4:37 AM		7.5	130			51.2 bbl	283.3 bbl	2	DISPLACE
4:45 AM								2 SHUT DOWN	
4:47 AM								2 WASH UP PUMPS AND LINES	
5:00 AM								2 WAIT ON RIG	
6:54 AM		2	217			10.0 bbl	293.3 bbl	3	SAPP
6:59 AM		3.5	174			5.0 bbl	298.3 bbl	3	FRESH
7:01 AM		5.5	373			76.0 bbl	374.3 bbl	3	MIX AND PUMP 365SXS @15.8PPG 1.17Y 5.04WR
7:15 AM		7.5	130			36.0 bbl	410.3 bbl	3	DISPLACE
7:21 AM								3 SHUT DOWN	
7:25 AM								3 WASH UP PUMPS AND LINES	
7:40 AM								3 WAIT ON RIG	
11:33 AM		2	243			10.0 bbl	420.3 bbl	4	SAPP
11:38 AM		3.5	208			5.0 bbl	425.3 bbl	4	FRESH
11:40 AM		5.7	200			75.8 bbl	501.1 bbl	4	MIX AND PUMP 355SXS @15.8PPG 1.20Y 5.13WR
11:54 AM		5	61			14.5 bbl	515.6 bbl	4	DISPLACE
11:58 AM								4 SHUT DOWN	
12:00 PM								4 WASH UP PUMPS AND LINES	
12:20 PM								4 WAIT ON RIG	
4:02 PM		5	122			75.0 bbl	590.6 bbl	4	PUMP 75BBLs OF SURFACTANT
4:17 PM		5	102			14.2 bbl	604.8 bbl	4	FRESH
4:20 PM								4 SHUT DOWN	
4:22 PM								4 WAIT ON RIG	
6:35 PM		2	69			7.0 bbl	611.8 bbl	5	FRESH
6:39 PM		5	200			81.2 bbl	693.0 bbl	5	MIX AND PUMP 380SXS @15.8PPG 1.20Y 5.13WR
7:10 PM		2	52			4.0 bbl	697.0 bbl	5	DISPLACE TO CLEAR LINES OUT
7:12 PM								5 SHUT DOWN	
7:13 PM								5 WASH UP PUMPS AND LINES	
7:30 PM								5 WAIT ON RIG	
10:23 PM		2.5	69			9.6 bbl	706.6 bbl	6	MIX AND PUMP 45SXS @15.8PPG 1.21Y 5.13WR
10:27 PM								6 SHUT DOWN	
10:30 PM								6 WASH UP PUMPS AND LINES	
10:50 PM								6 RIG OUT	
11:30 PM								6 LEAVE LOCATION	



Client OXY
Ticket No. 22030049
Location
Comments PLUG 1

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/27/2022





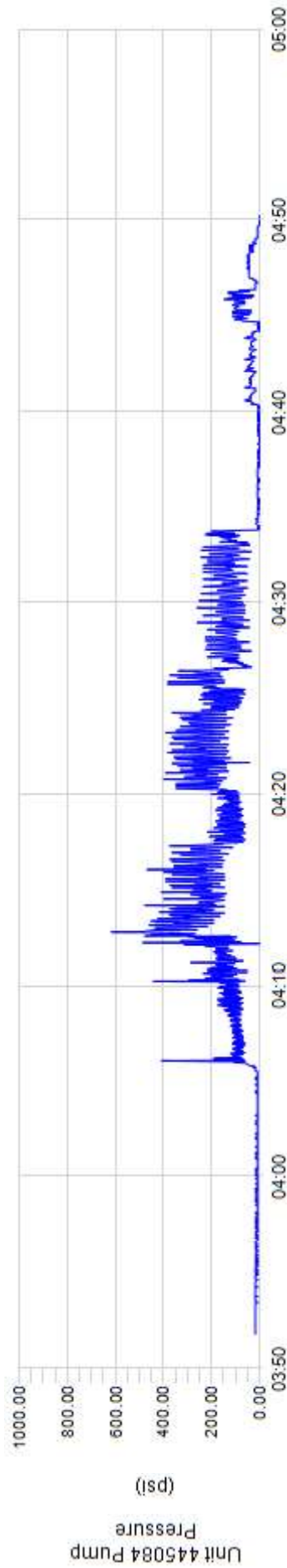
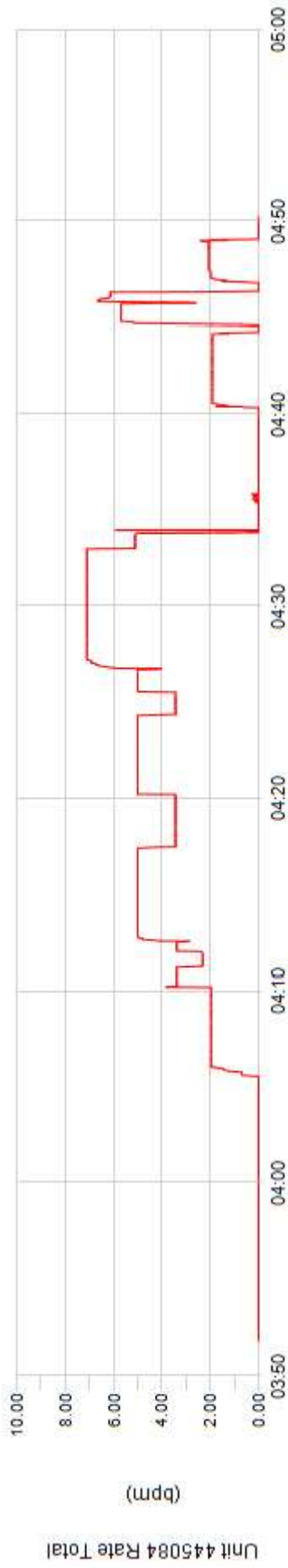
Client
Ticket No. 22030049
Location
Comments PLUG 2

Client Rep
Well Name
Job Type

Jeremy
UPRR PAN AM B 1 41
Abandonment Plugs

Supervisor
Unit No.
Service District
Job Date

Jeff Kopp
445084
Brighton Co
03/28/2022

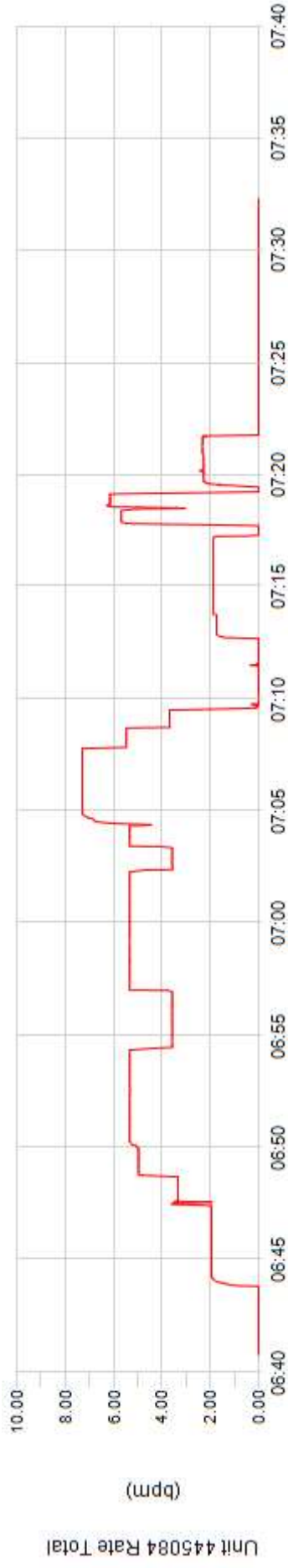




Client OXY
Ticket No. 22030049
Location
Comments PLUG 3

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022

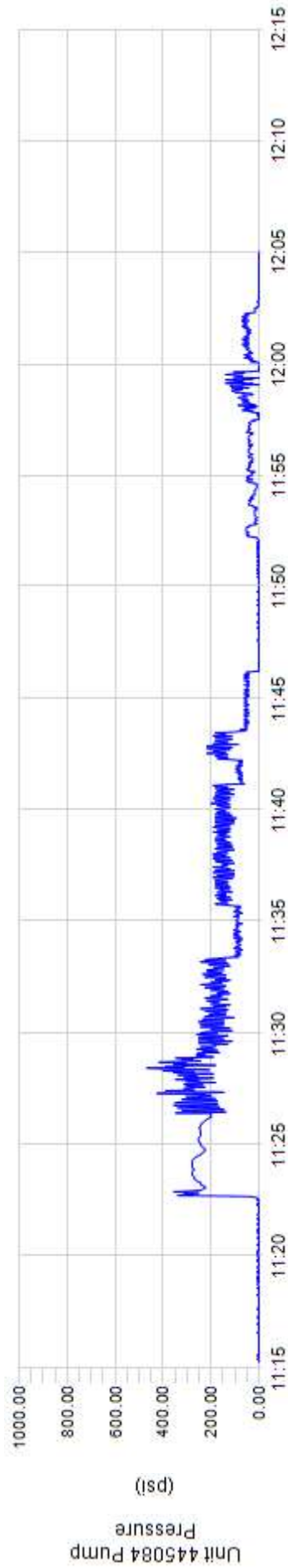
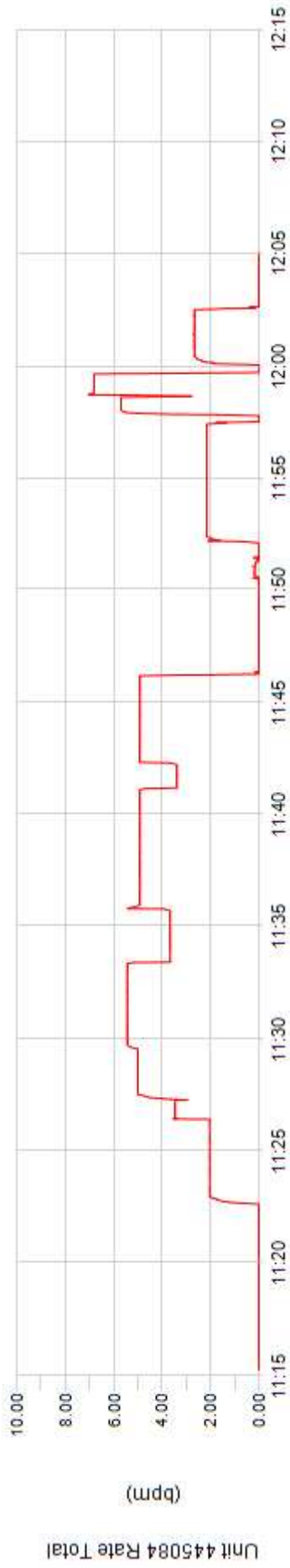




Client OXY
Ticket No. 22030049
Location
Comments PLUG 4

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022

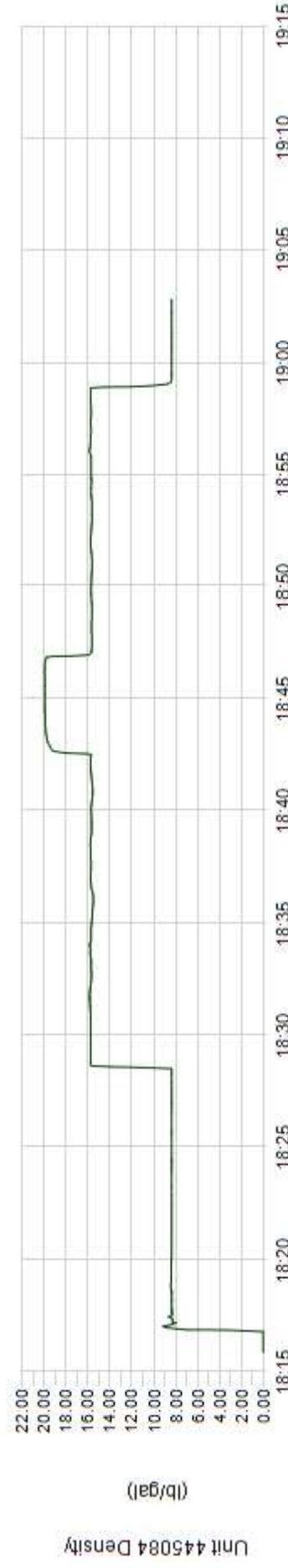
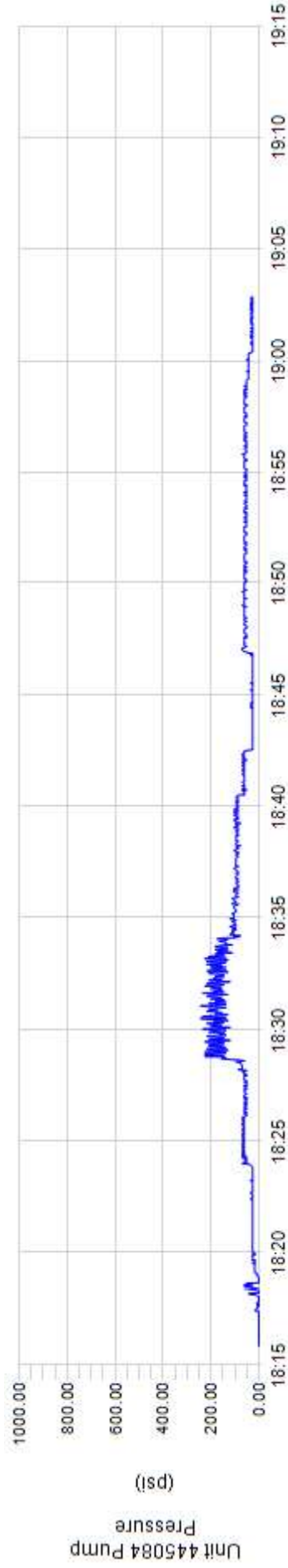
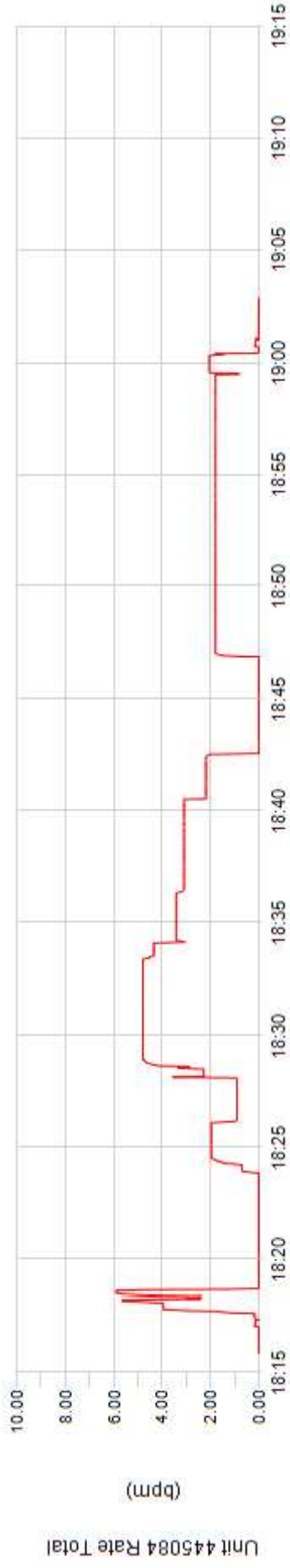




Client OXY
Ticket No. 22030049
Location
Comments PLUG 5

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022





Job Summary

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BCO-2203-0049

Ticket Date

3/27/2022

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UPRR PAN AM B 1 41	Ensign 122	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.278699 -104.92069	Jeff Kopp	Jeremy Duty

EMPLOYEES

Ray		
Chance B		

WELL PROFILE

Max Treating Pressure (psi):	2500	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

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	7.88	334	7973		
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	334		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Drill Pipe	4 1/2	16.6		0	7300		
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):	6708	To Depth (ft):	7300	
Type: Nio AGM	Volume (sacks):	140	Volume (bbls):	37.9	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.52	6.18
Stage 2:	From Depth (ft):	3700	To Depth (ft):	4600	
Type: Sussex AGM	Volume (sacks):	325	Volume (bbls):	67.7	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.17	5.04
Stage 3:	From Depth (ft):	2500	To Depth (ft):	3500	
Type: Sussex AGM	Volume (sacks):	365	Volume (bbls):	76	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.17	5.04
Stage 4:	From Depth (ft):	1000	To Depth (ft):	2000	
Type: AGM	Volume (sacks):	355	Volume (bbls):	75.8	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Rec
			15.8	1.20	5.13

SUMMARY

			Stage 1	Stage 2
Preflushes:	40 bbls of SAPP	Calculated Displacement (bbl):	96.5	52.5
	20 bbls of Fresh Water	Actual Displacement (bbl):	94.5	51.2
	bbls of			
Total Preflush/Spacer Volume (bbl):	60	Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Slurry Volume (bbl):	257.4	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	317.4			
Returns to Surface:	Cement	0 bbls		

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

Filled lines and pressure tested to 2700psi. Pumped 10bbls of SAPP followed by 5bbls of fresh water. Mix and pumped 140sxs @ 15.8ppg 1.52y 6.18wr. Displace to TOC. Pumped 10bbls SAPP followed by 5bbls of fresh. Mixed and pumped 325sxs @ 15.8ppg 1.17y 5.04wr. Displace to TOC. Pumped 10bbls of SAPP followed by 5bbls fresh. Mix and pumped 365sxs @ 15.8ppg 1.17y 5.04wr. Displace to TOC. Pumped 10bbls of SAPP followed by 5bbls of fresh. Mix and pumped 355sxs

Thank You For Using

NexTier Completion Solutions

Customer Representative Signature:



Job Summary

Ticket Number

TN#

BCO-2203-0049

Ticket Date

3/28/2022

COUNTY	COMPANY	API Number
WELD (CO)	OXY USA INC	512307225
WELL NAME	RIG	JOB TYPE
UPRR PAN AM B 1 41	Ensign 122	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
	Jeff Kopp	Jeremy Duty

EMPLOYEES

Ray		
Chance B		

WELL PROFILE

Max Treating Pressure (psi):	2500	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	334	7973		
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	334		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Drill Pipe	4 1/2	16.6		0	7900		
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): 100 To Depth (ft): 1000
Type: AGM

Volume (sacks): 380 Volume (bbls): 81.2

Cement & Additives:

Density (ppg)	Yield (ft³/sk)	Water Req.
15.8	1.20	5.13

Stage 2: From Depth (ft): 0 To Depth (ft): 100
Type: Surface AGM

Volume (sacks): 45 Volume (bbls): 9.6

Cement & Additives:

Density (ppg)	Yield (ft³/sk)	Water Req.
15.8	1.21	5.13

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

			Stage 1	Stage 2
Preflushes:	7 bbls of Fresh Water	Calculated Displacement (bbl):	4	
	bbls of	Actual Displacement (bbl):	4	
	bbls of			
Total Preflush/Spacer Volume (bbl):	7	Plug Bump (Y/N):	N/A	Bump Pressure (psi): N/A
Total Slurry Volume (bbl):	90.8	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	97.8			
Returns to Surface:	Cement 33.6 bbls			

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

Pumped fresh ahead of cement. Mix and pumped 380sxs @15.8ppg 1.20y 5.13wr. Displace to clear the lines. Got 30bbls of cement back to surface on plug 5. Mix and pumped 9.6bbls to bring cement to surface from 100ft inside surface casing. With 3.6bbls back to surface.

Thank You For Using

NexTier Completion Solutions

Customer Representative Signature:

Cement Job Log



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

Customer:	OXY USA INC	Date:	27-Mar-22	Serv. Supervisor:	Jeff Kopp	
Cust. Rep.:	Jeremy Duty	Ticket #:	BCO-2203-0049	Serv. Center	Brighton - 3021	
Well Name:	UPRR PAN AM B 1 41	API Well #:	512307225	County:	WELD (CO)	State: COLORADO
Well Type:	Oil	Rig:	Ensign 122	Type of Job:	CM-P2A-PERM.	

Materials Furnished by NexTier

Plugs	Casing Hardware	Physical Slurry Properties							
N/A	N/A	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 MudFlush - Mudflush ahead of first 5 plugs followed by 5 bbls	+10.0 PPB NSP-890			0%	(0.01)	(1.20)	50.00	-	
75 bbls Surfactant - Surfactant to be pumped after plug from 2000' - 1000'	+0.5 GPB NTC-880			0%	-	-	75.00	-	
Nio AGM - Plug 7300'-6800'	100 % NCM-914 +0.4 % NFL-551+0.4 % NFL-549+35.0 % NWT-766+0.2 % NRT-213+0.3 % NDS-417	140	15.8	25%	1.52	6.18	37.89	212.77	21
Sussex AGM - Plug 4600'-3700'	100 % NCM-914 +0.4 % NFL-551+2.0 % NAC-101+0.25 % NFL-549+0.3 % NDS-417	325	15.8	25%	1.17	5.04	67.96	381.58	39
Sussex AGM - Plug 3500'-2500'	100 % NCM-914 +0.4 % NFL-551+2.0 % NAC-101+0.25 % NFL-549+0.3 % NDS-417	365	15.8	25%	1.17	5.04	76.32	428.54	44
AGM - Plug 2000'-1000'	100 % NCM-914 +0.4 % NFL-551+1.0 % NAC-110+4.0 % NAC-101	355	15.8	25%	1.20	5.13	75.88	426.06	43
AGM - Plug 900'-134'	100 % NCM-914 +0.4 % NFL-551+1.0 % NAC-110+4.0 % NAC-101	380	15.8	100%	1.20	5.13	81.22	456.06	46
Surface AGM - Plug 100'-Surface	100 % NCM-914 +0.4 % NFL-551+2.0 % NAC-110+4.0 % NAC-101	55	15.8	0%	1.21	5.13	11.84	66.46	7
				0%	-	-		-	
Displacement Chemicals:	N/A								


OPEN HOLE DATA			TUBULAR DATA									
7.875 in. O.H. 334 to 7,973 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
53.0 °F	53.0 °F	70.0 °F	72.0 °F	73.0 °F	73.0 °F	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 334 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				
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	H2O	94.5	8.3 ppg		N/A	N/A	2500	34	7	70.0 °F	1000
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)	
				33.60		Yes						

Comments/Additional Details:

Plug 1 displacement 94.5bbls. Plug 2 displacement 51.2bbls. Plug 3 displacement 36bbls. Plug 4 displacement 14.5bbls. Plug 5 displacement 4bbls to clear the lines. Got 30bbls of cement back on plug 5. Took 6bbls to bring cement to surface on last plug inside 8 5/8 casing. Got 3.6bbls of cement back.

						<div>Jeff Kopp</div> <div>Service Supervisor</div>						<div>27-Mar-22</div> <div>Date</div>
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Cement Job Log

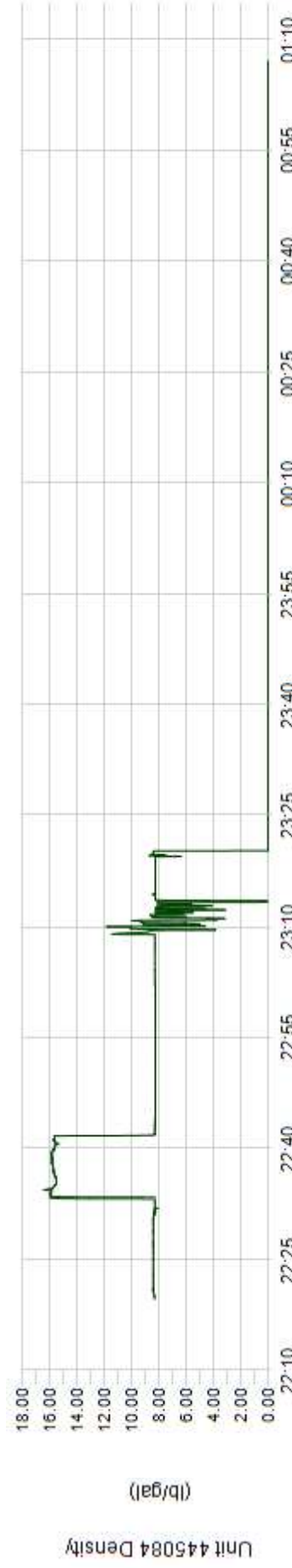
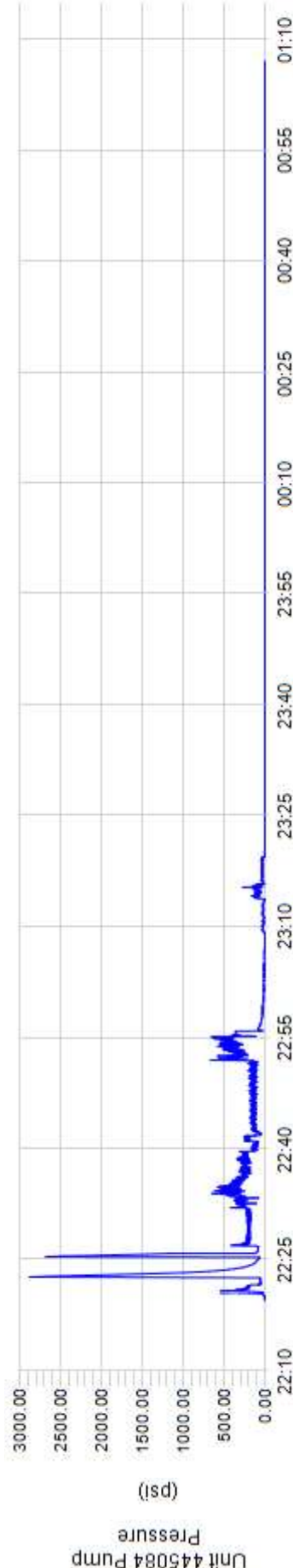
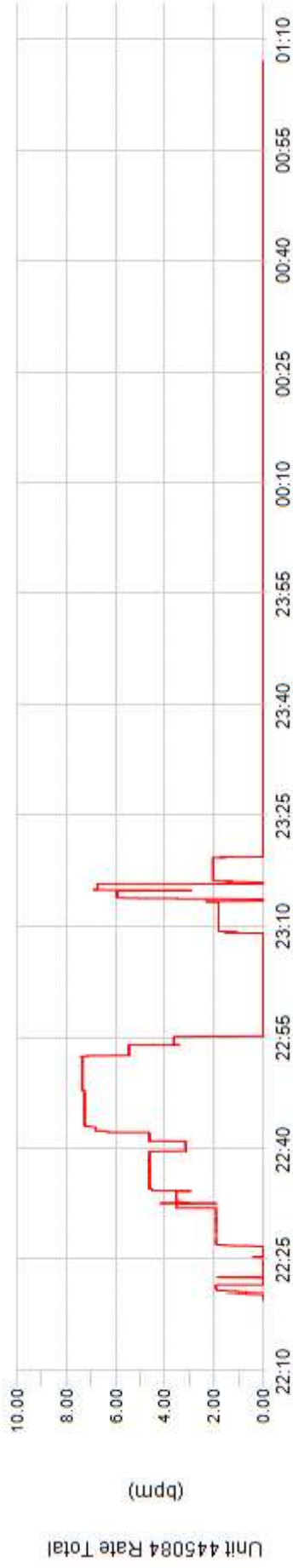
									
Customer: OXY USA INC				Date: 27-Mar-22		Serv. Supervisor: Jeff Kopp			
Cust. Rep.: Jeremy Duty				Ticket #: BCO-2203-0049		Serv. Center: Brighton - 3021			
Well Name: UPRR PAN AM B 1 41		RTS Date: 27-Mar-22		API Well #: 512307225		County: WELD (CO)		State: COLORADO	
Well Type: Oil		RTS Time: 9:00 PM		Rig: Ensign 122		Type of Job: CM-P2A-PERM.			
Date		Time		Date		Time		Date	
Left Yard: 27-Mar-22		8:00 PM		Left Loc.: 28-Mar-22		11:30 PM		Start Pump: 27-Mar-22	
Arrived Loc.: 27-Mar-22		8:42 PM		Returned Yd.: 29-Mar-22		12:30 AM		End Pump: 28-Mar-22	
TIME		<div> <div>Rate</div> <div>Csg. Press.</div> <div>Tbg. Press.</div> <div>Ann. Press.</div> <div>Stg. Vol.</div> <div>Cum. Vol.</div> <div>Stage Num.</div> </div>						Stage Details	
Note: Red boxes indicate bad values!		(bbl/min)	(psi)	(psi)	(psi)	(bbl)	(bbl)	Stage #	
8:00 PM								Left Yard or Current Location	
8:42 PM		6						ARRIVE ON LOCATION	
8:45 PM								1 PRE JOB SAFETY MEETING	
9:00 PM								1 SPOT EQUIPMENT	
9:09 PM								1 RIG UP IRON AND HOSES	
10:18 PM								1 SAFETY MEETING	
10:31 PM		2	295			2.0 bbl	2.0 bbl	1	FILL LINES
10:33 PM			2700					1	PRESSURE TEST
10:37 PM		2	217			10.0 bbl	12.0 bbl	1	SAPP
10:42 PM		2	226			5.0 bbl	17.0 bbl	1	FRESH
10:44 PM		5	495			37.9 bbl	54.9 bbl	1	MIX AND PUMP 140SXS @15.8PPG 1.52Y 6.18WR
10:52 PM		7.7	156			94.5 bbl	149.4 bbl	1	DISPLACE
11:07 PM								1 SHUT DOWN	
11:10 PM								1 WASH UP PUMPS AND LINES	
11:30 PM								1 WAIT ON RIG	
4:16 AM		2	104			10.0 bbl	159.4 bbl	2	SAPP
4:21 AM		3.5	208			5.0 bbl	164.4 bbl	2	FRESH
4:23 AM		5.2	286			67.7 bbl	232.1 bbl	2	MIX AND PUMP 325SXS @15.8PPG 1.17Y 5.04WR
4:37 AM		7.5	130			51.2 bbl	283.3 bbl	2	DISPLACE
4:45 AM								2 SHUT DOWN	
4:47 AM								2 WASH UP PUMPS AND LINES	
5:00 AM								2 WAIT ON RIG	
6:54 AM		2	217			10.0 bbl	293.3 bbl	3	SAPP
6:59 AM		3.5	174			5.0 bbl	298.3 bbl	3	FRESH
7:01 AM		5.5	373			76.0 bbl	374.3 bbl	3	MIX AND PUMP 365SXS @15.8PPG 1.17Y 5.04WR
7:15 AM		7.5	130			36.0 bbl	410.3 bbl	3	DISPLACE
7:21 AM								3 SHUT DOWN	
7:25 AM								3 WASH UP PUMPS AND LINES	
7:40 AM								3 WAIT ON RIG	
11:33 AM		2	243			10.0 bbl	420.3 bbl	4	SAPP
11:38 AM		3.5	208			5.0 bbl	425.3 bbl	4	FRESH
11:40 AM		5.7	200			75.8 bbl	501.1 bbl	4	MIX AND PUMP 355SXS @15.8PPG 1.20Y 5.13WR
11:54 AM		5	61			14.5 bbl	515.6 bbl	4	DISPLACE
11:58 AM								4 SHUT DOWN	
12:00 PM								4 WASH UP PUMPS AND LINES	
12:20 PM								4 WAIT ON RIG	
4:02 PM		5	122			75.0 bbl	590.6 bbl	4	PUMP 75BBLs OF SURFACTANT
4:17 PM		5	102			14.2 bbl	604.8 bbl	4	FRESH
4:20 PM								4 SHUT DOWN	
4:22 PM								4 WAIT ON RIG	
6:35 PM		2	69			7.0 bbl	611.8 bbl	5	FRESH
6:39 PM		5	200			81.2 bbl	693.0 bbl	5	MIX AND PUMP 380SXS @15.8PPG 1.20Y 5.13WR
7:10 PM		2	52			4.0 bbl	697.0 bbl	5	DISPLACE TO CLEAR LINES OUT
7:12 PM								5 SHUT DOWN	
7:13 PM								5 WASH UP PUMPS AND LINES	
7:30 PM								5 WAIT ON RIG	
10:23 PM		2.5	69			9.6 bbl	706.6 bbl	6	MIX AND PUMP 45SXS @15.8PPG 1.21Y 5.13WR
10:27 PM								6 SHUT DOWN	
10:30 PM								6 WASH UP PUMPS AND LINES	
10:50 PM								6 RIG OUT	
11:30 PM								6 LEAVE LOCATION	



Client OXY
Ticket No. 22030049
Location
Comments PLUG 1

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

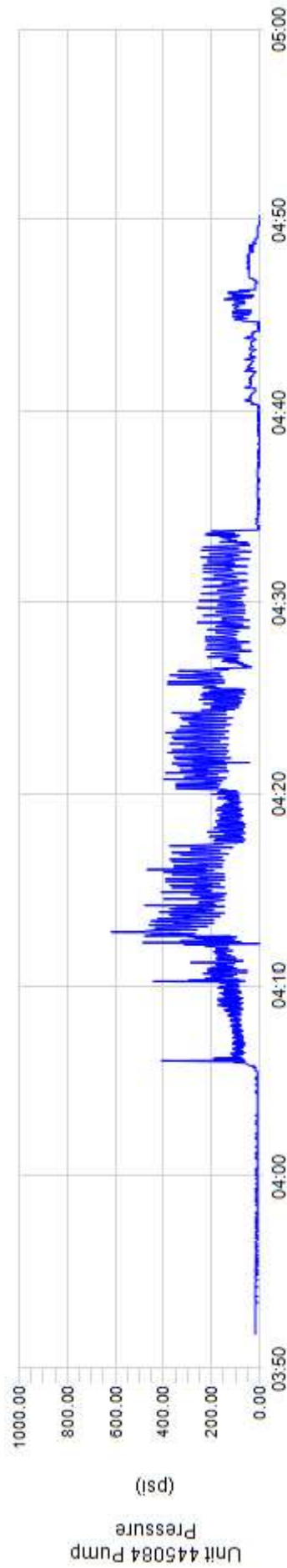
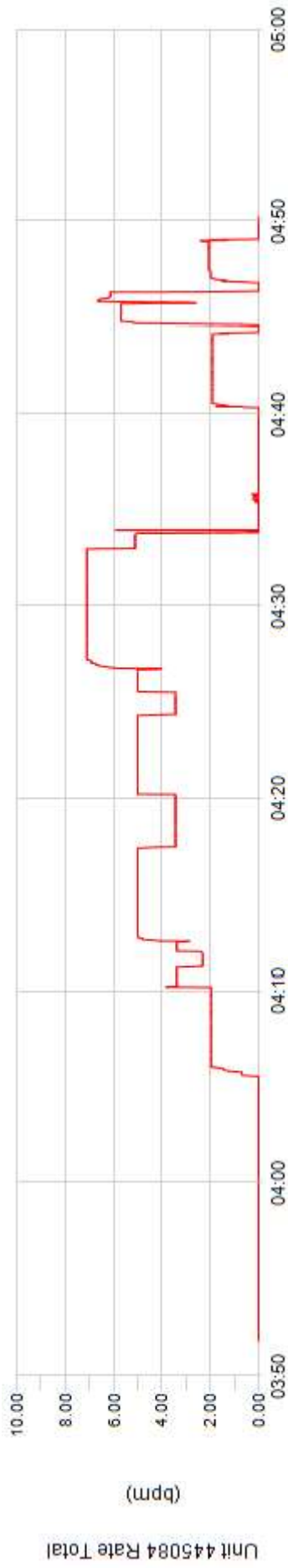
Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/27/2022





Client OXY
Ticket No. 22030049
Location
Comments PLUG 2

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs
Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022

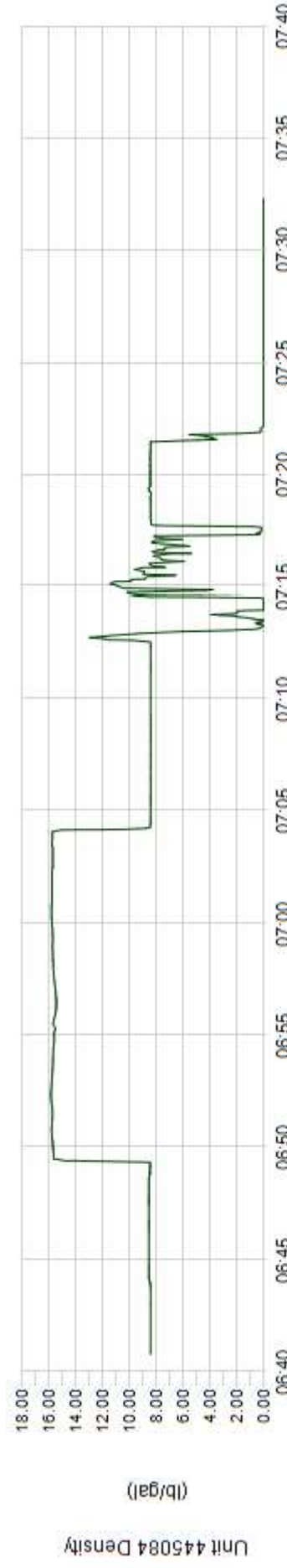
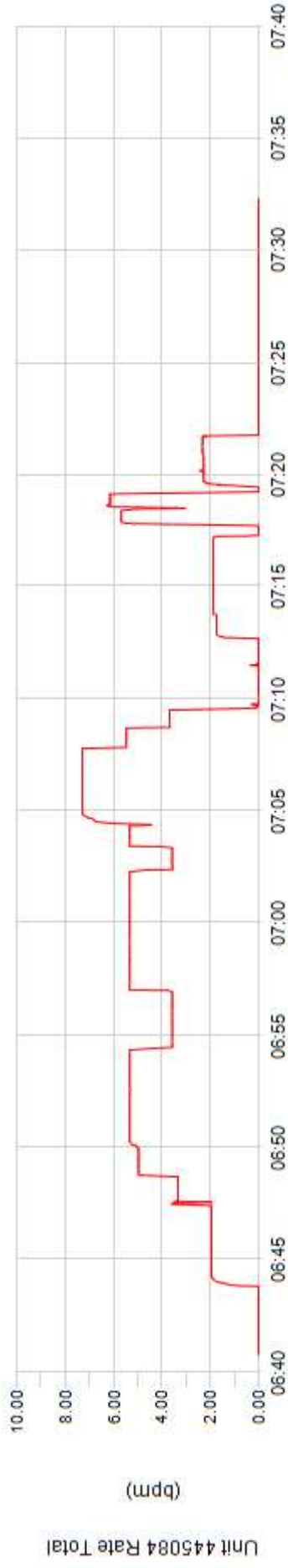




Client OXY
Ticket No. 22030049
Location
Comments PLUG 3

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022

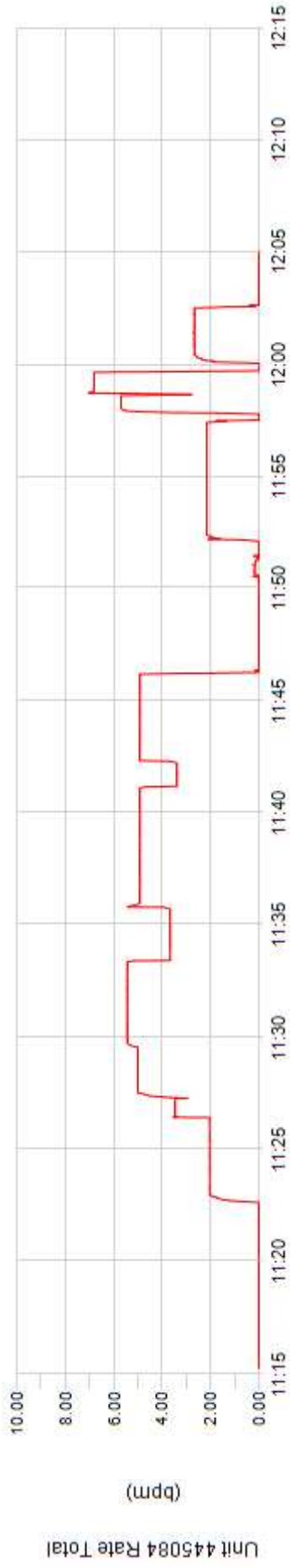




Client OXY
Ticket No. 22030049
Location
Comments PLUG 4

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022





Client OXY
Ticket No. 22030049
Location
Comments PLUG 5

Client Rep Jeremy
Well Name UPRR PAN AM B 1 41
Job Type Abandonment Plugs

Supervisor Jeff Kopp
Unit No. 445084
Service District Brighton Co
Job Date 03/28/2022

