EPWM - 010

CLOSURE

2013

Jones, Brad A., EMNRD

From:

Bratcher, Mike, EMNRD

Sent:

Wednesday, January 30, 2013 7:48 AM

To:

VonGonten, Glenn, EMNRD; Sanchez, Daniel J., EMNRD; Jones, Brad A., EMNRD; Dade,

Randy, EMNRD

Subject:

FW: XTO Closure Report for Halliburton CleanWave System

Attachments:

XTO Cleanwave Closure Report.pdf

Gentlemen,

RTH's man sent this in – we probably need to discuss at next conference call, or whenever you want. RTH states no releases occurred during operation of the system. They even included another copy of the daily log that notes the leak in the Poseidon tank.

Mike

From: Andrew Parker [mailto:andrew@rthicksconsult.com]

Sent: Monday, January 28, 2013 2:35 PM **To:** Bratcher, Mike, EMNRD; Martinez, Donald

Cc: David Luna@xtoenergy.com

Subject: XTO Closure Report for Halliburton CleanWave System

Mr. Bratcher and Mr. Martinez:

Attached is the closure report for XTO Energy's Nash Unit #4 that was the location for Halliburton's CleanWave produced water treatment system. Please recall that the treatment system was used along with the Poseidon Tank to frack six wells in the Fall of 2012.

Thank you for working with us during the permitting process. We look forward to working with you in the near future. If you have any questions please contact Andrew Parker at 970-570-9535.

Andrew Parker RT Hicks Consultants Durango Field Office (970) 570-9535

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505,266,5004 ▲ Fax: 505,266-0745

January 28, 2013

Mr. Mike Bratcher NMOCD District 2 811 South First Street Artesia, New Mexico 88210 Via E-mail

RE: Closure Report for Part 34 Use Permit for Treating Produced Water using CleanWave™ Technology.

Operator: XTO Energy

Location: Nash Unit #4. (API No. 30-015-21777)
 Sec 13, T23S, R29E, Unit A

Dear Mr. Bratcher:

R.T. Hicks consultants is pleased to submit this Closure Report for the above referenced location on the behalf of XTO Energy. Closure activities were performed in accordance with the approved letter application dated May 22, 2012 (Appendix A). The location of the CleanWave system is shown on Plate 1.

On June 20th, 2012, XTO Energy began sending treated water from Halliburton's CleanWave system, located at Nash Unit #4, to the Poseidon Modular Impoundment (Poseidon tank) located at Nash Unit #29. On June 25, 2012, the first well, Nash Unit 39H, was fractured using treated water. On September 26, 2012, the last well, Nash Unit 49, was fractured using treated water. The transfer completion date, in lieu of rig release date, was October 5, 2012.

Closure activities for the CleanWave system began on October 5, 2012. All remaining fluid in the CleanWave System was sent to the Poseidon modular impoundment for fracturing the last well. Residual sludge in the CleanWave System was removed for proper disposal. Operation logs for the CleanWave system are presented in Appendix B and indicate no releases of treated produced water occurred at the location of the Haliburton CleanWave System.

On December 11, 2012, after the remaining CleanWave system was removed off location, we mobilized to the location and restored the surface to pre-existing conditions. Approximately ten gallons of unused filtration granules (Figure 1, Appendix C) were removed from the surface prior to surface restoration. We observed no additional evidence of a release from the CleanWave system.

Using a backhoe, we removed containment berms and graded the site to match surrounding and existing grade. The caliche from the containment berms were re-used to reinforce existing containment berms on location. Figures 2 through 4 show location restoration activities to pre-existing conditions.

January 28, 2013 Page 4

Please contact Andrew Parker at 970-570-9535 if you have any questions or comments.

Sincerely,

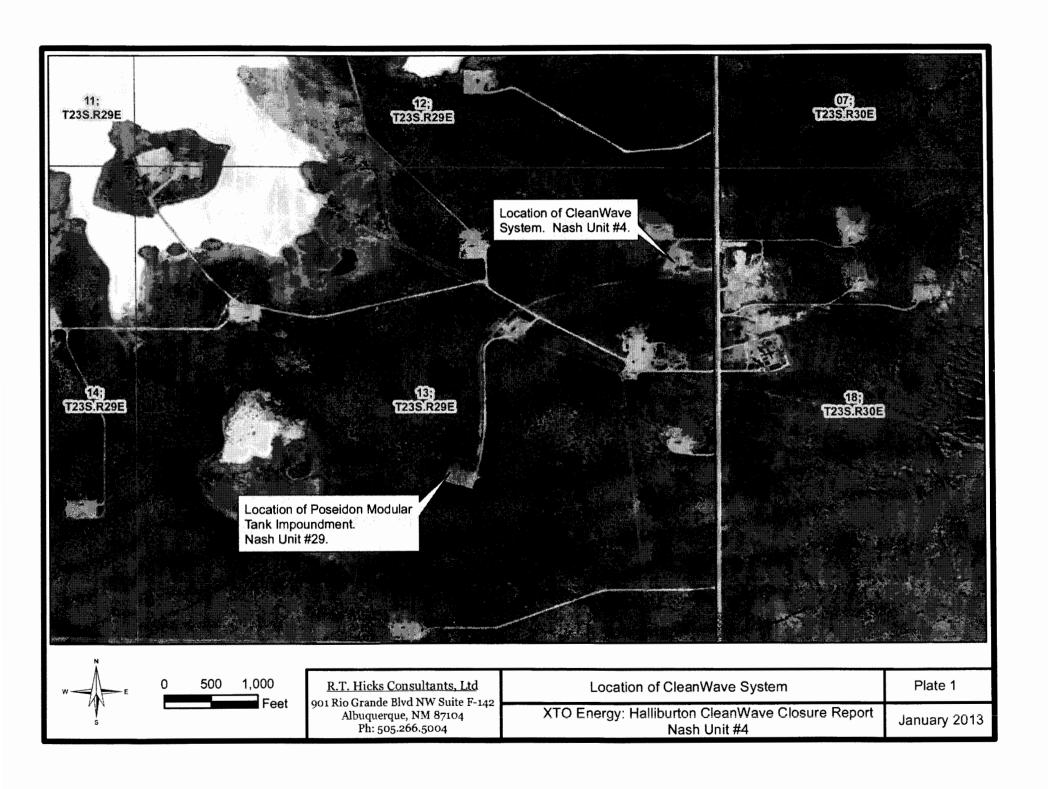
R.T. Hicks Consultants Durango Field Office

Andrew Parker

Copy: David Luna, XTO Energy (via email)

Donald Martinez, State Land Office (via email)







State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

John Bemis
Cabinet Secretary

Brett F. Woods, Ph.D. Deputy Cabinet Secretary Jami Bailey
Division Director
Oil Conservation Division



May 23, 2012

David Luna XTO Energy, Inc. 200 N. Loraine, Ste. 800 Midland, Texas 79705

RE: Request For Temporary Approval To Treat, Store And Use Produced Water

EPWM-010

XTO Energy, Inc.

Location: Unit A, Section 13, Township 23 South, Range 29 East, NMPM

Eddy County, New Mexico

Dear Mr. Luna:

The Oil Conservation Division (OCD) has reviewed XTO Energy, Inc's (XTO) request, dated May 22, 2012, to treat produced water utilizing Halliburton Energy Services, Inc.'s (HESI) CleanWaveTM water treatment technology, and to temporarily store the treated produced water onsite in existing above-grade tanks, prior to transport via a pipeline to a centralized storage location for distribution and reuse for six scheduled hydraulic fracturing operations. Based upon the information provided in the May 22, 2012 request, OCD understands that this project is expected to take approximately 120 days.

This request is hereby approved with the following understandings and conditions:

- XTO shall comply with all applicable requirements of the Produced Water Rule (19.15.34 NMAC), the Oil and Gas Act (Chapter 70, Article 2 NMSA 1978), and all conditions specified in this temporary approval and shall operate and close the project in accordance with the May 22, 2012 request;
- 2. XTO shall store, treat, and use produced water only as proposed in its May 22, 2012 request. XTO shall submit a modification request and obtain OCD's approval prior to the installation of additional tanks or other structures within the boundaries of the facility, initiating any changes in the storage, treatment, or use of the produced water (treated or untreated), or the disposition of any unused produced water;

Mr. Luna XTO Energy, Inc. EPWM-010 May 23, 2012 Page 2 of 3

- 3. XTO shall locate the mobile HESI CleanWave™ water treatment system onto XTO's Nash Unit #4 (API 30-015-21777) well pad within Unit A of Section 13, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico:
- 4. XTO shall only store, treat, and use produced water from tank battery associated with XTO's Nash 53 SWD (API 30-015-39400), located within Unit H of Section 13, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico. XTO shall submit a modification request and obtain OCD's approval prior to switching to a new source of the produced water for treatment;
- 5. XTO shall ensure that the HESI CleanWaveTM water treatment system is properly operated and monitored to prevent unauthorized releases;
- 6. XTO will transport the treated produced water to an off-site centralized collection impoundment, located on XTO's Nash Draw Unit #29 well pad within Unit J of Section 13, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, for distribution and reuse for six scheduled hydraulic fracturing operations as identified in the May 22, 2012 request.
- 7. XTO shall obtain a separate permit from OCD for the off-site impoundment prior to transporting treated produced water via the pipeline;
- 8. XTO shall report all unauthorized discharges, spills, leaks, and releases of produced water or other oil field waste pursuant to 19.15.29 NMAC;
- XTO shall <u>not</u> manage any oil field waste at the produced water treatment site on the ground in pits, ponds, below-grade tanks or land application units without an OCD approved permit;
- XTO shall not discharge any treated or untreated produced water on the ground, to ground water, or into any surface water body;
- 11. XTO shall ensure that liquid oil field waste (e.g. sludge) and produced water (treated or untreated) is transported using an OCD permitted (C-133 Authorization to Move Produced Water) hauler;
- 12. XTO shall dispose of its solid and semi-solid oil field waste, including, but not limited to, sludge, flocculants, treatment filters, membranes, etc., at R360 Permian Basin, LLC's Surface Waste Management Facility (NM1-006/R-9166) as proposed in its May 22, 2012 request. XTO shall retain records (OCD Form C-138) documenting all oil field waste removed from the site. The records shall indicate the facility name and permit number of the OCD approved facility in which the oil field waste is disposed;
- XTO shall dispose of any unused, treated or untreated produced water at XTO's Nash 53 SWD (API 30-015-39400);

Mr. Luna XTO Energy, Inc. EPWM-010 May 23, 2012 Page 3 of 3

- 14. XTO shall restore the impacted surface area to the condition that existed prior to initiating the approved operations and complete the closure activities, including the submittal of a closure report, as proposed in its May 22, 2012 request; and
- 15. XTO shall submit a report of the volumes of produced water diverted (treated and used) in barrels to the OCD's Environmental Bureau within 30 days after the project is completed.

OCD understands that the above approved activities will occur sometime during the period of June 2012 through October 2012. This temporary approval shall expire May 23, 2013. Temporary approval may be revoked or suspended for violation of any applicable provisions and/or conditions. OCD may administratively modify this temporary approval at any time, if it determines that an emergency exists requiring emergency response operations to abate immediate threats to fresh water, public health, and the environment.

Please be advised that approval of this request does not relieve XTO of liability should operations result in pollution of surface water, ground water or the environment; nor does approval relieve XTO of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact Mr. Brad A. Jones of my staff at (505) 476-3487 or <u>brad.a.jones@state.nm.us</u>.

Sincerely,

Jami Bailey Director

JB/baj

cc: OCD District II Office, Artesia

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Date:	6/4/2012			t Number: Number:		8
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Appendix B Table B-2

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Site Contact:					Onsite Activities:	PROCES	S WATER
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BBLS/Hr Proce	ssed:	415.4285714	Cumulative	BBLS/Hr Proc	essed:	415.4	bbl/hr
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Client:	,	хто			Shift Onsite Time:	4:00 AM	am/pr
Location:	Na	ash 29			Shift Offsite Time:	1:00 PM	am/pr
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			10:00	-	120	6.93	0.557
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			16:00				
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			Sodium Hydroxide	220	2,500	2,280	NO
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Visitors:							
Visitors:							
ne ve there been any c	al supplies.	/equipment neede the current schedu	d? If so, what items and ile, including volumes no nursday of next week.		17	100 miles	
s client provided an	y operation	nal feedback (posit	tive or negative)? Company:			хто	

Date:	6/11	1/2012] [Repor	t Number:		7
Date.	0/1.	1/2012			Number:		8
Client:		(TO	1		Shift Onsite Time:	N/A	am/pm
Location:		ish 29			Shift Offsite Time:	N/A	am/pm
Site Contact:		lackson			System Run Time:	0	Total hrs
Site Contact:		Worley			Onsite Activities:		S WATER
Site Contact.	Faui	vvoney	ı ı	Flesen	Offsite Activities.	TROOLS	OWATER
Processing Hrs	Today:	0 hrs	Cumulativ	e Processing	Hrs:	13	hrs
BBLS Processed		0 bbls		BBLS Proce		5,45	2 bbls
BBLS/Hr Proces		#DIV/0!	Cumulative E	BLS/Hr Proc	cessed:	419.4	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	pН	Turbidit
Lead Operator	i aui		06:00	, or buch	1		
Crew			08:00		 		
			10:00				
-			12:00		1		
-			14:00				
-		,	16:00				
			10,00				
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	1,725	1,725	NO
			Sodium Hydroxide	00	2,280	2,280	NO
Visitors:	BO JA	ACKSON					
Visitors: Visitors: Visitors:	BO JA	ACKSON					
Visitors: Visitors: Visitors: Visitors:	rmal operatio	onal issues onsit	e? ed? If so, what items and w	/hen?			
Visitors: Visitors: Visitors: Vere there any abnorance re there any additionance ave there been any	rmal operation in a supplies.	onal issues onsit requipment need the current scheo			13g., 13g., 1		
Visitors: Visito	rmal operation and supplies to the changes to the here	onal issues onsit requipment need the current sched e Wednesday or T	ed? If so, what items and water including volumes near thursday of next week.		13g., 13g., 1		
Visitors: Visitors: Visitors: Visitors: Viere there any abnormal and additional and additional are there any additional are there been any absence and a suppose a sup	rmal operation and supplies to the changes to the here	onal issues onsit requipment need the current sched e Wednesday or T	ed? If so, what items and w dule, including volumes nea Thursday of next week.	eded by clien	13g., 13g., 1		
Visitors: Visito	nal supplies/ changes to to ose to be here	onal issues onsit requipment need the current sched e Wednesday or T	ed? If so, what items and water including volumes near thursday of next week.	eded by clien	13g., 13g., 1		

Date:	6/12	2/2012		Report	Number:		7
					lumber:		8
Client:	×	то		S	hift Onsite Time:	N/A	am/pm
Location:		sh 29			hift Offsite Time:	N/A	am/pm
Site Contact:		ackson			ystem Run Time:	 	Total hrs.
Site Contact:		Worley			Onsite Activities:		SS WATER
Processing Hrs		0 hrs		ve Processing		13	hrs
BBLS Processed		0 bbls		e BBLS Proces			2 bbis
BBLS/Hr Proce	essed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	419.4	bbi/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	······································	······································	06:00				
Crew			08:00				
			10:00	 			
			12:00				
F			14:00				
<u> </u>			16:00				
<u> </u>			15,00	I		<u> </u>	
}			Chemical	Usage	Start Inv.	End Inv.	On Order
[T			HcL Acid	0	1,725	1,725	NO
L			Sodium Hydroxide	0	2,280	2,280	NO
Visitors:	BO JA	CKSON	······································		· · · · · · · · · · · · · · · · · · ·		
Visitors:							
-							
Visitors:							
Visitors:							
Visitors:							
	ormal operatio	onal issues onsite	97				
Visitors: Were there any abno	ormal operatio	nal issues onsite	o?		- 1884 - 1		
Were there any abno	ormal operatio	nal issues onsite	e?	10 Mec 10	4. A.	100	
Were there any abno	ormal operatio	onal issues onsite	97				
Were there any abno	ormal operatio	nal issues onsit	₽₹				
Were there any abno							
Were there any abno None Are there any additio			e? ed? If so, what items and				a unaque se
Were there any abno None Are there any additio							a patenta T. M
Were there any abno							
Were there any abno None Are there any addition	onal supplies/o	equipment neede	ed? If so, what items and v	when?	343.1117		
Were there any abno None Are there any addition	onal supplies/o	equipment needd	ed? If so, what items and t	when?	343.1117		A Little Control of the Control of t
Were there any abno None Are there any addition	onal supplies/o	equipment needd	ed? If so, what items and v	when?	343.1117		Alternative State of the State
Were there any abno None Are there any addition	onal supplies/o	equipment needd	ed? If so, what items and t	when?	343.1117		Antique S
Were there any abno None Are there any addition	onal supplies/o	equipment needd	ed? If so, what items and t	when?	343.1117		anticper
Were there any abno None Are there any addition	onal supplies/o	equipment needd	ed? If so, what items and t	when?	343.1117		antique
Were there any abnown one Are there any addition one Have there been any poseidon tank is supp	onal supplies/or changes to the cose to be here	equipment needs he current sched a Wednesday or T	ed? If so, what items and the second tems and the second tems and the second tems and the second tems are second to second tems and the second tems are second tems and the second tems are second tems are second tems.	when?	***************************************		February Property
Were there any abnown one Are there any addition one Have there been any possidon tank is suppossed the suppossed on tank is supposse	onal supplies/or changes to the cose to be here	equipment needs he current sched a Wednesday or T	ed? If so, what items and a ule, including volumes ne hursday of next week.	when?	343.1117		
Were there any abnown one Are there any addition one Have there been any Poseidon tank is supplementally in the supplemental of the supplemental	onal supplies/or changes to the cose to be here	equipment needs he current sched a Wednesday or T	ed? If so, what items and the second tems and the second tems and the second tems and the second tems are second to second tems and the second tems are second tems and the second tems are second tems are second tems.	when?	***************************************		February Property
Were there any abnown one Are there any addition one Have there been any possidon tank is suppossed the suppossed on tank is supposse	onal supplies/or changes to the cose to be here	equipment needs he current sched a Wednesday or T	ed? If so, what items and a ule, including volumes ne hursday of next week.	when?	***************************************		February Programme Company
Were there any abnown one Are there any addition one Have there been any Poseidon tank is supplementally in the supplemental of the supplemental	onal supplies/or changes to the cose to be here	equipment needs he current sched a Wednesday or T	ed? If so, what items and a ule, including volumes ne hursday of next week.	when?	***************************************		February Programme Company
Vere there any abnotions The there any additions I ave there been any Poseidon tank is supplied as client provided a Person:	onal supplies/or changes to the cose to be here	equipment needs he current sched a Wednesday or T	ed? If so, what items and a ule, including volumes ne hursday of next week.	when?	***************************************		February 1990

Date:	6/13/2012			Number:		8
			Unit I	Number:		8
Client:	хто			hift Onsite Time:	N/A	am/pm
Location:	Nash 29			hift Offsite Time:	N/A	am/pm
Site Contact:	Bo Jackson			ystem Run Time:	00	Total hrs.
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCES	SS WATER
Processing Hr			re Processing		13	hrs
BBLS Processe			BBLS Proce			2 bbls
BBLS/Hr Proc	essed: #DIV/0!	Cumulative	BBLS/Hr Proc	essed:	419.4	bbi/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pΗ	Turbidity
Lead Operator		06:00				
Crew		08:00				
		10:00				
		12:00				
		14:00				
		16:00				
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	1,725	1,725	NO
		Sodium Hydroxide	0	2,280	2,280	NO
Visitors:	BO JACKSON					
Visitors:						
Visitors:						
Were there any abn	ormal operational issues onsite	?		, F2		
None					-	
Are there any additi	ional supplies/equipment needed	d? If so, what items and v	when?	3.5		3.
None		•		11.00 PM Experiment of 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		<u> </u>	·			
Have there been an	y changes to the current schedu	ile. including volumes ne	eded by client	?		
	pose to be here anytime now.					
Has client provided	any operational feedback (posit	tive or negative)?	1996	516	AL AL	
Person:		Company:	10 Ja		XTO	
N/A						
Additional Con						
	aiting on Poseidon tankCa			location this morn	ing everything	wass good
and offered my service	ces while I was on location Bo J	ackson said that all is good	J,			

Date:	6/14	4/2012		Report	Number:		9
		-			Number:		8
	,	//		-			
Client:		(TO			hift Onsite Time:	N/A	am/pm
Location: Site Contact:		sh 29			hift Offsite Time:	N/A	am/pm
Site Contact:		ackson Worley			ystem Run Time: Onsite Activities:	0	Total hrs.
One Contact.	Faui	vvoney		Frescii	Official Activities.	FROCE	35 WATER
Processing Hr		0 hrs		e Processing		13	hrs
BBLS Processe		0 bbls		BBLS Proces		5,45	2 bbls
BBLS/Hr Proc	essed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	419.4	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator			06:00				
Crew			08:00				
			10:00				
			12:00				
			14:00				
			16:00				
			Chemical	refress y a s	Start Inv.	End Inv.	On Order
			HcL Acid	Usage 0	1,725	1,725	NO NO
			Sodium Hydroxide	0	2,280	2,280	NO
Visitors:			Journal Hydroxide	- 0	2,260	2,280	<u> </u>
Visitors:							
Visitors:							
Were there any abn	ormal operation	onal issues onsite?			-44	Nelsel 142	6. S.
None		CONTRACTOR STATE OF THE CONTRA					
***************************************		····	···				
Are there any additi	onal supplies/	equipment needed?	If so, what items and v	vhen?	Part College	20	200
None				AHMALLIN BOOM			STATE OF STA
			, including volumes ne	eded by client	?	18: ×	e e e
Poseidon tank is sup	pose to be here	e maybe on Monday.					
Has client provided	any operation	al feedback (noels).	e or negative\2	grusper :			No. de tre
Person:	any operation	an recopack (positiv	Company:		269	хто	
N/A						710	
Additional Con							
All tanks are full ,wa	aiting on Poseid	lon tank					

Date:	6/15	/2012	'	Report	Number:	•	10
TABLE D14144					umber:		8
TAND BY WAIT		ON TANK		Ç!	nift Onsite Time:	N/A	am/pm
Location:		sh 29			ift Offsite Time:	N/A	am/pm
Site Contact:		ackson		Control of the Contro	stem Run Time:	0	Total hr
Site Contact:		Worley	·		Onsite Activities:		S WATER
	in the second					40	
Processing Hrs Toda		0 hrs		re Processing I		13	hrs
BBLS Processed Toda		0 bbls		e BBLS Proces			2 bbls
BBLS/Hr Processed:		#DIV/0!	Cumulative	BBLS/Hr Proce	ssed:	419.4	bbl/hr
Lead Supervisor:	Paul \	Worley	Readings:	flow back	Volts/Amps	pH	Turbidit
Lead Operator			06:00				
Crew			08:00				
			10:00				
			12:00				
			14:00				
			16:00				
			0177721	75-2 M	file at the s	n Fudita.	On Orde
			Chemical	Usage	Start Inv.	End Inv. 1,725	NO NO
			HcL Acid Sodium Hydroxide	0	1,725 2,280	2,280	NO
			Joulan Hydroxide		2,200	2,200	140
Visitors:			•				
Visitors:							
Visitors:							
Visitors:							
Visitors:	operatio	nal issues onsit	•?	iy ye			
Visitors: Visitors: Vere there any abnormal of				when?			
Visitors: Visitors: Vere there any abnormal of			e? ed? If so, what items and	when?			
Visitors: Visitors: Vere there any abnormal of the control of the				when?		15 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
Visitors: Visitors: Vere there any abnormal of the control of the	upplies/e	equipment neede	ed? If so, what items and \		7,000 S		
Visitors: Visitors: Vere there any abnormal of the lone The there any additional substitute there any additional substitute there been any change there been any change there been any change the lone.	upplies/e	equipment neede	ed? If so, what items and v		7,000 S	# # # P	
Visitors: Visitors: Vere there any abnormal of the control of the	upplies/e	equipment neede	ed? If so, what items and v		7,000 S		
Visitors: Visitors: Vere there any abnormal done one one one one one one one one one	upplies/e	equipment neede ne current sched maybe on Monda	ed? If so, what items and v lule, including volumes ne ay.		7,000 S	391 34	
Visitors: Visitors: Visitors: Vere there any abnormal done one Vere there any additional subone Vere there any additional subone Vere there been any changes identify the suppose to the s	upplies/e	equipment neede ne current sched maybe on Monda	ed? If so, what items and ville, including volumes nearly.		7,000 S		
Visitors: Visitors: Visitors: Vere there any abnormal dione Vere there any additional subject to the subject to	upplies/e	equipment neede ne current sched maybe on Monda	ed? If so, what items and v lule, including volumes ne ay.		7,000 S	XTO	
Visitors: Visitors: Visitors: Vere there any abnormal done one Vere there any additional subone Vere there any additional subone Vere there been any changes identify the suppose to the s	upplies/e	equipment neede ne current sched maybe on Monda	ed? If so, what items and ville, including volumes nearly.		7,000 S		
Visitors: Visitors: Visitors: Vere there any abnormal dione Vere there any additional subject to the subject to	ges to the behavior	equipment neede ne current sched maybe on Monda	ed? If so, what items and ville, including volumes nearly.		7,000 S		

Date:	6/16	5/2012		Report	Number:	l	11
Late.	0/10	,72012			lumber:		8
STAND BY W	AITING C	N TANK					
Client:		то		S	hift Onsite Time:	N/A	am/pm
Location:	Nas	sh 29		Sec. S	hift Offsite Time:	N/A	am/pm
Site Contact:		ackson				0	Total hrs
Site Contact:		Worley		Present	Onsite Activities:	PROCE	SS WATER
Processing Hrs	Today:	0 hrs	Cumulativ	re Processing	Hrs:	13	hrs
BBLS Processed		0 bbls		e BBLS Proces		5,45	2 bbls
BBLS/Hr Proce		#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	419.4	bbl/hr
		the commence			**************************************		
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator			06:00			•	
Crew			08:00				
			10:00				1
F			12:00				
F			14:00				
			16:00				
<u> </u>			16.00				L
-			Chemical	Henga	Ctart Inv	End Inv.	On Orde
-				Usage	Start Inv.	000000-00000000000000000000000000000000	
L			HcL Acid	0	1,725	1,725	NO NO
			Sodium Hydroxide	0	2,280	2,280	NO
Visitors:							
Visitors:							ļ
Visitors:							
						·	
Vere there any abno	rmal operatio	nal issues onsite	7	774	<u> </u>		
lone							
re there any additio	onal supplies/e	equipment neede	d? If so, what items and v	when?	- Bit - 22		
lone	mai oappiicon	-quipment neces					100301
ione							
			ule, including volumes ne we are suppose to start fillin				
oseidon tank is supp	ose to be nere	On Worlday and v	ve are suppose to start min	g it on Monday	anemoon.		
las client provided	any operationa	al feedback (posi			Colombia (see 1777)	A STATE OF THE STA	
			Company:			XTO	
Person:							
\$79.00°							
I/A							
275.02	7.5-c. ~ 100 ~ 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0						

Date: 6/17	7/2012		Report	Number:		12
				lumber:		8
STAND BY WAITING (
	то			hift Onsite Time:	N/A	am/pm
	sh 29		S	hift Offsite Time:	N/A	am/pm
Marie A Wyser and Control of Cont	ackson		- 100 Sept. 100	dio	0	Total hr
Site Contact: Paul	Worley		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs Today:	0 hrs	Cumulativ	re Processing	Hrs:	13	hrs
BBLS Processed Today:	0 bbls		BBLS Proces		5,45	2 bbls
BBLS/Hr Processed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	419.4	bbl/hr
Lead Supervisor: Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	,	06:00		•	•	
Crew		08:00				
		10:00				
		12:00				
		14:00				
		16:00				
		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	0 0	1,725	1,725	NO
		Sodium Hydroxide	0	2,280	2,280	NO
Visitors:						
Visitors:						
Visitors:						
	7,00		84			
ere there any abnormal operation one	nal issues onsite	17	M. Hilliesa, V.	1	2 - 166 5.5	<u> </u>
one						
				- Marie III		
re there any additional supplies/	equipment neede	d? If so, what items and v	vhen?			
one						
- Milliannin :						
		AL TENNETON OF THE STATE OF THE		•	1744.	
ave there been any changes to the oseidon tank should arrive on Money		ule, including volumes ne	eaea by client	(4.
SOCION WITH SHOULD SHIVE OIL MOIL	uay,					
	***************************************		***************************************			
as client provided any operation	al feedback (posi	tive or negative)?	200		44°	14 - 14 - 15 - 16 - 15 - 16 - 15 - 16 - 16 - 16
as chem provided any operation		Company:			хто	
Person:						
Person:						
Person:	on tank					

Date:	6/18/2012		Report	Number:		13	
			Unit N	lumber:		8	
TAND BY WA	ITING ON TA						
Client:	XTO		S	hift Onsite Time:	N/A	am/pn	
Location:	Nash 29		Si	hift Offsite Time:	N/A	am/pn	
Site Contact:	Bo Jackson		Section 1995		0	Total hr	
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCES	S WATER	
Processing Hrs To	odav: 0	Cumulativ	e Processing	Hrs:	13	hrs	
BBLS Processed To			Cumulative BBLS Processed:				
BBLS/Hr Process		Cumulative	BBLS/Hr Proce	essed:	419.4	bbl/hr	
	1						
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	рH	Turbidit	
Lead Operator	Ken Erler	06:00					
Crew	Adam Pollard	08:00					
		10:00					
		12:00					
		14:00					
		16:00					
		Chemical	Usage	Start Inv.	End Inv.	On Orde	
 		HcL Acid	0	1,725	1,725	NO	
L		Sodium Hydroxide	0	2,280	2,280	NO	
Visitors:		7					
Visitors:							
Visitors:							
ere there any abnorm	al operational issue	site?		1	25	(8)	
one							
re there any additiona	l supplies/equipme	eded? If so, what items and v	when?	: 4	*	9) (4)	
one							
		edule, including volumes ne		?		Com-	
		ted until 8:00, walls were not up	yet.				
	ound 3:00 Pivi and w						
	ound 3:00 Pivi and w						
oseidon tank arrived an							
oseidon tank arrived ar				200		2 × 100	
as client provided any Person:		ositive or negative)?			хто		
oseidon tank arrived ar					хто		
as client provided any Person:	operational feedba				XTO		

Date:	6/19/	2012			Report	Number:	1	14
						umber:		8
STAND	BY WA	AITING C	N TAI	VΚ				
Client:	XT			•••	Shift O	nsite Time:	6:00	am/pn
Location:	Nash				***	ffsite Time:	N/A	am/pn
Contact:	Bo Jac				all Last	100	0	Total hi
Contact:	Paul W				esent Onsite	Activities:	PROCES	
rocessing h	irs Today	0 hrs			ive Proces		13	hrs
BLS Process	sed Toda	0 bbls		Cumulati	ve BBLS P	ocessed:	5,452	bbls
BBLS/Hr Pro	ocessed:	#DIV/0!		Cumulativ	BBLS/Hr	Processed	419.4	bbl/hr
upervisor:	Paul V	/orley		Readings:	flow back	Volts/Amps	рН	Turbidi
Operator	Adam F	Pollard	[06:00				
Crew			[08:00				
			[10:00				
				12:00				
			[14:00				
			[16:00				
			_					
L				Chemical	Usage	Start Inv.	End Inv.	On Ord
			[HcL Acid	0	1,725	1,725	NO
			Sod	ium Hydrox	0	2,280	2,280	NO
Visitors:			L					
Visitors:			Į					
Visitors:			L					
Were there a	ny abnorr	nal operatio	nal issues	onsite?	COMPANIES.	-10	State SHE	
None								
Are there any	y addition	al supplies/e	quipmen	t needed?	if so, what	items and v	vhen?	
Vone								
	een anv c	hanges to th		schedule,	including	volumes ne	eded by cl	ient?
		-l. t- b	letely					
		ik to be com						
		nk to be com						
		nk to be com						
Vaiting on Po	oseidon tai	y operation	l feedbac	k (positive	or negativ	e)?		
Waiting on Po	oseidon tai			k (positive Company	or negativ	e)?	хто	
Vaiting on Po	oseidon tai				or negativ	e)?	хто	
Waiting on Po	oseidon tai				or negativ	e)?	хто	
Vaiting on Po	oseidon tar				or negativ	e)?	хто	

Date:							
Date:	6/20	/2012			Number:		15
				Unit N	lumber:		8
			ı				1
Client:		то			hift Onsite Time:	5:00 9:00 PM	am/pm
Location: Site Contact:		sh 29 ackson		Ы	nift Offsite Time:	9:00 PM	am/pm Total hrs.
Site Contact:		Worley		Present (Onsite Activities:		SS WATER
			1				
Processing Hrs	Today:	0 hrs	Cumulativ	e Processing	Hrs:	13	hrs
BBLS Processed		0 bbis	Cumulative	BBLS Proces	sed:	5,45	2 bbls
BBLS/Hr Proce	essed:	#DIV/0!	Cumulative	BBLS/Hr Proce	essed:	419.4	bbl/hr
Lead Supervisor:	Paul \	Vorley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		Pollard	06:00		1.023		
Crew			08:00				
			10:00				
			12:00				
			14:00				
_			16:00				<u> </u>
-			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	1,725	1,725	YES
L			Sodium Hydroxide	0	2,280	2,280	YE5
Visitors:	BO JA	CKSON					
Visitors:							
Visitors:							
Visitors:							
				794/8/			
Were there any abno				NES TOO FAR	TO PUMP WITH	LOUR PUMP	CALLED BO
Were there any abno	ING TO MAIN	CLEAN TANK AN	e? Sasibilities ND PRESSURED UP ON LI	NES TOO FAR	TO PUMP WITH	I OUR PUMP.	CALLED BO
Were there any abno YES TRIED PUMP JACKSON AND HE H	ING TO MAIN HOOKED UP AI	CLEAN TANK AN NOTHER PUMP.	ND PRESSURED UP ON LI		TO PUMP WITH	OUR PUMP.	
Were there any abno YES TRIED PUMP JACKSON AND HE H	ING TO MAIN HOOKED UP AF	CLEAN TANK AN NOTHER PUMP.	ND PRESSURED UP ON LI		TO PUMP WITH	OUR PUMP.	CALLED BO
Were there any abno YES TRIED PUMP JACKSON AND HE H	ING TO MAIN HOOKED UP AF	CLEAN TANK AN NOTHER PUMP.	ND PRESSURED UP ON LI		TO PUMP WITH	OUR PUMP.	
Were there any abno YES TRIED PUMP JACKSON AND HE H	ING TO MAIN HOOKED UP AF	CLEAN TANK AN NOTHER PUMP.	ND PRESSURED UP ON LI		TO PUMP WITH	OUR PUMP.	
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6	PING TO MAIN HOOKED UP AN PINAL SUPPLIES/6 6500 GAL ACIE	CLEAN TANK AN NOTHER PUMP. equipment needed and caustic	ND PRESSURED UP ON LI	vhen?			
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6	PING TO MAIN HOOKED UP AN PINAL SUPPLIES/6 6500 GAL ACIE	CLEAN TANK AN NOTHER PUMP. equipment needed and caustic	ND PRESSURED UP ON LI	vhen?			NATIONAL DESCRIPTION OF THE PROPERTY OF THE PR
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6	PING TO MAIN HOOKED UP AN PINAL SUPPLIES/6 6500 GAL ACIE	CLEAN TANK AN NOTHER PUMP. equipment needed and caustic	ND PRESSURED UP ON LI	vhen?			NATIONAL DESCRIPTION OF THE PROPERTY OF THE PR
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6 Have there been any	onal supplies/e 6500 GAL ACID changes to the	CLEAN TANK AN NOTHER PUMP. Equipment needs O AND CAUSTIC	ed? If so, what items and water the sound of	when? eded by client	Parameter 12		
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6 Have there been any NO	onal supplies/e 6500 GAL ACID changes to the	CLEAN TANK AN NOTHER PUMP. Equipment needs O AND CAUSTIC	ed? If so, what items and very tranks. TANKS. ule, including volumes ne	vhen?	Parameter 12		
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6 Have there been any	onal supplies/e 6500 GAL ACID changes to the	CLEAN TANK AN NOTHER PUMP. Equipment needs O AND CAUSTIC	ed? If so, what items and water the sound of	when? eded by client	Parameter 12		
Were there any abnovers TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6 Have there been any NO Has client provided a Person:	onal supplies/e 6500 GAL.ACIE changes to the	CLEAN TANK AN NOTHER PUMP. Equipment needs O AND CAUSTIC	ed? If so, what items and very tranks. TANKS. ule, including volumes ne	when? eded by client	Parameter 12		
Were there any abno YES TRIED PUMP JACKSON AND HE H Are there any addition YES FITTINGS FOR 6 Have there been any NO Has client provided a Person: N/A Additional Com	onal supplies/e 6500 GAL.ACID changes to the	CLEAN TANK AN NOTHER PUMP. Equipment needs D AND CAUSTIC THE CURRENT SCHOOL THE CUR	ed? If so, what items and very tranks. TANKS. ule, including volumes ne	when?		XTO	

Date:	6/21/2012		Report	Number:		16
				lumber:		8
Client:	хто		S	hift Onsite Time:	5:30	am/pm
Location:	Nash 29		SI SI	nift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo Jackson			100	9	Total hr
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCES	SS WATER
Processing Hrs To	oday: 9 hrs	Cumulativ	e Processing	Hrs:	13	hrs
BBLS Processed T	oday: 3,828 bbis	Cumulative	BBLS Proces	sed:	5,45	2 bbls
BBLS/Hr Process	sed: 425.333333	3 Cumulative	BBLS/Hr Proc	essed:	419.4	bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	Adam Pollard	07:30		100	7.23	1.36
Crew	Ken Erler	09:30		100	6.98	1.23
		11:30		100	6.43	1.05
		13:30		100	6.23	0.98
<u> </u>		15:30		100	6.76	1.31
<u> </u>		16:30		100	6.81	1.03
		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	213	1,725	1,512	YES
		Sodium Hydroxide	295	2,280	1,985	YES
Visitors:	BO JACKSON					
Visitors:						
Visitors:						
					th,	W.
e there any additiona	nal operational issues of	eeded? If so, what items and v	vhen?			
o re there any additiona O	al supplies/equipment no			?		
e there any additiona) ive there been any ch	al supplies/equipment no manges to the current sc	eeded? If so, what items and v hedule, including volumes ne		?		
re there any additiona O ave there been any ch	al supplies/equipment no	eeded? If so, what items and v hedule, including volumes ne		?	хто	

Date:	6/2	2/2012		Report	Number:		17
		<u> </u>			Yumber:		8
Client:	>	кто		S	hift Onsite Time:	5:30	am/pm
Location:	Na	sh 29		S	hift Offsite Time:	12:00 AM	am/pm
Site Contact:	Bo J	ackson				11	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
Processing Hr	s Today:	11 hrs	Cumulativ	ve Processing	Hrs:	33	hrs
BBLS Processe	d Today:	3,555 bbls	Cumulativ	e BBLS Proces	ssed:	12,83	35 bbls
BBLS/Hr Proc	essed:	323.1818182	Cumulative	BBLS/Hr Proc	essed:	388.9	bbl/hr
						<u></u> -	
Lead Supervisor:		Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator		n Pollard n Erler	07:30 09:30		100 100	6.57 6.87	1.63 1.87
Crew		y Lee	11:30		100	6.43	1.19
ŀ		McGruder	13:30		100	7.02	1.19
	L.GGy 1	//COILIGE!	15:30		100	7.02	1.32
•			16:30		100	6.79	1.27
		,					
ľ			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	197	1,512	1,315	YES
			Sodium Hydroxide	262	1,985	1,723	YES
Visitors:	BO JA	CKSON					
Visitors:					,		
Visitors:							
							<u></u>
			•				
Were there any abnumber 1 HAD TO REPLACE A		nai issues onsite					
HAD TO REFEACE A	ACID FOIVIF						
		w 		· · · · · · · · · · · · · · · · · · ·			
Are there any additi	onal supplies/	equipment needed	l? If so, what items and v	when?			C. C.
NO							
Have there been an	y changes to t	he current schedu	le, including volumes ne	eded by client	?		
NO							
		-15161-/18					
Has client provided Person:	any operation	ai reeoback (positi	Company:			XTO	
N/A			Company.			AIU	
. •							
Additional Con	nments						
		AM. COMPLETED	AND REVIEWED JSA. S	TARTED PROC	CESSING WATER	R. HAD SMALL	PROBLEM
			T THE DAY, SO WE HAD				VERYTHING
WENT GOOD. WE F	HAD TO MAKE	SMALL ADJUSTM	ENTS TO THE CAUSTIC	AND ACID THE	ROUGH OUT THE	E DAY.	

Date:	6/2	3/2012		Report	Number:	1	18
	·		Ì		iumber:		8
Client:		хто		S	hift Onsite Time:	5:00	am/pm
Location:	Na	sh 29			hift Offsite Time:	5:00 AM	am/pm
Site Contact:	Во	Jackson				23	Total hr
Site Contact:	Pau	Worley	l	Present	Onsite Activities:	PROCES	S WATER
Processing Hrs	Today:	23 hrs	Cumulativ	e Processing	Hrs:	56	hrs
BBLS Processed		7,541 bbls	Cumulative	20,37	6 bbls		
BBLS/Hr Proce	ssed:	327.8695652	Cumulative I	Cumulative BBLS/Hr Processed:		363.9	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	Adan	n Pollard	07:00		100	7.23	1.98
Crew		n Erler	13:00		100	6.97	1.76
		ıy Lee	19:00		100	6.72	1,56
	Eddy	McGruder	23:00		100	7.15	1.87
_			2:00		100	6.45	1.45
-			4:00		100	6.81	1.51
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	416	1,315	899	YES
			Sodium Hydroxide	590	1,723	1,133	YES
Visitors:	BO J	ACKSON					
Visitors:							
ere there any abnor	mal operation	onal issues onsite	?1 227 345		74. 48	.	2
	nal supplies	/equipment neede	d? If so, what items and w	vhen?			e e e e e e e e e e e e e e e e e e e
D .							
ave there been any	changes to t	he current schedu	ule, including volumes ne	eded by client	?	44	25
	changes to t	he current schedu	ale, including volumes ne	eded by client	•	F-851	## T
eve there been any o			tive or negative)?	eded by client	? 		
ave there been any					?	хто	
es client provided a	ny operatior		tive or negative)?				

Date:	6/24/2012]	Report	Number:		19
	3/2.1/2012	ı	5.00 T	Number:		8
		_				
Client:	XTO			hift Onsite Time:	5:00	am/pm
Location:	Nash 29		Stanton S	hift Offsite Time:	1:30 PM	am/pm
Site Contact:	Bo Jackson		The second second	76.	8	Total hr
Site Contact:	Paul Worley	l	Present	Onsite Activities:	PROCES	S WATER
Processing Hrs 1	Today: 8 hrs	Cumulativ	re Processing	Hrs:	64	hrs
BBLS Processed			e BBLS Proces		24,182 bbls	
BBLS/Hr Proces		Cumulative	BBLS/Hr Proc	essed:	377.8	bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	Adam Pollard	07:00		100	6.89	1.89
Crew	Ken Erler	09:00		100	7.03	1.45
	Ray Lee	11:00		100	7.09	1.76
	Eddy McGruder	13:00		100	6.97	1.94
		N/A		N/A	N/A	N/A
_		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	213	899	686	YES
		Sodium Hydroxide	295	1,133	838	YES
Visitors:	BO JACKSON					
Visitors:				ļ		
Visitors:				!		
lere there any abnor	mal operational issues onsit	e?				
20000000	nal supplies/equipment need	ed? If so, what items and v	when?			
20000000	al supplies/equipment need	ed? If so, what items and t	when?			
10						24
0	al supplies/equipment need					
ave there been any o	changes to the current sched	lule, including volumes ne				
ove there been any co		lule, including volumes ne illus or negative)?			XIO.	
O ave there been any o	changes to the current sched	lule, including volumes ne			хто	

	6/25/2012		Report	Number:		20
Date:				lumber:		8
Client:	хто	\neg	S	hift Onsite Time:	6:00	am/pm
Location:	Nash 29			hift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo Jackson			46 Mg (5)	11	Total hrs.
Site Contact:	Paul Worley		Present	Onsite Activities:	Р	ROCESS WATER
Processing Hrs To	oday: 4 hrs	Cumulati	ve Processing	Hrs:		75 hrs
BBLS Processed T			e BBLS Proces			25,632 bbls
BBLS/Hr Process			BBLS/Hr Proc			341.8 bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	рH	Turbidity
Lead Operator	Adam Pollard	07:00		100	6.97	1.67
Crew	Ken Erler	09:00		100	7.13	1.89
	Ray Lee	11:00		100	6.89	1.45
	Eddy McGruder	12:30		100	6.57	1.72
		N/A		N/A	N/A	N/A
<u> </u>		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	115 150	5,686 220	5,571 70	RECEIVED 5000 GAL
Visitors:	BO JACKSON	Sodium Hydroxide	150	220	/0	163
Visitors:	BO SACAGON					
Visitors:						
	nal operational issues on	site?	1. (2.96%)			P
		eded? If so, what items and	when?	(6000-12)		
there any additions	al supplies/equipment ne			(*************************************		
there any additions	al supplies/equipment ne	eded? If so, what items and		***************************************		
there any additions ve there been any ch	al supplies/equipment ne	eded? If so, what items and nedule, including volumes n positive or negative)?		***************************************		
there any additiona ve there been any ch	al supplies/equipment ne nanges to the current sch	eded? If so, what items and nedule, including volumes n			хт	0

Date:	6/2	6/2012		Repor	t Number:		21	
***************************************					Number:		8	
Client:		сто		440000	Shift Onsite Time:	6:00	am/pm	
Location:	Na	sh 29		5	hift Offsite Time:	5:00 PM	am/pm	
Site Contact:		ackson				0	Total hrs.	
Site Contact:		Worley		Present	Onsite Activities:	PROCE	SS WATER	
MAINTENAN								
Processing Hrs T		0 hrs		ve Processing		75 hrs		
BBLS Processed 7		1,450 bbls		e BBLS Proce		25,632 bbls		
BBLS/Hr Proces	sed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essea:	341.	8 bbl/hr	
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity	
Lead Operator			N/A		N/A	N/A	N/A	
Crew			N/A		N/A	N/A	N/A	
			N/A		N/A	N/A	N/A	
			N/A		N/A	N/A	N/A	
			N/A		N/A	N/A	N/A	
			N/A		N/A	N/A	N/A	
-			Chemical	Usage	Start Inv.	End Inv.	On Order	
			HcL Acid	0	5,686	5,686	CEIVED 5000	
			Sodium Hydroxide	0	1,000	1,000	YES	
Visitors:	BO JA	CKSON						
Visitors:								
Visitors:				J	<u> </u>			
		•	• 4					
Were there any abnorr	nal operation	onal issues onsite	7 (180,000)					
	ıl sunnlies/	aguinment neede	d? If so what items and	when?				
Are there any addition	al supplies/	equipment neede	d? If so, what items and	when?				
	al supplies/	equipment neede	d? If so, what items and	when?		T.		
Are there any addition	al supplies/	equipment neede	d? If so, what items and	when?				
Are there any addition:			d? If so, what items and					
Are there any addition:								
Are there any addition: NO Have there been any c					7			
Are there any addition. NO Have there been any c	hanges to t	he current schedu	ile, including volumes ne		7	Control of the Contro		
Are there any addition: NO Have there been any contone NO Has client provided an	hanges to t	he current schedu	ile, including volumes ne tive or negative)?		?			
Are there any addition: NO Have there been any control NO Has client provided an Person:	hanges to t	he current schedu	ile, including volumes ne		?	XTO		
Are there any addition: NO Have there been any contone NO Has client provided an	hanges to t	he current schedu	ile, including volumes ne tive or negative)?		7	XTO		

Date:	6/27/2012		Report	Number:		22
	-,,			lumber:		8
Client:	хто		S	hift Onsite Time:	6:00	am/pm
Location:	Nash 29			nift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo Jackson		74 11 14	A second	0	Total hrs.
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCE	SS WATER
Processing Hrs T	odav: 0 hrs	Cumulativ	e Processing	Hrs:	75	hrs
BBLS Processed		Cumulativ	25,6	32 bbls		
BBLS/Hr Proces			BBLS/Hr Proc		341.8	bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator		N/A		N/A	N/A	N/A
Crew		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	5,686	5,686	CEIVED 5000
		Sodium Hydroxide	0	1,000	1,000	YES
Visitors:	BO JACKSON					
Visitors:						
Visitors:						
ere there any abnori	nal operational issues onsite	7 2002				
e there any addition	al supplies/equipment neede	d? If so, what items and t	when?			
	hanges to the current sched	ule, including volumes ne	eded by client	?		
O ave there been any c						
o as client provided ar	ny operational feedback (posl					20/10/20
as client provided ar	ny operational feedback (posi	tive or negative)? Company:		A STATE OF THE STA	хто	
o as client provided ar	ny operational feedback (posi				XTO	

Date:	6/28/2012	1	Report	Number:		23	
<u> </u>		,		lumber:	8		
		_					
Client:	хто	_		hift Onsite Time:	N/A	am/pm	
Location:	Nash 29]		hift Offsite Time:	N/A	am/pm	
Site Contact:	Bo Jackson				0	Total hrs,	
Site Contact:	Paul Worley	J	Present	Onsite Activities:	PROCE	ESS WATER	
STAND BY	0 hrs	1 Cumulath	Brosseeina	ti-a,	75	- hea	
Processing Hrs To BBLS Processed To			Cumulative Processing Hrs: Cumulative BBLS Processed:		75 hrs 25,632 bbls		
BBLS/Hr Processed: #DIV/0!		_	Cumulative BBLS/Hr Processed:			341.8 bbl/hr	
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH N/A	Turbidity	
Lead Operator		N/A		N/A	N/A	N/A	
Crew		N/A N/A		N/A N/A	N/A N/A	N/A N/A	
<u> </u>		N/A N/A	 	N/A N/A	N/A	N/A N/A	
		N/A N/A		N/A N/A	N/A N/A	N/A N/A	
		N/A N/A		N/A N/A	N/A N/A	N/A N/A	
		19/5		14/75	19/0	14/7	
		Chemical	Usage	Start Inv.	End Inv.	On Order	
		HcL Acid	0	5,686	5,686	CEIVED 5000 GA	
		Sodium Hydroxide	0	1,000	1,000	YES	
Visitors:	BO JACKSON			ļ.			
Visitors:				 			
Visitors:				1			
		·					
		le?					
Varanthaan anni d	al acceptional incurs and						
	al operational issues onsit	<u>er </u>					
Vere there any abnorm	al operational issues onsit	le f					
	al operational issues onsit	le r					
	al operational issues onsit	le (<u> </u>			
10							
10	al operational issues onsit						
NO Are there any additional							
NO Are there any additional					***		
NO Ne there any additiona NO Nave there been any ch		ed? If so, what items and v	when?	Pagestoria area (14)			
NO Ne there any additional	l supplies/equipment need	ed? If so, what items and v	when?	Property (Company of the State)			
NO Ne there any additiona NO Nave there been any ch	l supplies/equipment need	ed? If so, what items and v	when?	? (specification of the specification of the spec			
No Are there any additional NO	I supplies/equipment need anges to the current sched	ed? If so, what items and v dule, including volumes ne	when?	?			
No Are there any additional NO	l supplies/equipment need	ed? If so, what items and v dule, including volumes ne sitive or negative)?	when?		293		
Are there any additional IO lave there been any chilo las client provided any Person:	I supplies/equipment need anges to the current sched	ed? If so, what items and v dule, including volumes ne	when?	? ************************************			
No Are there any additional NO	I supplies/equipment need anges to the current sched	ed? If so, what items and v dule, including volumes ne sitive or negative)?	when?	? ************************************	293		

Date:	6/29	9/2012		Report	Number:		24
					Number:		8
Client:	x	то	!		hift Onsite Time:	N/A	am/pm
Location:		sh 29			hift Offsite Time:	N/A	am/pm
Site Contact:		ackson		Paramana and an analysis of the same and the	1000	0	Total hrs.
Site Contact:		Worley		Present	Onsite Activities:	PROCE	SS WATER
STAND BY							
Processing Hrs To	oday:	0 hrs		e Processing		75	
BBLS Processed T		1,450 bbls		BBLS Proce			32 bbls
BBLS/Hr Process	sed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	341.	8 bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator			N/A		N/A	N/A	N/A
Crew			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
<u> </u>			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	5,686	5,686	CEIVED 5000
			Sodium Hydroxide	0	1,000	1,000	YES
Visitors:	BO JA	CKSON					
Visitors:							
Visitors:							
Were there any abnorm NO Are there any additiona			? d? If so, what items and v	vhen?			
lave there been any ch	anges to th	ne current schedu	ale, including volumes ne	eded by client	?		
O as client provided any	operation	al feedback (posi			A contract space.		
las client provided any Person:	operation.	al feedback (posi	tive or negative)? Company:			хто	

Date:	6/30/2012		Report	Number:		25
		J		lumber:		8
Client:	хто		S	hift Onsite Time:	N/A	am/pm
Location:	Nash 29		S	hift Offsite Time:	N/A	am/pm
Site Contact:	Bo Jackson				0	Total hrs.
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCE	SS WATER
STAND BY						
Processing Hrs Tod	ay: 0 hrs	Cumulati	ve Processing	Hrs:	7 5	hrs
BBLS Processed Too	iay: 0 bbls	Cumulativ	e BBLS Proces	ssed:	25,0	532 bbls
BBLS/Hr Processes	d: #DIV/0!	Cumulative	BBLS/Hr Proc	essed:	341.	8 bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		N/A		N/A	N/A	N/A
Crew		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	120	5,686	5,566	CEIVED 5000
<u> </u>		Sodium Hydroxide	100	1,000	900	YES
Visitors:	BO JACKSON					
Visitors:						
Visitors:						
Vere there any abnorma	Longrational legues of	scita?				
vere there any aphorma IO	operational issues of	isite?	i i i i i i i i i i i i i i i i i i i			

	supplies/equipment ne	eded? If so, what items and	when?	***		4
re there any additional						
re there any additional s						
10						
IO lave there been any chai	nges to the current scl	hedule, including volumes ne	eded by client	?		
IO lave there been any chai	nges to the current scl	hedule, including volumes ne	eded by client	7		
10	nges to the current scl	hedule, including volumes ne	eded by client	?		i Sar
lave there been any char			eded by client	?		
ave there been any char O las client provided any c		positive or negative)?	eded by client	?	XTO	
IO lave there been any chai			eded by client	?	хто	
ave there been any char O as client provided any c Person:		positive or negative)?	eded by client	?	хто	

Date:	7/1/	/2012	 	Repor	t Number:		26
				The second secon	Number:		8
Client:	x	то			Shift Onsite Time:	3:00	am/pm
Location:	******	sh 29		and the second second second second	Shift Offsite Time:	9:30 PM	am/pm
Site Contact:	Bo Ja	ackson				6	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCE	SS WATER
Processing Hrs	Today:	6 hrs	Cumulative	Processing	Hre: 3h a	81	hrs
BBLS Processed		1,650 bbls		BBLS Proce			32 bbls
BBLS/Hr Proces		275	Cumulative B				2 bbl/hr
			- Cultivalative D				
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator		LEE	0500		100	6.67	0.87
Crew		CGRUBER	0700		100	6.73	0.98
			0900		100	6.91	1.03
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
-							The second of
-			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	120	5,686	5,566	CEIVED 5000
Visitors:		1	Sodium Hydroxide	100	1,000	900	YES
Visitors:							
Visitors:					-		
	mal operatio	nal issues onsite	? ************************************		A 959-25-11/16		
			· · · · · · · · · · · · · · · · · · ·				
Vere there any abnor O re there any addition		equipment neede	d? If so, what items and w	hen?	Ja		
o re there any addition	nal supplies/e		d? If so, what items and wi		?		
e there any addition	nal supplies/e changes to th	e current schedu	ile, including volumes nee				
e there any addition	nal supplies/e changes to th	e current schedu	ile, including volumes nee		?	XTO	
e there any addition ave there been any o	nal supplies/e changes to th	e current schedu	ile, including volumes nee			XTO	
e there any addition eve there been any of the control of the con	nal supplies/e changes to th ny operations	e current schedu	ile, including volumes nee			XTO	
e there any addition ave there been any of as client provided an Person: A Additional Comm	nal supplies/e changes to th my operationa	e current schedu al feedback (posit	ile, including volumes nee	ded by clien	A 1		TANKS WED

Date:	7/2	/2012	1	Report	Number:	***************************************	27
	.,-,-	,	1		Number:		8
Client:	Х	то		S	hift Onsite Time:	N/A	am/pm
Location:	Nas	sh 29		S	hift Offsite Time:	N/A	am/pm
Site Contact:	Bo Ja	ackson		200	Shuthark grant	0	Total hrs
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
STAND BY							
Processing Hrs 7	oday;	0 hrs	Cumulativ	e Processing	Hrs;	75	hrs
BBLS Processed	Today:	0 bbls		e BBLS Proces		25,63	32 bbls
BBLS/Hr Proces	sed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	341.8	bbi/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator			N/A		N/A	N/A	N/A
Crew			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	5,556	5,556	
			Sodium Hydroxide	0	900	900	
Visitors:	BO JA	CKSON					
Visitors:							
Visitors:				L			
							i
•			•				***
	nai operatio	nal issues onsit	e r	201 2 2		7-11/2 H	
The second secon							
The second secon							
The second secon							***************************************
10	al supplies/e	equipment need	ed? If so, what items and v	when?			
IO	al supplies/e	equipment need	ed? If so, what items and v	when?		,	
Tre there any addition	al supplies/e	equipment need	ed? If so, what items and v	when?			
ore there any addition	al supplies/e	equipment need	ed? If so, what items and v	when?			
re there any addition			ed? If so, what items and v		?		
re there any addition					?		
re there any addition					2	7	
re there any addition	hanges to th	ne current sched	lule, including volumes ne		?		
re there any addition O lave there been any o	hanges to th	ne current sched	fule, including volumes ne		?		
we there any addition IO Iave there been any color Io Ias client provided ar Person:	hanges to th	ne current sched	lule, including volumes ne		?		
ave there been any c	hanges to th	ne current sched	fule, including volumes ne		?		

Date:	7/3	/2012		Report	Number:		28
1	, ,				lumber:		8
Client:	Х	то			hift Onsite Time:	N/A	am/pn
Location:		sh 29		S	nift Offsite Time:	N/A	am/pn
Site Contact:		ackson			1000	0	Total hr
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	S WATER
TAND BY		0 h 1				75	hrs
Processing Hrs To BBLS Processed To		0 hrs 0 bbls		ve Processing e BBLS Proces			2 bbls
BBLS/Hr Processe		#DIV/0!		BBLS/Hr Proc			bbl/hr
BBLS/RI FIGCESS	.u	#51470:	Cumulauve	BBLOMI FIOC		041.0	DDI/III
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidi
Lead Operator			N/A		N/A	N/A	N/A
Crew			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A N/A
			N/A		N/A	N/A	IV/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	0	5,566	5,566	
			Sodium Hydroxide	0	900	900	
Visitors:	BO JA	CKSON					
Visitors:							
Visitors:			<u> </u>	l			
ere there any abnorma	ıl oneratio	nal ieeuse oneite			11.04	(E)	7
)	ii operatio	na issues offsite	•				
	supplies/e	equipment neede	d? If so, what items and	when?	. A		
)							
		····					
				and and the safe-safe-safe-safe-safe-safe-safe-safe-	3		
ve there been armat.	inges to tr	ie current sched	ule, including volumes ne	eueu by chent		.	

					grown tryp is	Life Control	SERVICE CONTRACTOR
s client provided any	operation	al feedback (posi					
s client provided any Person:	operation	al feedback (posi	itive or negative)? Company:	A CONTRACTOR OF THE CONTRACTOR		хто	
s client provided any	operation	al feedback (posi		Alm 780	(AMILIANIA		
s client provided any Person:		al feedback (posi			2000		

Date	7/4	/2012	İ	Penert	Number:		29
Date:	//4	/2012			Number:		8
				<u> </u>	toniber.		
Client:	x	то		S	hift Onsite Time:	N/A	am/pm
Location:	Na	sh 29		S	hift Offsite Time:	N/A	am/pm
Site Contact:	Bo Ja	ackson				0	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
STAND BY	ſ						
Processing Hrs	Today:	0 hrs	Cumulativ	re Processing	Hrs:	75	hrs
BBLS Processed		0 bbls		BBLS Proces		25,63	32 bbls
BBLS/Hr Proce	essed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	341.8	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	1 401	voney	N/A	HOW BOCK	N/A	N/A	N/A
Crew			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
- -			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
-			N/A		N/A	N/A	N/A
_			Chemical	Usage	Start Inv.	End Inv.	On Order
L			HcL Acid	0	5,566	5,566	
Visitors:	BO JA	CKSON	Sodium Hydroxide	0	900	900	
Visitors:		 					
Visitors:							
					· · · · · · · · · · · · · · · · · · ·		
						······································	
	rmal operatio	nal issues onsite	e?		The second second		
Were there any abno							
Were there any abno NO							
-							
-							
NO							
NO Are there any addition		equipment neede	ed? If so, what items and v	vhen?			- FE - FE
NO		equipment neede	ed? If so, what items and v	vhen?	na Saudilla		
NO Are there any addition		equipment neede	ed? If so, what items and v	vhen?			
NO Are there any addition	onal supplies/						
NO Are there any addition	onal supplies/		ed? If so, what items and v				
Are there any addition NO Have there been any	onal supplies/						
Are there any addition NO Have there been any	onal supplies/o	he current sched	ule, including volumes ne	eded by client	Captura Carrier (Captura)		
Are there any addition Have there been any	onal supplies/o	he current sched	ule, including volumes ne itive or negative)?	eded by client	Contraction of the second section of the section		
Are there any addition NO Have there been any	onal supplies/o	he current sched	ule, including volumes ne	eded by client	Contraction of the second section of the section		
Are there any addition Have there been any NO Has client provided: Person:	onal supplies/o	he current sched	ule, including volumes ne itive or negative)?	eded by client	Contraction of the second section of the section		

Date:	7/5/2	012		Report	Number:		30
					lumber:		8
Client:	XT	0		Sign Sign	hift Onsite Time:	N/A	am/pm
Location:	Nash			SI	nift Offsite Time:	N/A	am/pm
Site Contact:	Bo Jac			5	A - 25 - 101 -	0	Total hr
Site Contact: STAND BY	Paul W	rorley	L	Present C	Onsite Activities:	PROCES	S WATER
Processing Hrs To	dav:	0 hrs	Cumulative	Processing	Hrs:	75	hrs
BBLS Processed To		0 bbls		BBLS Proces			2 bbls
BBLS/Hr Process		#DIV/0!		BLS/Hr Proce	Advanced to the second	341.8	bbl/hr
Lead Supervisor:	Paul W	lorley	Readings:	flow back	Volts/Amps	pH	Turbidit
Lead Operator	1 801 11	- C.10y	N/A	HOW DECK	N/A	N/A	N/A
Crew	***************************************		N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
-			Chemical	Usage	Start Inv.	End Inv.	On Orde
			Hcl Acid	0	5,566	5,566	
			Sodium Hydroxide	0	900	900	
Visitors:	BO JAC	KSON					
Visitors:							
Visitors:							
72727. A. P. C. W.	al operation	al issues onsite	? ***	Table 1		TALLY	
vere there any abnorma IO							
10	supplies/ed	juipment neede	ed? If so, what items and w	hen?			
10	supplies/ed	juipment neede	ed? If so, what items and w	hen?			
O re there any additional O					\$ 18. 18.		
re there any additional O ave there been any cha			ed? If so, what items and w ule, including volumes nee		**************************************		
re there any additional O ave there been any cha					\$ 3 × 8		(7) - 1 3
re there any additional	anges to the	current sched	ule, including volumes nee				
re there any additional O ave there been any cha	anges to the	current sched	ule, including volumes nee			XTO	

Date:	7/6,	/2012		Report	Number:		31
				Unit I	Yumber:		8
Client:		то		100000 2000000000 210 MMA-0000	hift Onsite Time:	N/A	am/pm
Location:		sh 29			hift Offsite Time:	N/A	am/pm
Site Contact:		ackson		_		0	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
STAND BY							
Processing Hrs To		0 hrs		e Processing		75	hrs
BBLS Processed To		0 bbls		BBLS Proce			32 bbls
BBLS/Hr Process	ed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	341.8	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	ρH	Turbidity
Lead Operator			N/A	AA.2:-OO:::::71.77.77.7	N/A	N/A	N/A
Crew			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
-			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	5,566	5,566	
<u> </u>		1	Sodium Hydroxide	0	900	900	
Visitors:	BO JA	CKSON					
Visitors:							
Visitors:							
Were there any abnorm	al operatio	nal issues onsite	7-				
Were there any abnorm	al operatio	nal issues onsite	? =2	20.25			
	al operatio	nal issues onsite	P last 1973		94		
	al operatio	nal issues onsite	?		2		siden To the
NO							kirkese ita ili
NO Are there any additiona			ed? If so, what items and v				a deservición de
NO							ni Henri (i. 174
NO Are there any additiona						- segan	
NO Are there any additiona NO	i supplies/e	equipment neede	d? If so, what items and v	vhen?			
Tre there any additiona	i supplies/e	equipment neede		vhen?			
NO Are there any additiona NO	i supplies/e	equipment neede	d? If so, what items and v	vhen?			
Are there any additiona NO Have there been any ch	i supplies/e	equipment neede	d? If so, what items and v	vhen?			Allegan (C. 1948)
Are there any additiona NO Have there been any ch	I supplies/o	equipment neede ne current sched	d? If so, what items and v	vhen?			A TOTAL STATE
Are there any additiona NO Have there been any ch NO Has client provided any	I supplies/o	equipment neede ne current sched	d? If so, what items and v ule, including volumes ne itive or negative)?	vhen?			
Are there any additionand NO Have there been any chino Has client provided any Person:	I supplies/o	equipment neede ne current sched	d? If so, what items and v	vhen?			
Are there any additiona NO Have there been any ch NO Has client provided any	I supplies/o	equipment neede ne current sched	d? If so, what items and v ule, including volumes ne itive or negative)?	vhen?			
Are there any additionand NO Have there been any chino Has client provided any Person:	i supplies/c anges to the	equipment neede ne current sched	d? If so, what items and v ule, including volumes ne itive or negative)?	vhen?			

Date: 7/7	7/2012		Report	Number:	;	32
		1		lumber:		8
	хто	·	-	hift Onsite Time:	N/A	am/pn
	ash 29			hift Offsite Time:	N/A	am/pn
	Jackson			mit Offsite Time.	0	Total hr
	l Worley		Present	Onsite Activities:		S WATER
STAND BY		•				
Processing Hrs Today:	0 hrs		e Processing		75	hrs
BBLS Processed Today:	0 bbls		BBLS Proces			2 bbls
BBLS/Hr Processed:	#DIV/0!	Cumulative I	BBLS/Hr Proc	essed:	341.8	bbl/hr
Lead Supervisor: Paul	l Worley	Readings:	flow back	Volts/Amps	pH	Turbidit
Lead Operator		N/A		N/A	N/A	N/A
Crew		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	0	5,566	5,566	
		Sodium Hydroxide	0	900	900	
Visitors: BO J	ACKSON					
Visitors:						
Visitors:						
Visitors: Vere there any abnormal operation	onal issues onsit	e?	s. (1 ⁵ 6)		3, 3	A
ere there any abnormal operati			vhen?		795 TOP	d ₂ 发
fere there any abnormal operation	/equipment need	ed? If so, what items and v			30.	6. 9s.
re there any additional supplies O ave there been any changes to to	/equipment needo	ed? If so, what items and v lule, including volumes ne				
re there any additional supplies	/equipment needo	ed? If so, what items and v			хто	

			1				
Date:	7/8	/2012			Number:		33
			İ	Unit	łumber:		8
**			!	Table 1	1.60	N1/4	T /
Client:		(TO			hift Onsite Time:	N/A	am/pm
Location: Site Contact:		sh 29 ackson		3	hift Offsite Time:	N/A 0	am/pm Total hrs.
Site Contact:		Worley		Present	Onsite Activities:		SS WATER
STAND BY		Worldy	•	11000		1,7,002	
Processing Hrs 1	oday:	0 hrs	Cumulativ	e Processing	Hrs:	75	hrs
BBLS Processed	Today:	0 bbls	Cumulative	BBLS Proces	ssed:	25,63	32 bbls
BBLS/Hr Proces	sed:	#DIV/0!	Cumulative I	BBLS/Hr Proc	essed:	341 .8	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	1 401	Violicy	N/A	now been	N/A	N/A	N/A
Crew			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
				~			
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	5,566	5,566	
Mallana	BO 14	CKCON	Sodium Hydroxide	0	900	900	
Visitors:	BO JA	CKSON					
Visitors:							-
VISILUIS.					<u> </u>		
							
Wara thara any ahaar		nal legues angit	~?				
<mark>Were there any abno</mark> n NO	nai operauo	nai issues onsiti	E (
110							
Are there any addition	al supplies/	aulpment needs	ed? If so, what items and w	vhen?			
Are there any addition	al supplies/	equipment neede	ed? If so, what items and w	vhen?			
	al supplies/	equipment neede	ed? If so, what items and w	vhen?			
	al supplies/	equipment need	ed? If so, what items and w	vhen?			
NO			ed? If so, what items and w				
NO							and the second s
NO Have there been any c							
NO Have there been any o	hanges to ti	ne current sched	ule, including volumes nec		? The statement of the		
NO Have there been any o NO Has client provided ar	hanges to ti	ne current sched	ule, including volumes ned				
Have there been any o NO Has client provided ar Person:	hanges to ti	ne current sched	ule, including volumes nec		? The statement of the		
NO Have there been any o NO Has client provided ar	hanges to ti	ne current sched	ule, including volumes ned		? The statement of the	a de la companya de	
Have there been any o NO Has client provided ar Person:	changes to the	ne current sched	ule, including volumes ned		? The statement of the	a de la companya de	

Date:	7/0	/2012		Report	Number:		34
Date.		/2012			lumber:		8
Client:		сто			hift Onsite Time:	6:00	am/pm
Location:		sh 29		Si	hift Offsite Time:	6:00 PM 4	am/pm Total hrs.
Site Contact:		ackson Worley		Dragant /	Onsite Activities:		SS WATER
Sile Contact.	Paul	vvoney		r resont	Onsite Activities.	- MOOL	30 WATER
Processing Hrs T	oday:	4 hrs	Cumulativ	ve Processing	Hrs:	85	hrs
BBLS Processed T		1,650 bbls		e BBLS Proces		30,50	05 bbls
BBLS/Hr Process		412.5	Cumulative	BBLS/Hr Proc	essed:	358.9	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		POLLARD	0200		100	6.35	1.16
Crew		E WHITE	0400		100	6.65	0.57
	CHRIS	ONEAL	0500		100	6.9	0.78
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
-			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	150	5,566	5,416	
•			Sodium Hydroxide	130	900	770	YES
Visitors:	BO JA	CKSON					
Visitors:	BO	WELLS					
Visitors:							
Were there any abnorn	nal operatio	onal issues onsite	?	26.16			Alba Maria
NO							
Are there any additiona	al supplies	equipment needed	1? If so, what items and	when?			
NO.							
lave there been any c	hanges to t	he current schedu	le, including volumes ne	eded by client	2		
VO	langes to t	ne concin schedo	ie, meiading volumes ne	eded by chem	•		
					······································		
las client provided an	y operation	al feedback (posit	ive or negative)?	T.		71	
Person:			Company:			хто	
N/A							
Additional Comm	ents						
	Control of the Street Control of the	AM REVEIWED JS	A EMPLOYEES HAD SO	ME TROUBLE	WITH SOME VAL	LVES AND W	E WERE ON
			THE PHONE AND COUL				
			IXED AND STARTED PRO				
			MINOR ADJUSTMENTS				
N POISIDEN TANK AN	D WATER I	LOOKS GOOD IN T	'ANK WE WILL TREAT I	WITH BE-6 IN	HE MORNING J	USTASAPR	ECAUTION.

Date:	7/1	.0/2012		Report	Number:		35
		.57 2012			lumber:		8
Client:		хто		S	hift Onsite Time:	6:00	am/pm
Location:		ash 29			nift Offsite Time:	6:00 PM	am/pm
Site Contact:		Jackson		plister.		8	Total hrs.
Site Contact:	Pau	l Worley		Present (Onsite Activities:	PROCES	SS WATER
Processing Hrs T	odav:	8 hrs	Cumulativ	e Processing	Hrs:	93	hrs
BBLS Processed T		3,363 bbls		BBLS Proces		33,86	58 bbls
BBLS/Hr Process		420.375	Cumulative	BBLS/Hr Proce	essed:	364.2	bbl/hr
	David	I Marian	0	e flavor karali	Valte (Amore		T. William
Lead Supervisor: Lead Operator		l Worley POLLARD	Readings: 800	flow back	Volts/Amps 100	pH 7.1	Turbidity 1.34
Crew Crew		IE WHITE	1000		100	6.89	1.34
Crew-maga		S ONEAL	1200		100	6.65	0.98
	CHR	3 ONLAL	1400		100	6.65	1.35
 			0:00		N/A	N/A	N/A
 			0:00		N/A	N/A	N/A
			0.00		N/A	11/7	11/7
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	200	5,416	5,216	
			Sodium Hydroxide	185	770	585	YES
Visitors:							
Visitors:	BO '	WELLS					
1.0/(2/01			1 1				
Visitors:							
Visitors:		7 4 20 5 20 5 20 5 20 5		4-33			
Visitors:	nal operatio	onal issues onsite	? #	New Property Control	1 (a. 11 (a. 14)		
Visitors:	nal operatio	onal issues onsite	7 .85				
Visitors:	nal operatio	onal issues onsite	7 .85				7\4(s)
Visitors:	nal operatio	onal issues onsite	7 .85				
Visitors:				VIAN 2			
Visitors: Vere there any abnorm			od? If so, what items and v	vhen?			
Visitors:				vhen?			
Visitors: Vere there any abnorm				vhen?			
Visitors: Vere there any abnormation of the control of the contro	al supplies	/equipment neede	ed? If so, what items and v				A465 Q
Visitors: Vere there any abnormation of the control of the contro	al supplies	/equipment neede					A (5: - C
Visitors: Vere there any abnormation of the control of the contro	al supplies	/equipment neede	ed? If so, what items and v				A (5: - C
Visitors: Vere there any abnormation of the control of the contro	al supplies	/equipment neede	ed? If so, what items and v				
Visitors: Vere there any abnormation of the control of the contro	al supplies hanges to t	/equipment neede the current sched	ed? If so, what items and v		P alamer 1		
Visitors: Vere there any abnormation and the company additional and the company additional and the company additional and the company additional and the company additional and the company and the company additional additional additio	al supplies hanges to t	/equipment neede the current sched	ed? If so, what items and v	eded by client	P alamer 1	XTO	
re there any additions ave there been any cl	al supplies hanges to t	/equipment neede the current sched	ed? If so, what items and v ule, including volumes ne	eded by client	P alamer 1		
visitors: fere there any abnorm re there any additions ave there been any closes client provided any Person:	al supplies hanges to t	/equipment neede the current sched	ed? If so, what items and v ule, including volumes ne	eded by client	P alamer 1		
visitors: fere there any abnorm re there any additions ave there been any clo as client provided any Person: A Additional Comme	al supplies hanges to t y operation	/equipment neede the current sched nal feedback (posi	ed? If so, what items and vulle, including volumes new itive or negative)? Company:	eded by client	?	хто	
Visitors: Viere there any abnorm O The there any additions O The there are are any additions O The there are are are any additions O The there are are are are are are are a	al supplies. hanges to to the supplies of the	/equipment neede the current sched hal feedback (posi	ed? If so, what items and v ule, including volumes ne	eded by client	7:00 AM FILLED O	XTO	(S UP AND

Date:	7/11	/2012		Report	Number:		36
					lumber:		8
Client:	x	то	!	S	hift Onsite Time:	6:00	am/pm
Location:	Nas	sh 29		5	hift Offsite Time:	6:00 PM	am/pn
Site Contact:	Bo Ja	ackson			1914	4	Total hr
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs 1	odav:	4 hrs	Cumulativ	e Processing	Hrs:	97	hrs
BBLS Processed		1,980 bbls		BBLS Proces		35,84	8 bbls
BBLS/Hr Proces	sed:	495		BBLS/Hr Proc		369.6 bbl/hr	
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	pН	Turbidit
Lead Operator	ADAM F	POLLARD	800		100	6.85	1.67
Crew	CHRIS	ONEAL	1000		100	6.76	1.55
			1200		100	6.9	1.89
			1400		100	6.85	1.66
<u></u>			0:00		N/A	N/A	N/A
-			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	235	5,416	5,181	
			Sodium Hydroxide	205	3,800	3,595	
Visitors:		/FILL 0					
Visitors:	BO V	VELLS				***	
ere there any abnor	nal operatio	nal issues onsite	7	Paks,			
	al supplies/c	equipment neede	d? If so, what items and v	hen?			
e there any addition			All and a second				
0	hanges to th	e current schedu	ale, including volumes ne	eded by client	? Aff	S. grid San	5475 Hills 5
o ave there been any c				eded by client	? of		
ave there been any c				eded by client	? #	хто	

	7/12	/2012		Report	Number:		37
Date:	,,,12	, 2012			lumber:		8
						6.00	,
Client:		то			hift Onsite Time:	6:00	am/pm
Location:		sh 29			hift Offsite Time:	8:00 PM	am/pm
Site Contact:		ackson Worley		Present	Onsite Activities:	8 PROCES	Total hrs. SS WATER
Site Contact:	Faui	Woney		I Teacht	Onsite Activities.	TROOL	30 WATER
Processing Hrs T	oday:	8 hrs	Cumulativ	e Processing	Hrs:	105	hrs
BBLS Processed 1	foday:	3,362 bbls	Cumulativ	e BBLS Proces	ssed:	39,2:	10 bbls
BBLS/Hr Proces	sed:	420.25	Cumulative	BBLS/Hr Proc	essed:	373.4	bbl/hr
Lead Supervisor:	PAUL V	VORLEY	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	ADAM P	POLLARD	800		110	7.1	2.56
Crew	CHRIS	ONEAL	1000		110	7.43	1.89
	REGGIE	E WHITE	1200		110	6.67	0.98
			1400		110	6.63	1.45
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	355	5,181	4,826	
			Sodium Hydroxide	420	3,595	3,175	
Visitors:							
Visitors:	BO W	VELLS					
Visitors:			L				
					· · · · · · · · · · · · · · · · · · ·		
Vere there any abnorr	nal operatio	nal issues onsite	?				
Vere there any abnorr	nal operatio	nal issues onsite	Ŷ			KANS BER	
	nal operatio	nal issues onsite	7				s engals
NO			ed? If so, what items and v				
NO							
NO							
NO Are there any addition	al supplies/e	equipment neede		vhen?	or and the second of		
NO Are there any addition	al supplies/e	equipment neede	ed? If so, what items and v	vhen?	or and the second of		
are there any additional of the state of the	al supplies/e	equipment neede	ed? If so, what items and v	vhen?	or and the second of		
are there any additional of the state of the	al supplies/e hanges to th	equipment neede ne current sched	ed? If so, what items and v	vhen?	or and the second of		
are there any addition. NO	al supplies/e hanges to th	equipment neede ne current sched	ed? If so, what items and v	vhen?	or and the second of		
are there any addition. No No No No No No No No No N	al supplies/e hanges to th	equipment neede ne current sched	ed? If so, what items and very series and very	vhen?	or and the second of		
Are there any addition. NO	al supplies/e hanges to th y operations	equipment neede ne current sched	ed? If so, what items and very series and very	vhen?	or and the second of		
lave there been any color las client provided an Person:	al supplies/e hanges to th y operations	equipment neede ne current sched na feedback (posi	ed? If so, what items and very series and very	when? eded by client	?	XTO	

GET A BIGGER PUMP TO TRANSFER WATER. THE SINGLE PUMP ON XTO SIDE IS TOO SMALL TO KEEP UP WITH US.OTHER THAN

THE WAITING AND REPAIRS EVERYTHING ELSE WENT WELL AND WE MADE MINOR ADJUSTMENTS TO CHEMICALS.

					THE RESERVE THE PROPERTY OF THE PERSON OF TH	r	
Date:	7/13	3/2012			Number:		38
				Unit	Number:		8
Client:		то		2/4/ State C	hift Onsite Time:	2:00	am/pm
Location:		sh 29		and the second s	hift Offsite Time:	7:00 PM	am/pm
Site Contact:		ackson		49, 74	inic Onsite Time:	10	Total hrs.
Site Contact:		Worley		Present	Onsite Activities:		SS WATER
Processing Hrs 7		10 hrs		e Processing		107	hrs
BBLS Processed		4,704 bbls	Cumulative	BBLS Proce	ssed:		52 bbls
BBLS/Hr Proces	ised:	470.4	Cumulative	BBLS/Hr Proc	essed:	379.0	bbl/hr
Lead Supervisor:	PAUL \	WORLEY	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		POLLARD	800		110	7.21	0.76
Crew	CHRIS	ONEAL	1000		110	6.87	0.87
	REGGI	E WHITE	1200		110	6.95	1.24
			1400		110	6.34	2.34
			0:00		N/A	N/A	N/A
_			0:00		N/A	N/A	N/A
			6			- 11	0.04
—			Chemical	Usage	Start Inv.	End Inv.	On Order
L			HcL Acid Sodium Hydroxide	345 380	5,181 3,595	4,836 3,215	
				300	3,333	3,213	
Visitore:		1	oddiani i i yar oniac				
Visitors:			- Souran Hydroxide				
Visitors:			Sodium Try drontae				
	444		- Sourann nyaroniac				
Visitors:	***		- Courter Type Ontac				
Visitors:	mal operatio	onal issues onsite					\$2.5
Visitors:	mal operatio	onal issues onsite			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Visitors: Visitors: Were there any abnorm	mal operatio	onal issues onsite					
Visitors: Visitors: Were there any abnorr							
Visitors: Visitors: Were there any abnorm NO Are there any addition				vhen?		345. AND	
Visitors: Visitors: Were there any abnorr				vhen?		May May May	
Visitors: Visitors: Were there any abnorm NO Are there any addition				vhen?			
Were there any abnorm NO Are there any addition	nal supplies/	equipment neede	d? If so, what items and v		To the second se		
Were there any abnormal NO Are there any addition NO Have there been any c	nal supplies/	equipment neede			Table 1		
Were there any abnorm NO Are there any addition	nal supplies/	equipment neede	d? If so, what items and v		Table 1	Sa. Assess	
Were there any abnormal NO Are there any addition NO Have there been any c	nal supplies/	equipment neede	d? If so, what items and v		Table 1		
Were there any abnormal NO Are there any addition NO Have there been any c	nal supplies/	equipment neede he current sched	d? If so, what items and v		Table 1	34. The	
Were there any abnormal NO Are there any addition NO Have there been any control NO	nal supplies/	equipment neede he current sched	d? If so, what items and v		Table 1	XTO	
Visitors: Visitors: Were there any abnorm NO Are there any addition NO Have there been any control NO Have there been any control NO Has client provided an	nal supplies/	equipment neede he current sched	d? If so, what items and vule, including volumes new		Table 1	XTO	
Visitors: Visitors: Were there any abnormal NO Are there any addition NO Have there been any control NO Have there been any control NO Has client provided an Person:	nal supplies/	equipment neede he current sched	d? If so, what items and vule, including volumes new		Table 1	XTO	

Date:	7/14	1/2012		Repor	t Number:		39
					Number:		8
Client:	<u> </u>	то			Shift Onsite Time:	5:00	am/pm
Location:	Na	sh 29		S S	Shift Offsite Time:	7:00 PM	am/pm
Site Contact:	Bo J	ackson				10	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
Processing Hrs	Today:	10 hrs		re Processing		117	hrs
BBLS Processed	d Today:	4,321 bbls	C-20-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	BBLS Proce			43 bbls
BBLS/Hr Proce	essed:	432.1	Cumulative	BBLS/Hr Proc	essed:	383.3	bbl/hr
Lead Supervisor:	PAUL	WORLEY	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		POLLARD	800		100	7.24	0.89
Crew		ONEAL	1000		100	6.98	1.31
		E WHITE	1200		100	6.54	1.87
T T			1400		100	6.88	1.63
F			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
L			HcL Acid	380	5,181	4,801	
	1.455	(O):EA:	Sodium Hydroxide	410	3,595	3,185	
Visitors:	LARR	ONEAL					
Visitors:					-		
Yisitois.			L				<u> </u>
Were there any abno	ormal operation	nal issues onsite	?				35
NO	AAAAA Jarah Madalah Ma						
Are there any addition	onal supplies/	equipment neede	d? If so, what items and v	when?		a de la companya de	
NO							
Have there been any NO	changes to t	he current schedu	ule, including volumes ne	eded by clien	17	50.	
NO							
					<u> </u>		
Has client provided	any operation	al feedback (posi	tive or negative)?		14	- 22	
Person:	track of the state		Company:			хто	<u> </u>
N/A							
Additional Com	ments						
ARRIVED ON LOCAT	TION AT 5:00		ASTARTED PROCESSIN				
			EAN TANKS TO PIT TANI	K EVERYTH	IING ELSE WENT	WELL WITH	MINOR
ADJUSTMENTS TO	CHEMICALS						

Appendix B Table B-2

Date:	7/1	5/2012		Report	Number:		10
					lumber:		8
Client:		то	[S	nift Onsite Time:	6:00	am/pm
Location:	Na	sh 29		SI	nift Offsite Time:	6:00 PM	am/pm
Site Contact:	Во	ackson	Ì			9	Total hr
Site Contact:	Paul	Worley		Present (Onsite Activities:	PROCES	S WATER
Processing Hrs T	odav:	9 hrs	Cumulativ	e Processing	Hrs:	126	hrs
BBLS Processed T		4,273 bbls		BBLS Proces		49,11	6 bbls
BBLS/Hr Process		474.7777778	Cumulative BBLS/Hr Processed:			389.8	bbl/hr
Lead Supervisor:	PAUL	WORLEY	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	ADAM	POLLARD	800		100	6.75	1.65
Crew	·	SONEAL	1000		100	6.56	1.97
	REGG	E WHITE	1200		100	6.87	1.88
			1400		100	6.93	1.53
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	320	4,801	4,481	On Olac
L			Sodium Hydroxide	385	3,185	2,800	
Visitors:	LARR	Y ONEAL			-/		
Visitors:							
Visitors:					***************************************		
ere there any abnorn	nal operation	onal issues onsite	?	AND THE PARTY OF T			
0							
0	al supplies	equipment neede	d? If so, what items and v	vhen?		12000	The state of the s
e there any additional			d? If so, what items and v				
e there any additiona							
e there any additional ave there been any cl	nanges to t	he current schedu	ile, including volumes ned				
e there any additional ave there been any cl	nanges to t	he current schedu	ile, including volumes ne			XTO	
e there any additional ave there been any cl	nanges to t	he current schedu	ile, including volumes ned				
e there any additional ave there been any closes client provided an Person: A Additional Comm	nanges to t y operation	he current schedu al feedback (posif	ile, including volumes ned	eded by client		XTO	

Date:						
Vate.	7/16/2012]		Number:		41
			Unit N	lumber:		8
Client:	хто	1	S	hift Onsite Time:	6:00	am/pm
Location:	Nash 29	1	S	hift Offsite Time:	4:00 PM	am/pm
Site Contact:	Bo Jackson	1			7	Total hrs.
Site Contact:	Paul Worley]	Present	Onsite Activities:	PROCES	S WATER
Processing Hrs T			e Processing		133	hrs
BBLS Processed			BBLS Proces			8 bbls
BBLS/Hr Proces	ssed: 550.2857143	Cumulative	BBLS/Hr Proc	essed:	398.3	bbl/hr
Lead Supervisor:	PAUL WORLEY	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	CHRIS ONEAL	800	now buck	100	6.35	0.87
Crew	REGGIE WHITE	1000		100	6.43	1,23
J. L.	REGGIE WHITE	1200		100	7.12	2.1
		1400		100	6.97	1.87
		0:00		N/A	N/A	N/A
		0:00		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	260	4,481	4,221	
		Sodium Hydroxide	285	2,800	2,515	
Visitors:	LARRY ONEAL					
Visitors:						
Visitors:						
A.A.M.A	mal operational issues onsit	e?	<u> </u>	159	34. 4	
NO						
	at a universal and a universal	ad2 If so, what items and w	whan?			
Are there any addition	nal supplies/equipment need	ed? If so, what items and v	vhen?		25-2	
Are there any addition	al supplies/equipment need	ed? If so, what items and v	vhen?	řik, i z k		
Are there any addition	al supplies/equipment need	ed? If so, what items and v	vhen?			
Are there any addition						
Are there any addition NO Have there been any c	nal supplies/equipment need changes to the current sched					
Are there any addition NO Have there been any c						
Are there any addition NO Have there been any c		dule, including volumes ne				
Are there any addition NO Have there been any c	changes to the current sched	dule, including volumes ne			XTO	
Are there any addition NO Have there been any c NO Has client provided ar Person:	changes to the current sched	dule, including volumes ne				
Are there any addition NO Have there been any conormal to the	changes to the current sched	dule, including volumes ne				
Are there any addition NO Have there been any c NO Has client provided ar Person: N/A Additional Comm	changes to the current sched	dule, including volumes ne sitive or negative)? Company:	eded by client		хто	TANKS AND

Date:	7/1	7/2012		Repor	t Number:		42
					Number:		8
Client:		хто Т			Shift Onsite Time:	6:00	am/pi
Location:		ash 29			hift Offsite Time:	2:00 PM	am/p
Site Contact:		Jackson			III Case	6	Total h
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs T	oday:	6 hrs	Cumulativ	e Processing	Hrs:	139	hrs
BBLS Processed	Today:	2,352 bbls	Cumulative	e BBLS Proce	ssed:	55,32	0 bbls
BBLS/Hr Proces	sed:	392	Cumulative	BBLS/Hr Proc	essed:	398.0	bbl/hr
Lead Supervisor:	PAUL	WORLEY	Readings:	flow back	Volts/Amps	рН	Turbid
Lead Operator	CHRIS	S ONEAL	800		100	6.75	1.32
Crew	REGG	IE WHITE	1000		100	7.12	1.45
			1200		100	6.88	0.98
			N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
-			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	205	4,221	4,016	
			Sodium Hydroxide	180	2,515	2,335	
		Y ONEAL	1				
Visitors:							
Visitors:	JAMIE	HARRIS					
25 Ph. 14 - 14 Children 200 Chi	JAMIE						
Visitors: Visitors:	JAMIE STEVE	HARRIS N TIPDEN	7	5] AS W		and the second s	
Visitors: Visitors: Visitors: Viere there any abnorr	JAMIE STEVE mal operatio	HARRIS N TIPDEN onal issues onsite	d? If so, what items and v				
Visitors: Visitors: Visitors: Viere there any abnorro	JAMIE STEVE mal operatio	HARRIS N TIPDEN onal issues onsite					
Visitors: Visitors: Visitors: Vere there any abnorro The there any addition ave there been any c	JAMIE STEVE mal operation	HARRIS N TIPDEN onal issues onsite		when?	The second secon		
Visitors: Visito	JAMIE STEVE mal operation	HARRIS N TIPDEN onal issues onsite	d? If so, what items and v	when?	The second secon		
Visitors: Visitors: Visitors: ere there any abnorro e there any addition ave there been any c	JAMIE STEVE mal operation al supplies hanges to t	HARRIS N TIPDEN onal issues onsite equipment neede	d? If so, what items and v ule, including volumes ne	when?	The second secon		
Visitors: Visitors: Visitors: ere there any abnorro e there any addition ave there been any c	JAMIE STEVE mal operation al supplies hanges to t	HARRIS N TIPDEN onal issues onsite equipment neede	d? If so, what items and v ule, including volumes ne	when? eded by client	The second secon	XTO	
Visitors: Visitors: ere there any abnorred there any addition to the there any addition to the there been any controls are there are the controls are the control are the	JAMIE STEVE mal operation al supplies hanges to t	HARRIS N TIPDEN onal issues onsite equipment neede	d? If so, what items and v ule, including volumes ne tive or negative)?	when? eded by client	The second secon	XTO	
Visitors: Visitors: Visitors: ere there any abnorr e there any addition eve there been any c so client provided an Person:	JAMIE STEVE mal operation al supplies hanges to t	HARRIS N TIPDEN onal issues onsite equipment neede	d? If so, what items and v ule, including volumes ne tive or negative)?	when? eded by client	The second secon	хто	

Date:	7/18	/2012]	Report	Number:		43
	., 20	, 2012	•		lumber:		8
Client:	Х	то			hift Onsite Time:	6:00	am/pm
Location:	Nas	sh 29		S	hift Offsite Time:	6:00 PM	am/pm
Site Contact:		ackson		<u> </u>		0	Total hrs.
Site Contact:		Worley		Present	Onsite Activities:	PROCES	S WATER
STAND BY		0 hrs		e Processing	Hrs:	139	hrs
BBLS Processed To		0 bbls		BBLS Proces			0 bbls
BBLS/Hr Process		#DIV/0!		BBLS/Hr Proc	-		bbl/hr
Lead Supervisor:	PAUL V	VORLEY	Readings:	flow back	Volts/Amps	ρΗ	Turbidity
Lead Operator		***************************************	800		N/A	N/A	N/A
Crew			1000		N/A	N/A	N/A
			1200		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	4,016	4,016	
			Sodium Hydroxide	0	2,335	2,335	
Visitors:							
Visitors;		-					
Visitors:							
Were there any abnorm	al operatio	nal issues onsit	e?				
NO							
	l supplies/	equipment need	ed? If so, what items and v	/hen?			
982.59							
Are there any additiona NO							
NO	anges to th	ne current sched	lule, including volumes ne	eded by client	?		
NO	anges to ti	ne current sched	lule, including volumes ne	eded by client	Corange Sec	grad and good and	
NO Have there been any ch						gy stante. T	
Have there been any ch			itive or negative)?	eded by client		in the state of th	
NO Have there been any ch						XTO	

Date:	7/19	9/2012	I	Report	Number:	4	14
			l		umber:		8
			,				
Client:)	кто		19 190.7.	nift Onsite Time:	16:00	am/pm
Location:	Na Na	sh 29		SI	ift Offsite Time:	9:00 PM	am/pm
Site Contact:	Bo J	ackson				3	Total hrs
Site Contact:	Paul	Worley	l	Present (Onsite Activities:	PROCES	S WATER
Processing Hrs	Today:	3 hrs	Cumulativ	e Processing	drs:	142	hrs
BBLS Processed		1,141 bbls		BBLS Proces		56,46	1 bbls
BBLS/Hr Proce		380.3333333	Cumulative I	BLS/Hr Proce	ssed:	397.6	bbl/hr
Lead Supervisor:	PAUL	WORLEY	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		PERRY	800		100	7.2	2.34
Crew			1000		N/A	N/A	N/A
			1200		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
<u> </u>			Chemical	Usage	Start Inv.	End Inv.	On Orde
r			HcL Acid	145	4,016	3,871	
<u> </u>			Sodium Hydroxide	120	2,335	2,215	
Visitors:							
Visitors:							
Visitors:					<u></u>		
ere there any abnor	rmal operation	onal issues onsite	?			N. (*35.)	74
ere there any abnor O re there any addition			? d? If so, what items and w				1940. <u> </u>
ere there any abnor							And And And And And And And And And And
re there any addition	nal supplies	equipment needed		/hen?	A S		
ere there any abnor re there any addition	nal supplies	equipment needed	1? If so, what items and w	/hen?	A S	The Table	No.
fere there any abnor re there any addition ave there been any	nal supplies	lequipment needed	d? If so, what items and w	/hen?	A S	The Table	No.
ere there any abnor re there any addition	nal supplies	lequipment needed	d? If so, what items and w	/hen?	A S	XTO	
re there any addition ave there been any as client provided a Person:	nal supplies, changes to t	lequipment needed	d? If so, what items and will also well and will be including volumes need the or negative)?	/hen?	A S	24, 24	

Date:	7/20	0/2012		Renor	t Number:		45
Date.	1/20	72012		CONTRACTOR DESCRIPTION	Number:		8
Client:	>	TO			Shift Onsite Time:	9:00	am/pm
Location:	Na	sh 29		\$	Shift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo J	ackson			Est on Pa	7	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
	8.75	7 1 1	School-H		u	140	hec
Processing Hrs To		7 hrs		re Processing e BBLS Proce		149	hrs 7 bbls
BBLS Processed T		2,136 bbls		BBLS/Hr Proc			bbi/hr
BBLS/Hr Process	iea:	305.1428571	Cumulauve	BBLS/AT PIOC	esseu.	393.3	DDI/INI
Lead Supervisor:	PAUL	WORLEY	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator		PERRY	1200		100	6.82	1.43
Crew			1400		100	6.66	1.65
			1600		100	6.54	N/A
			N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
				TOTAL TOTAL SERVICE			
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	220	3,871	3,651	
			Sodium Hydroxide	180	2,215	2,035	
Visitors:							
Visitors:							
Visitors:							
Were there any abnorm	nal operation	nal issues onsite	e de la companya de l	77)	-2334		
NO							
Ara thara any additions	l eunnilee/	equinment needer	1? If so, what items and v	when?			- 75
NO	n auppness	equipment needed	i, ii so, miat kenis aliu i	water i	(1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986) - 1986	955 d	**************************************
	nanges to t	ne current schedu	le, including volumes ne	eded by clien	17		
NO							
Has client provided an	y operation	al feedback (posit					1000
Person:			Company:		L	XTO	
N/A							
Additional Commo	ents T						
		WATER TO GET 1	TANKS LOW ENOUGH TO	SWAP OUT	SOME VALVES TH	AT LEAKV	VE ARRIVED
ON LOCATION AROUN	D 6 AM ANI	GOT TANKS DO	WN SO THEY WOULD NO ALLED BO JACKSON TO	OT OVER FLO	W ANYMORE. EV	ERYTHING W	/ENT
OIL.HE SAID FOR US T	O STOP TH	IERE.					

Date:	7/21	/2012	1	Report	Number:		46
Committee - March Committee		· · · · · · · · · · · · · · · · · · ·			umber:		8
Client:		го	ı	CI	nift Onsite Time:	9:00	am/pm
Location:		h 29			ift Offsite Time:	5:00 PM	am/pm
Site Contact:		ickson		Si	ilit Offsite Time.	0	Total hrs.
Site Contact:		Vorley	1	Present (Onsite Activities:		S WATER
STAND BY	raui	voney	· ·	, resents	Shelle Adik lices.	1110020	
Processing Hrs T	oday:	0 hrs	Cumulativ	e Processing	Hrs:	149	hrs
BBLS Processed		0 bbls		BBLS Proces		58,59	7 bbls
BBLS/Hr Proces	sed:	#DIV/0!		BBLS/Hr Proce		393.3	bbl/hr
Lead Supervisor:	PAUL V	VORLEY	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator			1200		N/A	N/A	N/A
Crew			1400		N/A	N/A	N/A
			1600		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
-			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	3,651	3,651	
			Sodium Hydroxide	0	2,035	2,035	
Visitors:							
Visitors:							
Vere there any abnor	mal operatio	nal issues onsite	3				
NO							
re there any addition	al supplies/e	quipment neede	ed? If so, what items and w	vhen?	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
10							
	nanges to th	e current sched	ule, including volumes ne	eded by client			
lave there been any c	y operationa	il feedback (pos	itive or negative)?				
10	y operationa	ıl feedback (pos	Itive or negative)? Company:		a# (* 24*)	хто	
io	y operationa	il feedback (pos			A STATE	хто	316

Date:	7/2	2/2012	1	Report	Number:		47
	-,-		ı		lumber:		8
Client:)	кто		S	hift Onsite Time:	9:00	am/pm
Location:	Na	ish 29		S	nift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo J	ackson		100		0	Total hrs.
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	SS WATER
STAND BY	/						
Processing Hrs		0 hrs	Cumulativ	e Processing	Hrs:	149	hrs
BBLS Processed	d Today:	0 bbls		e BBLS Proce		58,59	7 bbls
BBLS/Hr Proce	essed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	393.3	bbl/hr
land Filmanilana	DALII	MODI EV	Pondings:	flaw back	Valta (Amora		Troublide.
Lead Supervisor:	PAUL	WORLEY	Readings:	flow back	Volts/Amps	pH N/A	Turbidity
Lead Operator Crew			1200 1400		N/A N/A	N/A N/A	N/A N/A
LieW			1600		N/A N/A	N/A N/A	N/A
<u> </u>			N/A		N/A	N/A	N/A
, <u>-</u>			0:00		N/A	N/A	N/A
, -			0:00		N/A	N/A	N/A
			0.00		N/A	N/A	IN/A
-	-		Chemical	Usage	Start Inv.	End Inv.	On Order
ļ -			HcL Acid	0	3,651	3,651	On Order
L			Sodium Hydroxide	0	2,035	2,035	
Visitors:							
Visitors;							

Visitors;		***					
Visitors; Visitors:	ormal operatio	onal issues onsit	6				
Visitors: Visitors: Were there any abno	ormal operatio	onal issues onsit				- 57 - 5821 - 584	
Visitors; Visitors:	ormal operatio	onal issues onsit			g		. 152
Visitors: Visitors: Were there any abno	ormal operatio	onal issues onsit					
Visitors: Visitors: Were there any abno	ormal operatio	onal issues onsit					
Visitors: Visitors: Were there any abno							
Visitors: Visitors: Were there any abno			e? ed? If so, what items and v	vhen?			
Visitors: Visitors: Were there any abno				vhen?			
Visitors: Visitors: Were there any abno				vhen?			
Visitors: Visitors: Were there any abno	onal supplies/	equipment needs	ed? If so, what items and v		11506-15-5		
Visitors: Visitors: Were there any abno	onal supplies/	equipment needs			11506-15-5		
Visitors: Visitors: Were there any abno	onal supplies/	equipment needs	ed? If so, what items and v		11506-15-5		
Visitors: Visitors: Were there any abno	onal supplies/	equipment needs	ed? If so, what items and v		11506-15-5		
Visitors: Visitors: Were there any abno	onal supplies/ changes to t	equipment needs he current sched	ed? If so, what items and v		11506-15-5		
Visitors: Visitors: Were there any abnowno NO Are there any addition NO Have there been any NO Has client provided a	onal supplies/ changes to t	equipment needs he current sched	ed? If so, what items and y lule, including volumes ne litive or negative)?		11506-15-5		
Visitors: Visitors: Were there any abnowno NO Are there any addition NO Have there been any NO Has client provided a Person:	onal supplies/ changes to t	equipment needs he current sched	ed? If so, what items and v		11506-15-5		
Visitors: Visitors: Were there any abnowno NO Are there any addition NO Have there been any NO Has client provided a	onal supplies/ changes to t	equipment needs he current sched	ed? If so, what items and y lule, including volumes ne litive or negative)?		11506-15-5		
Visitors: Visitors: Were there any abnowno NO Are there any addition NO Have there been any NO Has client provided a Person: N/A	onal supplies/ changes to t any operation	equipment needs he current sched	ed? If so, what items and y lule, including volumes ne litive or negative)?		11506-15-5		
Visitors: Visitors: Were there any abnowno NO Are there any addition NO Have there been any NO Has client provided a Person:	changes to t	equipment needs he current sched	ed? If so, what items and y lule, including volumes ne litive or negative)?		1150a (s. 200 a) (s. 160)		

Date:	7/23	/2012		Report	Number:		48
	· · · · · · · · · · · · · · · · · · ·			Unit N	lumber:		8
Client:					hift Onsite Time:	9:00	
		TO					am/pr
Location:		sh 29		SI	nift Offsite Time:	5:00 PM 0	am/pr Total h
Site Contact:		ackson Worley		Procent (Onsite Activities:		S WATER
STAND BY	Paur	vvoney	İ	Flesenic	Drisite Activities.	PROCES	SWATER
Processing Hrs To	day:	0 hrs	Cumulativ	e Processing	Hrs:	149	hrs
BBLS Processed To		0 bbls	A. A. C. C. C. C. C. C. C. C. C. C. C. C. C.	BBLS Proces			7 bbls
BBLS/Hr Process		#DIV/0!		BLS/Hr Proce			bbl/hr
Lead Supervisor:	PAUL V	VORLEY	Readings:	flow back	Volts/Amps	рН	Turbidi
Lead Operator			1200		N/A	N/A	N/A
Crew			1400		N/A	N/A	N/A
		***************************************	1600	1	N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	0	3,651	3,651	
<u> </u>			Sodium Hydroxide	0	2,035	2,035	
Visitors:	***************************************						
Visitors:							
Visitors:							***************************************
		nal issues onsite	7	134	100	JA 11111 32	1,77
ere there any abnorma O e there any additional			ed? If so, what items and v	then?			
e there any additional	supplies/e anges to th	equipment neede	ule, including volumes ne				
e there any additional ave there been any cha	supplies/e anges to th	equipment neede	ule, including volumes ne			Sac.	
e there any additional ave there been any change of the control o	supplies/e anges to th	equipment neede	ule, including volumes ne			Sac.	

Date:	7/24	4/2012		Report	Number:		49
200000000000000000000000000000000000000			'		lumber:		8
				Calling of Calling of			
Client;	×	(TO		S	hift Onsite Time:	9:00	am/pm
Location:	Na	sh 29		SI	hift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo J	ackson				0	Total hrs.
Site Contact:	Paul	Worley		Present 6	Onsite Activities:	PROCE	SS WATER
STAND BY							
Processing Hrs To	day:	0 hrs	Cumulativ	re Processing	Hrs:	149	hrs
BBLS Processed To	day;	0 bbls	Cumulative	e BBLS Proces	sed:	58,59	97 bbls
BBLS/Hr Processe		#DIV/0!	Cumulative	BBLS/Hr Proce	essed:	393.3	3 bbl/hr
	DALE	MODI EV	D Ji	flow back	Volts/Amps	рН	Turbidity
Lead Supervisor:	PAUL	WORLEY	Readings:	HOW DACK	N/A	N/A	N/A
Lead Operator			1400		N/A N/A	N/A N/A	N/A
Crew			1600		N/A N/A	N/A N/A	N/A
						-	N/A
			N/A 0:00		N/A	N/A N/A	N/A
			0:00		N/A N/A	N/A N/A	N/A N/A
<u> </u>			0:00	L	N/A	N/A	I IN/A
ļ			Chaminal	Heada	Start Inv.	End Inv.	On Order
-			Chemical	Usage	3,651	3,651	Official
<u> </u>			HcL Acid Sodium Hydroxide	0		2,035	
VI-14			Socium nydroxide	· · · · · · · · · · · · · · · · · · ·	2,035	2,033	
Visitors:							+
							
Visitors:							
			•				
Were there any abnorma	al operatio	nal issues onsite	27				2.27
NU							
Are there you additional	evention/	adulament needs	ad2 If ea, what itame and i	uhan?			
NO	suppliesi	ednihuieur ueene	ed? If so, what items and v	WINCH!!			
NO							
		ha aurrant aahad	lule, including volumes ne	adad by client	•		
NO	miges io ii	ie current sched	ure, microuning forumes ne	eded by chefft			
140							
Has client provided any	operation	al feedback (nos	itive or negative)?			ence and	
Person:	operation	ai recuback (pos	Company:	T-FILE.		хто	
N/A			- Julipany			XIO	
Additional Comme	nts						
STAND BY WAITING ON							

Date:	7/25	/2012	[Report	Number:		50
	7,20				lumber:		8
Client:	V-	то	ſ	og varen	hift Onsite Time:	9:00	am/pm
Location:		h 29			hift Offsite Time:	5:00 PM	am/pm
Site Contact:		ickson		The The	int Offsite filme.	0	Total hrs
Site Contact:		Vorley		Present	Onsite Activities:		S WATER
STAND BY		, , , , , , , , , , , , , , , , , , , ,	•				
Processing Hrs		0 hrs	Cumulativ	e Processing	Hrs:	149	hrs
BBLS Processed		0 bbls	Cumulative	BBLS Proces	ssed:	58,59	7 bbls
BBLS/Hr Proces	ssed:	#DIV/0!	Cumulative I	BBLS/Hr Proc	essed:	393.3	bbl/hr
Lead Supervisor:	PAUL V	VORLEY	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator			1200		N/A	N/A	N/A
Crew			1400		N/A	N/A	N/A
			1600		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
 			0:00		N/A	N/A	N/A
-			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	3,651	3,651	
A 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Sodium Hydroxide	0	2,035	2,035	
Visitors:							
Visitors:							
	mal operatio	nal issues onsite	.		4 4 8		
0	nal supplies/e	equipment neede	ed? If so, what items and w	vhen?	Share San San	MERCE STATE	
re there any addition			ed? If so, what items and w		?	Alban Talla	
re there any addition O ave there been any o	changes to th	e current sched	ule, including volumes ne	eded by client			
re there any addition O ave there been any o	changes to th	e current sched	ule, including volumes ne	eded by client	**************************************	XTO	
re there any addition O ave there been any o O as client provided a	changes to th	e current sched	ule, including volumes ned	eded by client			

Date:	7/26	/2012		Report	Number:		51
	.,				Number:		8
Client:	X	го		S	hift Onsite Time:	9:00	am/pm
Location:	Nas	h 29		S	hift Offsite Time:	5:00 PM	am/pm
Site Contact:	Bo Ja	ickson				0	Total hrs.
Site Contact:	Paul \	Vorley		Present	Onsite Activities:	PROCES	SS WATER
STAND BY							
Processing Hrs 7	oday:	0 hrs	Cumulativ	re Processing	Hrs:	149	hrs
BBLS Processed	Today:	0 bbls	Cumulativ	e BBLS Proce	ssed:	58,59	97 bbls
BBLS/Hr Proces	sed:	#DIV/0!	Cumulative	BBLS/Hr Proc	essed:	393,3	bbl/hr
land Conservation and	DALII M	VODI EV	Pandings	flow back	Volts/Amps	рН	Turbidity
Lead Supervisor: Lead Operator	PAUL	VORLEY	Readings: 1200	HOW DACK	VOILS/AMIPS N/A	N/A	N/A
Crew			1400		N/A	N/A	N/A
SIEW.	· ···		1600		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
—			0:00		N/A	N/A	N/A
 	***		0:00		N/A	N/A	N/A
			0.00	L	,,,,,	14//-	1 11,7.1
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	3,651	3,651	
_			Sodium Hydroxide	0	2,035	2,035	
Visitors:					,		
Visitors:				-			
Visitors:	·-····						
Were there any abnor	mal operation	nal issues onsite	?				
NO	•						
Are there any addition	al sunniles/e	auinment needed	d? If so, what items and	when?			
NO	iai supplicare	quipment necue	a. II do, Milacilellia and	TILLII.		•	
							
Have there been any o	hanges to th	e current schedu	ile, including volumes ne	eded by client	7		
NO	nonges to th		,		•		
Has client provided ar	v operations	l feedback (nosit	tive or negative)?				
Person:	., operations		Company:			хто	
N/A				ke da sa sa sa sa sa sa sa sa sa sa sa sa sa	I	Λ10	,,,,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Additional Comm	ients						
STAND BY WAITING C						<u> </u>	

Date:	8/1	/2012		Report	Number:		52
	3, 2,		•		Number:		8
Client:	X	то		S	hift Onsite Time:	11:00	am/pn
Location:	Nas	sh 29		5	hift Offsite Time:	4:00 PM	am/pn
Site Contact:	Bo Ja	nckson			Delegation of the second	0	Total hr
Site Contact:	Jason	Distall		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs T	odav:	0 hrs	Cumulativ	re Processing	Hrs.	149	hrs
BBLS Processed 7		0 bbls		BBLS Proces			7 bbls
BBLS/Hr Proces		#DIV/0!		BBLS/Hr Proc		393.3 bbl/hr	
Lead Supervisor:	lacan	Distall	Readings:	flow back	Volts/Amps	pH	Turbidi
Lead Operator	- Ja301	- Otan	1200	HOW DOCK	N/A	N/A	N/A
Crew	Eddie M	1cGruder	1400		N/A	N/A	N/A
THOUSE AND ADDRESS OF THE PARTY		y Dean	1600		N/A	N/A	N/A
		Lee	N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
<u> </u>			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	0	3,651	3,651	
<u> </u>			Sodium Hydroxide	67	2,035	1,968	
Visitors:							
Visitors:							
Visitors:							
ere there any abnorn	al operatio	nal iceuse oneit	•2				3864 - 195 c
e there any addition	ıl supplies/e	quipment need	ed? If so, what items and v	vhen?		14, 14	
ve there been any c	nanges to th	e current sched	lule, including volumes ne	eded by client	?	X E	138 34
s client provided an	y operationa	ıl feedback (pos		No.	, K	10125 3367 7 336	
Person:			Company:			хто	

Date:	8/2	2/2012		Report	Number:		53
		<u> </u>			Number:		8
							•
Client;		кто			hift Onsite Time:	5:30	am/pm
Location:		ısh 29		Si	hift Offsite Time:	4:00 PM	am/pm
Site Contact:		Jackson			0 2 4 5 5	10.5	Total hrs.
Site Contact:	Jaso	n Distall		Present	Onsite Activities:	PROCES	SS WATER
Processing Hrs T	oday:	3 hrs	Cumulativ	ve Processing	Hrs:	152	hrs
BBLS Processed		1,392 bbls	Cumulativ	e BBLS Proces	ssed:	59,98	39 bbls
BBLS/Hr Proces	sed:	464	Cumulative	BBLS/Hr Proc	essed:	394.7	bbl/hr
Lead Supervisor:	Jasor	n Distall	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator			1200		20v 100a	7.05	3.32
Crew	Eddie I	McGruder	1400		N/A	N/A	N/A
	Samr	my Dean	1600		20v 100a	7.03	3.27
	Ra	ıy Lee	N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
-			Chemical	Usage	Start Inv.	End Inv.	On Order
	,		HcL Acid	143	3,651	3,508	
			Sodium Hydroxide	117	1,968	1,851	
Visitors:							
Visitors:							
Visitors:							
Were there any abnorr							
es, the power source v	was fluctuatii	ng, the lost power.					
re there any addition	al supplies/	equipment neede	d? If so, what items and v	when?			
10	• • • • • • • • • • • • • • • • • • • •		•				
					X		
	hanges to t	he current schedi	ule, including volumes ne	eded by client	?		
lave there been any c							
lave there been any c NO							
10		at en allende familie	Him are a small trains				
NO Has client provided an	ıy operation	al feedback (posi				VIO	
las client provided an	ıy operation	al feedback (posi	itive or negative)? Company:			хто	
NO Has client provided an	y operation	al feedback (posi				хто	

Date:	8/3/20	12		Report	Number:		54
	-,-,-		ľ		lumber:		8
Client:	хто	,	ſ	S	hift Onsite Time:	5:30	am/pm
Location:	Nash 2				hift Offsite Time:	4:00 PM	am/pm
Site Contact:	Bo Jack				N. 2274	10.5	Total hrs
Site Contact:	Chad Edv			Present	Onsite Activities:		S WATER
Processing Hrs T	oday:	6 hrs	Cumulativ	e Processing	Hrs:	158	hrs
BBLS Processed T	oday: 3	3,351 bbls		BBLS Proces		63,34	10 bbls
BBLS/Hr Process	sed:	558.5	Cumulative (BLS/Hr Proc	essed:	400.9	bbl/hr
Lead Supervisor:	Chad Edw	vards	Readings:	flow back	Volts/Amps	pН	Turbidit
Lead Operator	Jason Di	stall	1200		20v 100a	6.99	3.29
Crew	Eddie McG	∃ruder	1400		N/A	N/A	N/A
	Sammy D)ean	1500		20v 100a	7.03	3.18
	Ray Le	∌e	N/A		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			0:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	345	3,508	3,163	
			Sodium Hydroxide	361	1,851	1,490	
Visitors:	Bo Jacks	son					
Visitors:							
Visitors:							
/ere there any abnorm o	ial operational	issues onsite	?	- 19 <u>. 19</u> 0			
re there any additiona	l supplies/eau	ipment neede	d? If so, what items and w	hen?		-15/	N
			a. n. coj miacikomo alia k				
es, supply list will be co							
	·						
	_	· · · · · · · · · · · · · · · · · · ·					
es, supply list will be co	anges to the c	urrent schedu	ule. including volumes nee	ded by client	9		
es, supply list will be co			ule, including volumes nee		7		
es, supply list will be co			ule, including volumes nee		?		
es, supply list will be co							
es, supply list will be co	imately 2,000 b	bls/day incomi	ng produced water do to po		?		
es, supply list will be co	imately 2,000 b	bls/day incomi	ng produced water do to po			хто	
es, supply list will be co ave there been any cl e are limited to approx as client provided any	imately 2,000 b	bls/day incomi	ng produced water do to po		?	хто	
ave there been any cle are limited to approx as client provided any Person:	imately 2,000 b	bls/day incomi	ng produced water do to po		?	XTO	
ave there been any cle are limited to approx as client provided any Person: Additional Comme	imately 2,000 b y operational fe	obls/day incomi	ng produced water do to po	wer outages.			ater quality

Date:	9/	4/2012		Renort	: Number:		55
Date.	0/	4/2012			Yumber:		8
Glient:		хто		S S	hift Onsite Time:	2:30	am/pm
Location:	N	ash 29		S	hift Offsite Time:	2:00 PM	am/pm
Site Contact:	Во	Jackson				11.5	Total hrs.
Site Contact:	Chac	l Edwards		Present	Onsite Activities:	PROCES	SS WATER
Processing Hrs		8.75 hrs		e Processing		166.7	
BBLS Processed		4,903 bbls		BBLS Proce			43 bbls
BBLS/Hr Proces	ssed:	560.3428571	Cumulative	BBLS/Hr Proc	essed:	409.3	bbl/hr
Lead Supervisor:	Chao	Edwards	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Jaso	on Distall	06:00		20v 100a	7.1	4.25
Crew	Eddie	McGruder	10:00		20v 100a	7.08	4.03
	Sam	my Dean	12:30		20v 100a	7.03	3.25
	R	ay Lee	N/A		N/A	N/A	N/A
	Ke	n Ehler	N/A		N/A	N/A	N/A
	Adar	n Pollard	N/A		N/A	N/A	N/A
<u></u>	Eli '	Tangura					
			Chemical	Usage	Start Inv.	End Inv.	On Order
<u>L</u>			HcL Acid	505	3,163	2,658	
			Sodium Hydroxide	508	1,490	982	
Visitors:	Во	Jackson					
Visitors:							
							L.
Visitors:							
Visitors:		••					
Visitors:	mal operati	onal issues onsite					
Visitors: Were there any abnor	mal operati	onal issues onsite	Y orton and observed the second				
Visitors: Were there any abnor	mal operati	onal issues onsite	?	-			
Visitors: Were there any abnor	mal operati	onal issues onsite	?	averanen/s			
Visitors: Were there any abnor							
Visitors: Were there any abnor No Are there any addition			d? If so, what items and v			Canada (1)	
Visitors: Were there any abnor No Are there any addition							
Were there any abnor							
Were there any abnor No Are there any addition	nal supplies	/equipment neede	d? If so, what items and v	vhen?	Pentagan arterad		
Were there any abnor No Are there any addition No, supplies on order Have there been any	nal supplies	/equipment neede	d? If so, what items and v	vhen?	?		
Were there any abnor No Are there any addition No, supplies on order Have there been any of We are limited to appro	nal supplies changes to eximately 2,(lequipment neede the current sched	d? If so, what items and v	vhen?	?		
Were there any abnor No Are there any addition No, supplies on order Have there been any of We are limited to approand hopes to have tank	changes to eximately 2,0 cs full by 2:3	lequipment neede the current sched 100 bbls/day incomi 0 am.	d? If so, what items and v ule, including volumes ne ng produced water do to po	vhen?	?		
Were there any abnor No Are there any addition No, supplies on order Have there been any of We are limited to approand hopes to have tank Has client provided an	changes to eximately 2,0 ox full by 2:3	lequipment neede the current sched 000 bbls/day incomi 0 am. nal feedback (posi	d? If so, what items and vule, including volumes neing produced water do to po	vhen?	?	son expects th	
Were there any abnor No Are there any addition No, supplies on order Have there been any of We are limited to approand hopes to have tank Has client provided an Person:	changes to eximately 2,000 simulately 2,	the current sched	d? If so, what items and vule, including volumes neighborhood water do to positive or negative)? Company:	vhen? eded by client wer outages, h	? owever, Bo Jacks	son expects th	at to change
Were there any abnor No Are there any addition No, supplies on order Have there been any of the are limited to approand hopes to have tank Has client provided an Person:	changes to eximately 2,000 cs full by 2:30 cs	the current schedi 00 bbls/day incomi 0 am. nal feedback (posi o Jackson d understands that	d? If so, what items and vule, including volumes neing produced water do to po	vhen? eded by client wer outages, h	? owever, Bo Jacks	son expects th	at to change

Additional Comments

There were no chemical adjustments needed today. Both pH and turbidity are stable. We had to shut down treating at 12:45. Bo indicated that we will continue to receive reduced rates of produced water depending on electric company. Crew remained on location to perform housekeeping. Crew will arive on location at 02:00 anticipating full tanks. We are currently at 19,000 bbls in the poseidon tank with an additional 2,000 at recycle location. We will complete recycling for the upcoming frac ahead of schedule as long as the incoming produced water rate returns.

Date:	8/5	5/2012		Report	Number:		56
					Number:		8
			•				
Client:		хто		S	hift Onsite Time:	6:00	am/pm
Location:	Na	ash 29		5	hift Offsite Time:	4:00 PM	am/pm
Site Contact:	Во	Jackson				11.5	Total hr
Site Contact:	Chad	Edwards		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs	Γoday:	6 hrs	Cumulativ	e Processing	Hrs:	172.75	hrs
BBLS Processed		3,263 bbls		BBLS Proces		71,50	6 bbls
BBLS/Hr Proces		543.8333333	Cumulative l	BBLS/Hr Proc	essed:	413.9	bbi/hr
Lead Supervisor:	Chad	Edwards	Readings:	flow back	Volts/Amps	pH	Turbidit
Lead Operator	2.100		08:00		20v 100a	7.1	5.12
Crew	Eddie	McGruder	10:00		20v 100a	7.09	4.03
		my Dean	12:30		20v 100a	7.11	4.05
		ay Lee	N/A		N/A	N/A	N/A
		n Ehler	N/A		N/A	N/A	N/A
	Adan	n Pollard	N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	326	2,658	2,332	
			Sodium Hydroxide	331	982	651	
Visitors:	Во	lackson					
Visitors:							
Visitors:							
ere there any abnor	mal operati	onal issues onsite	?		**************************************		
re there any addition	al supplies	/equipment neede	d? If so, what items and v	vhen?			
re there any addition o, supplies on order	al supplies	/equipment neede	d? If so, what items and v	vhen?	- 196- 196- 196- 196- 196- 196- 196- 196	8 2 3	
re there any addition o, supplies on order			d? If so, what items and w		? 4 4		
re there any addition o, supplies on order ave there been any o					7 2 4 3		
re there any addition o, supplies on order ave there been any o	hanges to 1	the current schedu	ile, including volumes ne		?		
re there any addition o, supplies on order	hanges to 1	the current schedu	ile, including volumes ne	eded by client	our same	хто	
re there any addition o, supplies on order ave there been any o	hanges to 1	the current schedu	ile, including volumes ne	eded by client	our same		

Date:							
	8/	6/2012		Report	Number:		57
		0,2012			lumber:		8
Client:	***************************************	хто		S	hift Onsite Time:	5;30	am/pm
Location:	N	ash 29		S	hift Offsite Time:	7:30 PM	am/pm
Site Contact:	Во	Jackson				11.5	Total hrs.
Site Contact:	Chac	d Edwards		Present	Onsite Activities:	PROCES	SS WATER
Processing Hrs T	odav	10.5 hrs	Cumulati	ve Processing	Hrs:	183,2	5 hrs
BBLS Processed		5,060 bbls		e BBLS Proces			66 bbls
BBLS/Hr Proces		481.9047619		BBLS/Hr Proc		417.8 bbl/hr	
		<u> </u>					
Lead Supervisor:	Chac	d Edwards	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	Sam	my Dean	08:00		20v 100a	7.1	2,58
Crew	Eddie	McGruder	10:00		20v 100a	7.01	2.25
ļ	R	ay Lee	14:00		20v 100a	7.05	2.06
	Ch	nris Ray	16:00		20v 100a	7.09	1.89
	Regir	nald White	N/A		20v 100a	7	1.92
<u> </u>			N/A		N/A	N/A	N/A
-			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	512	2,332	1,820	
			Sodium Hydroxide	379	651	272	
Visitors:	Во	Jackson					
Visitors:							
Visitors:							
		ional issues onsite	?				
Were there any abnorr	nai operau						
Were there any abnorr	nai operau						
	nai operau						
	nai operau						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
No							
No Are there any addition.	al supplies	s/equipment neede	1? If so, what items and v	vhen?			
No	al supplies	s/equipment neede	1? If so, what items and v	vhen?		3	
No Are there any addition Supplies have been ord	al supplies ered and w	s/equipment neede vill begin receiving to	1? If so, what items and v			The second secon	
No Are there any addition. Supplies have been ord Have there been any c	al supplies ered and w hanges to lit shift on a	s/equipment needer vill begin receiving to the current schedu trial basis tomorrow	1? If so, what items and vertices and vertices and vertices and vertices and vertices are the content of the c	eded by client			water as
Are there any addition Supplies have been ord Have there been any c We will be running a spl	al supplies ered and w hanges to lit shift on a rning and e	s/equipment needer vill begin receiving to the current schedu trial basis tomorrow evening shifts at his s	1? If so, what items and v morrow le, including volumes ne . Bo Jackson will be out F suggestion.	eded by client		ture as much	water as

Additional Comments

We have a total of 28,100 bbls treated to date for the upcoming frac on the 9th. Should have no trouble completing the needed volume. Also, we will continue to run after reaching the 35,000 bbls needed until all tanks are full. This should help get a jumpstart on the following frac which will be tight given limited incoming produced water.

Date:	8/7	//2012		Report	Number:		58
	3,.	7,202			umber:		8
Client:		πο		SI	nift Onsite Time:	6:00	am/pm
Location:		sh 29			ift Offsite Time:	12:00 PM	am/pm
Site Contact:		ackson			1. 70	18	Total hrs.
Site Contact:		Worley		Present (Onsite Activities:	PROCES	SS WATER
						194	hrs
Processing Hrs T		11 hrs		e Processing			26 bbls
BBLS Processed 1		5,560 bbls		BBLS Proces			
BBLS/Hr Proces	sed:	505.4545455	Cumulative	BBLS/Hr Proce	essed:	423.3	bbl/hr
Lead Supervisor:	David	Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
		ny Dean	08:00	HOW DACK	100	6.89	1.43
Lead Operator Crew		McGruder	10:00		100	6.93	0.89
CICA -		y Lee	14:00		100	7.12	0.93
*****		is Ray	16:00		100	7.24	1.23
		ald White	18:00		100	7.1	1.56
-	Negiti	and Willie	N/A		N/A	N/A	N/A
			14/8		14/1	.,,,,	147.0
-			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	375	3,750	3,375	eceived 4000
L			Sodium Hydroxide	420	1,200	780	Yes
Visitors:	Bo J	ackson	Souran Tryaroniae	,			
Visitors:							
Visitors:				***************************************			
ere there any abnorr	nal operatio	onal issues onsite	9			ء الوراياء	***************************************
	nai operauc	Juan Issues Offsite		- Condon			
o							
o							
	al supplies/	equipment neede	d? If so, what items and v	vhen?	N 35 4 3		
	al supplies <i>i</i>	equipment neede	d? If so, what items and v	vhen?			
re there any addition							
re there any addition	hanges to t	he current schedu	ule, including volumes ne				
re there any addition	hanges to t	he current schedu	ule, including volumes ne				
re there any addition ave there been any c PLIT SHIFTS TO LET	hanges to t	he current schedu IKS FILL IN BETW	ule, including volumes ne EEN SHIFTS. tive or negative)?				
re there any addition ave there been any c PLIT SHIFTS TO LET	hanges to t	he current schedu IKS FILL IN BETW	ule, including volumes ne EEN SHIFTS.			ХІО	
re there any addition ave there been any c PLIT SHIFTS TO LET	hanges to t DIRTY TAN	he current schedi IKS FILL IN BETW	ule, including volumes ne EEN SHIFTS. tive or negative)?				

Date:						
	8/8/2012		Penori	Number:		59
	0/0/2012			Number:		8
		'				
Client:	хто		S	hift Onsite Time:	6:00	am/pm
Location:	Nash 29			hift Offsite Time:	1:00 AM	am/pm
Site Contact:	Bo Jackson				19	Total hrs.
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCE	SS WATER
Processing Hrs T	oday: 12 hrs		e Processing		206	hrs
BBLS Processed T	Today: 4,126 bbls	Cumulative	BBLS Proces	ssed:	86,2	52 bbls
BBLS/Hr Process	sed: 343.8333333	Cumulative	BBLS/Hr Proc	essed:	418.7	7 bbl/hr
Lead Supervisor:	Paul Worley	Pandings	flow back	Volts/Amps	pН	Turkiditu
Lead Operator	Ken Erler	Readings: 08:00	HOW Dack	100	7.21	Turbidity 1.87
Crew	Eddie McGruder	10:00		100	7.45	0.78
	Ray Lee	14:00		100	6.89	0.69
-	Chris Perry	16:00		100	7.33	0.56
	Reginald White	18:00		100	7.1	1.34
		N/A		N/A	N/A	N/A
<u> </u>		Chemical HcL Acid	Usage	Start Inv.	End Inv.	On Order eceived 4000 ga
		Sodium Hydroxide	300 335	3,750 3,280	3,450 2,945	eceived 4000 ga
Visitors:	Bo Jackson	Souldin Hydroxide	333	3,200	2,545	cerved 2500 ga
Visitors:						
Visitors:						
Hara thara any abaara	mal operational issues onsite	!?				
No	al supplies/equipment peede	d? If so, what items and w	vhen?			
No	al supplies/equipment neede	d? If so, what items and w	vhen?			
No	al supplies/equipment neede	d? If so, what items and w	vhen?	apropro a religion		
No	al supplies/equipment neede	d? If so, what items and w	vhen?	ndert Tittler		S ages
Are there any additional Have there been any c	hanges to the current schedu	ule, including volumes ne				
No Are there any additional Have there been any c		ule, including volumes ne				
No Are there any additional Have there been any c	hanges to the current schedu	ule, including volumes ne				
Are there any additional Have there been any classifications SPLIT SHIFTS TO LET	hanges to the current schedu DIRTY TANKS FILL IN BETW	ule, including volumes ned EEN SHIFTS.				
Are there any additional Have there been any classifications SPLIT SHIFTS TO LET	hanges to the current schedu	ule, including volumes ned EEN SHIFTS.				
Are there any additions Have there been any cl SPLIT SHIFTS TO LET	hanges to the current schedu DIRTY TANKS FILL IN BETW	ule, including volumes ned EEN SHIFTS. tive or negative)?	eded by client			Section 12
Are there any additions Have there been any cl SPLIT SHIFTS TO LET	hanges to the current schedu DIRTY TANKS FILL IN BETWI By operational feedback (posi	ule, including volumes ned EEN SHIFTS. tive or negative)?	eded by client			
Are there any additional Have there been any cl SPLIT SHIFTS TO LET Has client provided an Person: Additional Comme	hanges to the current schedu DIRTY TANKS FILL IN BETWI By operational feedback (posi	ule, including volumes ned EEN SHIFTS. tive or negative)? Company:	eded by client	P FROM DIRTY 1	XTO CANKS AND T	HEN SHUT

Date:	8/9/	2012	[Report	Number:	6	30
	0,0,		l		lumber:		8
Client:		то	ſ	and the second	hift Onsite Time:	6:00	am/pm
Location:		h 29			nift Offsite Time:	1:00 AM	am/pm
Site Contact:		ickson			929010	12	Total hr
Site Contact:		Vorley		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs T	odav	8 hrs	Cumulativ	Processing	Hrs:	214	hrs
BBLS Processed		3,441 bbls		BBLS Proces		89,69	3 bbls
BBLS/Hr Proces		430.125		BLS/Hr Proc		419.1 bbl/hr	
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	pН	Turbidi
Lead Operator	Eddie M	lcGruder	08:00		100	6.97	1.87
Crew	Ray	Lee	10:00		100	6.78	0.78
		Perry	19:00		100	7.23	0.69
	Regina	ld White	21:00		100	6.89	0.56
			22:00		100	6.76	1.23
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	351	3,450	3,099	no
vo. 20			Sodium Hydroxide	374	2,945	2,571	no
Visitors:	Bo Ja	ickson					
Visitors:							
re there any abnor			? d? If so, what items and w	lien?			
there any addition							
	hanges to th	e current sched	ula including volumes ne	eded by client	•		
			ule, including volumes ned EEN SHIFTS.	eded by client	The state of the s	in the San	M _{age} 31
ve there been any c	DIRTY TANK	(S FILL IN BETW	EEN SHIFTS.	eded by client		XTO	
ve there been any c LIT SHIFTS TO LET s client provided ar	DIRTY TANK	(S FILL IN BETW	EEN SHIFTS.	eded by client	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	XTO	ri _{ge} 30

Date:	8/1	0/2012		Report	Number:		 61
		-:			łumber:		8
Client:		хто	,		hift Onsite Time:	6:00	am/pm
Location:		ish 29		5	hift Offsite Time:	4:00 PM	am/pm
Site Contact:		lackson			0 4 4 4 4	9	Total hr
Site Contact:	Paul	Worley		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs 1	oday;	9 hrs	Cumulativ	re Processing	Hrs:	223	hrs
BBLS Processed	Today:	3,990 bbls	Cumulative	e BBLS Proces	ssed:	93,683 bbls	
BBLS/Hr Proces	sed:	443.3333333	Cumulative	BBLS/Hr Proc	essed:	420.1	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		McGruder	08:00		100	6.76	1.35
Crew		ıy Lee	10:00		100	6.23	1.67
		s Perry	12:00		100	7.12	1.98
	Regin	ald White	14:00		100	6.52	1.32
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
-			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	359	2,748	2,389	no
<u> </u>			Sodium Hydroxide	403	2,197	1,794	no
Visitors:	Bo J	ackson					
Visitors;							
Visitors:							
Vere there any abnor			? d? If so, what items and v				
re there any addition	ai supplies	едогринета пессе	ay il so, what items and	riicii:			
			de including volumes no	adad by client	3	COMMERCIAL CONTRACTOR OF THE	5.0
ave there been any c	hanges to t	he current schedu	ile, including volumes ne	eded by client	Y an ^{pa} yanaka	7888 X	28.
				eded by client	Paul Printings	THE STATE OF THE S	.
ave there been any c as client provided ar Person:				eded by client	Plant PHENSER	хто	and Appears

Date:	8/11/2012		Report	Number:	***************************************	62
				lumber:		8
Client:	XTO			hift Onsite Time:	6:00	am/pn
Location:	Nash 29		S	hift Offsite Time:	6:00 PM	am/pn
Site Contact:	Bo Jackson			dist. Also	10	Total hr
Site Contact:	Paul Worley		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs T	oday: 10 hrs	Cumulativ	e Processing	Hrs:	233	hrs
BBLS Processed 1			e BBLS Proces		97,96	52 bbls
BBLS/Hr Proces		Cumulative	BBLS/Hr Proc	essed:	420.4	bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidit
Lead Operator	Eddie McGruder	08:00		100	6.87	1.97
Crew	Ray Lee	10:00		100	6.43	1.89
	Chris Perry	12:00		100	6.97	1.78
	Reginald White	14:00		100	6.89	1.43
		16:00		100	6.76	1.56
		N/A		N/A	N/A	N/A
-		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	385	2,389	2,004	no
		Sodium Hydroxide	411	1,794	1,383	no
Visitors:	Bo Jackson					
Visitors:						·····
Visitors:						
ere there any abnorn o	nal operational issues on	nsite?			4	
	al gunalias/aguinment na	unded 2 If en, what items and y	ub and		. 198	ne.
	al supplies/equipment ne	eeded? If so, what items and v	vhen?	Makes Mills		
e there any addition:		eeded? If so, what items and v				
e there any addition:						Berger
e there any additiona ave there been any c		hedule, including volumes ne				
re there any additiona ave there been any c	hanges to the current scl	hedule, including volumes ne			хто	11. Ph.

Date:	8/12	/2012		Renor	t Number:		63
<u> </u>	0,12	, 2012			Number:		8
Client:	X	ТО		Ç	Shift Onsite Time:	6:00	am/pm
Location:	Nas	h 29		5	Shift Offsite Time:	6:00 PM	am/pm
Site Contact:	Bo Ja	ickson				16 hrs	Total hr
Site Contact:	Paul	Vorley		Present	Onsite Activities:	PROCES	SS WATER
Processing Hrs	Today:	16 hrs	Cumulativ	re Processing	Hrs:	239	hrs
BBLS Processed		3,359 bbls		BBLS Proce		` _	21 bbls
BBLS/Hr Proces		209.9375		BBLS/Hr Proc			bbi/hr
Lead Supervisor:	Paul \	Worley	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		lcGruder	08:00		100	6.87	1.97
Crew	Ray	Lee	10:00		100	6.43	1.89
	Chris	Perry	12:00		100	6.97	1.78
-	Regina	ld White	14:00		100	6.89	1.43
			16:00		100	6.76	1.56
			N/A		N/A	N/A	N/A
ļ			Gt				1
			Chemical HcL Acid	Usage 350	Start Inv. 2,004	End Inv. 1,654	On Orde no
L			Sodium Hydroxide	411	1,794	1,383	no
Visitors:	Bo Ja	ickson				· · · · · · · · · · · · · · · · · · ·	
Visitors:							
Visitors:							
							
	mal operatio	nal issues onsite	97				
Vere there any abnor	mal operatio	nal issues onsite	?				
	mal operation	nal issues onsite	9				
	mal operation	nal issues onsite	· · · · · · · · · · · · · · · · · · ·				
io			e?	vhen?			
io				vhen?			
io				vhen?			
re there any addition	ial supplies/e	quipment neede	d? If so, what items and v				
re there any addition	ial supplies/e	quipment neede					
re there any addition	ial supplies/e	quipment neede	d? If so, what items and v			War entered to	
re there any addition	ial supplies/e changes to th	quipment neede	d? If so, what items and v			St	
re there any addition ave there been any o	ial supplies/e changes to th	quipment neede	d? If so, what items and v ule, including volumes ne tive or negative)?			n and	
re there any addition	ial supplies/e changes to th	quipment neede	d? If so, what items and v			ATO	
re there any addition ave there been any o as client provided a	ial supplies/e changes to th	quipment neede	d? If so, what items and v ule, including volumes ne tive or negative)?		7	ATO	

housekeeping.

Date:	8/1	3/2012		Renort	Number:		64
Dates	- 0,1	3/2012			lumber:		8
Client:		хто		S	nift Onsite Time:	6:00	am/pr
Location:	Na	ish 29		SI	nift Offsite Time:	6:00 PM	am/pr
Site Contact:		Jackson			180	12 hrs	Total h
Site Contact:	Paul	Worley		Present (Onsite Activities:	PROCES	SS WATER
Processing Hrs To		12 hrs		re Processing		235	hrs
BBLS Processed T		4,735 bbls	Cumulativ	e BBLS Proces	sed:	106,0	56 bbls
BBLS/Hr Process	sed:	394.5833333	Cumulative	BBLS/Hr Proce	essed:	451.3	bbl/hr
Lead Supervisor:	Paul	Worley	Readings:	flow back	Volts/Amps	рH	Turbidi
Lead Operator		McGruder	08:00		100	6.87	1.97
Crew Crew	Ra	ıy Lee	10:00		100	6.43	1.89
10.70		is Perry	12:00		100	6.97	1.78
		ald White	14:00		100	6.89	1.43
			16:00		100	6.76	1.56
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	405	2,004	1,599	no
			Sodium Hydroxide	411	1,794	1,383	no
Visitors:	Bo J	lackson					
Visitors:							
Visitors:							
ere there any abnorm			d? If so, what items and v			alt is	
			ule, including volumes ne			5, 3	it:
ACTUAL CONTRACTOR AND ACTUAL CONTRACTOR AND							
s client provided any Person:	/ operation	al feedback (posi	tive or negative)? Company:	500 P		хто	

Performed our morning JSA, Weather conditions some rain, slippery and muddy. Proper PPE when handling chemicals. Watch out for your coworkers. When lifting use the buddy system. XTO wells keep going down, have a crew working on them.

Date:	8/1	14/2012		Report	Number:		65
<u> </u>					lumber:		8
		VTO		•	hift Onsite Time:	6.00	T
Client:		XTO ash 29				6:00	am/pm
Location: Site Contact:		Jackson			hift Offsite Time:	6:00 PM 14 hrs	am/pm Total hrs.
Site Contact:		my Deam			Onsite Activities:		SS WATER
Processing Hrs T		14 hrs		e Processing		251	· · · · · · · · · · · · · · · · · · ·
BBLS Processed 1		6,008 bbls	Cumulative BBLS Processed: 112,064 b				
BBLS/Hr Proces	sed:	429.1428571	Cumulative	BBLS/Hr Proc	essed:	446.5	bbl/hr
Lead Supervisor:	Sam	my Dean	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	Eddie	McGruder	08:00		100	6.87	1.97
Crew		ay Lee	10:00		100	6.43	1.89
		ris Perry	12:00		100	6.97	1.78
	Regin	nald White	14:00		100	6.89	1.43
	·····		16:00		100	6.76	1.56
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	525	2,004	1,479	no
			Sodium Hydroxide	598	1,794	1,196	no
Visitors:	Bo.	Jackson					
Visitors:							
Visitors:							
Vere there any abnorn	nal operati	onal issues onsite	?				
lo	,						
al - Property and a second	al accomplian	lanulament manda	d 2 lf an author itams and a	.ham?			
re there any addition	al supplies	/equipment neede	d? If so, what items and v	vhen?			
re there any addition	al supplies	/equipment neede	d? If so, what items and v	vhen?			
re there any addition	al supplies	/equipment neede	d? If so, what items and v	vhen?	Tital		
			d? If so, what items and v				
lave there been any c	hanges to 1	the current schedu	lle, including volumes ne	eded by client	?	***	
lave there been any c	hanges to 1	the current schedu	ale, including volumes ned	eded by client			
lave there been any c	hanges to 1	the current schedu	lle, including volumes ne	eded by client	?	***	
lave there been any c	hanges to t	the current schedu	ale, including volumes ned	eded by client	?		

Date:	8/1	5/2012		Report	Number:		66
		3/1012			lumber:		8
			•				
Client:		кто		S	hift Onsite Time:	6:00	am/pn
Location:		ısh 29			nift Offsite Time:	6:00 PM	am/pn
Site Contact:	Во	lackson				16 hrs	Total hr
Site Contact:	Samr	ny Deam		Present	Onsite Activities:	PROCES	S WATER
	a	16 k				267	h
Processing Hrs T BBLS Processed		16 hrs 7,282 bbis		BBLS Proces		110.2	hrs 46 bbls
BBLS/Hr Proces		455.125		BBLS/Hr Proce			bbl/hr
DDLO// ITTOCES	ocu.	455.125	Cumulauve	JOCOM PIOC	saacu.	441.0	DDWIII
Lead Supervisor:	Sami	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		McGruder	08:00		100	6.87	1.97
Crew	Ra	ıy Lee	10:00		100	6.43	1.89
	Chr	s Perry	12:00		100	6.97	1.78
	Regin	ald White	14:00		100	6.89	1.43
			16:00		100	6.76	1.56
<u> </u>			N/A		N/A	N/A	N/A
 			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	525	2,004	1,479	no
L			Sodium Hydroxide	598	1,794	1,196	no
Visitors:	Во	ackson					
Visitors:							
Visitors:							
ere there any abnorr o	nal operatio	onal issues onsite	?		All Marie Control		74 1
e there any addition	al supplies	equipment neede	ed? If so, what items and w	hen?			
	hanges to t	he current sched	ule, including volumes nee				
ive there been any c	hanges to t	he current sched	ule, including volumes nee			XTO	b II

Date:	8/1	6/2012		Report	Number:		67
					lumber:		8
Client:		хто			hift Onsite Time:	6:00	/
Client: Location:		ash 29			hift Offsite Time:	6:00 PM	am/pr am/pr
Site Contact:		Jackson		3	***************************************	11 hrs	Total h
Site Contact:		ny Deam			Onsite Activities:		S WATER
Processing Hrs		11 hrs	***************************************	re Processing		278	hrs
BBLS Processed		3,056 bbls		e BBLS Proces			02 bbls
BBLS/Hr Proce	ssed:	277.8181818	Cumulative	BBLS/Hr Proc	essed:	436.7	bbl/hr
Lead Supervisor:	Sami	my Dean	Readings:	flow back	Volts/Amps	рН	Turbidi
Lead Operator	Eddie	McGruder	08:00		100	6,87	1.97
Crew	Ra	ay Lee	10:00		100	6.43	1.89
	Chr	is Perry	12:00		100	6.97	1.78
	Regin	ald White	14:00		100	6.89	1.43
			16:00		100	6.76	1.56
-			N/A		N/A	N/A	N/A
<u></u>			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	355	1,479	1,124	no
V6-24	D- 1	11	Sodium Hydroxide	266	1,196	930	Yes
Visitors:	D0 3	lackson					
Visitors:							
ere there any abno	rmal operation	onal issues onsite	?				
e there any additio	nal supplies	/equipment needed	d? If so, what items and v	vhen?	7 .36.		
ave there been any	changes to t	he current schedu	ile, including volumes ne	eded by client	?		
as client provided a	iny operation	nal feedback (posit	live or negative)? Company:	Neisen	200	хто	

G&K. Had to repair 4 " valve screws broke off. Bought to C Clamps to fix valve. Acid arrive to location. Third party truck broke down on location.

Date:	0/4	7/2012		Dane 4	Number		68
Total American Control of the Contro	8/1	7/2012			Number: lumber:		8
			1	Gint I	ompe,		
Client:		сто		Si	hift Onsite Time:	6:00	am/pn
Location:	Na	sh 29		SI	nift Offsite Time:	6:00 PM	am/pn
Site Contact:	Bo J	ackson			100	4 hrs	Total hr
Site Contact:	Samn	ny Deam		Present (Onsite Activities:	PROCES	S WATER
Processing Hrs T	odav:	4 hrs	Cumulativ	e Processing	Hrs	282	hrs
BBLS Processed		1,009 bbls		BBLS Proces			11 bbls
BBLS/Hr Proces		252.25	Cumulative	BBLS/Hr Proce	essed:	434.1 bbl/hr	
I and Committee of	Come	ny Daon	Dandings	day bask	Volta / France		Turbidit
Lead Supervisor: Lead Operator		ny Dean McGruder	Readings: 08:00	flow back	Volts/Amps 100	рН 6.87	1.97
Crew		y Lee	10:00		100	6.43	1.89
. USW SUSE		s Perry	12:00		100	6.97	1.78
		ald White	14:00		100	6.89	1.43
	1109111		16:00		100	6.76	1.56
			N/A		N/A	N/A	N/A
ļ			Chemical	Usage	Start Inv.	End Inv.	On Ord
 			HcL Acid	150	1,124	974	no
L			Sodium Hydroxide	130	3,930	3,800	Yes
Visitors:	Bo.J	ackson	Sociality	130	3,550	0,000	,,,,
Visitors:		donoon					
Visitors:							
ere there any abnorr			d? If so, what items and v	vhen?			
ere there any abnorr e there any addition ve there been any c	al supplies/ hanges to t	equipment neede he current schedi	d? If so, what items and v	vhen?			
ere there any abnorr	al supplies/ hanges to t	equipment neede he current schedi	d? If so, what items and v	vhen?		хто	

Site Contact: Bo Jackson Present Onsite Activities: PROCESS WATER								
Client: XTO Location: Nash 29 Sile Contact: Bo Jackson Sile Contact: Bo Jackson Sile Contact: Bo Jackson Sile Contact: Sammy Deam Processing Hrs Today: 6 hrs BBLS Processed: 125,796 bbls BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.8333333 Cumulative BBLS Processed: 480.83033333 Cumulative BBLS Processed: 480.81074 Crew Ray Lee Chris Penry 12:00 100 6.87 1.97 10:00 6.89 1.43 16:00 100 6.89 1.43 1	5.4.4	0/1	2/2042					
Client: XTO Location: Nash 29 Site Contact: Bo Jackson Site Contact: Sammy Deam Processing Hrs Today: 6 hrs BBLS Processed: 400.8333333 Lead Supervisor: Sammy Dean Lead Supervisor: Eddie McGruder Lead Supervisor: Crew Ray Lee Chris Perry Reginald White Reginald White Reginald White Reginald White Hcl. Acid 305 974 669 98-1.45 Hcl. Acid 305 974 669 98-1.55 Sodium Hydroxide Visitors: Visitors: Were there any abnormal operational issues onsite? Nore there any additional supplies/equipment needed? If so, what items and when? Nore there any changes to the current schedule, including volumes needed by client? Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Readings: flow back Volts/Amps pH Turbic Dean Supervisor: Sammy Dean Lead Supervisor	Date: [8/1	.8/2012					
Shift Offsite Time: 6:00 PM am/p Site Contact: Bo Jackson Site Contact: Bo Jackson Site Contact: Sammy Deam Processing Hrs Today: 6 hrs BBLS Processed Today: 2,885 bbls BBLS Processed Today: 2,885 bbls BBLS/Hr Processed: 125,96 bbls Cumulative BBLS/Hr Processed: 125,96 bbls Cumulat						itulii		
Shift Offsite Time: 6:00 PM am/p Site Contact: Bo Jackson Site Contact: Bo Jackson Site Contact: Sammy Deam Processing Hrs Today: 6 hrs BBLS Processed Today: 2,885 bbls BBLS Processed Today: 2,885 bbls BBLS/Hr Processed: 125,96 bbls Cumulative BBLS/Hr Processed: 125,96 bbls Cumulat	Client		VTO 1			hit Oncite Time:	6,00	I am/nm
Site Contact: Bo Jackson Site Contact: Sammy Deam Processing Hrs Today: 6 hrs BBLS Processed 70day: 2,885 bbls BBLS/Hr Processed: 480.8333333 Cumulative BBLS/Hr Processed: 480.8333333 Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 125,296 bbls Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 125,296 bbls Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 125,296 bbls Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 125,296 bbls Cumulative BBLS/Hr Processed: 435.1 bbl/hr Cumulative BBLS/Hr Processed: 125,296 bbls Cumulative BB								am/pm am/pm
Processing Hrs Today: 6 hrs BBLS Processed Today: 2,885 bbls BBLS Processed Today: 2,885 bbls BBLSMr Processed: 480,8333333 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Chris Perry Reginald White Reginald White Reginald White The Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Lead Supervisor: Eddie McGruder Crew Ray Lee Chris Perry Reginald White Reginald White Redings: flow back Volts/Amps pH Turbic 10:000 100 6.87 1.97 12:00 100 6.97 1.76 10:000 100 6.97 1.76 16:00 100 6.76 1.56 16:00 100 6.77 1.77 16:00 100 6.77 1.77 17:00 100 6.87 1.97 18:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6.87 19:00 100 6					-	and consider three		Total hrs.
BBLS/Hr Processed: 2,885 bbls BBLS/Hr Processed: 480.8333333 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Chris Perry Reginald White Lead Supervisor: Reginald		Samı	my Deam		Present	Onsite Activities:	PROCES	·
BBLS/Hr Processed: 2,885 bbls BBLS/Hr Processed: 480.8333333 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Chris Perry Reginald White Lead Supervisor: Reginald								
BBLS/Hr Processed: 480.8333333 Cumulative BBLS/Hr Processed: 435.1 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Chris Perry Reginald White Reginald White Chemical Usage Start Inv. End Inv. Hcl. Acid 305 974 669 yes Sodium Hydroxide 250 3,800 3,550 No Visitors: Visitors: Visitors: Were there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? Are there been any changes to the current schedule, including volumes needed by client? Lead Supervisor: Readings: flow back Volts/Amps pH Turbic 08:00 100 6.87 1.97 1.90 1.00 6.87 1.97 1.90 1.00 6.87 1.97 1.90 1.00 6.89 1.43 1.81 1.81 1.81 1.82 1.83 1.83 1.83 1.84 1.84 1.84 1.85 1.84 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85			6 hrs					
Lead Supervisor: Sammy Dean Readings: flow back Volts/Amps pH Turbic Turbic Sammy Dean Readings: flow back Volts/Amps pH Turbic Sammy Dean Sam			 					
1970 100	BBLS/Hr Proc	essed:	480.8333333	Cumulative	BBLS/Hr Proc	essed:	435.1	bbi/hr
Solution Solution	Laad Sunenvisor	Sami	my Dean	Readings:	flow back	Molts/Amns	nН	Turbidity
10:00				·	HOW Back	***************************************		
Chris Perry Reginald White 12:00 100 6.97 1.78 14:00 100 6.89 1.43 16:00 100 6.76 1.56 N/A N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. On Ord Hcl. Acid 305 974 669 yes Sodium Hydroxide 250 3,800 3,550 No Visitors: Visitors: Visitors: Were there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Company: XTO	Committee and the committee of the commi		X					1.89
Reginald White 14:00 100 6.89 1.43 16:00 100 6.76 1.56 N/A N/A N/A N/A N/A Chemical Usage Start inv. End Inv. On Ord Hot Acid 305 974 669 yes Sodium Hydroxide 250 3,800 3,550 No Visitors: Visitors: Visitors: Were there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Company: XTO								1.78
N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	ľ			14:00		100	6.89	1.43
Chemical Usage Start Inv. End Inv. On Ord Hct Acid 305 974 669 yes Sodium Hydroxide 250 3,800 3,550 No Visitors: Visitors: Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO				16:00		100	6.76	1.56
Hcl Acid 305 974 669 yes Sodium Hydroxide 250 3,800 3,550 No Visitors: Visitors: Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO				N/A		N/A	N/A	N/A
Hcl Acid 305 974 669 yes Sodium Hydroxide 250 3,800 3,550 No Visitors: Visitors: Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO								
Visitors: Visitors: Visitors: Visitors: Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO	1							On Order
Visitors: Visitors: Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO	Ĺ							yes
Visitors: Visitors: Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO	V2-14	Б.		Sodium Hydroxide	250	3,800	3,550	No
Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO		DO J	Jackson					
Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO								
Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO	Flattora.				<u> </u>	1		<u> </u>
Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO								
Are there any additional supplies/equipment needed? If so, what items and when? Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO	Were there any abno	ormal operation	onal issues onsite	?	4.4			
Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Company: XTO								
Have there been any changes to the current schedule, including volumes needed by client? Has client provided any operational feedback (positive or negative)? Person: Company: XTO								
Has client provided any operational feedback (positive or negative)? Person: Company: XTO	Are there any addition	onal supplies	equipment needed	d? If so, what items and \	when?			
Has client provided any operational feedback (positive or negative)? Person: Company: XTO								
Has client provided any operational feedback (positive or negative)? Person: Company: XTO	Have there been any	changes to t	the current schedu	ile: including volumes ne	eded by client	?		
Person: Company: XTO								
Person: Company: XTO	Has alient provided	any operation	asl feedback (nocit	live or penative\2				
1 (7) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		any operation	iai iecuback (posit				XTO	
Additional Comments Additional Comments							Α10	
	Additional Com	iments						
Performed our morning JSA Proper PPE drink plenty of fluid. Watch out for each other.	Danis	ICA D	nas Jaila Janeara	fl.:21 \4/_4_b f				

Date:	8/19/201	.2		Report	Number:		70
	-,,				Number:		8
a.	VTO		1		hift Onsite Time:	6:00	/n=
Client:	XTO				to the second se	6:00 6:00 PM	am/pn
Location: Site Contact:	Nash 29 Bo Jackso			3	hift Offsite Time:	4 hrs	am/pn Total hr
Site Contact:	Sammy De			Present	Onsite Activities:		S WATER
Processing Hrs T				e Processing		292	hrs
BBLS Processed 1		009 bbls		BBLS Proces			05 bbls
BBLS/Hr Proces	sed:	252.25	Cumulative	BBLS/Hr Proc	essea:	432.6	bbi/hr
Lead Supervisor:	Sammy De	an	Readings:	flow back	Volts/Amps	рН	Turbidi
Lead Operator	Eddie McGn		08:00	A COLUMN TO THE	100	6.87	1.97
Crew	Ray Lee		10:00		100	6.43	1.89
	Chris Per		12:00		100	6.97	1.78
	Reginald W	hite	14:00		100	6.89	1.43
			16:00		100	6.76	1.56
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	125	3,669	3,544	yes
0.02 92		······	Sodium Hydroxide	150	3,550	3,400	No
Visitors:	Bo Jackso	'n					
Visitors:							
Visitors:					L		
ere there any abnorm	nal operational i	ssues onsite	2		odo, Strong Plan		100
e there any addition	al supplies/equip	ment neede	d? If so, what items and w	vhen?	7 N		
			d? If so, what items and w		2	18. 18. 19. 19. 19. 19.	
ave there been any c	hanges to the cu	rrent schedu	ile, including volumes ne	eded by client			
ave there been any cl	hanges to the cu	rrent schedu	ile, including volumes ned		? 1 23	1 16 N	
	hanges to the cu	rrent schedu	ile, including volumes ne	eded by client		хто	

	0/20/2012		B- 4	Maria		
Date:	8/20/2012			Number: lumber:		71 8
			Unit	rumper.		0
Client:	хто		S	hift Onsite Time:	6:00	am/pm
Location:	Nash 29		SI	nift Offsite Time:	6:00 PM	am/pm
Site Contact:	Bo Jackson				12 hrs	Total hrs.
Site Contact:	Sammy Deam		Present (Onsite Activities:	Main	tenance
Maint on Unit						
Processing Hrs			ive Processing		292	hrs
BBLS Processed			ve BBLS Proces			05 bbls
BBLS/Hr Proce	ssed: #DIV/	Cumulativ	BBLS/Hr Proc	essed:	432.6	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	Eddie McGruder	08:00		100	6.87	1.97
Crew	Ray Lee	10:00		100	6.43	1.89
	Chris Perry	12:00		100	6.97	1.78
	Reginald White	14:00		100	6.89	1.43
		16:00		100	6.76	1.56
		N/A		N/A	N/A	N/A
-		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	3,544	3,544	yes
		Sodium Hydroxide	0	3,400	3,400	No
Visitors:	Bo Jackson					
Visitors:						
Visitors:						
					Mar - 4 - 1	
66	rmal operational issue:	onsite?				
were there any abnor						
vere there any abno No						
No	nal supplies/equipmen	needed? If so, what items and	when?	72		
No	nal supplies/equipmen	needed? If so, what items and	when?		24.11.15.45.11	
No Are there any addition						
No Are there any addition		needed? If so, what items and				Okac on S
No Are there any addition						
Are there any addition	changes to the current	schedule, including volumes n				
Are there any addition Have there been any Has client provided a	changes to the current	schedule, including volumes n				
Are there any addition	changes to the current	schedule, including volumes n				
re there any additions lave there been any	changes to the current	schedule, including volumes n				

Date:	8/21	/2012		Report	Number:		72
3	3/21	/2012			Number:		8
Client:	X	то		S	hift Onsite Time:	5:00	am/pm
Location:	Nas	sh 29		5	hift Offsite Time:	11:00 PM	am/pm
Site Contact:	Bo Ja	ackson		296 (6)	10000	18 hrs	Total hr
Site Contact:	Samm	y Dean		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs T	oday:	8 hrs	Cumulati	ve Processing	Hrs:	300	hrs
BBLS Processed T		3,208 bbls		e BBLS Proces		129,5	13 bbls
BBLS/Hr Process	sed:	401	Cumulative	BBLS/Hr Proc	essed:	431.7	bbl/hr
Lead Supervisor:	Samm	y Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		Perry	16:30	HOW DOCK	110	7.54	0.64
Crew		ld White	18:30		110	7.34	1.67
DUCKE AS DARWARD	9"		20:30		110	7.02	1.67
		·	22:30	İ	110	7.34	1.25
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	400	5,300	4,900	No
			Sodium Hydroxide	350	2,980	2,630	No
Visitors:	Bo Ja	ickson					
Visitors:							
Visitors:				<u> </u>			
ere there any abnorm	ani anavatia				THE PROPERTY.		7 - M (0427, 57.5)
e there any additiona	il supplies/e	quipment neede	ed? If so, what items and	when?			
ve there been any ch	nanges to th	e current sched	ule, including volumes n	eeded by client	7	1275 <u>1</u>	
	y operationa	il feedback (posi	tive or negative)?	P. P	Number of State 2019	10 mm 2 mm	
s client provided an			•			хто	
s client provided an			Company:				

Date:	8/22	2/2012		Report	Number:		73
	-,				lumber:		8
Client:	x	то		Si	nift Onsite Time:	9:00	am/pm
Location:	Na	sh 29		SI	ift Offsite Time:	4:00 PM	am/pm
Site Contact:	Bo J	ackson				7 hrs	Total hrs
Site Contact:	Samn	ny Dean		Present (Onsite Activities:	PROCES	S WATER
Processing Hrs	Today:	3 hrs	Cumulati	ve Processing	Hrs:	303	hrs
BBLS Processed		1,419 bbls		e BBLS Proces		130,93	32 bbls
BBLS/Hr Proce	ssed:	473	Cumulative	BBLS/Hr Proce	essed:	432.1	bbl/hr
Lead Supervisor:		ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		s Perry	11:30		110	7.69	1.94
Crew	Regina	ld White	13:30		110	6.98	0.44
<u> </u> _			15:30		110	7	1.67
<u>_</u>			15:44		110	6.89	0.24
Ļ	·		N/A	ļ	N/A	N/A	N/A
			N/A	<u> </u>	N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
L			HcL Acid	200	4,900	4,700	No
M-14	Po I	nales n	Sodium Hydroxide	175	2,630	2,455	No
Visitors: Visitors:	B0 J	ackson					
Visitors:							
Vere there any abno	rmal operatio	nal issues onsite	?			Page Page	
re there any additio o	nal supplies/	equipment n ee de	d? If so, what items and	when?			
ave there been any	changes to t	ne current schedu	ule, including volumes ne	eded by client	•		
			11112	17.			
as client provided a	INV Operation		use Divieus(176) [C 100 Sept.		
as client provided a Person:	iny operation	ai reedback (posii	Company:			XTO	

Date:	8/23/2012		Report	Number:		74
***************************************				lumber:		8
Client:	хто			hift Onsite Time:	10:00	am/pm
Location:	Nash 29			hift Offsite Time:	7:00 PM	am/pm
Site Contact:	Bo Jackson		1977	The same of the	9 hrs	Total hrs.
Site Contact:	Sammy Dean		Present	Onsite Activities:	PROCES	S WATER
Processing Hrs To	oday: 5 hrs	Cumulath	re Processing	Hrs:	308	hrs
BBLS Processed T			BBLS Proces			80 bbls
BBLS/Hr Process			BBLS/Hr Proc		433.7	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Chris Perry	13:00		110	6.44	1.05
Crew	Reginald White	15:00		110	7.03	0.381
		17:00		110	7.14	0.668
		18:00		110	7	0.553
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
<u> </u>		HcL Acid	150	4,700	4,550	No
Visitors:	Bo Jackson	Sodium Hydroxide	375	2,455	2,080	No
Visitors:	Bo Jackson					
Visitors:						
	7.5		The State of	w.	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ere there any abnormain and wind	nal operational issues onsite					
	al operational issues onsite			71 22 192		A
e there any additiona		d? If so, what items and v	vhen?			is of
e there any additiona o ave there been any ch	il supplies/equipment needec	d? If so, what items and v ile, including volumes ne live or negative)?	vhen?			
e there any additional ave there been any ch	I supplies/equipment needed	d? If so, what items and v	vhen?	?	XTO	

Date:	8/24	/2012		Report	Number:	<u> </u>	75
	0/24	72012			Number:		8
Client:	X.	то		S	hift Onsite Time:	10:00	am/pm
Location:	Nas	sh 29		S	hift Offsite Time:	7:00 PM	am/pm
Site Contact:	Bo Ja	ackson			A Gutta George	9 hrs	Total hrs.
Site Contact:	Samm	y Dean		Present	Onsite Activities:	PROCES	S WATER
				* P	••	200	L
Processing Hrs To		0 hrs		ve Processing		308	hrs
BBLS Processed T		0 bbls		e BBLS Proces			80 bbls
BBLS/Hr Process	sed:	0	Cumulative	BBLS/Hr Proc	essed:	433.7	bbl/hr
Lead Supervisor:	Samm	y Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Chris	Perry	13:00		N/A	N/A	N/A
Crew	Reginal	ld White	15:00		N/A	N/A	N/A
			17:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	4,700	4,550	No
			Sodium Hydroxide	0	2,455	2,080	No
Visitors:	Bo Ja	ickson					
Visitors:							
Visitors:							
Were there any abnorm	nal operation	nal issues onsite	7			-	
No							

	l supplies/e	quipment neede	d? If so, what items and	when?			
No							
			· · · · · · · · · · · · · · · · · · ·				
Have there been any ch	nanges to th	e current sched	ule, including volumes ne	eded by client	?		
NO					•		
Has client provided any	y operationa	al feedback (posi					2007 - History C.
Person:			Company:	1974		хто	
No							
Additional Comme	ents						

Fixed 4" line for system one on Brown Bear. Spoke with Mr. Bo Jackson, about how Oil got into Poseidon tank. He is not for sure, but do know that there was 3 rd party trucks taking water from XTO Nash Draw Unit # 47 H and unloading it in Poseidon tank. Do not know if those trucks was clean before doing this. Took samples of influent and enfluent, took to Hobbs Yard to be sent to Houston. Poseidon tank is at 136.5" at this time. Recommend to not suck Poseidon tank no lower than 10 inches for frac job.

Date:	8/25/2012		Report	Number:		76
				Number:		8
Client;	хто		S	shift Onsite Time:	8:00	am/pn
Location:	Nash 29			hift Offsite Time:	5:00 AM	am/pn
Site Contact:	Bo Jackson		4		9 hrs	Total hr
Site Contact:	Sammy Dean		Present	Onsite Activities:	Main	tenance
Processing Hrs To	oday: 0 hrs	Cumulativ	e Processing	Hrs:	308	hrs
BBLS Processed T			BBLS Proce		133,5	80 bbls
BBLS/Hr Process	sed; 0	Cumulative	BBLS/Hr Proc	essed:	433.7	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	Chris Perry	13:00		N/A	N/A	N/A
Crew	Reginald White	15:00		N/A	N/A_	N/A
		17:00		N/A	N/A	N/A
<u> </u>		18:00		N/A	N/A	N/A
<u> </u>		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	0	4,700	4,550	No
V0-14		Sodium Hydroxide	0	2,455	2,080	No
Visitors:	Bo Jackson					
Visitors:						
re there any abnorm	nal operational issues onsite	(1) Memorial line		11/26 12/34		
	il supplies/equipment neede	d? If so, what items and v	vhen?	The state of the s		
e there any additiona	il supplies/equipment neede					
e there any additiona ve there been any ch s client provided any		ule, including volumes ne tive or negative)?				0.
e there any additiona ve there been any ch	nanges to the current schedu	ule, including volumes ne			XTO	

Date:	8/26/2012		Report	Number:	ĺ	77
	0,20,2022		Unit N	lumber:		8
611	VTO		Feet 6	La Contraction	40,00	1 /
Client:	XTO			hift Onsite Time:	10:00	am/pm
Location:	Nash 29		Si	hift Offsite Time:	7:00 PM	am/pm
Site Contact:	Bo Jackson		Droppet	Onsite Activities:	9 hrs	Total hrs. tenance
Site Contact:	Sammy Dean		Flesent	Offsite Activities.	Iviairi	teriance
Processing Hrs	Today: 0 hrs	Cumulativ	ve Processing	Hrs:	308	hrs
BBLS Processed	Today: 0 bbls	Cumulativ	e BBLS Proces	ssed:	133,5	80 bbls
BBLS/Hr Proce	ssed: 0	Cumulative	BBLS/Hr Proce	essed:	433.7	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Chris Perry	13:00		N/A	N/A	N/A
Crew	Reginald White	15:00		N/A	N/A	N/A
		17:00		N/A	N/A	N/A
		18:00		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		N/A		N/A	N/A	N/A
		Chemical	11	C1	ewal I	0-0-4
-		HcL Acid	Usage 0	Start Inv. 4,700	End Inv. 4,550	On Order No
L		Sodium Hydroxide	0	2,455	2,080	No
Visitors:	Bo Jackson	Sociali Tryaroxiae	,	2,433	2,000	110
Visitors:						
Visitors:						
						<u> </u>
Were there any abnor	rmal operational issues onsite	17				
No						
Are there any additio	nal supplies/equipment neede	d? If so, what items and v	when?			
No						
	changes to the current schedu	ule, including volumes ne	eded by client	?		
Standy- by as per cust	omer request					
	iny operational feedback (posi					
Person:		Company:			хто	
Additional Com	ments					
	3/ 3/2005					
Did not run today all e	quipment is filled. Water in weir	tanks is clear. Trying to get	a pressure was	her to clean out	Brown Bear.	

Date:	8/27/	/2012 I	1	Report	Number:		78
	0, 2.1,		l		lumber:		8
Client:	X	го		S	hift Onsite Time:	8:00	am/pn
Location:	Nas	h 29		SI	nift Offsite Time:	5:00 AM	am/pm
Site Contact:	Bo Ja	ckson		Sa, Sa	The last section	9 hrs	Total hr
Site Contact:	Samm	y Dean		Present (Onsite Activities:	Main	tenance
Processing Hrs T	odav:	0 hrs	Cumulativ	e Processing	Hrs:	308	hrs
BBLS Processed		0 bbls		BBLS Proces		133,5	80 bbls
BBLS/Hr Proces		0	Cumulative I	BLS/Hr Proc	essed:	433.7	bbl/hr
Lead Supervisor:	Samm	v Dean	Readings:	flow back	Volts/Amps	рН	Turbidi
Lead Operator		Perry	13:00		N/A	N/A	N/A
Crew	Reginal		15:00		N/A	N/A	N/A
			17:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	4,700	4,550	No
va va			Sodium Hydroxide	0	2,455	2,080	No
Visitors:		ckson					
Visitors:	Todd						
	A to					·	
Visitors:	Arron K	varcher					
Visitors:			??		a 9 ₂ at	r. e	
Visitors: fere there any abnorr	mal operatior	nal issues onsite	ed? If so, what items and w	then?			
Visitors: Vere there any abnorred re there any addition	mal operation nal supplies/e	nal issues onsite quipment neede			Mr. Markette		
Visitors: Vere there any abnorro re there any addition o ave there been any c tandy- by as per custo	mal operation nal supplies/e :hanges to the	quipment neede	ed? If so, what items and w		Mr. Markette		
Visitors: Vere there any abnorred there any addition of the same and addition of the same and t	mal operation nal supplies/e :hanges to the	quipment neede	ed? If so, what items and w		Mr. Markette	XTO	
ere there any abnormation of the there any addition of the there any addition of the there been any control of the the there been any control of the there b	mal operation nal supplies/e :hanges to the	quipment neede	ed? If so, what items and w ule, including volumes ned		Mr. Markette	The second	
Visitors: Vere there any abnorre re there any addition ave there been any common and the comm	mal operation al supplies/e changes to the omer request ny operationa	quipment neede	ed? If so, what items and w ule, including volumes ned		Mr. Markette	The second	

Date:	8/28	/2012		Report	Number:		79
M Maw .	U _f a.u	/ 2012			lumber:		8
Client:	X	то			hift Onsite Time:	8:00	am/pm
Location:	Nas	sh 29		S	hift Offsite Time:	5:00	am/pm
Site Contact:		ackson				9 hrs	Total hrs.
Site Contact:	Samm	y Dean		Present	Onsite Activities:	Main	tenance
Processing Hrs	s Today:	0 hrs	Cumulativ	e Processing	Hre•	308	hrs
BBLS Processe		0 bbls		BBLS Proces			80 bbls
BBLS/Hr Proc		0		BBLS/Hr Proc			/ bbl/hr
Lead Supervisor:	Samm	y Dean	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator		Perry	13:00		N/A	N/A	N/A
Crew	Regina	ld White	15:00		N/A	N/A	N/A
			17:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
[•				
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	4,700	4,550	No
			Sodium Hydroxide	0	2,455	2,080	No
Visitors:	Bo Ja	ickson					
Visitors:							
Visitors:							
Were there any abn							
Poseidon tank off loc	ation developed	l 2 leaks. Operation	on has been on standby unt	il leaks can be	repaired		
Are there any addition	onal supplies/e	quipment needs	ed? If so, what items and v	vhen?			
No							

Have there been any	changes to th	e current sched	ule, including volumes ne	eded by client	7		
Standby as per custo				-			
					1		***************************************
Has client provided	any operationa	il feedback (posi	itive or negative)?				
Person:			Company:	4.1		хто	
No							
Additional Con	ments						
Additional Con	ments						
Did not process water	r today. All tank	s are full. Poseido	on tank under repair with 2	leaks So compl	ete repairs 8/30/1	2.	

Date:	8/29	/2012			Number:		80
				Unit I	Number:		8
Client:	X	то			hift Onsite Time:	8:00	am/pm
Location:		sh 29		5	hift Offsite Time:	5:00	am/pm
Site Contact:		ackson		100		9 hrs	Total hrs.
Site Contact:	Samn	ny Dean		Present	Onsite Activities:	Main	tenance
Processing Hrs To	odav:	0 hrs	Cumulativ	e Processing	Hrs:	308	hrs
BBLS Processed T		0 bbis		e BBLS Proces			80 bbls
BBLS/Hr Process		0	Cumulative	BBLS/Hr Proc	essed:	433.7 bbl/hr	
Lead Supervisor:		ny Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator		Perry	13:00		N/A	N/A	N/A
Crew	Regina	ld White	15:00		N/A	N/A	N/A
			17:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
<u> </u>			N/A		N/A	N/A	N/A
<u> </u>			N/A		N/A	N/A	N/A
<u> </u>			Chemical	Henry	Start Inv.	End law	On Order
			HcL Acid	Usage 0		End Inv.	No
<u> </u>			Sodium Hydroxide	0	4,700 2,455	4,550 2,080	No
Visitors:	Bo Ja	ickson	30didili riyaroxide		2,433	2,000	140
Visitors:	5000	101.0011					
Visitors:							
Visitors:							L
Visitors:							
	nal operatio	nal jeeues Ansits				46, 5.	The state of
Were there any abnorm				il leaks can be	renaired		
Were there any abnorm			on has been on standby unt	il leaks can be	repaired	11/4	1, 1, 1, 1
Were there any abnorm				il leaks can be	repaired	794 754	
Were there any abnorm				il leaks can be	repaired		
Were there any abnorm Poseidon tank off locatio	n developed	d 2 leaks. Operation	on has been on standby unt		repaired		
Were there any abnorm Poseidon tank off locatio	n developed	d 2 leaks. Operation			repaired		
Were there any abnorm Poseidon tank off locatio Are there any additiona	n developed	d 2 leaks. Operation	on has been on standby unt		repaired		
Were there any abnorm Poseidon tank off locatio	n developed	d 2 leaks. Operation	on has been on standby unt		repaired		
Were there any abnorm Poseidon tank off locatio Are there any additiona	n developed	d 2 leaks. Operation	on has been on standby unt	vhen?	N. N. Ov.		
Were there any abnorm Poseidon tank off locatio Are there any additiona No Have there been any ch	n developed	d 2 leaks. Operation	on has been on standby unt	vhen?	N. N. Ov.		
Were there any abnorm Poseidon tank off locatio Are there any additiona No Have there been any ch	n developed	d 2 leaks. Operation	on has been on standby unt	vhen?	N. N. Ov.		
Were there any abnorm Poseidon tank off locatio Are there any additiona No Have there been any ch	n developed	d 2 leaks. Operation	on has been on standby unt	vhen?	N. N. Ov.		
Were there any abnorm Poseidon tank off locatio Are there any additiona No Have there been any ch Standby as per customer	an developed	d 2 leaks. Operation	on has been on standby unt	vhen?	N. N. Ov.		
Were there any abnorm Poseidon tank off location Are there any additiona No Have there been any chestandby as per customer	an developed	d 2 leaks. Operation	on has been on standby unto d? If so, what items and v ule, including volumes ne tive or negative)?	vhen?	N. N. Ov.	XIO	
Were there any abnorm Poseidon tank off location Are there any additiona No Have there been any che Standby as per customer Has client provided any Person:	an developed	d 2 leaks. Operation	on has been on standby unt	vhen?	N. N. Ov.	XTO	
Were there any abnorm Poseidon tank off location Are there any additiona No Have there been any chestandby as per customer	an developed	d 2 leaks. Operation	on has been on standby unto d? If so, what items and v ule, including volumes ne tive or negative)?	vhen?	N. N. Ov.	хто	
Were there any abnorm Poseidon tank off location Are there any additiona No Have there been any che Standby as per customer Has client provided any Person:	anges to the request	d 2 leaks. Operation	on has been on standby unto d? If so, what items and v ule, including volumes ne tive or negative)?	vhen?	N. N. Ov.	XTO	

should be able to start cleaning water on Friday 31st Day Of August 2012, sometime that evening.

Date:	8/30/2	2012		Report	Number:		81
	3,00,				lumber:		8
Client:	XTO	0		S	hift Onsite Time:	8:00	am/pm
Location:	Nash	29			nift Offsite Time:	5:00	am/pm
Site Contact:	Bo Jac	kson				9 hrs	Total hrs.
Site Contact:	Sammy	Dean		Present	Onsite Activities:	Main	tenance
Processing Hrs T	oday:	0 hrs	Cumulativ	e Processing	Hrs:	308	hrs
BBLS Processed		0 bbls	Cumulative	BBLS Proces	sed:	133,5	80 bbls
BBLS/Hr Proces	sed:	0	Cumulative I	BLS/Hr Proc	essed:	433.7	bbl/hr
Lead Supervisor:	Sammy	Dean	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	Chris F		13:00		N/A	N/A	N/A
Crew	Reginald	White	15:00		N/A	N/A	N/A
<u></u>			17:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			N/A		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
<u></u>			HcL Acid Sodium Hydroxide	0	4,700 2,455	4,550 2,080	No No
Visitors:	Bo Jac	kson	30didili Hydroxide	- 0	2,433	2,000	NU
Visitors:						*****	
Visitors:							
Vere there any abnorm roseidon tank off locati			e? on has been on standby unti	l leaks can be	repaired		
ro thoro are addition	al supplies/eq	ulpment neede	d? If so, what items and w	hen?			
lo							
lo		current sched	ule, including volumes nec	eded by client		200 200 200 200 200 200 200 200 200 200	
o lave there been any c	er request			eded by client		xTO	

should be able to start cleaning water on Friday 31st Day Of August 2012, sometime that evening.

Date:	9/2	1/2012		Panori	Number:		32
Date:	8/3	1/2012			lumber:		8
				Citik	tuniber:		
Client:		сто		- S	hift Onsite Time:	12:00:00PM	am/pn
Location:	Na	sh 29		5	hift Offsite Time:	0:00	am/pn
Site Contact:	Bo J	ackson				12 hrs	Total hr
Site Contact:	Samı	ny Dean		Present	Onsite Activities:	Process	ing Water
Processing Hrs To	oday:	10 hrs	Cumulati	ve Processing	Hrs:	318	hrs
BBLS Processed T		5,125 bbls	Cumulativ	e BBLS Proce	ssed:	138,70)5 bbls
BBLS/Hr Process		512.5		BBLS/Hr Proc		436.2	bbl/hr
Lead Supervisor:	Samr	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		s Perry	14:00		110	5.31	0,116
Crew		ald White	16:00		110	6.54	0.864
patentine -			18:00		110	7.01	0.747
	······································	······································	20:00		110	6.57	1.8
			22:00	†	110	7.2	2.12
			N/A		N/A	N/A	N/A
			***************************************	<u> </u>			
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	4,550	4,200	No
			Sodium Hydroxide	0	2,080	1,800	No
Visitors:	Bo J	ackson					
Visitors:							
Visitors:							
ere there any abnorm					384	The state of the s	
e there any additiona	l supplies	equipment neede	d? If so, what items and	when?		2990 Cha	
	anges to t	he current sched	ule, including volumes n	eeded by client	?		
ive there been any cf							
ove there been any ch							
s client provided an	operation	al feedback (pos	itive or negative)?		- Marie Control	10: 4 thos. 124 4800	algorithm and
s client provided an	operation	al feedback (pos	itive or negative)? Company:		SALES TO SAL	хто	
s client provided an	operation	al feedback (pos		land the second	many.	хто	

tanks level is down to 4 inches.

Date:	9/1	1/2012	l l	Report	Number:		33
	3) .	1/2012			lumber:		8
			_				
Client:		XTO		S	hift Onsite Time:	12:00:00AM	am/pm
Location:	Na	ash 29		S	hift Offsite Time:	21:00	am/pm
Site Contact:	Во	Jackson			3.5	11 hrs	Total hrs.
Site Contact:	Sami	my Dean		Present	Onsite Activities:	Process	ing Water
Processing Hrs	Today:	9 hrs	Cumulativ	e Processing	Hrs:	327	hrs
BBLS Processed		6,101 bbls		BBLS Proces		139,68	31 bbls
BBLS/Hr Proces	-	512.5		BLS/Hr Proc			bbl/hr
Lead Supervisor:	Same	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		is Perry	00:00	//OTF DECK	110	6.8	0.886
Crew		ald White	02:00		110	7	0.968
	rogin		13:00		110	7.65	1.11
-	·		15:00		110	7.26	1.26
-			17:00	···	110	6.8	1.57
-			19:00		110	6.654	2.47
			21:00		110	6.75	2.23
<u> </u>			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	4,200	3,800	No
		, , , , , , , , , , , , , , , , , , ,	Sodium Hydroxide	0	1,800	1,500	Yes
Visitors:	Bo J	lackson					
Visitors:							
Visitors:							
Were there any abnor	mal operation	onal issues onsite	?	1114	1000年		24
No							
				•			
	nal supplies	/equipment neede	d? If so, what items and w	/hen?			
	nal supplies	/equipment neede	d? If so, what items and v	/hen?		75	EQACTOR STATE
	nal supplies	/equipment neede	d? If so, what items and w	rhen?			
No							erc I
No Have there been any (d? If so, what items and w		?	· ·	
No					?		
lave there been any a	changes to t	the current sched	ule, including volumes ne				
lave there been any a No las client provided a	changes to t	the current sched	ule, including volumes ned	eded by client	?	VIO.	TE
No Have there been any (changes to t	the current sched	ule, including volumes ne			хто	

	9/2	/2012		Report	Number:	8	14
Date:		·	!		lumber:		8
Client:		то	I	S	hift Onsite Time:	6:00:00AM	am/pn
Location:		sh 29		S	hift Offsite Time:	18:00	am/pn
Site Contact:	Bo J	ackson		j. 75. –	West Control	12 hrs	Total hr
Site Contact:	Samr	ny Dean	1	Present	Onsite Activities:	Processi	ng Water
Processing Hrs	Today:	8 hrs	Cumulativ	e Processing	Hrs:	335	hrs
BBLS Processed		4,483 bbls		BBLS Proces		138,06	3 bbls
BBLS/Hr Proce		512.5	Cumulative I	412.1	bbl/hr		
Lead Supervisor:	Samr	ny Dean	Readings:	flow back	Volts/Amps	рΗ	Turbidi
Lead Operator	Kenn	eth Erler	08:00		108	7.56	1.15
Crew	Fermi	n Valdez	10:00		108	7.35	1.12
_			12:00		108	7.89	1.37
			14:00		108	7.46	1.24
F			16:00:00 PM		108	6.8	1.57
-			18:00:00 PM		108	6.654	2.47
			Chemical	Usage	Start Inv.	End Inv.	On Ord
L			HcL Acid	0	3,800	3,500	No
			Sodium Hydroxide	0	1,500	1,200	Yes
Visitors:	Bo J	ackson					
Visitors:							
ere there any abnor	mal operation	onal issues onsite	73 202 502	ž.,			
	nal supplies	equipment neede	d? If so, what items and w	rhen?			
ave there been any			d? If so, what items and v		2	y May 13 y	
ave there been any	changes to t	he current sched	ule, including volumes ne		2.		
ave there been any	changes to t	he current sched	ule, including volumes ne tive or negative)?		?	Mu, 5	
0	changes to t	he current sched	ule, including volumes ne		?		

Date:	9/3/	/2012		Repor	t Number:		85
					Number:		8
	· · · · · · · · · · · · · · · · · · ·					6.00.00111	,
Client:		то			Shift Onsite Time:	6:00:00AM	am/pm
Location:		sh 29			hift Offsite Time:	19:00	am/pm
Site Contact: Site Contact:		eckson y Dean		Present	Onsite Activities:	11 hrs Process	Total hr
		2					
Processing Hrs	Today:	6 hrs		e Processing		341	hrs
BBLS Processed	Today:	4,394 bbls		e BBLS Proce		137,9	74 bbls
BBLS/Hr Proce	ssed:	512.5	Cumulative	BBLS/Hr Proc	essed:	404.6	bbl/hr
Lead Supervisor:	Samm	y Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	Kenne	th Erler	08:00		108	6.86	0.886
Crew	Fermin	Valdez	10:00		108	6.9	0.965
	Eddie N	/IrGruder	12:00		108	7.54	1.116
	Ray	Lee	14:00		108	7.68	1.24
<u> </u>			16:00:00 PM		108	7.43	1.032
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	3,500	3,200	No
			Sodium Hydroxide	0	1,200	900	Yes
Visitors:	Bo Ja	ckson					
Visitors:							
Visitors:					<u>l</u>		
ere there any abno 0	rmal operatio	nal issues onsite	《 ····································		***		
e there any additio	nal supplies/e	quipment neede	d? If so, what items and v	when?			
	changes to th	e current schedu	ile, including volumes ne	eded by client	17		
	ny operationa	il feedback (posit	tive or negative)?				
as client provided a			Company:			хто	
as client provided a Person:							
•							

No Section Code		12.2.2					96
Date:	9/4	/2012			Number:		86 8
				OIII. I	tumber.		
Client:	· · · · · · · · · · · · · · · · · · ·	кто		S	hift Onsite Time:	6:00:00AM	am/pr
Location:	Na	ısh 29		S	hift Offsite Time:	18:00	am/pr
Site Contact:	Bo J	lackson				12 hrs	Total h
Site Contact:	Samr	ny Dean		Present	Onsite Activities:	Process	ing Water
Processing Hrs T	odave	9 hrs	Cumulativ	e Processing	Hre	350	hrs
BBLS Processed T		4,844 bbls		BBLS Proce			24 bbls
BBLS/Hr Process		512.5		BBLS/Hr Proc			bbl/hr
	1						
Lead Supervisor:	Samr	ny Dean	Readings:	flow back	Volts/Amps	pH	Turbidi
Lead Operator		eth Erler	08:00		108	7.89	2.12
Crew		n Valdez	10:00		108	6.9	0.892
	Ra	ıy Lee	12:00		108	7.35	0.992
			14:00		108	7.55	1.69
			16:00:00 PM		108	7.12	1.21
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	0	3,200	2,900	No
			Sodium Hydroxide	0	900	600	Yes
Visitors:	Bo J	ackson					
Visitors:							
Visitors:							
			4				
ere there any abnorn	ial operation	nal issues onsite			198		
0							
						SALLEY - HOMENEY (No.)	
	ıl supplies/	equipment neede	d? If so, what items and v	when?			
re there any additions	ıl supplies/	equipment neede	d? If so, what items and v	when?			ni.
	ıl supplies/	equipment neede	d? If so, what items and v	when?			
0							
o ave there been any cl			d? If so, what items and v		?	75. 1.	
0					?	79 15	
o ave there been any cl					?	Al physical states and the states are the states and the states and the states are the states and the states and the states are the states and the states are the states and the states are the states and the states are the states and the states are the states and the states are the states are the states and the states are the states ar	
o ave there been any c l o	hanges to t	he current schedu	ule, including volumes ne		?	Al physical states and the states are the states and the states and the states and the states are the states and the states are the states and the states are the states and the states are the states and the states are the states and the states are the states and the states are the states are the states and the states are the states ar	
ave there been any cloo o as client provided an	hanges to t	he current schedu	ule, including volumes ne tive or negative)?		?	App.	
ave there been any cloo as client provided an Person:	hanges to t	he current schedu	ule, including volumes ne			APA XTO	
ave there been any cloo o as client provided an	hanges to t	he current schedu	ule, including volumes ne tive or negative)?		?	XTO	
ave there been any cloo as client provided an Person:	nanges to t	he current schedu	ule, including volumes ne tive or negative)?			XTO	

					····		
Date:	9/5	/2012		Report	l Number:		87
	······································				Number:		8
Client:	×	то		9	Shift Onsite Time:	6:00:00AM	am/pm
Location:	Na	sh 29		S	hift Offsite Time:	0:00	am/pm
Site Contact:	Bo J	ackson				18 hrs	Total hrs.
Site Contact:	Samn	ny Dean		Present	Onsite Activities:	Process	ing Water
Processing Hrs		12 hrs		re Processing		362	hrs
BBLS Processed		5,113 bbls	Cumulativ	e BBLS Proce	ssed:	163,6	40 bbls
BBLS/Hr Proce	essed:	512.5	Cumulative	BBLS/Hr Proc	essed:	452.0	bbl/hr
						-11	T 1:25
Lead Supervisor:		ny Dean	Readings:	flow back	Volts/Amps	pH C.E.4	Turbidity
Lead Operator		eth Erler	08:00		108	6.54	0.158
Crew		n Valdez	10:00 12:00		108	6.84 7.25	0.872
 -		y Lee			108	7.25	1.01 1.15
-		Pollard //cGruder	14:00		108		
-	Eddle	vicGruder	20:00		108 108	7.21	1.21
-			22:00	I	108	7.85	1.52
-			Chemical	Usage	Start Inv.	End Inv.	On Order
-			HcL Acid	Osage 0	2,900	2,500	No
L			Sodium Hydroxide	0	600	1,425	Yes
Visitors:	Bo I	ackson	Soutain Hydroxide		000	1,423	163
Visitors:		ackson.		l			
Visitors:				· · · · · · · · · · · · · · · · · · ·			
				1			
Were there any abno	ormal operation	nal lecues onsite	?				
No	amai operado	ridi issues olisite	•				
110							
Are there any addition	nnal sunniles/	equipment neede	d? If so, what items and	when?			
No	mai supplies	equipment neede	u : 11 30, milat licilis alia i	mich.			
			·				
Have there been any	changes to ti	he current schedu	ule, including volumes ne	eded by client	?		
No	gez						
					· · · · · · · · · · · · · · · · · · ·		
Has client provided	any operation	al feedback (posi	tive or negative)?				
Person:			Company:			хто	
No					-		
Additional Com	iments						
Performed IAS everyo	one aware of th	neir task for today	Worked on house keeping	Took 4 totes of	of Caustic from va	rd. Load of Car	Istic will arrive
	and 1000 have	•		son riolest	Jaastio mons ya	, 2005 Or Cat	TOTAL PRINT OFFITE

tomorrow evening around 1800 hours NMT.

Date:	9/6/2012		Report	Number:		88	
				Number:		8	
Client:	хто		es de s	hift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 29		S S	hift Offsite Time:	0:00	am/pm	
Site Contact:	Bo Jackson		777	\$4 July 196	18 hrs	Total hrs.	
Site Contact:	Sammy Dean		Present	Onsite Activities:	Process	sing Water	
Processing Hrs To	oday: 6 hrs	Cumulativ	e Processing	Hrs:	368	hrs	
BBLS Processed T			BBLS Proce		166,4	26 bbls	
BBLS/Hr Process	sed: 512.5	Cumulative I	3BLS/Hr Proc	essed:	452.2 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity	
Lead Operator	Kenneth Erler	08:00		108	7.21	0.897	
Crew	Fermin Valdez	10:00		108	6.54	0.123	
	Ray Lee	12:00		108	7.54	0.998	
	Adam Pollard	14:00	***************************************				
	Eddie McGruder	20:00					
		22:00					
		Chemical	Usage	Start Inv.	End Inv.	On Order	
		HcL Acid	0	2,500	2,350	Yes	
		Sodium Hydroxide	0	1,425	6,200	No	
Visitors:	Bo Jackson						
Visitors:							
Visitors:			4-1111111111111111111111111111111111111	<u> </u>			
ere there any abnorm	nal operational issues onsite	? (b) (c)		N. CORE	475		
)							
	- Hilling - Lines						
	al sumplies/equipment neede	d? If en, what items and w	trans				
	al supplies/equipment neede	d? If so, what items and w	hen?		The Mary	The same of the sa	
e there any additiona	al supplies/equipment neede	d? If so, what items and w	hen?	Angelon Sec.	All and	Application of the state of the	
e there any additiona				*	Yu. She		
e there any additiona	al supplies/equipment neede			?	Phys. Ben.	Manager and the second	
e there any additiona ve there been any ch	hanges to the current schedu	ile, including volumes nec		↑ 10 10 10 10 10 10 10 10 10 10 10 10 10	Philosophia and the second	Manager Automotive State of the	
e there any additiona		ile, including volumes nec		?	XTO	Manager State of the state of t	
e there any additiona we there been any ch	hanges to the current schedu	ile, including volumes ned		?	XTO		

Date:	9/7	/2012		Report	Number:		39	
					lumber:		8	
Client:	X	то		S	hift Onsite Time:	6:00:00AM	am/pm	
Location:		sh 29			nift Offsite Time:	0:00	am/pm	
Site Contact:		ackson				18 hrs	Total hrs.	
Site Contact:		ny Dean			Onsite Activities:		ing Water	
Processing Hrs T	odav:	12 hrs	Cumulativ	e Processing	Hrs:	380	hrs	
BBLS Processed		6,480 bbls		BBLS Proces			06 bbls	
BBLS/Hr Proces		512.5		BBLS/Hr Proc		455.0 bbi/hr		
Lead Supervisor:	Samn	ny Dean	Readings:	flow back	Volts/Amps	pН	Turbidity	
Lead Operator		eth Erler	10:00		108	6.75	0.456	
Crew	Fermir	n Valdez	12:00		108	6.89	0.573	
	Ra	y Lee	14:00		108	6.69	0.654	
	Adam	Pollard	16:00		108	7.32	0.768	
	Eddie N	/lcGruder	18:00		108	7.78	1.189	
			20:00		108	7.5	0.975	
			22:00		108	7.25	0.9	
			Chemical	Usage	Start Inv.	End Inv.	On Order	
			HcL Acid	0	2,350	1,900	Yes	
			Sodium Hydroxide	0	6,200	5,800	No	
Visitors:	Bo Ja	ackson						
Visitors:								
Visitors:			<u>L</u>					
Vere there any abnorr			_					
frown bear went down,	went to Ode	ssa picked up ano	ther unit.					
	al supplies/	equipment neede	d? If so, what items and v	vnen?				
re there any addition lo								

o ave there been any c	hang es to tl	ne current schedu	ale, including volumes ne	eded by client	P Constant			
o ave there been any c	hanges to th	ne current schedu	ale, including volumes ne	eded by client	and the same of th			
ave there been any c			tive or negative)?	eded by client	Casterial Transcriptor			
lo				eded by client	Passental Transferre	хто		

09-07-2012. XTO is hauling in fresh water for this Frac Job.

	9/8	/2012		Report	Number:	,	90
Date:	3,0	,,2012			Number:		8
Client:	>	сто		S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Na	sh 29		S	hift Offsite Time:	0:00	am/pm
Site Contact:	Boj	ackson				18 hrs	Total hr
Site Contact:	Samr	ny Dean		Present	Onsite Activities:	Process	ing Water
Processing Hrs	Today	16 hrs	Climulativ	e Processing	Hre.	396	hrs
BBLS Processed		6.480 bbls		BBLS Proce			6 bbls
BBLS/Hr Proce		512.5		BBLS/Hr Proc			bbl/hr
DDES//II / FOCE	33EU.	312.3	Cumulauve	BBC3/III F10C	eaacu.	455.0	DOWN
Lead Supervisor:	Samn	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		eth Erler	10:00		108	7.12	0.789
Crew		n Valdez	12:00		108	7.34	0.889
		y Lee	14:00		108	7.54	0.987
-		Pollard	16:00		108	7.32	0.785
		McGruder	18:00		108	7.43	0.975
			20:00		108	7.5	1.189
			22:00		108	7.25	1.115
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	6,400	6,000	NO
			Sodium Hydroxide	0	5,800	5,550	No
Visitors:	Bo J	ackson					
Visitors:							
Visitors:							
	mal operatio	onal issues onsite	? or	100			
Vere there any abnor	mal operatio	onal issues onsite	?	102	S S		
ere there any abnor	mal operatio	onal issues onsite	? w modernick	- N. 7.		<u> </u>	
ere there any abnor	mal operatio	onal issues onsite	?	Pp. 75		99;	
ere there any abnor	mal operatio	onal issues onsite	?	Ph. 75	150 Tal.	101111111111111111111111111111111111111	
fere there any abnor o				vhen?			
fere there any abnor o			? d? If so, what items and w	vhen?			
fere there any abnor				vhen?			
fere there any abnor				vhen?			
ere there any abnor	nal supplies/	equipment neede	d? If so, what items and v		109		
ere there any abnor	nal supplies/	equipment neede			109		
re there any addition	nal supplies/	equipment neede	d? If so, what items and v		109		
re there any addition	nal supplies/	equipment neede	d? If so, what items and v		109		
re there any addition	nal supplies/	equipment neede he current schedu	d? If so, what items and v		109		
fere there any abnor re there any addition ave there been any o	nal supplies/	equipment neede he current schedu	d? If so, what items and v		2 40 H		
re there any addition ave there been any o	nal supplies/	equipment neede he current schedu	d? If so, what items and value of negative)?		2 40 H		
re there any addition ave there been any of the control of the co	nal supplies/	equipment neede he current schedu	d? If so, what items and value of negative)?		2 40 H		

Client: Location: Site Contact: Site Contact:	9/9/2012 XTO Nash 29 Bo Jackson]		t Number: Number:		91 8
Location: Site Contact:	Nash 29]				
Location: Site Contact:	Nash 29	┪	5	hift Onsite Time:	6:00:00AM	am/pm
	Po Jackson]		hift Offsite Time:	18:00	am/pm
Site Contact:	DO Jackson	1			12 hrs	Total hrs.
	Sammy Dean		Present	Onsite Activities:	Process	sing Water
Processing Hrs Too	day: 3 hrs	Cumulativ	e Processing	Hrs:	399	hrs
BBLS Processed To			BBLS Proce			16 bbls
BBLS/Hr Processe		_	BBLS/Hr Proc			bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Kenneth Erler	10:00		108	7.56	0.895
Crew	Eddie McGruder	12:00		108	6.89	0.437
	Ray Lee	13:00		108	7.32	0.875
	Adam Pollard	16:00		N/A	N/A	N/A
		18:00		N/A	N/A	N/A
		20:00		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	6,000	5,950	NO
		Sodium Hydroxide	0	5,550	5,400	No
Visitors:	Bo Jackson					
Visitors:		-		-		-
Visitors:						<u> </u>
						····
Mare there any abnorms	il operational issues ons	ita?				
vere there any abnorma	ii operauonai issues oris	ire:				
	supplies/equipment need	ded? If so, what items and v	vhen?			
No.						
		dule, including volumes ne				
iave there been any cha lo	inges to the current sche	dule, including volumes he	eded by Chem			
	operational feedback (po					
Person:		Company:			XTO	
No.						
Additional Commer	nts					

Date:	9/10	0/2012		Report	Number:		92
					Number:		8
Client:	>	кто		the S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Na	ısh 49		S S	hift Offsite Time:	18:00	am/pm
Site Contact:		lackson		77		12 hrs	Total hrs.
Site Contact:	Samr	ny Dean	L	Present	Onsite Activities:	Process	ing Water
		4 1	C. C. C. C. C. C. C. C. C. C. C. C. C. C	B	Üre.	403	hrs
Processing Hrs To BBLS Processed T		4 hrs 2,277 bbls		BBLS Proce			93 bbis
BBLS/Hr Process		512.5		BLS/Hr Proc			bbl/hr
BBLS/Fit Flucess	seu.	312.5	Guinmauve i	JOE STILL FROM	easeu.	400.0	DOM
Lead Supervisor:	Samr	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Kenn	eth Erler	10:00		110	7	0.198
Crew	Eddie	McGruder	12:00		110	7.43	0.089
	Ra	ıy Lee	13:00		N/A	N/A	N/A
	Adam	Pollard	16:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
<u> </u>			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	5,950	5,800	NO
<u></u>			Sodium Hydroxide	0	5,400	5,250	No
Visitors:	Bo J	ackson					
Visitors:							
		I					
Visitors:					·		
Visitors:							
Vere there any abnorm	nal operatio	onal issues onsite	• ? scaller — 460 — 500		1. Br. 916	736 Server (1)	1000
Vere there any abnorm	nal operatio	onal issues onsite	7:01.01			938ar - 97344	
Visitors: Were there any abnorm	nal operatio	onal issues onsite	7 = € 1 1 1 1 1 1 1 1 1 1				
Vere there any abnorm	nal operatio	onal issues onsite	2 C. II. S		Albara Maria	Planting Charles	
Nere there any abnorm						2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
Vere there any abnorm			e? ed? If so, what items and w	/hen?	104.	3 der 524 ; 46	
Vere there any abnorm				then?		3 day 2017.	
Vere there any abnorm to Are there any additiona				then?			
Vere there any abnorm No Are there any additional EVC SCH 80	al supplies/	equipment neede	ed? If so, what items and w				10.00
Vere there any abnormals We there any additional VC SCH 80	al supplies/	equipment neede					
Vere there any abnormals Are there any additional PVC SCH 80	al supplies/	equipment neede	ed? If so, what items and w				
Were there any abnormation of the second of	al supplies/	equipment neede	ed? If so, what items and w			191	
Were there any abnormals Are there any additional PVC SCH 80 Have there been any characters	al supplies/ hanges to t	lequipment neede he current sched	ed? If so, what items and w			Tar.	
Were there any abnormals Are there any additional PVC SCH 80	al supplies/ hanges to t	lequipment neede he current sched	ed? If so, what items and w			хто	
Were there any abnormal No. Are there any additional PVC SCH 80. Have there been any characteristics.	al supplies/ hanges to t	lequipment neede he current sched	ed? If so, what items and w ule, including volumes nee itive or negative)?				
Vere there any abnormals Are there any additional over SCH 80 lave there been any characteristics and the second of the second	al supplies/ hanges to t	lequipment neede he current sched	ed? If so, what items and w ule, including volumes nee itive or negative)?				

	9/11/2012	2		Report	Number:		93	
Date:	3/11/2017				lumber:		8	
Client:	хто			Ç	hift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 49				nift Offsite Time:	1:00 PM	am/pm	
Site Contact:	Bo Jackso			White Control	inconside time.	5 hrs	Total hrs.	
Site Contact:	Sammy De			Present 0	Onsite Activities:		ing Water	
Processing Hrs 1	odav: 1	hrs	Cumulati	ve Processing	Hrs:	404	hrs	
BBLS Processed		5 bbls		e BBLS Proces			28 bbls	
BBLS/Hr Proces		512.5	Cumulative BBLS/Hr Processed:			455.0 bbl/hr		
Lead Supervisor:	Sammy Dea	an	Readings:	flow back	Volts/Amps	ρΗ	Turbidity	
Lead Operator	Ray Lee		10:00		110	7	0.198	
Crew	Eddie McGru	ıder	12:00		N/A	N/A	N/A	
			13:00		N/A	N/A	N/A	
			16:00		N/A	N/A	N/A	
<u></u>			18:00		N/A	N/A	N/A	
-			20:00	l	N/A	N/A	N/A	
			Chemical	Usage	Start Inv.	End Inv.	On Order	
L.			HcL Acid	0	5,800	5,750	NO	
			Sodium Hydroxide	0	5,250	5,200	No	
Visitors:	Bo Jackso	n						
Visitors:								
Visitors:								
Were there any abnor	mal onerational is	euse spelts?		managa, programme				
No			1? If so, what items and	when?	E de la la la la la la la la la la la la la			
Are there any addition PVC SCH 80								
PVC SCH 80								
PVC SCH 80	hanges to the cu	rrent schedul	le, including volumes ne	eded by client)	VHRHET	2,000	
PVC SCH 80 Have there been any c	hanges to the cu	rrent schedu	le, including volumes ne	eded by client	>	NEW CONTRACTOR		
Have there been any o			ive or negative)?	eded by client				
PVC SCH 80 Have there been any o						хто		

				***************************************			<u>v</u>
Date:	9/1	2/2012			t Number:		94
				Unit	Number:		8
						,	
Client:		хто			Shift Onsite Time:		am/pm
Location:		ash 49		5	hift Offsite Time:		am/pm
Site Contact:		Jackson		Descent	Onsite Activities:	12 hrs	Total hrs. sing Water
Site Contact.	Sami	my Dean		Present	Onsite Activities.	Process	ang water
Processing Hrs To	oday:	6 hrs	Cumulativ	ve Processing	Hrs:	410	hrs
BBLS Processed T		2,513 bbls	Cumulative BBLS Processed: 186,341				
BBLS/Hr Process	ied:	512.5	Cumulative	BBLS/Hr Proc	essed:	454.5	bbl/hr
Lead Supervisor:	Sami	my Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator		ay Lee	10:00	110W Duck	110	7	0.198
Crew		McGruder	12:00		110	7.65	0.285
	······	7	14:00		110	7.24	1.893
			16:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
			Chemical	Lieran	Start Inv.	End Inv.	On Order
			HcL Acid	Usage 0	5,750	5,500	NO
			Sodium Hydroxide	0	5,200	5,000	No
Visitors:	Bo J	Jackson	Sociali III aromae		3,200	3,000	
Visitors:							
Visitors:							
ere there any abnorm	al operation	onal issues onsite	7		3.6		E control
o							
re there any additiona	supplies	/equipment neede	d? If so, what items and v	when?	The state of		5. WANTAGE
VC SCH 80	. таррисо.				A STATE OF THE STA		
A				A			
ave there been any ch	anges to t	he current schedi	ule, including volumes ne	eded by client	?	Section of the last	
0							
	30 mm mil. 200	Cara - Ca					
as client provided any	operation	al feedback (posi					21 Y
as client provided any Person:	operation	nal feedback (posi	tive or negative)? Company:			хто	
		nal feedback (posi				хто	

9.444.0	0/13	/2012		Panort	Number:		95
Date:	9/13	3/2012			lumber:		8
Client:	×	TO		S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Na	sh 49		S	hift Offsite Time:	18:00:00 PM	am/pm
Site Contact:	Bo J	ackson		100	60 166	12 hrs	Total hrs.
Site Contact:	Samn	ny Dean		Present	Onsite Activities:	Process	ing Water
Processing Hrs	Today	6 hrs	Cumulativ	re Processing	Hrs:	416	hrs
BBLS Processed		2,206 bbls	Cumulative BBLS Processed:			188,547 bbls	
BBLS/Hr Proce		512.5		BBLS/Hr Proc		453.2	bbl/hr
Lead Supervisor:	Samo	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator		y Lee	10:00	note back	110	6.89	1.785
Crew		McGruder	12:00		110	7.24	0.896
MATAGO TO MATAGON	200,01		14:00		110	7.13	0.987
-			16:00		N/A	N/A	N/A
-			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
⊢			HcL Acid	0	5,750	5,500	NO
<u></u>			Sodium Hydroxide	0	5,200	5,000	No
Visitors:	Bo J	ackson	Socialitifyaroxide		3,200	3,000	- 110
Visitors:							
Visitors:							
Vere there any abnor	mal operatio	onal issues onsite	?	XE			ingue (*)
tre there any addition	nal supplies/	equipment neede	d? If so, what items and v	when?	draway, Tanana a	Mary May 1	- 1988 (1988
lave there been any	changes to t	he current schedu	ule, including volumes ne	eded by client	?		i Angerta
	ny operation	al feedback (nosi	tive or negative\?				
las client provided a	,	(posi			Y CONTROL OF THE PARTY OF THE P	VTO	
las client provided a Person:			Company:			хто	

Date:	0/1	4/2012		Banad	Nicologi		96
Date.	9/1	4/2012			Number: lumber:		8
Client:		хто		S	nift Onsite Time:	6:00:00AM	am/pm
Location:		ash 49			ift Offsite Time:		am/pm
Site Contact:	Bo J	Jackson		ah ili a		12 hrs	Total hrs.
Site Contact:	Samı	my Dean		Present 0	Onsite Activities:	Process	ing Water
Processing Hrs T		6 hrs		re Processing		416	hrs
BBLS Processed T		2,206 bbls		e BBLS Proces			47 bbls
BBLS/Hr Process	sed:	512.5	Cumulative	BBLS/Hr Proce	essed:	453.2	bbl/hr
Lead Supervisor:	Samr	my Dean	Readings:	flow back	Volts/Amps	ρН	Turbidity
Lead Operator		n Pollard	10:00		110	6.89	1.785
Crew		y Lee	12:00		110	7.24	0.896
			14:00		110	7.13	0.987
			16:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
			are en Mar			F. 41.	0-0-4
			Chemical HcL Acid	Usage	Start Inv.	End Inv.	On Order NO
<u> </u>			Sodium Hydroxide	0	5,750 5,200	5,500 5,000	No
		la alvana	Soulum Hydroxide	- 0	3,200	3,000	140
Visitore*	Ro. I						
Visitors:	Bo J	ackson					
Visitors:	Bo J	Jackson					
	Bo J	ackson			-		
Visitors:	Bo J	ackson					
Visitors: Visitors: Were there any abnorn			?			Store the state of	
Visitors: Visitors: Were there any abnorn			?		Star Supplement of the Control of th	THE PARTY.	
Visitors: Visitors: Were there any abnorm	nal operatio	onal issues onsite					
Visitors: Visitors: Were there any abnorn No Are there any additional	nal operatio	onal issues onsite	? d? If so, what items and v			THE THE STATE OF T	
Visitors: Visitors: Were there any abnorn No Are there any additional	nal operatio	onal issues onsite					
Visitors: Visitors: Were there any abnorm No Are there any additional	nal operatio	onal issues onsite	d? If so, what items and \	when?	- 391 - 792 - 291 - 792	ja ja	19 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -
Visitors: Visitors: Were there any abnorm No Are there any additionary C SCH 80 Have there been any cl	nal operatio	onal issues onsite		when?	- 391 - 792 - 291 - 792	ja ja	The state of the s
Visitors: Visitors: Were there any abnorm No Are there any additionary C SCH 80 Have there been any cl	nal operatio	onal issues onsite	d? If so, what items and \	when?	- 391 - 792 - 291 - 792	ja ja	19 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -
Visitors: Visitors: Were there any abnorm No Are there any additional PVC SCH 80 Have there been any cl	nal operational supplies.	onal issues onsite equipment needed	d? If so, what items and v	when?	304 300 200 14 300 200 14 300	ja ja	7
Visitors: Visitors: Were there any abnorm No Are there any additional PVC SCH 80 Have there been any cl	nal operational supplies.	onal issues onsite equipment needed	d? If so, what items and values items and values items are new the control of the	when?	- 391 - 792 - 291 - 792	34 <u>Ju</u>	7
Visitors: Visitors: Were there any abnorm No Are there any additional PVC SCH 80 Have there been any cl	nal operational supplies.	onal issues onsite equipment needed	d? If so, what items and v	when?	304 300 200 14 300 200 14 300	ja ja	7 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1
Visitors: Visitors: Were there any abnorm No Are there any additional PVC SCH 80 Have there been any cl	nal operational supplies. hanges to to the supplies of the supplies operation operati	onal issues onsite equipment needed	d? If so, what items and values items and values items are new the control of the	when?	304 300 200 14 300 200 14 300	34 <u>Ju</u>	7 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1

Date:	9/15/2012		Report	Number:	9	97
Date.	3/13/2012			lumber:		8
						-
Client:	XTO		S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Nash 49			hift Offsite Time:	18:00:00 PM	am/pm
Site Contact:	Bo Jackson			W. 192	12 hrs	Total hrs
Site Contact:	Sammy Dean		Present (Onsite Activities:	Mainte	enance
Processing Hrs To	odav: 0 hrs	Cumulativ	e Processing	Hre.	416	hrs
BBLS Processed T			BBLS Proces			7 bbls
BBLS/Hr Process			BBLS/Hr Proce			bbl/hr
	92000					
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator	Adam Pollard	10:00		N/A	N/A	N/A
Crew	Ray Lee	12:00		N/A	N/A	N/A
		14:00		N/A	N/A	N/A
		16:00		N/A	N/A	N/A
		18:00		N/A	N/A	N/A
		20:00		N/A	N/A	N/A
-	A District of the Control of the Con	Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	0	5,500	5,500	NO
		Sodium Hydroxide	0	5,000	5,000	No
Visitors:	Bo Jackson					
Visitors:						
Visitors:						
	nal operational issues onsite	4	7.00	44	1052	
	al supplies/equipment neede	d? If so, what items and v	vhen?	1000	7 SHH	Matte-F
VC SCH 80						
			· 			
		ule including volumes no	aded by cliest	2	SA LENDANI	3247
ave there been any c	handes to the current school	ale, including volumes ne	edta by chem	•	***************************************	
ave there been any cl	hanges to the current sched					
ave there been any c	hanges to the current sched					
	hanges to the current sched		,			
as client provided an	hanges to the current schedi y operational feedback (posi		20000		And Address (April 1987)	
0		itive or negative)? Company:	and the second		хто	
as client provided an				*(1)		

100.00						
Date:	9/16/2012			Number:		98
			Unit	Number:		8
Client:	хто	ו ר	S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Nash 49]	6 0 1 Mars 1 5	hift Offsite Time:	18:00:00 PM	am/pm
Site Contact:	Bo Jackson] !	4.1	100	12 hrs	Total hrs.
Site Contact:	Sammy Dean		Present	Onsite Activities:	Mainte	enance
Processing Hrs T	oday: 0 hrs	Cumulativ	e Processing	Hrs:	416	hrs
BBLS Processed 1			BBLS Proce		188,54	7 bbls
BBLS/Hr Proces	sed: 512.5	Cumulative I	BBLS/Hr Proc	essed:	453.2	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Adam Pollard	10:00		N/A	N/A	N/A
Crew	Ray Lee	12:00	A	N/A	N/A	N/A
		14:00		N/A	N/A	N/A
		16:00		N/A	N/A	N/A
_		18:00		N/A	N/A	N/A
-		20:00		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	0	5,500	5,500	NO
		Sodium Hydroxide	0	5,000	5,000	No
Visitors:	Bo Jackson					
Visitors:		-				
Visito/s.						
Vere there any abnor	mal operational issues onsi	ite?	9			1000
lo						
					7.000000	
	al supplies/equipment need	ded? If so, what items and w	vhen?	/lip		
PVC SCH 80					-	
lave there been any c	hanges to the current sche	edule, including volumes ne	eded by clien	17		
lo	v operational feedback (po	sitive or negative)?				
lo	ny operational feedback (po	ositive or negative)? Company:			хто	
las client provided an			don Tank.		хто	

Date:	9/17/2012		Penor	Number:		99
- Juici	3/11/2012			Number:		8
Client:	XTO		<u> </u>	hift Onsite Time:	6:00:00AM	am/pm
Location:	Nash 49		S	hift Offsite Time:	18:00:00 PM	am/pm
Site Contact:	Bo Jackson				12 hrs	Total hrs.
Site Contact:	Sammy Dean		Present	Onsite Activities:	Maint	enance
	1 0 5-	AU-101-8	·/>	••==	116	£
Processing Hrs T BBLS Processed T			ve Processing e BBLS Proces		416	hrs 47 bbls
BBLS/Hr Process			BBLS/Hr Proc			bbl/hr
DDL3/III F Toces.	sea. J12.0	Cumulative	DULGITH FIOL	cascu,	433.2	DDI/III
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	Eddie McGruder	10:00		N/A	N/A	N/A
Crew	Ray Lee	12:00		N/A	N/A	N/A
		14:00		N/A	N/A	N/A
		16:00		N/A	N/A	N/A
		18:00		N/A	N/A	N/A
_		20:00		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	5,500	5,500	NO
L-1111		Sodium Hydroxide	0	5,000	5,000	No
Visitors:	Bo Jackson					
Visitors:						
Visitors:						
	nal operational issues onsite	7	II GARAGO	44		3.4
No						
re there any additiona	al supplies/equipment neede	d? If so, what items and v	when?	100	Na part	
VC SCH 80		•				
	nanges to the current ached	ile, including volumes ne	eded by client	?		17300
	ianges to the current schedt					
lave there been any ch lo	nanges to the current schedt					
	neinges to the current schedi					
No				The second secon		
lo las client provided an	y operational feedback (posit			was 2 America	Appeared a second	As Las
las client provided any Person:	y operational feedback (posit	Company:	don Tank		хто	26
las client provided any Person:		Company:	don Tank.	Sassa	хто	
las client provided any Person:	y operational feedback (positing to gravity feed clean water fr	Company:	don Tank.	sasas Zuomilis	XTO	

Date:	9/1	8/2012		Report	Number:	1	00
		9,1001			Number:		8
			'				
Client:		кто		State S	hift Onsite Time:	6:00:00AM	am/pn
Location:	Na	ısh 49		s S	hift Offsite Time:	18:00:00 PM	am/pn
Site Contact:	Во	lackson				12 hrs	Total hr
Site Contact:	Sami	ny Dean		Present	Onsite Activities:	Mainte	enance
Processing Hrs T	oday:	8 hrs	Cumulativ	e Processing	Hrs:	424	hrs
BBLS Processed T	oday:	3,005 bbls		BBLS Proces		191,55	2 bbls
BBLS/Hr Process	sed:	512.5	Cumulative 1	BBLS/Hr Proc	essed:	451.8	bbi/hr
Lead Supervisor:	Sami	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		McGruder	10:00	HOT DECK	110	6.89	0.785
Crew		y Lee	12:00		110	7.54	0.983
	, , ,		14:00	***************************************	110	7.85	1.891
			16:00	-	110	7.36	0.985
			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
<u> </u>			HcL Acid	0	5,500	5,200	NO
L			Sodium Hydroxide	0	5,000	4,750	No
Visitors:	Bo J	ackson					
Visitors:	Select	Services					
Visitors:							
there any additional			d? If so, what items and v				
			ule, including volumes ne	eded by client	?	14	
ve there been any cl	nanges to t	he current schedi					
s client provided an						YTO	
			tive or negative)? Company:		- 14 N	хто	

Date:	9/19	9/2012			Number:		01
				Unit N	lumber:		8
-	-						
Client:	>	(TO			hift Onsite Time:	6:00:00AM	am/pm
Location:		sh 49		SI	nift Offsite Time:	14:00:00 PM	am/pm
Site Contact:		ackson		1000 E	2	8 hrs	Total hrs.
Site Contact:	Samr	ny Dean		Present 0	Onsite Activities:	Mainte	enance
Processing Hrs T	oday:	3 hrs	Cumulativ	e Processing	Hrs:	427	hrs
BBLS Processed		1,366 bbls		BBLS Proces			18 bbls
BBLS/Hr Proces		512.5		BBLS/Hr Proce			bbl/hr
Lead Supervisor:		ny Dean	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator		McGruder	10:00		110	6.89	0.785
Crew	Ra	y Lee	12:00		110	7.54	0.983
		40.	14:00		110	7.85	1.891
			16:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	5,200	5,100	NO
<u> </u>			Sodium Hydroxide	0	4,750	4,700	No
Visitors:	Bo J	ackson	South 11 year on the		,,,,,,,	1,1.00	110
Visitors:	Select	Services					
		144 11					
Visitors:	Во	wells					
		Wells					
		wells					
	Во		7	THE STATE OF THE S	22/4 . 16		
Visitors:	Во		?		ji 4 . to		
Visitors: Were there any abnorr	Во		7		22.6 (A. do	œi -	: 7 1162
Visitors: Were there any abnorr	Во		?		29-774	•	
Visitors: Were there any abnorr	Во		?		(U. 27.1)		H2 4
Visitors: Were there any abnorr No Are there any addition	Bo nal operatio	nal issues onsite	? d? If so, what items and v	vhen?	Print		Ä.
Visitors: Were there any abnorr	Bo nal operatio	nal issues onsite		vhen?	Print		
Visitors: Were there any abnorr No Are there any addition	Bo nal operatio	nal issues onsite		vhen?	Print		
Were there any abnorr No Are there any addition. PVC SCH 80	Bo nal operation	nal issues onsite	d? If so, what items and v				83 T. C.
Were there any abnorr No Are there any addition PVC SCH 80 Have there been any c	Bo nal operation	nal issues onsite					
Were there any abnorr No Are there any addition. PVC SCH 80	Bo nal operation	nal issues onsite	d? If so, what items and v				
Were there any abnorr No Are there any addition PVC SCH 80 Have there been any c	Bo nal operation	nal issues onsite	d? If so, what items and v				
Were there any abnormal No Are there any addition PVC SCH 80 Have there been any control No	Bo nal operation al supplies/	enal issues onsite equipment neede ne current schedu	d? If so, what items and v ale, including volumes ne		? The second sec	outh	132
Were there any abnormal No Are there any addition PVC SCH 80 Have there been any control No Has client provided an	Bo nal operation al supplies/	enal issues onsite equipment neede ne current schedu	d? If so, what items and v ale, including volumes ne	eded by client?	? The second sec		132
Were there any abnormal No Are there any addition PVC SCH 80 Have there been any control No	Bo nal operation al supplies/	enal issues onsite equipment neede ne current schedu	d? If so, what items and v ale, including volumes ne		? The second sec	outh	132
Were there any abnormal No Are there any addition PVC SCH 80 Have there been any control No Has client provided an	Bo nal operation al supplies/	enal issues onsite equipment neede ne current schedu	d? If so, what items and v ale, including volumes ne	eded by client?	? The second sec		132
Were there any abnormal No Are there any addition PVC SCH 80 Have there been any control No Has client provided an	nal operation al supplies/	enal issues onsite equipment neede ne current schedu	d? If so, what items and v ale, including volumes ne	eded by client?	? The second sec		132

Date:	9/2	0/2012		Report	Number:	1	02
	-,-				lumber:		8
						······	
Client:	,	хто			hift Onsite Time:		am/pm
Location:	Na	ish 49		My S	hift Offsite Time:	20:00:00 PM	am/pm
Site Contact:	Bo J	lackson		144	The Later of the l	14 hrs	Total hr
Site Contact:	Samı	my Dean		Present	Onsite Activities:	Mainte	enance
Processing Hrs T	oday:	8 hrs	Cumulativ	e Processing	Hrs:	435	hrs
BBLS Processed 7		4,476 bbls		BBLS Proces		197,39	4 bbls
BBLS/Hr Proces		512.5	Cumulative	BBLS/Hr Proc	essed:	453.8	bbl/hr
Lead Supervisor:	Samı	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidit
Lead Operator		McGruder	10:00		110	7.78	1.90
Crew		ıy Lee	12:00		110	7.13	.483
			14:00		110	7.09	.319
			16:00		110	7	0.209
			18:00		N/A	N/A	N/A
-			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	5,100	4,800	NO
			Sodium Hydroxide	0	4,700	4,400	No
Visitors:		lackson					
Visitors:		Services					
Visitors:	Во	Wells			-		
lere there any abnorr	nal operation	onal issues onsite	97	Para de la companya d		140	
O							
	al supplies	equipment neede	d? If so, what items and v	when?	114		
VC SCH 80							
					diame.		
		the current sched	ule, including volumes ne	eded by client	7	Ar.	75 %
ave there been any c	hanges to t						
ave there been any c	hanges to t						
	hanges to t	Annual Annual Annual			······································		
o as client provided an		nal feedback (posi		THE SECTION	And the second		
		nal feedback (posi	tive or negative)? Company:	Herita		хто	

Date:	9/21/	2012			Number:		03
				Unit N	lumber:		8
Client:	XT	0		S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Nasł				hift Offsite Time:		am/pm
Site Contact:	Bo Jac					14 hrs	Total hrs
Site Contact:	Sammy			Present	Onsite Activities:	Maint	enance
					-		
Processing Hrs		2 hrs		e Processing		437	hrs
BBLS Processed		1,967 bbls		BBLS Proces			51 bbls
BBLS/Hr Proce	ssed:	512.5	Cumulative	BBLS/Hr Proc	essea:	456,2	bbl/hr
Lead Supervisor:	Sammy	Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator	Eddie Mo	Gruder	10:00		110	7.2	1.15
Crew	Ray		12:00		N/A	N/A	N/A
	Christoph	er Perry	14:00		N/A	N/A	N/A
ļ			16:00		N/A	N/A	N/A
_			18:00		N/A	N/A	N/A
-			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Orde
			HcL Acid	0	4,800	4,750	NO
			Sodium Hydroxide	0	4,400	4,350	No
Visitors:	Bo Jac						
Visitors:	Select S						
Visitors:	Bo W	ells					
ere there any abnor	mal operation	al issues onsite	?	ignocio (1986)			.
	nal supplies/ed	quipment neede	d? If so, what items and v	vhen?			
/C SCH 80			d? If so, what items and v				
C SCH 80							
VC SCH 80 ave there been any	changes to the	current schedu	ile, including volumes ne				
ve there been any	changes to the	current schedu	ile, including volumes ne tive or negative)?	eded by client		XIO	
C SCH 80	changes to the	current schedu	ile, including volumes ne			хто	

	9/22	2/2012		Report	Number:	1	04
Date:	3, 21	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Unit I	Number:		8
			'				
Client:	×	то		S	hift Onsite Time:	6:00:00AM	am/pi
Location:	Na	sh 49		S	hift Offsite Time:	12:00 PM	am/pi
Site Contact:	Bo J	ackson			July	14 hrs	Total h
Site Contact:	Samn	ny Dean		Present	Onsite Activities:	Maint	enance
Processing Hrs T	admir.	4 hrs	Cumuláth	e Processing	Ure:	441	hrs
BBLS Processed		2,982 bbls		BBLS Proce			13 bbls
BBLS/Hr Proces		512.5		BBLS/Hr Proc			bbl/hr
Lead Supervisor:		ny Dean	Readings:	flow back	Volts/Amps	pН	Turbid
Lead Operator		// AcGruder	10:00		110	6.84	1.67
Crew		y Lee	12:00		110	7.35	1.02
	Christor	oher Perry	14:00		N/A	N/A	N/A
L.			16:00		N/A	N/A	N/A
<u> </u>			18:00		N/A	N/A	N/A
<u> </u>			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	0	4,750	4,600	NO
<u> </u>			Sodium Hydroxide	0	4,350	4,200	No
Visitors:	Bo Ja	ackson					
Visitors:	Select	Services					
Visitors:	Во	Wells					
		and the second and the	?		40, 7	ug ver	
)				33343			
ere there any abnorm			d? If so, what items and v	/hen? *		- MC	
e there any addition C SCH 80	al supplies/	equipment neede			· 7		
e there any addition C SCH 80 Ive there been any c	al supplies/	equipment neede	d? If so, what items and v		?		
e there any addition C SCH 80	al supplies/	equipment neede he current schedu	ile, including volumes ne		? 84 54		
e there any addition /C SCH 80 ave there been any c	al supplies/	equipment neede he current schedu	ile, including volumes ne				
e there any addition C SCH 80	al supplies/	equipment neede he current schedu	ile, including volumes ne		?	ХТО	

water to poseidon tank.

Client: Location: Site Contact: Both Site Contact: Sale Co	XTO Nash 49 D Jackson mmy Dean 2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee topher Perry	Cumulative Cumulative Readings: 10:00	Unit N	sed:	6:00:00AM 12:00 PM 14 hrs Maint 443 203,78	am/pm am/pm Total hrs. enance
Client: Location: Site Contact: Solution: Site Contact: Solution: Processing Hrs Today: BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: Lead Operator Crew Chris Visitors: Sele Visitors: Edward Crew Sele Visitors: Edward Crew Chris Chri	XTO Nash 49 Dackson Da	Cumulative Cumulative Readings: 10:00	Unit N Si Sh Present C	hift Onsite Time: hift Offsite Time: Onsite Activities: Hrs:	6:00:00AM 12:00 PM 14 hrs Maint 443 203,78	am/pm am/pm Total hrs. enance
Client: Location: Site Contact: Solution: Site Contact: Solution: Processing Hrs Today: BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: Lead Operator Crew Chris Visitors: Sele Visitors: Edward Crew Sele Visitors: Edward Crew Chris Chri	2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee	Cumulative Cumulative Readings: 10:00	Unit N Si Sh Present C	hift Onsite Time: hift Offsite Time: Onsite Activities: Hrs:	6:00:00AM 12:00 PM 14 hrs Maint 443 203,78	am/pm am/pm Total hrs. enance hrs
Location: Site Contact: Site Contact: Sar Processing Hrs Today: BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: Lead Operator Crew Chris Visitors: Sele Visitors: Sele Visitors: Site Contact: Sar Chris Sar Chris Sar Chris Sar Chris	2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee	Cumulative Cumulative Readings: 10:00	Present (nift Offsite Time: Onsite Activities: Hrs:	12:00 PM 14 hrs Maint 443 203,78	am/pm Total hrs. enance hrs
Location: Site Contact: Site Contact: Sar Processing Hrs Today: BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: Lead Operator Crew Chris Visitors: Sele Visitors: Sele Visitors: Site Contact: Sar Chris Sar Chris Sar Chris Sar Chris	2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee	Cumulative Cumulative Readings: 10:00	Present (nift Offsite Time: Onsite Activities: Hrs:	12:00 PM 14 hrs Maint 443 203,78	am/pm Total hrs. enance hrs
Site Contact: Boo Site Contact: San Processing Hrs Today: BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: San Lead Operator Eddit Crew F Chris Visitors: Boo Visitors: Sele Visitors: E	2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee	Cumulative Cumulative Readings: 10:00	Present (Onsite Activities:	14 hrs Maint 443 203,78	Total hrs. enance hrs
Processing Hrs Today: BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor:	2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee	Cumulative Cumulative Readings: 10:00	re Processing I	Hrs: sed:	Maint 443 203,78	enance hrs
Processing Hrs Today; BBLS Processed Today; BBLS/Hr Processed; Lead Supervisor; San Lead Operator Eddit Crew F Chris Visitors: Bo Visitors: Sele Visitors: E	2 hrs 1,441 bbls 512.5 mmy Dean e McGruder Ray Lee	Cumulative Cumulative Readings: 10:00	re Processing I	Hrs: sed:	443 203,78	hrs
BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: San Lead Operator Eddit Crew F Chris Visitors: Bc Visitors: Sele Visitors: E	1,441 bbls 512.5 nmy Dean e McGruder	Cumulative Cumulative Readings: 10:00	e BBLS Proces	sed:	203,78	
BBLS Processed Today: BBLS/Hr Processed: Lead Supervisor: San Lead Operator Eddit Crew F Chris Visitors: Bc Visitors: Sele Visitors: E	1,441 bbls 512.5 nmy Dean e McGruder	Cumulative Cumulative Readings: 10:00	e BBLS Proces	sed:	203,78	
Lead Supervisor: Sar Lead Operator Eddi Crew F Chris Visitors: Bo Visitors: Sele Visitors: E	512.5 nmy Dean e McGruder Ray Lee	Cumulative Readings: 10:00		- 1272C		
Lead Supervisor: Sar Lead Operator Eddi Crew F Chris Visitors: Bo Visitors: Sele Visitors: E	mmy Dean e McGruder Ray Lee	Readings: 10:00			460.0	bbl/hr
Lead Operator Crew F Chris Visitors: Visitors: Visitors: Sele Visitors: E Were there any abnormal opera	e McGruder Ray Lee	10:00			400.0	
Crew S Chris Chris Visitors: Bo Visitors: Sele Visitors: E	Ray Lee		flow back	Volts/Amps	рΗ	Turbidity
Visitors: Bo Visitors: Sele Visitors: E				110	6.79	1.91
Visitors: Bo Visitors: Sele Visitors: E	topher Perry	12:00		N/A	N/A	N/A
Visitors: Sele Visitors: E Were there any abnormal opera		14:00		N/A	N/A	N/A
Visitors: Sele Visitors: E Were there any abnormal opera	1	16:00		N/A	N/A	N/A
Visitors: Sele Visitors: E Were there any abnormal opera		18:00		N/A	N/A	N/A
Visitors: Sele Visitors: E Were there any abnormal opera		20:00		N/A	N/A	N/A
Visitors: Sele Visitors: E Were there any abnormal opera						2
Visitors: Sele Visitors: E Were there any abnormal opera		Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors: Sele Visitors: E Were there any abnormal opera		HcL Acid	0	4,600 4,200	4,500 4,100	NO No
Visitors: Sele Visitors: E Were there any abnormal opera	Jackson	Sodium Hydroxide		4,200	4,100	NO
Visitors: E	ct Services					
Were there any abnormal opera	lo Wells					
	0 77010					
	tional issues onsite?	?			55	JB2 150
110	uonan issues onsite:	* TOTAL CONTROL OF THE PARTY OF			200	77236-1 1740-1
Are there any additional supplie	eleguinment needer	d2 If so what items and v	when?			
PVC SCH 80	s/equipment needed	at il 30, milat ilcilia aliu i	inien i	Secretary No Processing	1000-	- 4395
70 00,100						
Have there been any changes to	the current schedu	ile, including volumes ne	eded by client'	7		275)
No	the surface surface		·			
Has client provided any operati Person:	onal feedback (posit			- Es - 13	WTO	7.5
Person:		Company:			хто	
Additional Comments						
Additional Comments						

water to poseidon tank.

Date: 9/24/2012 Report Number: 106								
Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 2 hrs BBLS Processed Today: 1,156 bbls BBLS/Hr Processed: 612.6 Cumulative BBLS/Hr Processed: 204,940 bbls BBLS/Hr Processed: 612.6 Cumulative BBLS/Hr Processed: 204,940 bbls Cumulative BBLS/Hr Processed: 204,940 bbls Cumulative BBLS/Hr Processed: 460.8 bbl/hr Lead Supervisor: Sammy Dean Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Chemical Hold of N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A								
Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 2 hrs BBLS Processed Today: 1,156 bbls BBLS/Hr Processed: 612.5 Cumulative BBLS/Hr Processed: 204,940 bbls BBLS/Hr Processed: 612.5 Cumulative BBLS/Hr Processed: 204,940 bbls Cumulative BBLS/Hr Processed: 460.8 bbl/hr Lead Supervisor: Sammy Dean Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Christopher Perry Reginald White Christopher Service N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Date:	9/2	4/2012		Report	Number:		106
Shift Offsite Time 12:00 PM am/pm 14 hrs Total hrs. Total hrs. Total hrs. Site Contact: Sammy Dean 2 hrs Bol Sprocessed Today: 1,156 bbls Bol Shift Processed: 512.6 Cumulative Bill Shift Processed: 204,940 bbls Cum			,					8
Shift Offsite Time 12:00 PM am/pm 14 hrs Total hrs. Total hrs. Total hrs. Site Contact: Sammy Dean 2 hrs Bol Sprocessed Today: 1,156 bbls Bol Shift Processed: 512.6 Cumulative Bill Shift Processed: 204,940 bbls Cum								
Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 2 hrs BBLS Processed Today: 1,156 bbls BBLS Processed: 512.8 BBLS Processed: 512.8 Cumulative BBLS Processed: 204,940 bbls Cumulative BBLS Processed: 460,5 bbl/nr Lead Supervisor: Sammy Dean Lead Supervisor: Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Chemical Usage Start Inv. Find Inv. Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Are there any abnormal operational issues onsite? Were there any additional supplies/equipment needed? If so, what items and when? Person: Company: Filled holding tanks to 13' waiting on select well service to come out and transfer	Client:		хто		S	hift Onsite Time:	6:00:00AM	am/pm
Site Contact: Sammy Dean Processing Hrs Today: 2 hrs BBLS Processed Today: 1,156 bbls BBLS/Hr Processed: 512.6 Cumulative BBLS Processed: 204,940 bbls Cumulative BBLS Processed: 204,940 bbls Cumulative BBLS/Hr Processed: 460.5 bbl/hr Lead Supervisor: Sammy Dean Crew Ray Lee Christopher Perry Reginald White 10:00 1110 7.54 0.897 11:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Location:	Na	ash 49		S	nift Offsite Time:	12:00 PM	am/pm
Processing Hrs Today: 2 hrs BBLS Processed Today: 1,156 bbls BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 10:00 110 7.54 0.897 12:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		Во	Jackson			G		
BBLS Processed: 204,940 bbls BBLS/Hr Processed: 512.5 Cumulative BBLS/Hr Processed: 204,940 bbls Cumulative BBLS/Hr Processed: 440.5 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Christopher Perry Reginald White Reginald White Chemical Usage Start Inv. Chemical Usage Start Inv. End Inv. Chemical Usage Start Inv. End Inv. On Order HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Are there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	Site Contact:	Sam	my Dean		Present	Onsite Activities:	Process Wat	er/Maintenance
BBLS Processed: 204,940 bbls BBLS/Hr Processed: 512.5 Cumulative BBLS/Hr Processed: 204,940 bbls Cumulative BBLS/Hr Processed: 440.5 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Christopher Perry Reginald White Reginald White Chemical Usage Start Inv. Chemical Usage Start Inv. End Inv. Chemical Usage Start Inv. End Inv. On Order HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Sodium Hydroxide 0 4,100 4,050 No Are there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer								
BBLS/Hr Processed: 460.5 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Chemical Usage Start Inv. Chemical Usage Start Inv. HcL Acid 0 4,500 4,500 NO Sodium Hydroxide 0 4,100 4,050 NO Sodium Hydroxide 0 4,100 4,050 NO Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Additional Comments Is additional Comments Cumulative BBLS/Hr Processed: 460.5 bbl/hr Turbidity 10:00 110 7.54 0.897 12:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		The second second second	2 hrs				445	hrs
Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White 11:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A								
Lead Operator Eddie McGruder 10:00 110 7.54 0.897	BBLS/Hr Proce	essed:	512.5	Cumulative	BLS/Hr Proc	essed:	460.5	bbi/hr
Lead Operator Eddie McGruder 10:00 110 7.54 0.897	Lead Supervisor	Sam	my Dean	Pandings:	flow back	Volts/Amns	nH	Turbidity
Crew Ray Lee 12:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A					HOW BEEK			
Reginald White 16:00 N/A N/A N/A N/A 18:00 N/A N/A N/A N/A 20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Additional Comments Issues on site? Company: XTO Additional Comments SA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer			· · · · · · · · · · · · · · · · · · ·				·	
Reginald White 16:00 N/A N/A N/A N/A 18:00 N/A N/A N/A N/A 20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Additional Comments Issues on site? Company: XTO Additional Comments SA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	C							
20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. On Order HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	Γ			16:00	······································	N/A	N/A	N/A
Chemical Usage Start Inv. End Inv. On Order Hct Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Visitors: Bo Jackson Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer				18:00		N/A	N/A	N/A
HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Have there been any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer				20:00		N/A	N/A	N/A
HcL Acid 0 4,500 4,450 NO Sodium Hydroxide 0 4,100 4,050 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Have there been any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer								
Sodium Hydroxide 0 4,100 4,050 No					Usage	Start Inv.		
Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	L							
Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer				Sodium Hydroxide	0	4,100	4,050	No
Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer								
Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer								
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Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	Were there any abno	rmal operation	onal issues onsite	7		1000		1750
Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments USA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	No	•						
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Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments USA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer	PVC SCH 80							
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ISA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer								
	Additional Com	ments						
	ISA performed, did ma	intenance on	units and houseke	eping. Filled holding tanks t	o 13' waiting o	n select well serv	ice to come ou	t and transfer
					5			

Date:	9/25/	2012		Penor	Number:		107
Date	3/23/	2012			lumber:		8
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Clicate	ХТ				:4 O	C-00-00AAA	I /
Client: Location:	Nash				hift Onsite Time; nift Offsite Time:	6:00:00AM 12:00 PM	am/pm am/pm
Site Contact:	Bo Jac			31	inconsite fille.	6 hrs	Total hrs.
Site Contact:	Sammy			Present 0	Onsite Activities:		tenance
			'				
Processing Hrs		0 hrs	Cumulativ	e Processing	Hrs:	445	hrs
BBLS Processed		0 bbls	Cumulative	BBLS Proces	sed:	204,9	40 bbls
BBLS/Hr Proce	essed:	512.5	Cumulative	BBLS/Hr Proce	essed:	460.5	bbl/hr
Lead Supervisor:	Sammy		Readings:	flow back	Volts/Amps	pH.	Turbidity
Lead Operator Crew	Eddie Mo Ray I		10:00 12:00		N/A N/A	N/A N/A	N/A N/A
CIEM SERBINGE	Christoph		14:00		N/A	N/A	N/A
<u> </u>	Reginald		16:00		N/A	N/A	N/A
<u> </u>			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
			Chemical	∘Usage	Start Inv.	End Inv.	On Order
L			HcL Acid	0	4,450	4,450	NO
A COMMAND OF THE PARTY OF THE P			Sodium Hydroxide	0	4,050	4,050	No
Visitors:	Bo Jac Select Se						
Visitors:	Bo W						
risitore:	50 11	Cilo					
Were there any abno	rmal operation:	al issues onsite	?		45.		
No							
Are there any additio	nal supplies/eq	uipment neede	d? If so, what items and w	vhen?	38/11/2		2
PVC SCH 80							
Have there been any No	changes to the	current sched	ule, including volumes ne	eded by client		are.	
NO							
						• • • • • • • • • • • • • • • • • • • •	
Has client provided a	any operational	feedback (posi	tive or negative)?	sicretti maren	1000		
Person:			Company:	GIRLS.		XTO	
Additional Com	ments						
JSA performed, did ma	aintenance on ur	iits and houseke	eping.				

10:00	Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512		Unit A			
Client: XTO Location: Nash 49 Shift Onsite Time: 6:00:00AM am/pm Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 4 hrs. BBLS Processed: 2,970 bils BBLS Processed: 207,910 bils BBLS Processed: 207,910 bils Cumulative BBLS Processed: 207,910 bils Cumulative BBLS Processed: 207,910 bils Cumulative BBLS Processed: 453.1 bbl/nr Lead Supervisor: Sammy Dean Lead Supervisor: Sammy Dean Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Reginald White Respinald Whi	Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512		Unit A			
Shift Offsite Time: 12:00 PM amr/pm	Location: Nash 49 Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512					
Shift Offsite Time: 12:00 PM amr/pm	Location: Nash 49 Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512			The control of the co		
Site Contact: Sammy Dean Processing Hrs Today: 4 hrs BBLS Processed: 12,970 bbls BBLS/Hr Processed: 512.9 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 16:000 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512		- CONTROL OF THE PROPERTY OF THE PARTY OF TH			
Site Contact: Sammy Dean Present Onsite Activities: Process Water/Maintenary Processing Hrs Today: 4 hrs BBLS Processed Today: 2,970 bbls BBLS/Hr Processed: 512.5 Cumulative BBLS/Hr Processed: 207,910 bbls Cumulative BBLS/Hr Processed: 463.1 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 16:00 110 7.05 1.96 Reginald White 16:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512		10.	nift Offsite Time:		
Processing Hrs Today: 4 hrs BBLS Processed Today: 2,970 bbls BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White BLS/Hr Processed: 463.1 bbl/hr Crew Ray Lee Christopher Perry Reginald White BLS/Hr Processed: 463.1 bbl/hr Crew Ray Lee Christopher Perry Reginald White BLS/Hr Processed: 463.1 bbl/hr Reddings: flow back Volts/Amps pH Turbidity 10:00 110 7.10 3.31 10:00 110 7.65 1.96 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Processing Hrs Today: 4 BBLS Processed Today: 2,970 BBLS/Hr Processed: 512		Present 0	Onsite Activities:		
BBLS Processed: 207,910 bbls BBLShr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Christopher Perry Reginald White Chemical Usage Start Inv. End Inv. On Orde HcL Acid 0 4,050 3,800 No Visitors: Select Services Visitors: Bo Wells Cre there any additional supplies/equipment needed? If so, what items and when? The there been any changes to the current schedule, including volumes needed by client? Company: XTO Additional Comments Cumulative BBLS Processed: 207,910 bbls Cumulative BBLS/Hr Processed: 463.1 bbl/hr Company: X100 Cumulative BBLS/Hr Processed: 463.1 bbl/hr Company: Yolk Applies Additional Comments Readings: flow back Volts/Amps pH Turbidity 10:00 110 7.10 3.31 Turbidity 10:00 110 7.10 3.31 Turbidity 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	BBLS Processed Today: 2,970 BBLS/Hr Processed: 512	·············				
BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Chestopher Services Visitors: Bo Jackson Visitors: Bo Wells Fere there any abnormal operational issues onsite? Fere there any additional supplies/equipment needed? If so, what items and when? The there are any additional supplies/equipment needed? If so, what items and when? The there are any additional supplies/equipment needed? If so, what items and when? Company: XTO Additional Comments Readings: flow back Volts/Amps pH Turbidity 10:00 110 7.10 3.31 10:00 110 7.65 1.96 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	BBLS/Hr Processed: 512	Cumulati	ve Processing	Hrs:	449	hrs
Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Chemical Solid Tysitors: Bo Jackson Visitors: Bo Wells Visitors: Bo Wells Reter there any additional supplies/equipment needed? If so, what items and when? Fer there been any changes to the current schedule, including volumes needed by client? Additional Comments Readings: flow back Volts/Amps pH Turbidity 10:00 110 7.10 3.31 10:00 110 7.65 1.96 11:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A				The second secon	207,93	10 bbls
10:00		Cumulative	BBLS/Hr Proce	essed:	463.1	bbl/hr
10:00	Lead Supervisor: Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Christopher Perry Reginald White 16:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Lead Operator Eddie McGruder			110	7.10	3.31
Reginald White 16:00						
18:00 N/A N/						A
20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. On Orde HcL Acid 0 4,450 4,200 NO Sodium Hydroxide 0 4,050 3,800 No Visitors: Select Services Visitors: Bo Wells Fere there any abnormal operational issues onsite? Ore there any additional supplies/equipment needed? If so, what items and when? For each there been any changes to the current schedule, including volumes needed by client? Ore as client provided any operational feedback (positive or negative)? Person: Company: XTO	Reginald White					
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HcL Acid 0 4,450 4,200 NO Sodium Hydroxide 0 4,050 3,800 No Visitors: Select Services Visitors: Bo Wells Visitors: Bo Wells		20:00	L	N/A	N/A	N/A
Sodium Hydroxide 0 4,050 3,800 No Visitors: Select Services Visitors: Bo Wells Vere there any abnormal operational issues onsite? Vere there any additional supplies/equipment needed? If so, what items and when? VC SCH 80 are there been any changes to the current schedule, including volumes needed by client? O as client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments			Usage			On Order
Visitors: Bo Jackson Visitors: Select Services Visitors: Bo Wells Visitors: Bo Wells						
Visitors: Select Services Visitors: Bo Wells Fere there any abnormal operational issues onsite? Ore there any additional supplies/equipment needed? If so, what items and when? VC SCH 80 ave there been any changes to the current schedule, including volumes needed by client? Ore there been any changes to the current schedule, including volumes needed by client? Ore there any additional supplies/equipment needed? If so, what items and when? WC SCH 80 Ave there been any changes to the current schedule, including volumes needed by client? Ore there any additional supplies/equipment needed? If so, what items and when? WC SCH 80 Ave there been any changes to the current schedule, including volumes needed by client? Ore there any additional supplies/equipment needed? If so, what items and when? WC SCH 80 Ave there been any changes to the current schedule, including volumes needed by client? Ore there any additional supplies/equipment needed? If so, what items and when? WC SCH 80 Ave there been any changes to the current schedule, including volumes needed by client? Ore there are any additional supplies/equipment needed? If so, what items and when? WC SCH 80 Ave there been any changes to the current schedule, including volumes needed by client? Ore there are any additional supplies/equipment needed? If so, what items and when? Additional Comments		Sodium Hydroxide	0	4,050	3,800	No
Visitors: Bo Wells fere there any abnormal operational issues onsite? ore there any additional supplies/equipment needed? If so, what items and when? VC SCH 80 ave there been any changes to the current schedule, including volumes needed by client? ore there been any changes to the current schedule, including volumes needed by client? ore there any additional supplies/equipment needed? If so, what items and when? Additional Comments Additional Comments	The state of the s					
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as client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments	ve there any additional supplies/equipme VC SCH 80	eeded? If so, what items and	when?		- 15 T& .	t to
as client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments	ave there been any changes to the currer	chedule, including volumes ne	eded by client	2		25 800
Person: Company: XTO Additional Comments					** C. 18************************************	
					хто	
A performed, did maintenance on units and housekeeping. Process Water waiting on select to transfer water from holding tanks to Poseidi	Additional Comments					
		valencing Branco Materialia			- baldian tank	A D a lade

Date:	9/27/2012	\neg	Report	Number:	1	109
	3,21,232			lumber:		8
Client:	XTO		S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Nash 49		Shift Offsite Time:			am/pm
Site Contact:	Bo Jackson	_			6 hrs	Total hrs
Site Contact:	Sammy Dean		Present	Onsite Activities:	Process Water	er/Maintenar
Processing Hrs T	oday: 2 hrs	Cumulativ	ve Processing	Hrs:	451	hrs
BBLS Processed 1			e BBLS Proces		208,9	55 bbls
BBLS/Hr Proces	sed: 512.5	Cumulative	BBLS/Hr Proc	essed:	463.3	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рH	Turbidity
Lead Operator	Eddie McGruder	10:00	HOW BOLK	110	7.54	1.19
Crew	Ray Lee	12:00		N/A	N/A	N/A
-,-,-	Christopher Perry	14:00		N/A	N/A	N/A
	Reginald White	16:00	l	N/A	N/A	N/A
·	<u> </u>	18:00		N/A	N/A	N/A
		20:00		N/A	N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	4,200	4,100	NO
<u> </u>		Sodium Hydroxide	0	3,800	3,700	No
Visitors:	Bo Jackson					
Visitors:	Select Services					
Visitors:	Bo Wells					
	nal operational issues o	site?				
lo						
	al supplies/equipment n	eded? If so, what items and	when?			
re there any addition						
re there any additiona VC SCH 80						
VC SCH 80		edule including volumes as	eded by client	*		
VC SCH 80		nedule, including volumes ne	eded by client	?		
VC SCH 80		nedule, including volumes ne	eded by client	?		
IVC SCH 80 lave there been any c	hanges to the current sc		eded by client			
IVC SCH 80 lave there been any c		ositive or negative)?			XTO	
IVC SCH 80 lave there been any clo	hanges to the current sc				хто	

Tank. Filled up Poseidon Tank Frac Job started today have enough water for job.

Date 9/28/2012 Report Number: 110 Unit Number: 8								
Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 0 brs BBLSHr Processed: 512.5 BBLSHr Processed: 512.5 Cumulative BBLS Processed: 208,955 bis Cumulative BBLS Processed: 453.3 bib/br Lead Supervisor: Sammy Dean Lead Operator: Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Reginald White Site Contact: Sammy Dean Lead Operator: Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reg								
Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 0 br/s BBLSProcessed: 512.5 Tead Operator: Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Reginald White Residency Reginald White Reginald White Reginald White Residency Reginald White Residency Reginald White Residency Reginald White Reginald White Reginald White Reginald White Reginald White Reginald White Residency Reginald White Readings: flow back Vots/Amps PH Turbidity Reginald White Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps PH Turbidity Readings: flow back Vots/Amps Readings: flow back Vots/Amps Readings: flow back Vots/Amps Readings: flow bac	Date:	9/28	8/2012]	Report	Number:	1	110
Shift Offsite Time. 12:00 PM am/pm Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLS Processed Today: 0 bbls BBLS Processed: 512.5 Cumulative BBLS Fire Processed: 208,955 bbls Cumulative BBLS Fire Processed: 463.3 bbl/nr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry 14:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A			,	ı				
Shift Offsite Time 12:00 PM am/pm Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLS Processed Today: 512.5 Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS Processed: 483.3 bbl/mr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Christopher Perry Has Discord Company: 16:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A								
Site Contact: Bo Jackson Site Gontact: Sammy Dean Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Commutative Blas Processed: 268,955 bbls	Client:	x	то]	S	hift Onsite Time:	6:00:00AM	am/pm
Site Contact: Sammy Dean Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLS/Hr Processed: 512.5 Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS/Hr Processed: 463.3 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Location:	Na	sh 49		5	hift Offsite Time:	12:00 PM	am/pm
Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Crew Ray Lee Christopher Sammy Dean Reginald White Reginald White Christopher Services Visitors: Bo Jackson Visitors: Select Services Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Additional Comments Cumulative BBLS/Hr Processed: 208,955 bbls Cumulative BBLS/Hr Processed: 483.3 bbl/hr Also Volts/Amps pH Turbidity N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Site Contact:	Bo J	ackson		11.	177	6 hrs	Total hrs.
BBLS Processed: 208,955 bbls BBLS/Hr Processed: 208,955 bbls BBLS/Hr Processed: 463.3 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Christopher Perry Reginald White Chemical Usage Start Inv. End Inv. On Order HcL Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 NO Visitors: Select Services Visitors: Select Services Bo Wells Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Has client provided any operational feedback (positive or negative)? Person: Company: X10 Cumulative BBLS/Hr Processed: 208,955 bbls Cumulative BBLS/Hr Processed: 463.3 bbl/hr 463.3 bbl/h	Site Contact:	Samn	ny Dean		Present	Onsite Activities:	Maint	enance
BBLS Processed: 70day: 0 bbls BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Christopher Perry Reginald White Chemical Usage Start Inv. Chemical Usage Start Inv. Find Inv. Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Select Services Visitors: Bo Wells Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Lead Operation Eddie McGruder 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A								
BBLS/Hr Processed: 512.5 Cumulative BBLS/Hr Processed: 463.3 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Chemical Usage Start Inv. End Inv. On Order HcL Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 NO Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Has client provided any operational feedback (positive or negative)? Parson: Company: XTO Additional Comments			0 hrs					
Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 11:000 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	BBLS Processed	Today:	0 bbls	Cumulativ	e BBLS Proces	ssed:	208,95	55 bbls
Lead Operator Crew Ray Lee Christopher Perry Christopher Perry Reginald White Reg	BBLS/Hr Proce	ssed:	512.5	Cumulative	BBLS/Hr Proc	essed:	463.3	bbl/hr
Lead Operator Crew Ray Lee 12:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Lead Supervisor:	Samn	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Crew Ray Lee 12:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A				***************************************				
Christopher Perry Reginald White 16:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A				12:00	***************************************	N/A	N/A	N/A
Reginald White 16:00 N/A N/A N/A N/A 18:00 N/A N/A N/A N/A 20:00 N/A N/A N/A Chemical Usage Start Inv. End Inv. HcL Acid 0 4,100 NO Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments						N/A	N/A	N/A
18:00 N/A N/A N/A N/A 20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. On Order Hcl. Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Additional Comments XTO				16:00		N/A	N/A	N/A
Chemical Usage Start Inv. End Inv. On Order Hct Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments				18:00		N/A	N/A	N/A
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Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO		mai operatio	The Issues Chair					
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Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: Additional Comments	A 46						22	100
Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: Additional Comments		nai suppliesi	equipment need	ed ? II so, what items and i	when?		era.	
Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments	FVC SCH 60							
Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments							· · · · · · · · · · · · · · · · · · ·	
Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments					2305 - 2000	•	100gs - 100g/400g	
Has client provided any operational feedback (positive or negative)? Person: Company: XTO Additional Comments		cnanges to t	ne current sched	iule, including volumes ne	eded by client	ſ		
Person: Company: XTO Additional Comments	NO							
Person: Company: XTO Additional Comments								
Person: Company: XTO Additional Comments	Use client provided a	ny operation	al foodback (nee	itive or negative)?				
Additional Comments		ny operation	ai reeuback (pos		17.70		XTO	
	reasun.			- COmpany				
	(A)	. r						
	Additional Com	nents						

Shift Offsite Time: 12:00 PM am/pm Shift Contact: Bo Jackson Shift Contact: Bo Jackson Shift Contact: Sammy Dean Present Onsite Activities: Maintenance		4.00.000					
Client: XTO Location: Nash 49 Site Contact: Bo Jackson Site Contact: Sammy Dean Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLShrir Processed: \$12.5 Cumulative BBLShrir Processed: 453.3 bbl/hr Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 16:000 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Date:	9/29/2012		Report	Number:		111
Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM am/pm Shift Offsite Time: 12:00 PM shift Offsit				Unit I	Number:		8
Site Contact: Sammy Dean Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Present Onsite Activities: Maintenance Maintenance Present Onsite Activities: Maintenance Maintenance Activities: Maintenance Activities: Activities: Maintenance Cumulative Processing Hrs: 451 hrs Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS Processed: 463.3 bbl/hr Cumulative BBLS Processed: 463.3 bbl/hr Readings: flow back Volts/Amps pH Turbidit 10:00 N/A N/A N/A N/A Present Onsite Activities: Maintenance Readings: flow back Volts/Amps pH Turbidit 10:00 N/A N/A N/A N/A N/A 16:00 N/A N/A N/A N/A N/A 16:00 N/A N/A N/A N/A N/A 18:00 N/A N/A N/A N/A N/A 20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. On Order Het. Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Were there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: XTO	Client:	хто		S	hift Onsite Time:	6:00:00AM	am/pm
Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLS.Hr Processed: 512.5 Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS.Hr Processed: 463.3 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White Reginald White Chemical Usage Start Inv. Hold Aid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 NO Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Company: XTO	Location:	Nash 49		5	hift Offsite Time:	12:00 PM	am/pm
Processing Hrs Today: 0 hrs BBLS Processed Today: 0 bbls BBLS/Hr Processed: 208,955 bbls Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS Processed: 208,955 bbls Cumulative BBLS/Hr Processed: 463.3 bbl/hr Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee 10:00 N/A N/A N/A N/A N/A Christopher Perry 14:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Site Contact:	Bo Jackson				6 hrs	Total hrs.
BBLS Processed: 208,955 bbls BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Site Contact:	Sammy Dean		Present	Onsite Activities:	Main	tenance
BBLS Processed: 208,955 bbls BBLS/Hr Processed: 512.5 Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee Christopher Perry Reginald White 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Processing Hrs T	odav: 0 hrs	Cumulativ	e Processina	Hrs:	451	hrs
Lead Supervisor: Sammy Dean Lead Operator Eddie McGruder Crew Ray Lee 10:00 N/A	BBLS Processed	oday: 0 bbls					
Lead Operator Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Christopher Perry 14:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A							
tead Operator Crew Ray Lee Christopher Perry Reginald White Reginald White Reginald White Christopher Perry 10:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	оН	Turbidity
Crew Ray Lee Christopher Perry Reginald White 11:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		· · · · · · · · · · · · · · · · · · ·	***************************************				
Christopher Perry Reginald White 16:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A							
18:00 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A			14:00		N/A	N/A	N/A
20:00 N/A N/A N/A N/A Chemical Usage Start Inv. End Inv. On Orde HcL Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Company: XTO		Reginald White	16:00		N/A	N/A	N/A
Chemical Usage Start Inv. End Inv. On Orde HcL Acid 0 4,100 4,100 NO Sodium Hydroxide 0 3,700 3,700 No Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO			18:00		N/A	N/A	N/A
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Visitors: Bo Jackson Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO	<u> </u>		Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors: Bo Jackson Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO			HcL Acid		4,100	4,100	NO
Visitors: Select Services Visitors: Bo Wells Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO			Sodium Hydroxide	0	3,700	3,700	No
Were there any abnormal operational issues onsite? No Are there any additional supplies/equipment needed? If so, what items and when? PVC SCH 80 Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO		Bo Jackson					
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Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO							
Have there been any changes to the current schedule, including volumes needed by client? No Has client provided any operational feedback (positive or negative)? Person: Company: XTO		al supplies/equipment neede	d? If so, what items and v	vhen?			
No Has client provided any operational feedback (positive or negative)? Person: Company: XTO	PVC SCH 80						
No Has client provided any operational feedback (positive or negative)? Person: Company: XTO	Have there heen any c	hanges to the current schedu	ile including volumes ne	eded by client	7		
Person: Company: XTO							
Person: Company: XTO							
		y operational feedback (posit				VIO	
Additional Comments	r Gravit,		Company.			AIU	
	Additional Comm	ents					
ISA Performed waiting on XTO to schedule the sludge pull. House cleaning working on units.							

Date:	9/30/2012		Banari	Number:	1	12
Date.	9/30/2012			lumber:		8
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Client:	хто		S	hift Onsite Time:	6:00:00AM	am/pm
Location:	Nash 49		S	hift Offsite Time:	12:00 PM	am/pm
Site Contact:	Bo Jackson				6 hrs	Total hrs
Site Contact:	Sammy Dean		Present	Onsite Activities:	Maint	enance
Processing Hrs	Today: 0	Cumulativ	e Processing	Hrs:	451	hrs
BBLS Processed		Cumulative	BBLS Proces	ssed:	208,95	5 bbls
BBLS/Hr Proces	sed: 512	Cumulative f	BLS/Hr Proc	essed:	463.3	bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	рН	Turbidity
Lead Operator	Eddie McGruder	10:00		N/A	N/A	N/A
Crew	Ray Lee	12:00		N/A	N/A	N/A
STATE OF THE PARTY	Christopher Perr	14:00		N/A	N/A	N/A
	Reginald White	16:00		N/A	N/A	N/A
		18:00		N/A	N/A	N/A
		20:00		N/A	N/A	N/A
-		Chemical	Usage	Start Inv.	End Inv.	On Orde
		HcL Acid	0	4,100	4,100	NO
		Sodium Hydroxide	0	3,700	3,700	No
Visitors:	Bo Jackson					
Visitors:	Select Services					
Visitors:	Bo Wells					
		, , , , , , , , , , , , , , , , , , , ,				
Vere there any ahnor	mal operational issue	onsite?		146	7 4	
o						
re there any addition	al supplies/equipme	needed? If so, what items and w	hen?	M. V.		4
VC SCH 80						
laye there been say.	hanges to the currer	chedule, including volumes nec	eded by client	?		
lave tilele beell ally t						
lo	ny operational feedba	(positive or negative)?				
lo	ny operational feedba	(positive or negative)? Company:	- 6220 - 6220 - 6220 - 6220		хто	

Date:	10/	1/2012		Report	Number:	1	13
					lumber:		8
Client:)	кто		S	hift Onsite Time:	6:00:00AM	am/pn
Location:	Na	ısh 49		S	hift Offsite Time:	12:00 PM	am/pr
Site Contact:	Bo J	lackson				6 hrs	Total hi
Site Contact:	Samr	ny Dean		Present	Onsite Activities:	Maint	enance
Processing Hrs T	odav:	0 hrs	Cumulativ	ve Processing	Hrs:	451	hrs
BBLS Processed		0 bbls		e BBLS Proces		208,9	55 bbls
BBLS/Hr Proces		512.5	Cumulative	BBLS/Hr Proc	essed:	463.3	bbi/hr
Lead Supervisor:	Samr	ny Dean	Readings:	flow back	Volts/Amps	рН	Turbidi
Lead Operator		pher Perry	10:00		N/A	N/A	N/A
Crew		ald White	12:00		N/A	N/A	N/A
	<u>*</u>		14:00		N/A	N/A	N/A
			16:00		N/A	N/A	N/A
<u> </u>			18:00		N/A	N/A	N/A
			20:00		N/A	N/A	N/A
<u> </u>						-	
			Chemical	Usage	Start Inv.	End Inv.	On Ord
			HcL Acid	0	4,100	4,100	NO
<u> </u>			Sodium Hydroxide	0	3,700	3,700	No
Visitors:	Bo J	ackson	•			·	
Visitors:	Select	Services				·	
Visitors:	Во	Wells					
ere there any abnorr	nal operatio	onal issues onsit	e?-Sa				
	al supplies/	equipment need	ed? If so, what items and v	when?			
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ive there been any c	hanges to t	he current sched	lule, including volumes ne	eded by client	?		
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s client provided an	y operation	al feedback (pos				UTO	
	y operation	al feedback (pos	itive or negative)? Company:			хто	
s client provided an		al feedback (pos					

Date:	10/5/2012			Report	Number:	1	14
					lumber:		8
	хто		1		nift Onsite Time:	6:00:00AM	am/pm
Client: Location:	Nash 49			SERVICE TO STATE OF THE SERVICE TO SERVICE T	nift Offsite Time:	12:00 PM	am/pm
Site Contact:	Bo Jackson			Polymer (1997)	int Offsite Time.	6 hrs	Total hrs
Site Contact:	Sammy Dea			Present	Onsite Activities:		Down
Rig down units							
Processing Hrs	Today: 0	hrs		e Processing		0	hrs
BBLS Processed	Today: 0	bbls		BBLS Proces			5 bbls
BBLS/Hr Proces	ised: 5	12.5	Cumulative	BBLS/Hr Proc	essed:	#D	V/0!
Lead Supervisor:	Sammy Dea	an	Readings:	flow back	Volts/Amps	pН	Turbidity
Lead Operator	Christopher P	erry	10:00		N/A	N/A	N/A
Crew	Reginald Wh	ite	12:00		N/A	N/A	N/A
			14:00		N/A	N/A	N/A
_			16:00		N/A	N/A	N/A
			18:00		N/A	N/A	N/A
 -			20:00		N/A	N/A	N/A
			Chemical	Usage	Start Inv.	End Inv.	On Order
			HcL Acid	0	4,100	4,100	NO
			Sodium Hydroxide	0	3,700	3,700	No
Visitors:	Bo Jackson Robert Rini						
Visitors:	Robert Kin						<u> </u>
Vere there any abnor	mal operational is	sues onsite			The second		
		ment needed	l? If so, what items and v	vhen?		A STATE OF THE STA	
re there any addition	nal supplies/equip						
				adad by aliast	3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
lave there been any o			le, including volumes ne	eded by client	?		
ave there been any o				eded by client	?		
lave there been any operation completed	changes to the cur	rent schedu	le, including volumes ne	eded by client	?		
	changes to the cur	rent schedu	le, including volumes ne	eded by client	2	XTO	





Figure 1:
Photograph of
filtration granules
used in the
CleanWave
system. The
granules were
cleaned-up prior
to surface
restoration.



Figure 2: Grading of former containment berms. The former berms were either thin spread on location or placed around location to reinforce existing berms (Figure 3).



Figure 3: Re-using material from former containment berms from the CleanWave system to reinforce existing containment berms.



Figure 4: Location graded to pre-existing conditions. Nash Unit #4 is at left; Nash Unit #53SWD at right. Photograph is viewing south.