

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.

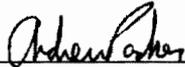
On December 11, 2012, after the remaining CleanWave system was removed off location, we mobilized to the location and restored the surface to pre-existing conditions. Approximately ten gallons of unused filtration granules (Figure 1, Appendix C) were removed from the surface prior to surface restoration. 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.

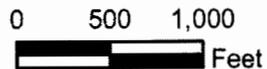
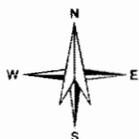
Sincerely,
R.T. Hicks Consultants
Durango Field Office



Andrew Parker

Copy: David Luna, XTO Energy (via email)
Donald Martinez, State Land Office (via email)

PLATES



R.T. Hicks Consultants, Ltd
 901 Rio Grande Blvd NW Suite F-142
 Albuquerque, NM 87104
 Ph: 505.266.5004

Location of CleanWave System
 XTO Energy: Halliburton CleanWave Closure Report
 Nash Unit #4

Plate 1
 January 2013

APPENDIX A

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) CleanWave™ 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:

1. 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;

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 CleanWave™ 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;
9. XTO shall not 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;
10. 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;
13. 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

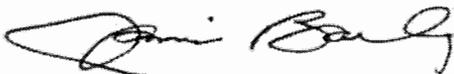
14. XTO shall restore the impacted surface area to the condition that existed prior to initiating the approved operations and complete the closure activities, including the submittal of a closure report, as proposed in its May 22, 2012 request; and
15. XTO shall submit a report of the volumes of produced 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 brad.a.jones@state.nm.us.

Sincerely,



Jami Bailey
Director

JB/baj

cc: OCD District II Office, Artesia

APPENDIX B

Appendix B
Table B-2

Date: 6/5/2012		Report Number: 2		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 7:00 AM am/pm		
Location: Nash 29		Shift Offsite Time: 4:00 PM am/pm		
Site Contact: Bo Jackson		System Run Time: Total hrs.		
Site Contact:		Present Onsite Activities: Rig Up Equipment		
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 0 hrs		
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 0 bbls		
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: #DIV/0!		
Lead Supervisor:	Paul Worley	Readings:	flow back Volts/Amps pH Turbidity	
Lead Operator:		06:00		
Crew:		08:00		
	Kevin Wilson	10:00		
	Special Service hands	12:00		
		14:00		
		16:00		
Chemical	Usage	Start Inv.	End Inv.	On Order
HcL Acid	0	4,000	4,000	NO
Sodium Hydroxide	0	3,800	3,800	NO
Visitors:	Bo Wells			
Visitors:				
Visitors:				
Were there any abnormal operational issues onsite?				
None				
Are there any additional supplies/equipment needed? If so, what items and when?				
2 frac tanks will be delivered to location tomorrow.				
Have there been any changes to the current schedule, including volumes needed by client?				
Poseidon tank will be delivered to location possible end of the week. Could be a days delay with rig up.				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:		XTO
N/A				
Additional Comments				
Rigged up Halliburton equipment along with 2 ea. weir tanks. Will complete rig up when the 2 frac tanks arrives tomorrow. Need to contact the electricians to complete the wiring from transformers to units. Will return to location tomorrow AM to complete rigging up equipment.				

Appendix B
Table B-2

Date:	6/6/2012	Report Number:	3	
		Unit Number:	8	
Client:	XTO	Shift Onsite Time:	7:00 AM am/pm	
Location:	Nash 29	Shift Offsite Time:	6:00 PM am/pm	
Site Contact:	Bo Jackson	System Run Time:	Total hrs.	
Site Contact:		Present Onsite Activities:	Rig Up Equipment	
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	0 hrs	
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	0 bbls	
BBLs/Hr Processed:	#DIV/0!	Cumulative BBLs/Hr Processed:	#DIV/0!	
Lead Supervisor:	Paul Worley	Readings:	flow back Volts/Amps pH Turbidity	
Lead Operator:	Chad Edwards	06:00		
Crew	Kevin Wilson	08:00		
	Reginald White S.S.	10:00		
	Reginald Neal S.S.	12:00		
	Christopher Perry S.S.	14:00		
	John Larson S.S.	16:00		
Chemical	Usage	Start Inv.	End Inv.	On Order
Hcl Acid	0	2,000	2,000	NO
Sodium Hydroxide	0	3,800	3,800	NO
Visitors:	Bo Wells			
Visitors:	Bo Jackson			
Visitors:				
Were there any abnormal operational issues onsite?				
None				
Are there any additional supplies/equipment needed? If so, what items and when?				
settling tanks arrived around 5:30 pm				
Have there been any changes to the current schedule, including volumes needed by client?				
Poseidon tank will be delivered to location possible end of the week. Could be a days delay with rig up.				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:	XTO	
N/A				
Additional Comments				
Arrived on location at 8:00 am, completed and reviewed JSA.....Continued rigging up Halliburton equipment along with weir tanks, called Basic energy asked about settling tanks they are still looking for some.Called electrician and told him what all to bring to location and he said he was on his way.Called to confirm Acid and Caustic delivery in the morning,they will be here around 6:00 am. Frac tanks for settling tanks				

Appendix B
Table B-2

Date:	6/7/2012	Report Number:	4
Client:	XTO	Unit Number:	8
Location:	Nash 29	Shift Onsite Time:	6:00 AM am/pm
Site Contact:	Bo Jackson	Shift Offsite Time:	6:00 PM am/pm
Site Contact:		System Run Time:	Total hrs.
		Present Onsite Activities:	Rig Up Equipment
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	0 hrs
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	0 bbls
BBLs/Hr Processed:	#DIV/0!	Cumulative BBLs/Hr Processed:	#DIV/0!
Lead Supervisor:	Paul Worley	Readings:	flow back Volts/Amps pH Turbidity
Lead Operator:	Chad Edwards	06:00	
Crew:	Reginald White S.S.	08:00	
	Reginald Neal S.S.	10:00	
	Christopher Perry S.S.	12:00	
		14:00	
		16:00	
Visitors:	Bo Wells	Chemical	Usage Start Inv. End Inv. On Order
Visitors:	Bo Jackson	Hcl Acid	0 2,000 2,000 NO
Visitors:		Sodium Hydroxide	0 3,800 3,800 NO
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank will be delivered to location possibly on Tuesday after the permits are approved.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	XTO
N/A			
Additional Comments			
Arrived on location at 6:00 am, completed and reviewed JSA..... We recieved both settling tanks and rigged them up..... We also had electrician finish electrical and checked rotation on all equipment .. We recieved the acid from reagent around 2:00 PM. We are completely rigged up and waiting on caustic to arrive in the morning and start processing water... Took samples of the dirty water and am very confident			

Appendix B
Table B-2

Date: 6/9/2012		Report Number: 5		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 4:00 AM am/pm		
Location: Nash 29		Shift Offsite Time: 2:00 PM am/pm		
Site Contact: Bo Jackson		System Run Time: 7 Total hrs.		
Site Contact:		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 7 hrs		Cumulative Processing Hrs: 7 hrs		
BBLs Processed Today: 2,908 bbls		Cumulative BBLs Processed: 2,908 bbls		
BBLs/Hr Processed: 415.4285714		Cumulative BBLs/Hr Processed: 415.4 bbl/hr		
Lead Supervisor: Paul Worley		Readings:		
Lead Operator:		flow back	Volts/Amps	pH
Crew:		06:00	110	6.73
		08:00	110	6.54
		10:00	110	6.85
		12:00	110	6.52
		14:00	110	6.91
		16:00		0.346
		Chemical Usage		
		Chemical	Usage	Start Inv.
		Hcl Acid	140	1,900
		Sodium Hydroxide	190	2,500
				End Inv.
				2,310
				On Order
				NO
				NO
Visitors: BO JACKSON				
Visitors:				
Visitors:				
Were there any abnormal operational issues onsite?				
None				
Are there any additional supplies/equipment needed? If so, what items and when?				
None				
Have there been any changes to the current schedule, including volumes needed by client?				
Poseidon tank did not show up today but want to get a head start on the frac.... Water was looking very clean.				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:		XTO
N/A				
Additional Comments				
Arrived on location at 3:00 am, completed and reviewed JSA..... Driver with Brentag called me at 1:30 am said he had his 10 hour break. Driver arrived on location at 4:45.... Caustic was unloaded and I started filling settling and weir tanks around 7:00 am ,made a couple of adjustments to the Caustic and water was looking great So I kept running the water and made a couple of adjustments to the acid and				

Appendix B
Table B-2

Date:	6/10/2012	Report Number:	6
Client:	XTO	Unit Number:	8
Location:	Nash 29	Shift Onsite Time:	4:00 AM am/pm
Site Contact:	Bo Jackson	Shift Offsite Time:	1:00 PM am/pm
Site Contact:	Paul Worley	System Run Time:	6 Total hrs.
		Present Onsite Activities:	PROCESS WATER
Processing Hrs Today:	6 hrs	Cumulative Processing Hrs:	13 hrs
BBLs Processed Today:	2,544 bbls	Cumulative BBLs Processed:	5,452 bbls
BBLs/Hr Processed:	424	Cumulative BBLs/Hr Processed:	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	
Visitors:	BO JACKSON	Chemical	Usage Start Inv. End Inv. On Order
Visitors:		Hcl Acid	175 1,900 1,725 NO
Visitors:		Sodium Hydroxide	220 2,500 2,280 NO
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank is suppose to be here Wednesday or Thursday of next week.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	XTO
N/A			
Additional Comments			
Arrived on location at 3:40 am, Completed and reviewed JSA..... Started processing water at around 4:30 am made several adjustments to caustic ,acid and EC Cells.. The water looked good and clear when sample was taken and after it sat for a few minutes had a slight yellow tint to it.... Tried adjusting chemicals and polarity on cells but yellow tint still came back.. There is a lot of salt in the water and the PH was around			

Appendix B
Table B-2

Date:	6/11/2012	Report Number:	7
		Unit Number:	8
Client:	XTO	Shift Onsite Time:	N/A am/pm
Location:	Nash 29	Shift Offsite Time:	N/A am/pm
Site Contact:	Bo Jackson	System Run Time:	0 Total hrs.
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	13 hrs
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	5,452 bbls
BBLs/Hr Processed:	#DIV/0!	Cumulative BBLs/Hr Processed:	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	
Visitors:	BO JACKSON	Chemical	Usage Start Inv. End Inv. On Order
Visitors:		Hcl Acid	0 1,725 1,725 NO
Visitors:		Sodium Hydroxide	0 2,280 2,280 NO
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank is suppose to be here Wednesday or Thursday of next week.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	XTO
N/A			
Additional Comments			
All tanks are full ,waiting on poseidon tanks.			

Appendix B
Table B-2

Date:	6/12/2012	Report Number:	7
Client:	XTO	Unit Number:	8
Location:	Nash 29	Shift Onsite Time:	N/A am/pm
Site Contact:	Bo Jackson	Shift Offsite Time:	N/A am/pm
Site Contact:	Paul Worley	System Run Time:	0 Total hrs.
Processing Hrs Today:	0 hrs	Present Onsite Activities:	PROCESS WATER
BBLs Processed Today:	0 bbls	Cumulative Processing Hrs:	13 hrs
BBLs/Hr Processed:	#DIV/0!	Cumulative BBLs Processed:	5,452 bbls
Lead Supervisor:	Paul Worley	Cumulative BBLs/Hr Processed:	419.4 bbl/hr
Lead Operator:		Readings:	flow back Volts/Amps pH Turbidity
Crew:		06:00	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
Visitors:	BO JACKSON	Chemical	Usage Start Inv. End Inv. On Order
Visitors:		Hcl Acid	0 1,725 1,725 NO
Visitors:		Sodium Hydroxide	0 2,280 2,280 NO
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank is suppose to be here Wednesday or Thursday of next week.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	XTO
N/A			
Additional Comments			
All tanks are full ,waiting on Poseidon tanks.. Filled all dirty tanks Bo Jackson showed me where to get more water to fill dirty tanks and I filled them using pumps on different locations.			

Appendix B
Table B-2

Date: 6/13/2012		Report Number: 8	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: N/A am/pm	
Location: Nash 29		Shift Offsite Time: N/A am/pm	
Site Contact: Bo Jackson		System Run Time: 0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 13 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 5,452 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 419.4 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		06:00	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
Visitors: BO JACKSON		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 1,725 1,725 NO	
		Sodium Hydroxide 0 2,280 2,280 NO	
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank is suppose to be here anytime now.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company: XTO	
N/A			
Additional Comments			
All tanks are full ,waiting on Poseidon tank.....Called customer and let him know I was on location this morning everything was good and offered my services while I was on location... Bo Jackson said that all is good,			

Appendix B
Table B-2

Date: 6/14/2012		Report Number: 9	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: N/A am/pm	
Location: Nash 29		Shift Offsite Time: N/A am/pm	
Site Contact: Bo Jackson		System Run Time: 0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 13 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 5,452 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 419.4 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		06:00	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 1,725 1,725 NO	
		Sodium Hydroxide 0 2,280 2,280 NO	
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank is suppose to be here maybe on Monday.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	
N/A		XTO	
Additional Comments			
All tanks are full ,waiting on Poseidon tank..			

Appendix B
Table B-2

Date: 6/15/2012		Report Number: 10	
		Unit Number: 8	
STAND BY WAITING ON TANK			
Client:	XTO	Shift Onsite Time:	N/A am/pm
Location:	Nash 29	Shift Offsite Time:	N/A am/pm
Site Contact:	Bo Jackson	System Run Time:	0 Total hrs.
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	13 hrs
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	5,452 bbls
BBLs/Hr Processed:	#DIV/0!	Cumulative BBLs/Hr Processed:	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	
Visitors:		Chemical	Usage Start Inv. End Inv. On Order
Visitors:		Hcl Acid	0 1,725 1,725 NO
Visitors:		Sodium Hydroxide	0 2,280 2,280 NO
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank is suppose to be here maybe on Monday.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	XTO
N/A			
Additional Comments			
All tanks are full ,waiting on Poseidon tank..			

Appendix B
Table B-2

Date: 6/16/2012		Report Number: 11		
		Unit Number: 8		
STAND BY WAITING ON TANK				
Client:	XTO			
Location:	Nash 29			
Site Contact:	Bo Jackson			
Site Contact:	Paul Worley			
Processing Hrs Today:	0	hrs		
BBLs Processed Today:	0	bbls		
BBLs/Hr Processed:	#DIV/0!			
Cumulative Processing Hrs:	13	hrs		
Cumulative BBLs Processed:	5,452 bbls			
Cumulative BBLs/Hr Processed:	419.4 bbl/hr			
Lead Supervisor:	Paul Worley			
Lead Operator:				
Crew:				
Visitors:				
Visitors:				
Visitors:				
Readings:	flow back	Volts/Amps	pH	Turbidity
06:00				
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
Were there any abnormal operational issues onsite?				
None				
Are there any additional supplies/equipment needed? if so, what items and when?				
None				
Have there been any changes to the current schedule, including volumes needed by client?				
Poseidon tank is suppose to be here on Monday and we are suppose to start filling it on Monday afternoon.				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:	XTO	
N/A				
Additional Comments				
All tanks are full ,waiting on Poseidon tank..				

Appendix B
Table B-2

Date: 6/17/2012		Report Number: 12	
		Unit Number: 8	
STAND BY WAITING ON TANK			
Client: XTO		Shift Onsite Time: N/A am/pm	
Location: Nash 29		Shift Offsite Time: N/A am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 13 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 5,452 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 419.4 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		06:00	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
Visitors:		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		0	
		1,725	
		1,725	
		NO	
		Sodium Hydroxide	
		0	
		2,280	
		2,280	
		NO	
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank should arrive on Monday.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	
N/A		XTO	
Additional Comments			
All tanks are full ,waiting on Poseidon tank..			

Appendix B
Table B-2

Date: 6/18/2012		Report Number: 13	
		Unit Number: 8	
STAND BY WAITING ON TANK			
Client: XTO		Shift Onsite Time: N/A am/pm	
Location: Nash 29		Shift Offsite Time: N/A am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 13 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 5,452 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 419.4 bb/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator: Ken Erier		flow back	
Crew: Adam Pollard		Volts/Amps	
		pH	
		Turbidity	
		06:00	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		0	
		1,725	
		1,725	
		NO	
		Sodium Hydroxide	
		0	
		2,280	
		2,280	
		NO	
Were there any abnormal operational issues onsite?			
None			
Are there any additional supplies/equipment needed? If so, what items and when?			
None			
Have there been any changes to the current schedule, including volumes needed by client?			
Poseidon tank arrived around 3:00 PM and we waited until 8:00, walls were not up yet.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company:	
N/A		XTO	
Additional Comments			
All tanks are full ,waiting on Poseidon tank to be installed.			

Appendix B
Table B-2

Date: 6/20/2012		Report Number: 15	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 5:00 am/pm	
Location: Nash 29		Shift Offsite Time: 9:00 PM am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 13 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 5,452 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 419.4 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator: Adam Pollard		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		06:00	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
Visitors: BO JACKSON		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl. Acid	
		0	
		1,725	
		1,725	
		YES	
		Sodium Hydroxide	
		0	
		2,280	
		2,280	
		YES	
Were there any abnormal operational issues onsite?			
YES.... TRIED PUMPING TO MAIN CLEAN TANK AND PRESSURED UP ON LINES TOO FAR TO PUMP WITH OUR PUMP... CALLED BO JACKSON AND HE HOOKED UP ANOTHER PUMP.			
Are there any additional supplies/equipment needed? If so, what items and when?			
YES FITTINGS FOR 6500 GAL. ACID AND CAUSTIC TANKS.			
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	
N/A			
Additional Comments			
ARRIVED ON LOCATION AT 5:00 AM REVIEWED JSA WAITED ON POSEIDON TANK.. FINALLY READY FOR WATER BUT OUR PUMP WOULD NOT PUSH WATER THAT FAR... WAITED TO HOOK UP OTHER PUMP.. XTO CALLED OUT ELECTRICIAN AND HOOKED UP BIG PUMP COMING OFF OF CLEAN TANKS.			

Appendix B
Table B-2

Date: 6/21/2012		Report Number: 16			
		Unit Number: 8			
Client: XTO	Shift Onsite Time: 5:30 am/pm				
Location: Nash 29	Shift Offsite Time: 5:00 PM am/pm				
Site Contact: Bo Jackson	9	Total hrs.			
Site Contact: Paul Worley	Present Onsite Activities: PROCESS WATER				
Processing Hrs Today: 9 hrs	Cumulative Processing Hrs: 13 hrs				
BBLs Processed Today: 3,828 bbls	Cumulative BBLs Processed: 5,452 bbls				
BBLs/Hr Processed: 425.3333333	Cumulative BBLs/Hr Processed: 419.4 bbl/hr				
Lead Supervisor: Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
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
	15:30		100	6.76	1.31
	16:30		100	6.81	1.03
	Chemical	Usage	Start Inv.	End Inv.	On Order
	Hcl Acid	213	1,725	1,512	YES
	Sodium Hydroxide	295	2,280	1,985	YES
Visitors: BO JACKSON					
Visitors:					
Visitors:					
Were there any abnormal operational issues onsite?					
NO					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:		XTO	
N/A					
Additional Comments					
ARRIVED AT LOCATION AT 5:30 AM. COMPLETED AND REVIEWED JSA. STARTED PROCESSING WATER TO FILL THE CLEAN TANKS. EVERYTHING WENT VERY WELL WITH US ONLY HAVING TO MAKE MINOR ADJUSTMENTS TO THE CAUSTIC AND ACID. ALL THE CLEAN TANKS ARE FULL.					

Appendix B
Table B-2

Date:	6/22/2012	Report Number:	17		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	5:30	am/pm	
Location:	Nash 29	Shift Offsite Time:	12:00 AM	am/pm	
Site Contact:	Bo Jackson		11	Total hrs.	
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER		
Processing Hrs Today:	11 hrs	Cumulative Processing Hrs:	33 hrs		
BBLs Processed Today:	3,555 bbls	Cumulative BBLs Processed:	12,835 bbls		
BBLs/Hr Processed:	323.1818182	Cumulative BBLs/Hr Processed:	388.9 bbl/hr		
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Adam Pollard	07:30		100	6.57
Crew:	Ken Erler	09:30		100	6.87
	Ray Lee	11:30		100	6.43
	Eddy McGruder	13:30		100	7.02
		15:30		100	7.1
		16:30		100	6.79
Visitors:	BO JACKSON	Chemical	Usage	Start Inv.	End Inv.
Visitors:		HcL Acid	197	1,512	1,315
Visitors:		Sodium Hydroxide	262	1,985	1,723
					On Order
					YES
					YES
Were there any abnormal operational issues onsite?					
HAD TO REPLACE ACID PUMP					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:		XTO	
N/A					
Additional Comments					
ARRIVED ON LOCATION AT 5:30 AM. COMPLETED AND REVIEWED JSA. STARTED PROCESSING WATER. HAD SMALL PROBLEM WITH ACID PUMP SHUTTING DOWN THROUGH OUT THE DAY, SO WE HAD TO CHANGE IT OUT. OTHER THEN THAT EVERYTHING WENT GOOD. WE HAD TO MAKE SMALL ADJUSTMENTS TO THE CAUSTIC AND ACID THROUGH OUT THE DAY.					

Appendix B
Table B-2

Date:	6/23/2012	Report Number:	18			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	5:00 am/pm			
Location:	Nash 29	Shift Offsite Time:	5:00 AM am/pm			
Site Contact:	Bo Jackson		23 Total hrs.			
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER			
Processing Hrs Today:	23 hrs	Cumulative Processing Hrs:	56 hrs			
BBLs Processed Today:	7,541 bbls	Cumulative BBLs Processed:	20,376 bbls			
BBLs/Hr Processed:	327.8695652	Cumulative BBLs/Hr Processed:	363.9 bbl/hr			
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Adam Pollard	07:00		100	7.23	1.98
Crew:	Ken Erler	13:00		100	6.97	1.76
	Ray 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 Order
		Hcl Acid	416	1,315	899	YES
		Sodium Hydroxide	590	1,723	1,133	YES
Visitors:	BO JACKSON					
Visitors:						
Visitors:						
Were there any abnormal operational issues onsite?						
NO						
Are there any additional supplies/equipment needed? If so, what items and when?						
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)?						
Person:		Company:				XTO
N/A						
Additional Comments						
ARRIVED AT LOCATION AT 5:00 AM. COMPLETED AND REVIEWED JSA. STARTED PROCESSING WATER TO FILL THE CLEAN TANKS. EVERYTHING WENT VERY WELL WITH US ONLY HAVING TO MAKE MINOR ADJUSTMENTS TO THE CAUSTIC AND ACID. WE RAN ALL NIGHT TO MAKE SURE WE HAD ENOUGH WATER.						

Appendix B
Table B-2

Date:	6/25/2012	Report Number:	20			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00 am/pm			
Location:	Nash 29	Shift Offsite Time:	5:00 PM am/pm			
Site Contact:	Bo Jackson		11 Total hrs.			
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER			
Processing Hrs Today:	4 hrs	Cumulative Processing Hrs:	75 hrs			
BBLs Processed Today:	1,450 bbls	Cumulative BBLs Processed:	25,632 bbls			
BBLs/Hr Processed:	362.5	Cumulative BBLs/Hr Processed:	341.8 bbl/hr			
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH	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
		N/A		N/A	N/A	N/A
Visitors:	BO JACKSON	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:		Hcl Acid	115	5,686	5,571	RECEIVED 5000 GALS
Visitors:		Sodium Hydroxide	150	220	70	YES
Were there any abnormal operational issues onsite?						
NO						
Are there any additional supplies/equipment needed? If so, what items and when?						
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)?						
Person:		Company:				XTO
N/A						
Additional Comments						
WE ARRIVED AT LOCATION AT 6:00 AM. COMPLETED AND REVIEWED JSA. INSTALLED CLEANED CELLS AND STARTED PROCESSING WATER. MADE SMALL ADJUSTMENTS TO THE CAUSTIC AND ACID. TOMORROW WE HAVE SCHEDULED A SLUDGE PULL. WE ALSO RECEIVED 5,000 GALLONS OF ACID AND ARE EXPECTING A LOAD OF CAUSTIC TOMORROW. EVERYTHING WENT VERY WELL TODAY.						

Appendix B
Table B-2

Date:	6/28/2012	Report Number:	23
		Unit Number:	8
Client:	XTO	Shift Onsite Time:	N/A am/pm
Location:	Nash 29	Shift Offsite Time:	N/A am/pm
Site Contact:	Bo Jackson		0 Total hrs.
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER
STAND BY			
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	75 hrs
BBLs Processed Today:	1,450 bbls	Cumulative BBLs Processed:	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 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
		N/A	N/A N/A N/A
		N/A	N/A N/A N/A
Visitors:	BO JACKSON	Chemical	Usage Start Inv. End Inv. On Order
Visitors:		Hcl Acid	0 5,686 5,686 CEIVED 5000 GA
Visitors:		Sodium Hydroxide	0 1,000 1,000 YES
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company:	XTO
N/A			
Additional Comments	SPOKE WITH BO JACKSON AND WE AGREED ON STARTING BACK UP ON THE 9TH OF JULY FOR THE FRAC ON THE 20TH... DUE TO POSSIBLE BACTERIA GROWTH WE WILL WAIT UNTIL CLOSER TO THE FRAC DATE...		

Appendix B
Table B-2

Date:	6/29/2012	Report Number:	24
		Unit Number:	8
Client:	XTO	Shift Onsite Time:	N/A am/pm
Location:	Nash 29	Shift Offsite Time:	N/A am/pm
Site Contact:	Bo Jackson		0 Total hrs.
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER
STAND BY			
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	75 hrs
BBLs Processed Today:	1,450 bbls	Cumulative BBLs Processed:	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 Turbidity
Lead Operator:			N/A 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
			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 N/A N/A
Visitors:	BO JACKSON	Chemical	Usage Start Inv. End Inv. On Order
Visitors:		Hcl Acid	0 5,686 5,686 CEIVED 5000 GA
Visitors:		Sodium Hydroxide	0 1,000 1,000 YES
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company:	XTO
N/A			
Additional Comments			
SPOKE WITH BO JACKSON AND WE AGREED ON STARTING BACK UP ON THE 9TH OF JULY FOR THE FRAC ON THE 20TH... DUE TO POSSIBLE BACTERIA GROWTH WE WILL WAIT UNTIL CLOSER TO THE FRAC DATE...			

Appendix B
Table B-2

Date: 7/1/2012		Report Number: 26		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 3:00 am/pm		
Location: Nash 29		Shift Offsite Time: 9:30 PM am/pm		
Site Contact: Bo Jackson		6 Total hrs.		
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 81 hrs		
BBLs Processed Today: 1,650 bbls		Cumulative BBLs Processed: 28,932 bbls		
BBLs/Hr Processed: 275		Cumulative BBLs/Hr Processed: 367.2 bbl/hr		
Lead Supervisor: Paul Worley		Readings:		
Lead Operator: RAY LEE		flow back	Volts/Amps	pH
Crew: EDDIE MCGRUBER				Turbidity
		0500	100	6.67
		0700	100	6.73
		0900	100	6.91
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
Visitors:		Chemical		
Visitors:		Usage	Start Inv.	End Inv.
Visitors:				On Order
		Hcl Acid	120	5,686
		Sodium Hydroxide	100	1,000
				900
				CEIVED 5000 GA
				YES
Were there any abnormal operational issues onsite?				
NO				
Are there any additional supplies/equipment needed? If so, what items and when?				
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)?				
Person:		Company:		XTO
N/A				
Additional Comments				
ARRIVED ON LOCATION AT 3:00 PM REVEIWD JSA.. DAVID LUNA CALLED ME AROUND 12:00 AM SAID THAT DIRTY TANKS WERE FULL AND WE NEEDED TO RUN WATER TO GET TANKS DOWN. AFTER INVESTIGATING , FOUND OUT THAT A VALVE WAS LEAKING AND WAS GOING INTO THE DIRTY TANKS... WE GOT THE DIRTY TANKS DOWN TO 9' AND LARRY ONEAL SAID THAT WOULD HOLD THEM OVER UNTIL BO JACKSON GETS BACK TO FIX VALVE. EVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO CHEMICAL.				

Appendix B
Table B-2

Date: 7/2/2012		Report Number: 27	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: N/A am/pm	
Location: Nash 29		Shift Offsite Time: N/A am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
STAND BY			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 75 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 25,632 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 341.8 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator:		flow back	Volts/Amps
Crew:			pH
			Turbidity
		N/A	N/A
Visitors: BO JACKSON		Chemical	
Visitors:		Usage	Start Inv.
Visitors:			End Inv.
			On Order
		Hcl Acid	0
		Sodium Hydroxide	0
			5,556
			900
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company:	XTO
N/A			
Additional Comments			
SPOKE WITH BO JACKSON AND WE AGREED ON STARTING BACK UP ON THE 9TH OF JULY FOR THE FRAC ON THE 20TH... DUE TO POSSIBLE BACTERIA GROWTH WE WILL WAIT UNTIL CLOSER TO THE FRAC DATE...			

Appendix B
Table B-2

Date: 7/5/2012		Report Number: 30	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: N/A am/pm	
Location: Nash 29		Shift Offsite Time: N/A am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
STAND BY			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 75 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 25,632 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 341.8 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		N/A	
Visitors: BO JACKSON		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 5,566 5,566	
		Sodium Hydroxide 0 900 900	
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
N/A			
Additional Comments			
STARTING BACK UP ON THE 9TH OF JULY FOR THE FRAC ON THE 20TH... DUE TO POSSIBLE BACTERIA GROWTH WE WILL WAIT UNTIL CLOSER TO THE FRAC DATE...			

Appendix B
Table B-2

Date: 7/13/2012		Report Number: 38	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 2:00 am/pm	
Location: Nash 29		Shift Offsite Time: 7:00 PM am/pm	
Site Contact: Bo Jackson		10 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 10 hrs		Cumulative Processing Hrs: 107 hrs	
BBLs Processed Today: 4,704 bbls		Cumulative BBLs Processed: 40,552 bbls	
BBLs/Hr Processed: 470.4		Cumulative BBLs/Hr Processed: 379.0 bbl/hr	
Lead Supervisor:	PAUL WORLEY	Readings:	flow back
Lead Operator:	ADAM POLLARD	800	Volts/Amps
Crew:	CHRIS ONEAL	1000	pH
	REGGIE WHITE	1200	Turbidity
		1400	
		0:00	
		0:00	
Visitors:		Chemical	Usage
Visitors:		Hcl Acid	345
Visitors:		Sodium Hydroxide	380
			Start Inv.
			5,181
			End Inv.
			4,836
			On Order
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company:	XTO
N/A			
Additional Comments			
ARRIVED ON LOCATION AT 2:00 AM REVEIUED JSA...STARTED PROCESSING WATER AT 3:00 AM... WE HAD TO WAIT SEVERAL HOURS FOR PUMP TO TRANFER WATER FROM CLEAN TANKS TO PIT TANK... EVERYTHING ELSE WENT WELL WITH MINOR ADJUSTMENTS TO CHEMICALS WE ALSO TREATED TANKS WITH BE6 FOR ANY POSSIBLE BACTERIA GROWTH.			

Appendix B
Table B-2

Date:	7/16/2012	Report Number:	41		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00	am/pm	
Location:	Nash 29	Shift Offsite Time:	4:00 PM	am/pm	
Site Contact:	Bo Jackson		7	Total hrs.	
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER		
Processing Hrs Today:	7 hrs	Cumulative Processing Hrs:	133 hrs		
BBLs Processed Today:	3,852 bbls	Cumulative BBLs Processed:	52,968 bbls		
BBLs/Hr Processed:	550.2857143	Cumulative BBLs/Hr Processed:	398.3 bbl/hr		
Lead Supervisor:	PAUL WORLEY	Readings:	flow back	Volts/Amps	pH
Lead Operator:	CHRIS ONEAL				Turbidity
Crew:	REGGIE WHITE	800		100	6.35
	REGGIE WHITE	1000		100	6.43
		1200		100	7.12
		1400		100	6.97
		0:00		N/A	N/A
		0:00		N/A	N/A
Visitors:	LARRY ONEAL	Chemical	Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	260	4,481	4,221
Visitors:		Sodium Hydroxide	285	2,800	2,515
					On Order
Were there any abnormal operational issues onsite?					
NO					
Are there any additional supplies/equipment needed? if so, what items and when?					
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)?					
Person:		Company:		XTO	
N/A					
Additional Comments					
ARRIVED ON LOCATION AT 6:00 AM REVEIWD JSA..STARTED PROCESSING WATER AT 6:30 AM... .. FILLED CLEAN TANKS AND SHUT DOWN FOR PUMP TO CATCH UP...EVERYTHING ELSE WENT WELL WITH MINOR ADJUSTMENTS TO CHEMICALS POISIDEN TANK HAS APPROX.35,000 BBLs. IN IT AS OF TODAY.					

Appendix B
Table B-2

Date: 7/17/2012		Report Number: 42	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00 am/pm	
Location: Nash 29		Shift Offsite Time: 2:00 PM am/pm	
Site Contact: Bo Jackson		6 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 139 hrs	
BBLs Processed Today: 2,352 bbls		Cumulative BBLs Processed: 55,320 bbls	
BBLs/Hr Processed: 392		Cumulative BBLs/Hr Processed: 398.0 bbl/hr	
Lead Supervisor:	PAUL WORLEY	Readings:	flow back
Lead Operator:	CHRIS ONEAL		Volts/Amps
Crew:	REGGIE WHITE	800	pH
		1000	Turbidity
		1200	
		N/A	
		0:00	
		0:00	
Visitors:	LARRY ONEAL	Chemical	Usage
Visitors:	JAMIE HARRIS	Hcl Acid	205
Visitors:	STEVEN TIPDEN	Sodium Hydroxide	180
			Start Inv.
			End Inv.
			On Order
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company:	XTO
N/A			
Additional Comments			
ARRIVED ON LOCATION AT 6:00 AM REVEIUED JSA..STARTED PROCESSING WATER AT 6:30 AM... .. FILLED CLEAN TANKS AND SHUT DOWN FOR PUMP TO CATCH UP.... POSIEDEN TANK IS 14" FROM THE TOP AND SHOULD HAVE AROUND 37,280 BBLs... CALLED THE MANUFACTURER FOR TANK HE RECOMMENDED WE STAY AROUND 12" FROM THE TOP... EVERYTHING ELSE WENT WELL WITH MINOR ADJUSTMENTS TO CHEMICAL			

Appendix B
Table B-2

Date: 7/18/2012		Report Number: 43	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00 am/pm	
Location: Nash 29		Shift Offsite Time: 6:00 PM am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
STAND BY WAITING ON FRAC			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 139 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 55,320 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 398.0 bbl/hr	
Lead Supervisor: PAUL WORLEY		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		800	
		1000	
		1200	
		N/A	
		0:00	
		0:00	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
N/A			
Additional Comments			
WAITING ON FRAC TO START.....POSIEDEN TANK IS 14" FROM THE TOP AND SHOULD HAVE AROUND 37,280 BBLs...THE MANUFACTURER FOR TANK HE RECOMMENDED WE STAY AROUND 12" FROM THE TOP...			

Appendix B
Table B-2

Date: 7/19/2012		Report Number: 44	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 16:00 am/pm	
Location: Nash 29		Shift Offsite Time: 9:00 PM am/pm	
Site Contact: Bo Jackson		3 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 3 hrs		Cumulative Processing Hrs: 142 hrs	
BBLs Processed Today: 1,141 bbls		Cumulative BBLs Processed: 56,461 bbls	
BBLs/Hr Processed: 380.333333		Cumulative BBLs/Hr Processed: 397.6 bbl/hr	
Lead Supervisor:	PAUL WORLEY	Readings:	flow back
Lead Operator:	CHRIS PERRY	800	Volts/Amps
Crew:		1000	pH
		1200	Turbidity
		N/A	
		N/A	
		0:00	
		0:00	
Visitors:		Chemical	Usage
Visitors:		Hcl Acid	145
Visitors:		Sodium Hydroxide	120
			Start Inv.
			4,016
			End Inv.
			3,871
			On Order
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company:	XTO
N/A			
Additional Comments			
GOT A CALL FROM BO JACKSON THAT THE DIRTY TANKS WERE FULL AND I TOLD HIM WE WOULD BE OUT TO GET THEM EMPTY...WE ARRIVED ON LOCATION AROUND 4 PM AND GOT TANKS DOWN SO THEY WOULD NOT OVER FLOW ANYMORE. EVERYTHING WENT WELL.			

Appendix B
Table B-2

Date: 7/21/2012		Report Number: 46	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 9:00 am/pm	
Location: Nash 29		Shift Offsite Time: 5:00 PM am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
STAND BY			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 149 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 58,597 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 393.3 bbl/hr	
Lead Supervisor: PAUL WORLEY		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		1200	
		1400	
		1600	
		N/A	
		0:00	
		0:00	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
N/A			
Additional Comments			
STAND BY WAITING ON FRAC.			

Appendix B
Table B-2

Date: 7/23/2012		Report Number: 48	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 9:00 am/pm	
Location: Nash 29		Shift Offsite Time: 5:00 PM am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
STAND BY			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 149 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 58,597 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 393.3 bbl/hr	
Lead Supervisor: PAUL WORLEY		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		1200 N/A N/A N/A	
		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	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 3,651 3,651	
		Sodium Hydroxide 0 2,035 2,035	
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
N/A			
Additional Comments			
STAND BY WAITING ON FRAC.			

Appendix B
Table B-2

Date: 7/24/2012		Report Number: 49			
		Unit Number: 8			
Client: XTO					
Location: Nash 29					
Site Contact: Bo Jackson					
Site Contact: Paul Worley					
Shift Onsite Time: 9:00 am/pm					
Shift Offsite Time: 5:00 PM am/pm					
		Total hrs. 0			
Present Onsite Activities: PROCESS WATER					
STAND BY					
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 149 hrs			
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 58,597 bbls			
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 393.3 bbl/hr			
Lead Supervisor: PAUL WORLEY					
Lead Operator:					
Crew:					
Visitors:					
Visitors:					
Visitors:					
	Readings:	flow back	Volts/Amps	pH	Turbidity
	1200		N/A	N/A	N/A
	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	
Were there any abnormal operational issues onsite?					
NO					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:		XTO	
N/A					
Additional Comments					
STAND BY WAITING ON FRAC.					

Appendix B
Table B-2

Date: 7/25/2012		Report Number: 50			
		Unit Number: 8			
Client: XTO	Shift Onsite Time: 9:00 am/pm				
Location: Nash 29	Shift Offsite Time: 5:00 PM am/pm				
Site Contact: Bo Jackson	0	Total hrs.			
Site Contact: Paul Worley	Present Onsite Activities: PROCESS WATER				
STAND BY					
Processing Hrs Today: 0 hrs	Cumulative Processing Hrs: 149 hrs				
BBLs Processed Today: 0 bbls	Cumulative BBLs Processed: 58,597 bbls				
BBLs/Hr Processed: #DIV/0!	Cumulative BBLs/Hr Processed: 393.3 bbl/hr				
Lead Supervisor: PAUL WORLEY	Readings:	flow back	Volts/Amps	pH	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
Visitors:					
Visitors:					
Visitors:					
Chemical Usage					
	Chemical	Usage	Start Inv.	End Inv.	On Order
	Hcl Acid	0	3,651	3,651	
	Sodium Hydroxide	0	2,035	2,035	
Were there any abnormal operational issues onsite?					
NO					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:			XTO
N/A					
Additional Comments					
STAND BY WAITING ON FRAC.					

Appendix B
Table B-2

Date: 7/26/2012		Report Number: 51	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 9:00 am/pm	
Location: Nash 29		Shift Offsite Time: 5:00 PM am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
STAND BY			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 149 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 58,597 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 393.3 bbl/hr	
Lead Supervisor: PAUL WORLEY		Readings:	
Lead Operator:		flow back	
Crew:		Volts/Amps	
		pH	
		Turbidity	
		1200 N/A N/A N/A	
		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	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 3,651 3,651	
		Sodium Hydroxide 0 2,035 2,035	
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
N/A			
Additional Comments			
STAND BY WAITING ON FRAC.			

Appendix B
Table B-2

Date: 8/1/2012		Report Number: 52	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 11:00 am/pm	
Location: Nash 29		Shift Offsite Time: 4:00 PM am/pm	
Site Contact: Bo Jackson		0 Total hrs.	
Site Contact: Jason Distall		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 149 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 58,597 bbls	
BBLs/Hr Processed: #DIV/0!		Cumulative BBLs/Hr Processed: 393.3 bbl/hr	
Lead Supervisor: Jason Distall		Readings:	
Lead Operator:		flow back	
Crew: Eddie McGruder		Volts/Amps	
Sammy Dean		pH	
Ray Lee		Turbidity	
		1200 N/A N/A	
		1400 N/A N/A	
		1600 N/A N/A	
		N/A N/A N/A	
		0:00 N/A N/A	
		0:00 N/A N/A	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 3,651 3,651	
		Sodium Hydroxide 67 2,035 1,968	
Were there any abnormal operational issues onsite?			
NO			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
N/A			
Additional Comments			
Filled weir and settling tanks to resume recycle operations 8-02-2012			

Appendix B
Table B-2

Date: 8/3/2012		Report Number: 54	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 5:30 am/pm	
Location: Nash 29		Shift Offsite Time: 4:00 PM am/pm	
Site Contact: Bo Jackson		10.5 Total hrs.	
Site Contact: Chad Edwards		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 158 hrs	
BBLs Processed Today: 3,351 bbls		Cumulative BBLs Processed: 63,340 bbls	
BBLs/Hr Processed: 558.5		Cumulative BBLs/Hr Processed: 400.9 bbl/hr	
Lead Supervisor: Chad Edwards		Readings:	
Lead Operator: Jason Distall		flow back	
Crew: Eddie McGruder		Volts/Amps	
Sammy Dean		pH	
Ray Lee		Turbidity	
		1200	
		1400	
		1500	
		N/A	
		0:00	
		0:00	
Visitors: Bo Jackson		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 345 3,508 3,163	
		Sodium Hydroxide 361 1,851 1,490	
Were there any abnormal operational issues onsite?			
No			
Are there any additional supplies/equipment needed? If so, what items and when?			
Yes, supply list will be complete tomorrow.			
Have there been any changes to the current schedule, including volumes needed by client?			
We are limited to approximately 2,000 bbls/day incoming produced water do to power outages.			
Has client provided any operational feedback (positive or negative)?			
Person:		Company: XTO	
No			
Additional Comments			
Water is treating very consistent, an occasional minor adjustment is needed. Increased rate to 410 gpm without effecting the water quality. Due to power outages in the area, Bo Jackson reported that XTO is currently only producing about 2,000 bbls/day. We had to shut down operation at 15:45. Tanks will be filling overnight. Not sure how much we will be able to treat tomorrow with limited produced water coming in.			

Appendix B
Table B-2

Date: 8/5/2012		Report Number: 56				
		Unit Number: 8				
Client: XTO		Shift Onsite Time: 6:00 am/pm				
Location: Nash 29		Shift Offsite Time: 4:00 PM am/pm				
Site Contact: Bo Jackson		11.5 Total hrs.				
Site Contact: Chad Edwards		Present Onsite Activities: PROCESS WATER				
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 172.75 hrs				
BBLs Processed Today: 3,263 bbls		Cumulative BBLs Processed: 71,506 bbls				
BBLs/Hr Processed: 543.8333333		Cumulative BBLs/Hr Processed: 413.9 bbl/hr				
Lead Supervisor:	Chad Edwards	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:		08:00		20v 100a	7.1	5.12
Crew	Eddie McGruder	10:00		20v 100a	7.09	4.03
	Sammy Dean	12:30		20v 100a	7.11	4.05
	Ray Lee	N/A		N/A	N/A	N/A
	Ken Ehler	N/A		N/A	N/A	N/A
	Adam Pollard	N/A		N/A	N/A	N/A
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:		Hcl Acid	326	2,658	2,332	
Visitors:		Sodium Hydroxide	331	982	651	
Were there any abnormal operational issues onsite?						
No						
Are there any additional supplies/equipment needed? If so, what items and when?						
No, supplies on order						
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						
Water is processing well. Incoming rate tomorrow should be about 4500 bbls.						

Appendix B
Table B-2

Date: 8/7/2012		Report Number: 58		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00 am/pm		
Location: Nash 29		Shift Offsite Time: 12:00 PM am/pm		
Site Contact: Bo Jackson		18 Total hrs.		
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 11 hrs		Cumulative Processing Hrs: 194 hrs		
BBLs Processed Today: 5,560 bbls		Cumulative BBLs Processed: 82,126 bbls		
BBLs/Hr Processed: 505.4545455		Cumulative BBLs/Hr Processed: 423.3 bbl/hr		
Lead Supervisor:	Paul Worley	Readings:	flow back	
Lead Operator:	Sammy Dean		Volts/Amps	
Crew	Eddie McGruder	08:00	100	pH
	Ray Lee	10:00	100	Turbidity
	Chris Ray	14:00	100	
	Reginald White	16:00	100	
		18:00	100	
		N/A	N/A	
Chemical	Usage	Start Inv.	End Inv.	On Order
Hcl Acid	375	3,750	3,375	received 4000 gal
Sodium Hydroxide	420	1,200	780	Yes
Visitors:	Bo Jackson			
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?				
SPLIT SHIFTS TO LET DIRTY TANKS FILL IN BETWEEN SHIFTS.				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:		XTO
Additional Comments				
ARRIVED ON LOCATION AT 6 AM REVIEWED JSARAN AS MUCH WATER AS WE COULD FROM DIRTY TANKS AND THEN SHUT DOWNNIGHT SHIFT ARRIVED AND CONTINUED CLEANING UNTIL THEY RAN OUT OF DIRTY WATER.EVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO THE CHEMICALS...WE WILL HAVE PLENTY OF WATER FOR FRAC ON THE 9th.				

Appendix B
Table B-2

Date:	8/8/2012	Report Number:	59		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00	am/pm	
Location:	Nash 29	Shift Offsite Time:	1:00 AM	am/pm	
Site Contact:	Bo Jackson		19	Total hrs.	
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER		
Processing Hrs Today:	12 hrs	Cumulative Processing Hrs:	206 hrs		
BBLs Processed Today:	4,126 bbls	Cumulative BBLs Processed:	86,252 bbls		
BBLs/Hr Processed:	343.8333333	Cumulative BBLs/Hr Processed:	418.7 bbl/hr		
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Ken Erler	08:00		100	7.21
Crew	Eddie McGruder	10:00		100	7.45
	Ray Lee	14:00		100	6.89
	Chris Perry	16:00		100	7.33
	Reginald White	18:00		100	7.1
		N/A		N/A	N/A
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	300	3,750	3,450
Visitors:		Sodium Hydroxide	335	3,280	2,945
					received 4000 gal
					received 2500 gal
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?					
SPLIT SHIFTS TO LET DIRTY TANKS FILL IN BETWEEN SHIFTS.					
Has client provided any operational feedback (positive or negative)?					
Person:		Company:		XTO	
Additional Comments					
ARRIVED ON LOCATION AT 6 AM REVIEWED JSARAN AS MUCH WATER AS WE COULD FROM DIRTY TANKS AND THEN SHUT DOWNNIGHT SHIFT ARRIVED AND CONTINUED CLEANING UNTIL THEY RAN OUT OF DIRTY WATER.EVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO THE CHEMICALS.					

Appendix B
Table B-2

Date: 8/9/2012		Report Number: 60		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00 am/pm		
Location: Nash 29		Shift Offsite Time: 1:00 AM am/pm		
Site Contact: Bo Jackson		12 Total hrs.		
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 8 hrs		Cumulative Processing Hrs: 214 hrs		
BBLs Processed Today: 3,441 bbls		Cumulative BBLs Processed: 89,693 bbls		
BBLs/Hr Processed: 430.125		Cumulative BBLs/Hr Processed: 419.1 bbl/hr		
Lead Supervisor: Paul Worley		Readings:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee				Turbidity
Chris Perry				
Reginald White				
Visitors: Bo Jackson		Chemical		
Visitors:		Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	351	3,450
		Sodium Hydroxide	374	2,945
				2,571
				no
				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?				
SPLIT SHIFTS TO LET DIRTY TANKS FILL IN BETWEEN SHIFTS.				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:		XTO
Additional Comments				
ARRIVED ON LOCATION AT 6 AM REVIEWED JSARAN AS MUCH WATER AS WE COULD FROM DIRTY TANKS AND THEN SHUT DOWNNIGHT SHIFT ARRIVED AND CONTINUED CLEANING UNTIL THEY RAN OUT OF DIRTY WATER.EVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO THE CHEMICALS.				

Appendix B
Table B-2

Date: 8/10/2012		Report Number: 61	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00 am/pm	
Location: Nash 29		Shift Offsite Time: 4:00 PM am/pm	
Site Contact: Bo Jackson		9 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 9 hrs		Cumulative Processing Hrs: 223 hrs	
BBLs Processed Today: 3,990 bbls		Cumulative BBLs Processed: 93,683 bbls	
BBLs/Hr Processed: 443.333333		Cumulative BBLs/Hr Processed: 420.1 bbl/hr	
Lead Supervisor:	Paul Worley	Readings:	flow back
Lead Operator:	Eddie McGruder		Volts/Amps
Crew:	Ray Lee	08:00	pH
	Chris Perry	10:00	Turbidity
	Reginald White	12:00	
		14:00	
		N/A	
		N/A	
Visitors:	Bo Jackson	Chemical	Usage
Visitors:		Hcl Acid	359
Visitors:		Sodium Hydroxide	403
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
Additional Comments			
ARRIVED ON LOCATION AT 6 AM REVIEWED JSARAN AS MUCH WATER AS WE COULD FROM DIRTY TANKS AND THEN SHUT DOWNEVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO THE CHEMICALS.			

Appendix B
Table B-2

Date: 8/11/2012		Report Number: 62		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00 am/pm		
Location: Nash 29		Shift Offsite Time: 6:00 PM am/pm		
Site Contact: Bo Jackson		10 Total hrs.		
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 10 hrs		Cumulative Processing Hrs: 233 hrs		
BBLs Processed Today: 4,279 bbls		Cumulative BBLs Processed: 97,962 bbls		
BBLs/Hr Processed: 427.9		Cumulative BBLs/Hr Processed: 420.4 bbl/hr		
Lead Supervisor: Paul Worley		Readings:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee				Turbidity
Chris Perry		08:00	100	6.87
Reginald White		10:00	100	6.43
		12:00	100	6.97
		14:00	100	6.89
		16:00	100	6.76
		N/A	N/A	N/A
		Chemical Usage		
		Chemical	Usage	Start Inv.
		Hcl Acid	385	2,389
		Sodium Hydroxide	411	1,794
				2,004
				1,383
				no
				no
Visitors: Bo Jackson				
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
Additional Comments				
ARRIVED ON LOCATION AT 6 AM REVIEWED JSAPROCESSED AS MUCH WATER AS WE COULD FROM DIRTY TANKSEVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO THE CHEMICALS.				

Appendix B
Table B-2

Date:	8/13/2012	Report Number:	64			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00 am/pm			
Location:	Nash 29	Shift Offsite Time:	6:00 PM am/pm			
Site Contact:	Bo Jackson		12 hrs Total hrs.			
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER			
Processing Hrs Today:	12 hrs	Cumulative Processing Hrs:	235 hrs			
BBLs Processed Today:	4,735 bbls	Cumulative BBLs Processed:	106,056 bbls			
BBLs/Hr Processed:	394.5833333	Cumulative BBLs/Hr Processed:	451.3 bbl/hr			
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH	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
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:		Hcl Acid	405	2,004	1,599	no
Visitors:		Sodium Hydroxide	411	1,794	1,383	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
Additional Comments						
Performed our morning JSA, Weather conditions some rain , slippery and muddy. Proper PPE when handling chemicals. Watch out for your co-workers. When lifting use the buddy system. XTO wells keep going down, have a crew working on them.						

Appendix B
Table B-2

Date: 8/14/2012		Report Number: 65		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00 am/pm		
Location: Nash 29		Shift Offsite Time: 6:00 PM am/pm		
Site Contact: Bo Jackson		14 hrs Total hrs.		
Site Contact: Sammy Deam		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 14 hrs		Cumulative Processing Hrs: 251 hrs		
BBLs Processed Today: 6,008 bbls		Cumulative BBLs Processed: 112,064 bbls		
BBLs/Hr Processed: 429.1428571		Cumulative BBLs/Hr Processed: 446.5 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee		08:00	100	6.87
Chris Perry		10:00	100	6.43
Reginald White		12:00	100	6.97
		14:00	100	6.89
		16:00	100	6.76
		N/A	N/A	N/A
		Chemical Usage		
		Chemical	Usage	Start Inv.
		Hcl Acid	525	2,004
		Sodium Hydroxide	598	1,794
				End Inv.
				1,479
				On Order
				no
				no
Visitors: Bo Jackson				
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
Additional Comments				
Performed our morning JSA, Proper PPE when handling chemicals. Team work help each other out know where our musting area is. XTO Still trying to get wells back up and online. Placed an order for Caustic will not be here till Friday morning.				

Appendix B
Table B-2

Date: 8/17/2012		Report Number: 68	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00 am/pm	
Location: Nash 29		Shift Offsite Time: 6:00 PM am/pm	
Site Contact: Bo Jackson		4 hrs Total hrs.	
Site Contact: Sammy Deam		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 4 hrs		Cumulative Processing Hrs: 282 hrs	
BBLs Processed Today: 1,009 bbls		Cumulative BBLs Processed: 122,411 bbls	
BBLs/Hr Processed: 252.25		Cumulative BBLs/Hr Processed: 434.1 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Eddie McGruder		flow back	
Crew: Ray Lee		Volts/Amps	
Chris Pery		pH	
Reginald White		Turbidity	
		08:00 100 6.87 1.97	
		10:00 100 6.43 1.89	
		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	
Visitors: Bo Jackson		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 150 1,124 974 no	
		Sodium Hydroxide 130 3,930 3,800 Yes	
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	
Additional Comments			
Performed our morning JSA, Proper PPE when handling chemicals. Caustic will not show up until Monday 08-20-2012. Replace the Yardney Media Filter box on the Brown Bear. Raining watch walking area muddy and slippery			

Appendix B
Table B-2

Date: 8/18/2012		Report Number: 69	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00 am/pm	
Location: Nash 29		Shift Offsite Time: 6:00 PM am/pm	
Site Contact: Bo Jackson		6 hrs Total hrs.	
Site Contact: Sammy Deam		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 288 hrs	
BBLs Processed Today: 2,885 bbls		Cumulative BBLs Processed: 125,296 bbls	
BBLs/Hr Processed: 480.833333		Cumulative BBLs/Hr Processed: 435.1 bb/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Eddie McGruder		flow back	
Crew: Ray Lee		Volts/Amps	
Chris Perry		pH	
Reginald White		Turbidity	
		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
		N/A	
Visitors: Bo Jackson		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
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	
Additional Comments			
Performed our morning JSA Proper PPE drink plenty of fluid. Watch out for each other.			

Appendix B
Table B-2

Date: 8/19/2012		Report Number: 70																																		
		Unit Number: 8																																		
Client: XTO		Shift Onsite Time: 6:00 am/pm																																		
Location: Nash 29		Shift Offsite Time: 6:00 PM am/pm																																		
Site Contact: Bo Jackson		4 hrs Total hrs.																																		
Site Contact: Sammy Deam		Present Onsite Activities: PROCESS WATER																																		
Processing Hrs Today: 4 hrs		Cumulative Processing Hrs: 292 hrs																																		
BBLs Processed Today: 1,009 bbls		Cumulative BBLs Processed: 126,305 bbls																																		
BBLs/Hr Processed: 252.25		Cumulative BBLs/Hr Processed: 432.6 bbl/hr																																		
Lead Supervisor: Sammy Dean	<table border="1"> <tr><td>Readings:</td><td>flow back</td><td>Volts/Amps</td><td>pH</td><td>Turbidity</td></tr> <tr><td>08:00</td><td></td><td>100</td><td>6.87</td><td>1.97</td></tr> <tr><td>10:00</td><td></td><td>100</td><td>6.43</td><td>1.89</td></tr> <tr><td>12:00</td><td></td><td>100</td><td>6.97</td><td>1.78</td></tr> <tr><td>14:00</td><td></td><td>100</td><td>6.89</td><td>1.43</td></tr> <tr><td>16:00</td><td></td><td>100</td><td>6.76</td><td>1.56</td></tr> <tr><td>N/A</td><td></td><td>N/A</td><td>N/A</td><td>N/A</td></tr> </table>	Readings:	flow back	Volts/Amps	pH	Turbidity	08:00		100	6.87	1.97	10:00		100	6.43	1.89	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
Readings:		flow back	Volts/Amps	pH	Turbidity																															
08:00			100	6.87	1.97																															
10:00			100	6.43	1.89																															
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																																
Lead Operator: Eddie McGruder																																				
Crew: Ray Lee																																				
	Chris Perry																																			
	Reginald White																																			
Visitors: Bo Jackson	<table border="1"> <tr><td>Chemical</td><td>Usage</td><td>Start Inv.</td><td>End Inv.</td><td>On Order</td></tr> <tr><td>Hcl Acid</td><td>125</td><td>3,669</td><td>3,544</td><td>yes</td></tr> <tr><td>Sodium Hydroxide</td><td>150</td><td>3,550</td><td>3,400</td><td>No</td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table>	Chemical	Usage	Start Inv.	End Inv.	On Order	Hcl Acid	125	3,669	3,544	yes	Sodium Hydroxide	150	3,550	3,400	No																				
Chemical		Usage	Start Inv.	End Inv.	On Order																															
Hcl Acid		125	3,669	3,544	yes																															
Sodium Hydroxide	150	3,550	3,400	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																																			
Additional Comments																																				
Shut down due to cracked 4" Tee .Shut down system to fix leak. Returned to processing water																																				

Appendix B
Table B-2

Date:	8/20/2012	Report Number:	71		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00	am/pm	
Location:	Nash 29	Shift Offsite Time:	6:00 PM	am/pm	
Site Contact:	Bo Jackson		12 hrs	Total hrs.	
Site Contact:	Sammy Deam	Present Onsite Activities:	Maintenance		
Maint on Unit					
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	292 hrs		
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	126,305 bbls		
BBLs/Hr Processed:	#DIV/0!	Cumulative BBLs/Hr Processed:	432.6 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Eddie McGruder	08:00		100	6.87
Crew	Ray Lee	10:00		100	6.43
	Chris Perry	12:00		100	6.97
	Reginald White	14:00		100	6.89
		16:00		100	6.76
		N/A		N/A	N/A
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.
Visitors:		HcL Acid	0	3,544	3,544
Visitors:		Sodium Hydroxide	0	3,400	3,400
					On Order
					yes
					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	
Additional Comments					
Replace 4 " line on Brown bear waiting for glue to cure. Continue operations 8/21					

Appendix B
Table B-2

Date: 8/21/2012		Report Number: 72	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 5:00 am/pm	
Location: Nash 29		Shift Offsite Time: 11:00 PM am/pm	
Site Contact: Bo Jackson		18 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 8 hrs		Cumulative Processing Hrs: 300 hrs	
BBLs Processed Today: 3,208 bbls		Cumulative BBLs Processed: 129,513 bbls	
BBLs/Hr Processed: 401		Cumulative BBLs/Hr Processed: 431.7 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Chris Perry		flow back	
Crew: Reginald White		Volts/Amps	
		pH	
		Turbidity	
		16:30 110 7.54 0.64	
		18:30 110 7 1.67	
		20:30 110 7.02 1.67	
		22:30 110 7.34 1.25	
		N/A N/A N/A N/A	
		N/A N/A N/A N/A	
Visitors: Bo Jackson		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 400 5,300 4,900 No	
		Sodium Hydroxide 350 2,980 2,630 No	
Were there any abnormal operational issues onsite?			
No			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
No			
Additional Comments			
Presiding tank is full, will not send nomore water to this tank till date of frac job. Started filling holding tanks.			

Appendix B
Table B-2

Date: 8/23/2012		Report Number: 74		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 10:00 am/pm		
Location: Nash 29		Shift Offsite Time: 7:00 PM am/pm		
Site Contact: Bo Jackson		9 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 5 hrs		Cumulative Processing Hrs: 308 hrs		
BBLs Processed Today: 2,648 bbls		Cumulative BBLs Processed: 133,580 bbls		
BBLs/Hr Processed: 529.6		Cumulative BBLs/Hr Processed: 433.7 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Chris Perry		flow back	Volts/Amps	pH
Crew: Reginald White				Turbidity
		13:00	110	6.44
		15:00	110	7.03
		17:00	110	7.14
		18:00	110	7
		N/A	N/A	N/A
		N/A	N/A	N/A
Visitors: Bo Jackson		Chemical	Usage	Start Inv.
Visitors:		Hcl Acid	150	4,700
Visitors:		Sodium Hydroxide	375	2,455
				End Inv.
				On Order
Were there any abnormal operational issues onsite?				
Rain and wind				
Are there any additional supplies/equipment needed? If so, what items and when?				
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)?				
Person:		Company:		XTO
No				
Additional Comments				
Filled holding tanks to 13 feet as per Bo Jackson's instructions. All tanks are full waiting for Frac date.				

Appendix B
Table B-2

Date:	8/26/2012	Report Number:	77	
		Unit Number:	8	
Client:	XTO	Shift Onsite Time:	10:00	am/pm
Location:	Nash 29	Shift Offsite Time:	7:00 PM	am/pm
Site Contact:	Bo Jackson		9 hrs	Total hrs.
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance	
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	308 hrs	
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	133,580 bbls	
BBLs/Hr Processed:	0	Cumulative BBLs/Hr Processed:	433.7 bbl/hr	
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps
Lead Operator:	Chris Perry			pH
Crew:	Reginald White	13:00		Turbidity
		15:00		N/A
		17:00		N/A
		18:00		N/A
		N/A		N/A
		N/A		N/A
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.
Visitors:		Hcl Acid	0	4,700
Visitors:		Sodium Hydroxide	0	2,455
				End Inv.
				On Order
				No
				No
Were there any abnormal operational issues onsite?				
No				
Are there any additional supplies/equipment needed? If so, what items and when?				
No				
Have there been any changes to the current schedule, including volumes needed by client?				
Standy- by as per customer request				
Has client provided any operational feedback (positive or negative)?				
Person:		Company:		XTO
No				
Additional Comments				
Did not run today all equipment is filled. Water in weir tanks is clear. Trying to get a pressure washer to clean out Brown Bear.				

Appendix B
Table B-2

Date: 8/28/2012		Report Number: 79	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 8:00 am/pm	
Location: Nash 29		Shift Offsite Time: 5:00 am/pm	
Site Contact: Bo Jackson		9 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 308 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 133,580 bbls	
BBLs/Hr Processed: 0		Cumulative BBLs/Hr Processed: 433.7 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Chris Perry		flow back	
Crew: Reginald White		Volts/Amps	
		pH	
		Turbidity	
		13:00	
		15:00	
		17:00	
		18:00	
		N/A	
Visitors: Bo Jackson		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		0	
		4,700	
		4,550	
		No	
		Sodium Hydroxide	
		0	
		2,455	
		2,080	
		No	
Were there any abnormal operational issues onsite?			
Poseidon tank off location developed 2 leaks. Operation has been on standby until leaks can be repaired			
Are there any additional supplies/equipment needed? If so, what items and when?			
No			
Have there been any changes to the current schedule, including volumes needed by client?			
Standby as per customer request			
Has client provided any operational feedback (positive or negative)?			
Person:		Company: XTO	
No			
Additional Comments			
Did not process water today. All tanks are full. Poseidon tank under repair with 2 leaks So complete repairs 8/30/12.			

Appendix B
Table B-2

Date: 8/29/2012		Report Number: 80	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 8:00 am/pm	
Location: Nash 29		Shift Offsite Time: 5:00 am/pm	
Site Contact: Bo Jackson		9 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 308 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 133,580 bbls	
BBLs/Hr Processed: 0		Cumulative BBLs/Hr Processed: 433.7 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Chris Perry		flow back	
Crew: Reginald White		Volts/Amps	
		pH	
		Turbidity	
		13:00	
		15:00	
		17:00	
		18:00	
		N/A	
Visitors: Bo Jackson		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
Were there any abnormal operational issues onsite?			
Poseidon tank off location developed 2 leaks. Operation has been on standby until leaks can be repaired			
Are there any additional supplies/equipment needed? If so, what items and when?			
No			
Have there been any changes to the current schedule, including volumes needed by client?			
Standby as per customer request			
Has client provided any operational feedback (positive or negative)?			
Person:		Company: XTO	
No			
Additional Comments			
Did not process water today. All tanks are full. Poseidon tank under repair with 2 leaks So complete repairs 8/31/12. Mr. Jackson advised we should be able to start cleaning water on Friday 31st Day Of August 2012, sometime that evening.			

Appendix B
Table B-2

Date: 8/31/2012		Report Number: 82				
		Unit Number: 8				
Client: XTO		Shift Onsite Time: 12:00:00PM am/pm				
Location: Nash 29		Shift Offsite Time: 0:00 am/pm				
Site Contact: Bo Jackson		12 hrs Total hrs.				
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water				
Processing Hrs Today: 10 hrs		Cumulative Processing Hrs: 318 hrs				
BBLs Processed Today: 5,125 bbls		Cumulative BBLs Processed: 138,705 bbls				
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 436.2 bbl/hr				
Lead Supervisor: Sammy Dean		Readings:				
Lead Operator: Chris Perry		flow back	Volts/Amps	pH		
Crew: Reginald White				Turbidity		
		14:00	110	5.31		
		16:00	110	6.54		
		18:00	110	7.01		
		20:00	110	6.57		
		22:00	110	7.2		
		N/A	N/A	N/A		
		Chemical Usage Start Inv. End Inv. On Order				
		Hcl Acid	0	4,550	4,200	No
		Sodium Hydroxide	0	2,080	1,800	No
Visitors: Bo Jackson						
Visitors:						
Visitors:						
Were there any abnormal operational issues onsite?						
No						
Are there any additional supplies/equipment needed? If so, what items and when?						
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)?						
Person:		Company:		XTO		
No						
Additional Comments						
Poseidon tank has been repaired. We started running water today, there are no issues at this time. We will run through out the night or till dirty tanks level is down to 4 inches.						

Appendix B
Table B-2

Date: 9/1/2012		Report Number: 83	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 12:00:00AM am/pm	
Location: Nash 29		Shift Offsite Time: 21:00 am/pm	
Site Contact: Bo Jackson		11 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water	
Processing Hrs Today: 9 hrs		Cumulative Processing Hrs: 327 hrs	
BBLs Processed Today: 6,101 bbls		Cumulative BBLs Processed: 139,681 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 427.2 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Chris Perry		flow back	
Crew: Reginald White		Volts/Amps	
		pH	
		Turbidity	
		00:00 110 6.8 0.886	
		02:00 110 7 0.968	
		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	
		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 Jackson			
Visitors:			
Visitors:			
Were there any abnormal operational issues onsite?			
No			
Are there any additional supplies/equipment needed? If so, what items and when?			
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)?			
Person:		Company: XTO	
No			
Additional Comments			
Received about 600 gallons of Caustic from Oxy Location. Order a load of caustic to be here on 09/06/2012.			

Appendix B
Table B-2

Date:	9/2/2012	Report Number:	84		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 29	Shift Offsite Time:	18:00	am/pm	
Site Contact:	Bo Jackson		12 hrs	Total hrs.	
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water		
Processing Hrs Today:	8 hrs	Cumulative Processing Hrs:	335 hrs		
BBLs Processed Today:	4,483 bbls	Cumulative BBLs Processed:	138,063 bbls		
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	412.1 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Kenneth Erler	08:00		108	7.56
Crew:	Fermin Valdez	10:00		108	7.35
		12:00		108	7.89
		14:00		108	7.46
		16:00:00 PM		108	6.8
		18:00:00 PM		108	6.654
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	0	3,800	3,500
Visitors:		Sodium Hydroxide	0	1,500	1,200
					On Order
					No
					Yes
Were there any abnormal operational issues onsite?					
No					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:		XTO	
No					
Additional Comments					
Keep losing power. Going to try and run till we are down to 4".					

Appendix B
Table B-2

Date:	9/3/2012	Report Number:	85		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 29	Shift Offsite Time:	19:00	am/pm	
Site Contact:	Bo Jackson		11 hrs	Total hrs.	
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water		
Processing Hrs Today:	6 hrs	Cumulative Processing Hrs:	341 hrs		
BBLs Processed Today:	4,394 bbls	Cumulative BBLs Processed:	137,974 bbls		
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	404.6 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Kenneth Erler	08:00		108	6.86
Crew:	Fermin Valdez	10:00		108	6.9
	Eddie MrGruder	12:00		108	7.54
	Ray Lee	14:00		108	7.68
		16:00:00 PM		108	7.43
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	0	3,500	3,200
Visitors:		Sodium Hydroxide	0	1,200	900
					On Order
					No
					Yes
Were there any abnormal operational issues onsite?					
No					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:		XTO	
No					
Additional Comments					

Appendix B
Table B-2

Date: 9/4/2012		Report Number: 86		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm		
Location: Nash 29		Shift Offsite Time: 18:00 am/pm		
Site Contact: Bo Jackson		12 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water		
Processing Hrs Today: 9 hrs		Cumulative Processing Hrs: 350 hrs		
BBLs Processed Today: 4,844 bbls		Cumulative BBLs Processed: 138,424 bbls		
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 395.5 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Kenneth Erler		flow back	Volts/Amps	pH
Crew: Fermin Valdez			108	7.89
Ray Lee			108	6.9
			108	7.35
			108	7.55
			108	7.12
				1.21
Visitors: Bo Jackson		Chemical	Usage	Start Inv.
Visitors:		Hcl Acid	0	3,200
Visitors:		Sodium Hydroxide	0	900
				2,900
				600
				No
				Yes
Were there any abnormal operational issues onsite?				
No				
Are there any additional supplies/equipment needed? If so, what items and when?				
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)?				
Person:		Company:		XTO
No				
Additional Comments				

Appendix B
Table B-2

Date:	9/5/2012	Report Number:	87		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 29	Shift Offsite Time:	0:00	am/pm	
Site Contact:	Bo Jackson		18 hrs	Total hrs.	
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water		
Processing Hrs Today:	12 hrs	Cumulative Processing Hrs:	362 hrs		
BBLs Processed Today:	5,113 bbls	Cumulative BBLs Processed:	163,640 bbls		
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	452.0 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Kenneth Erler	08:00		108	6.54
Crew:	Fermin Valdez	10:00		108	6.84
	Ray Lee	12:00		108	7.25
	Adam Pollard	14:00		108	7.35
	Eddie McGruder	20:00		108	7.21
		22:00		108	7.85
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.
Visitors:		HcL Acid	0	2,900	2,500
Visitors:		Sodium Hydroxide	0	600	1,425
					On Order
					No
					Yes
Were there any abnormal operational issues onsite?					
No					
Are there any additional supplies/equipment needed? If so, what items and when?					
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)?					
Person:		Company:		XTO	
No					
Additional Comments					
Performed JAS everyone aware of their task for today. Worked on house keeping. Took 4 totes of Caustic from yard. Load of Caustic will arrive tomorrow evening around 1800 hours NMT.					

Appendix B
Table B-2

Date:	9/6/2012	Report Number:	88			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 29	Shift Offsite Time:	0:00 am/pm			
Site Contact:	Bo Jackson		18 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water			
Processing Hrs Today:	6 hrs	Cumulative Processing Hrs:	368 hrs			
BBLs Processed Today:	2,786 bbls	Cumulative BBLs Processed:	166,426 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	452.2 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	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				
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:		Hcl Acid	0	2,500	2,350	Yes
Visitors:		Sodium Hydroxide	0	1,425	6,200	No
Were there any abnormal operational issues onsite?						
No						
Are there any additional supplies/equipment needed? If so, what items and when?						
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)?						
Person:		Company:				XTO
No						
Additional Comments						
Caustic arrived to location around 5:00 pm. Brown bear System 1 and system 2 blinded off. Ordered load of acid to be on location on 09-07-2012.						

Appendix B
Table B-2

Date: 9/7/2012		Report Number: 89				
		Unit Number: 8				
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm				
Location: Nash 29		Shift Offsite Time: 0:00 am/pm				
Site Contact: Bo Jackson		18 hrs Total hrs.				
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water				
Processing Hrs Today: 12 hrs		Cumulative Processing Hrs: 380 hrs				
BBLs Processed Today: 6,480 bbls		Cumulative BBLs Processed: 172,906 bbls				
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 455.0 bbl/hr				
Lead Supervisor: Sammy Dean		Readings:				
Lead Operator: Kenneth Erler		flow back	Volts/Amps	pH	Turbidity	
Crew: Fermin Valdez		10:00	108	6.75	0.456	
Ray Lee		12:00	108	6.89	0.573	
Adam Pollard		14:00	108	6.69	0.654	
Eddie McGruder		16:00	108	7.32	0.768	
		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 Jackson						
Visitors:						
Visitors:						
Were there any abnormal operational issues onsite?						
Brown bear went down, went to Odessa picked up another unit.						
Are there any additional supplies/equipment needed? If so, what items and when?						
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)?						
Person:		Company:		XTO		
No						
Additional Comments						
Went to Odessa and picked up another Brown Bear Unit. Acid did not show up PO was never create. Acid will be on location at 0800 hours on 09-07-2012. XTO is hauling in fresh water for this Frac Job.						

Appendix B
Table B-2

Date:	9/8/2012	Report Number:	90			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 29	Shift Offsite Time:	0:00 am/pm			
Site Contact:	Bo Jackson		18 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water			
Processing Hrs Today:	16 hrs	Cumulative Processing Hrs:	396 hrs			
BBLs Processed Today:	6,480 bbls	Cumulative BBLs Processed:	179,386 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	453.0 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Kenneth Erier	10:00		108	7.12	0.789
Crew	Fermin Valdez	12:00		108	7.34	0.889
	Ray Lee	14:00		108	7.54	0.987
	Adam Pollard	16:00		108	7.32	0.785
	Eddie 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 Order
		Hcl Acid	0	6,400	6,000	NO
		Sodium Hydroxide	0	5,800	5,550	No
Visitors:	Bo Jackson					
Visitors:						
Visitors:						
Were there any abnormal operational issues onsite?						
No						
Are there any additional supplies/equipment needed? If so, what items and when?						
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)?						
Person:		Company:				XTO
No						
Additional Comments						
Performed JSA, started raining throughout the night. Posidon Tank is filled for next Frac.						

Appendix B
Table B-2

Date: 9/9/2012		Report Number: 91	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 29		Shift Offsite Time: 18:00 am/pm	
Site Contact: Bo Jackson		12 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water	
Processing Hrs Today: 3 hrs		Cumulative Processing Hrs: 399 hrs	
BBLs Processed Today: 1,230 bbls		Cumulative BBLs Processed: 180,616 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 452.7 bbl/hr	
Lead Supervisor:	Sammy Dean	Readings:	flow back
Lead Operator:	Kenneth Erler	10:00	Volts/Amps
Crew:	Eddie McGruder	12:00	pH
	Ray Lee	13:00	Turbidity
	Adam Pollard	16:00	
		18:00	
		20:00	
Visitors:	Bo Jackson	Chemical	Usage
Visitors:		Hcl Acid	Start Inv.
Visitors:		Sodium Hydroxide	End Inv.
			On Order
Were there any abnormal operational issues onsite?			
No			
Are there any additional supplies/equipment needed? if so, what items and when?			
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)?			
Person:		Company:	XTO
No			
Additional Comments			
Performed JSA, filled holding tanks. Did maintenance and house keeping on units.			

Appendix B
Table B-2

Date:	9/10/2012	Report Number:	92		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 49	Shift Offsite Time:	18:00	am/pm	
Site Contact:	Bo Jackson		12 hrs	Total hrs.	
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water		
Processing Hrs Today:	4 hrs	Cumulative Processing Hrs:	403 hrs		
BBLs Processed Today:	2,277 bbls	Cumulative BBLs Processed:	182,893 bbls		
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	453.8 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Kenneth Erler	10:00		110	7
Crew	Eddie McGruder	12:00		110	7.43
	Ray Lee	13:00		N/A	N/A
	Adam Pollard	16:00		N/A	N/A
		18:00		N/A	N/A
		20:00		N/A	N/A
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	0	5,950	5,800
Visitors:		Sodium Hydroxide	0	5,400	5,250
					On Order
					NO
					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					
We have 2 weeks to catch next job, we will need approximately 34,000 lbs.					

Appendix B
Table B-2

Date: 9/11/2012		Report Number: 93	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 1:00 PM am/pm	
Site Contact: Bo Jackson		5 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water	
Processing Hrs Today: 1 hrs		Cumulative Processing Hrs: 404 hrs	
BBLS Processed Today: 935 bbls		Cumulative BBLS Processed: 183,828 bbls	
BBLS/Hr Processed: 512.5		Cumulative BBLS/Hr Processed: 455.0 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Ray Lee		flow back	
Crew: Eddie McGruder		Volts/Amps	
		pH	
		Turbidity	
		10:00 110 7 0.198	
		12:00 N/A N/A N/A	
		13:00 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	
Visitors: Bo Jackson		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 5,800 5,750 NO	
		Sodium Hydroxide 0 5,250 5,200 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			
Pulled Sludge and cleaned tanks.			

Appendix B
Table B-2

Date:	9/12/2012	Report Number:	94			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 49	Shift Offsite Time:	18:00:00 PM am/pm			
Site Contact:	Bo Jackson		12 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Processing Water			
Processing Hrs Today:	6 hrs	Cumulative Processing Hrs:	410 hrs			
BBLs Processed Today:	2,513 bbls	Cumulative BBLs Processed:	186,341 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	454.5 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Ray Lee	10:00		110	7	0.198
Crew:	Eddie McGruder	12:00		110	7.65	0.285
		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
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:		HCl Acid	0	5,750	5,500	NO
Visitors:		Sodium Hydroxide	0	5,200	5,000	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						
Performed ISA dkrink plenty of fluid and watch out for each other.						

Appendix B
Table B-2

Date: 9/13/2012		Report Number: 95	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 18:00:00 PM am/pm	
Site Contact: Bo Jackson		12 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water	
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 416 hrs	
BBLs Processed Today: 2,206 bbls		Cumulative BBLs Processed: 188,547 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 453.2 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Ray Lee		flow back	
Crew: Eddie McGruder		Volts/Amps	
		pH	
		Turbidity	
		10:00	
		12:00	
		14:00	
		16:00	
		18:00	
		20:00	
Visitors: Bo Jackson		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 5,750 5,500 NO	
		Sodium Hydroxide 0 5,200 5,000 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			
Performed JSA drink plenty of fluid and watch out for each other.			

Appendix B
Table B-2

Date: 9/14/2012		Report Number: 96		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm		
Location: Nash 49		Shift Offsite Time: 18:00:00 PM am/pm		
Site Contact: Bo Jackson		12 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: Processing Water		
Processing Hrs Today: 6 hrs		Cumulative Processing Hrs: 416 hrs		
BBLs Processed Today: 2,206 bbls		Cumulative BBLs Processed: 188,547 bbls		
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 453.2 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Adam Pollard		flow back	Volts/Amps	pH
Crew: Ray Lee				Turbidity
		10:00	110	6.89
		12:00	110	7.24
		14:00	110	7.13
		16:00	N/A	N/A
		18:00	N/A	N/A
		20:00	N/A	N/A
Visitors: Bo Jackson		Chemical	Usage	Start Inv.
Visitors:		Hcl Acid	0	5,750
Visitors:		Sodium Hydroxide	0	5,200
				5,500
				5,000
				No
				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				
Performed JSA drink plenty of fluid and watch out for each other.				

Appendix B
Table B-2

Date:	9/15/2012	Report Number:	97			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 49	Shift Offsite Time:	18:00:00 PM am/pm			
Site Contact:	Bo Jackson		12 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance			
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	416 hrs			
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	188,547 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	463.2 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
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
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:		Hcl Acid	0	5,500	5,500	NO
Visitors:		Sodium Hydroxide	0	5,000	5,000	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						
Maintenance and Repair						

Appendix B
Table B-2

Date: 9/16/2012		Report Number: 98	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 18:00:00 PM am/pm	
Site Contact: Bo Jackson		12 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 416 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 188,547 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 453.2 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Adam Pollard		flow back	
Crew: Ray Lee		Volts/Amps	
		pH	
		Turbidity	
		10:00 N/A N/A N/A	
		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	
Visitors: Bo Jackson		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 5,500 5,500 NO	
		Sodium Hydroxide 0 5,000 5,000 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	
XTO pump is down, trying to gravity feed clean water from holding tanks to Poseidon Tank.			
Additional Comments			
Maintenance and Repair Waiting on XTO to tell us to start running again.			

Appendix B
Table B-2

Date: 9/17/2012		Report Number: 99		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm		
Location: Nash 49		Shift Offsite Time: 18:00:00 PM am/pm		
Site Contact: Bo Jackson		12 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance		
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 416 hrs		
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 188,547 bbls		
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 453.2 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee				Turbidity
		10:00	N/A	N/A
		12:00	N/A	N/A
		14:00	N/A	N/A
		16:00	N/A	N/A
		18:00	N/A	N/A
		20:00	N/A	N/A
Visitors: Bo Jackson		Chemical	Usage	Start Inv.
Visitors:		Hcl Acid	0	5,500
Visitors:		Sodium Hydroxide	0	5,000
				End Inv.
				5,500
				5,000
				On Order
				NO
				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
XTO pump is down, trying to gravity feed clean water from holding tanks to Poseidon Tank.				
Additional Comments				
Maintenance and Repair Waiting on XTO to tell us to start running again.				

Appendix B
Table B-2

Date:	9/18/2012	Report Number:	100			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 49	Shift Offsite Time:	18:00:00 PM am/pm			
Site Contact:	Bo Jackson		12 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance			
Processing Hrs Today:	8 hrs	Cumulative Processing Hrs:	424 hrs			
BBLs Processed Today:	3,005 bbls	Cumulative BBLs Processed:	191,552 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	451.8 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Eddie McGruder	10:00		110	6.89	0.785
Crew:	Ray 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
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	Select Services	HCl Acid	0	5,500	5,200	NO
Visitors:		Sodium Hydroxide	0	5,000	4,750	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						
Select Services will use teir pump to pump water from holding tanks to Poseidon Tank.						

Appendix B
Table B-2

Date: 9/19/2012		Report Number: 101	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 14:00:00 PM am/pm	
Site Contact: Bo Jackson		8 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 3 hrs		Cumulative Processing Hrs: 427 hrs	
BBLs Processed Today: 1,366 bbls		Cumulative BBLs Processed: 192,918 bbls	
BBLs/Hr Processed: 612.5		Cumulative BBLs/Hr Processed: 451.8 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Eddie McGruder		flow back	
Crew: Ray Lee		Volts/Amps	
		pH	
		Turbidity	
		10:00 110 6.89 0.785	
		12:00 110 7.54 0.983	
		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	
Visitors: Bo Jackson		Chemical	
Visitors: Select Services		Usage	
Visitors: Bo Wells		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 5,200 5,100 NO	
		Sodium Hydroxide 0 4,750 4,700 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	
Additional Comments			
Select Services will use teir pump to pump water from holding tanks to Poseidon Tank.			

Appendix B
Table B-2

Date:	9/20/2012	Report Number:	102			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 49	Shift Offsite Time:	20:00:00 PM am/pm			
Site Contact:	Bo Jackson		14 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance			
Processing Hrs Today:	8 hrs	Cumulative Processing Hrs:	435 hrs			
BBLs Processed Today:	4,476 bbls	Cumulative BBLs Processed:	197,394 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	453.8 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Eddie McGruder	10:00		110	7.78	1.90
Crew:	Ray 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
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	Select Services	Hcl Acid	0	5,100	4,800	NO
Visitors:	Bo Wells	Sodium Hydroxide	0	4,700	4,400	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.						

Appendix B
Table B-2

Date: 9/21/2012		Report Number: 103	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 20:00:00 PM am/pm	
Site Contact: Bo Jackson		14 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 2 hrs		Cumulative Processing Hrs: 437 hrs	
BBLs Processed Today: 1,967 bbls		Cumulative BBLs Processed: 199,361 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 456.2 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Eddie McGruder		flow back	
Crew: Ray Lee		Volts/Amps	
Christopher Perry		pH	
		Turbidity	
		10:00	
		12:00	
		14:00	
		16:00	
		18:00	
		20:00	
Visitors: Bo Jackson		Chemical	
Visitors: Select Services		Usage	
Visitors: Bo Wells		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
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.			

Appendix B
Table B-2

Date:	9/22/2012	Report Number:	104			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 49	Shift Offsite Time:	12:00 PM am/pm			
Site Contact:	Bo Jackson		14 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance			
Processing Hrs Today:	4 hrs	Cumulative Processing Hrs:	441 hrs			
BBLs Processed Today:	2,982 bbls	Cumulative BBLs Processed:	202,343 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	458.8 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Eddie McGruder	10:00		110	6.84	1.67
Crew	Ray Lee	12:00		110	7.35	1.02
	Christopher Perry	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
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	Select Services	Hcl. Acid	0	4,750	4,600	NO
Visitors:	Bo Wells	Sodium Hydroxide	0	4,350	4,200	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						
JSA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer water to poseidon tank.						

Appendix B
Table B-2

Date:	9/23/2012	Report Number:	105		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 49	Shift Offsite Time:	12:00 PM	am/pm	
Site Contact:	Bo Jackson		14 hrs	Total hrs.	
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance		
Processing Hrs Today:	2 hrs	Cumulative Processing Hrs:	443 hrs		
BBLS Processed Today:	1,441 bbbs	Cumulative BBLS Processed:	203,784 bbbs		
BBLS/Hr Processed:	512.5	Cumulative BBLS/Hr Processed:	460.0 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Eddie McGruder	10:00		110	6.79
Crew:	Ray Lee	12:00		N/A	N/A
	Christopher Perry	14:00		N/A	N/A
		16:00		N/A	N/A
		18:00		N/A	N/A
		20:00		N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.
		Hcl Acid	0	4,600	4,500
		Sodium Hydroxide	0	4,200	4,100
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		
Additional Comments					
JSA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer water to poseidon tank.					

Appendix B
Table B-2

Date: 9/24/2012		Report Number: 106		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm		
Location: Nash 49		Shift Offsite Time: 12:00 PM am/pm		
Site Contact: Bo Jackson		14 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: Process Water/Maintenance		
Processing Hrs Today: 2 hrs		Cumulative Processing Hrs: 445 hrs		
BBLs Processed Today: 1,156 bbls		Cumulative BBLs Processed: 204,940 bbls		
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 460.5 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee				Turbidity
Christopher Perry		10:00	110	7.54
Reginald White		12:00	N/A	N/A
		14:00	N/A	N/A
		16:00	N/A	N/A
		18:00	N/A	N/A
		20:00	N/A	N/A
Visitors: Bo Jackson		Chemical	Usage	Start Inv.
Visitors: Select Services		Hcl. Acid	0	4,500
Visitors: Bo Wells		Sodium Hydroxide	0	4,100
				End Inv.
				On Order
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				
JSA performed, did maintenance on units and housekeeping. Filled holding tanks to 13' waiting on select well service to come out and transfer water to poseidon tank.				

Appendix B
Table B-2

Date:	9/25/2012	Report Number:	107
		Unit Number:	8
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm
Location:	Nash 49	Shift Offsite Time:	12:00 PM am/pm
Site Contact:	Bo Jackson		6 hrs Total hrs.
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	445 hrs
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	204,940 bbls
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	460.5 bbl/hr
Lead Supervisor:	Sammy Dean	Readings:	flow back Volts/Amps pH Turbidity
Lead Operator:	Eddie McGruder	10:00	N/A N/A N/A
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	N/A N/A N/A
		18:00	N/A N/A N/A
		20:00	N/A N/A N/A
Visitors:	Bo Jackson	Chemical	Usage Start Inv. End Inv. On Order
Visitors:	Select Services	Hcl Acid	0 4,450 4,450 NO
Visitors:	Bo Wells	Sodium Hydroxide	0 4,050 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			
JSA performed, did maintenance on units and housekeeping.			

Appendix B
Table B-2

Date: 9/26/2012		Report Number: 108	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 12:00 PM am/pm	
Site Contact: Bo Jackson		6 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Process Water/Maintenance	
Processing Hrs Today: 4 hrs		Cumulative Processing Hrs: 449 hrs	
BBLs Processed Today: 2,970 bbls		Cumulative BBLs Processed: 207,910 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 463.1 bbl/hr	
Lead Supervisor:	Sammy Dean	Readings:	flow back
Lead Operator:	Eddie McGruder	10:00	Volts/Amps
Crew:	Ray Lee	12:00	pH
	Christopher Perry	14:00	Turbidity
	Reginald White	16:00	
		18:00	
		20:00	
Visitors:	Bo Jackson	Chemical	Usage
Visitors:	Select Services	Hcl Acid	Start Inv.
Visitors:	Bo Wells	Sodium Hydroxide	End Inv.
			On Order
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			
JSA performed, did maintenance on units and housekeeping. Process Water waiting on select to transfer water from holding tanks to Poseidon Tank.			

Appendix B
Table B-2

Date:	9/27/2012	Report Number:	109		
		Unit Number:	8		
Client:	XTO	Shift Onsite Time:	6:00:00AM	am/pm	
Location:	Nash 49	Shift Offsite Time:	12:00 PM	am/pm	
Site Contact:	Bo Jackson		6 hrs	Total hrs.	
Site Contact:	Sammy Dean	Present Onsite Activities:	Process Water/Maintenance		
Processing Hrs Today:	2 hrs	Cumulative Processing Hrs:	451 hrs		
BBLs Processed Today:	1,045 bbls	Cumulative BBLs Processed:	208,955 bbls		
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	463.3 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Eddie McGruder	10:00		110	7.54
Crew:	Ray Lee	12:00		N/A	N/A
	Christopher Perry	14:00		N/A	N/A
	Reginald White	16:00		N/A	N/A
		18:00		N/A	N/A
		20:00		N/A	N/A
		Chemical	Usage	Start Inv.	End Inv.
		Hcl Acid	0	4,200	4,100
		Sodium Hydroxide	0	3,800	3,700
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	
Additional Comments					
JSA performed, did maintenance on units and housekeeping. Process Water waiting on select to transfer water from holding tanks to Poseidon Tank. Filled up Poseidon Tank Frac Job started today have enough water for job.					

Appendix B
Table B-2

Date:	9/28/2012	Report Number:	110			
		Unit Number:	8			
Client:	XTO	Shift Onsite Time:	6:00:00AM am/pm			
Location:	Nash 49	Shift Offsite Time:	12:00 PM am/pm			
Site Contact:	Bo Jackson		6 hrs Total hrs.			
Site Contact:	Sammy Dean	Present Onsite Activities:	Maintenance			
Processing Hrs Today:	0 hrs	Cumulative Processing Hrs:	451 hrs			
BBLs Processed Today:	0 bbls	Cumulative BBLs Processed:	208,955 bbls			
BBLs/Hr Processed:	512.5	Cumulative BBLs/Hr Processed:	463.3 bbl/hr			
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	Eddie McGruder	10:00		N/A	N/A	N/A
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		N/A	N/A	N/A
		18:00		N/A	N/A	N/A
		20:00		N/A	N/A	N/A
Visitors:	Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	Select Services	Hcl Acid	0	4,100	4,100	NO
Visitors:	Bo Wells	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
Additional Comments						
JSA Performed waiting on XTO to schedule the sludge pull. House cleaning working on units.						

Appendix B
Table B-2

Date: 9/29/2012		Report Number: 111		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm		
Location: Nash 49		Shift Offsite Time: 12:00 PM am/pm		
Site Contact: Bo Jackson		6 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance		
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 451 hrs		
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 208,955 bbls		
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 463.3 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee				Turbidity
Christopher Perry		10:00	N/A	N/A
Reginald White		12:00	N/A	N/A
		14:00	N/A	N/A
		16:00	N/A	N/A
		18:00	N/A	N/A
		20:00	N/A	N/A
Visitors: Bo Jackson		Chemical	Usage	Start Inv.
Visitors: Select Services		Hcl Acid	0	4,100
Visitors: Bo Wells		Sodium Hydroxide	0	3,700
				End Inv.
				On Order
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				
JSA Performed waiting on XTO to schedule the sludge pull. House cleaning working on units.				

Appendix B
Table B-2

Date: 9/30/2012		Report Number: 112	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 12:00 PM am/pm	
Site Contact: Bo Jackson		6 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 451 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 208,955 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 463.3 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Eddie McGruder		flow back	
Crew: Ray Lee		Volts/Amps	
Christopher Perry		pH	
Reginald White		Turbidity	
		10:00	
		12:00	
		14:00	
		16:00	
		18:00	
		20:00	
Visitors: Bo Jackson		Chemical	
Visitors: Select Services		Usage	
Visitors: Bo Wells		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 4,100 4,100 NO	
		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	
Additional Comments			
JSA Performed waiting on XTO to schedule the sludge pull. House cleaning working on units.			

Appendix B
Table B-2

Date: 10/1/2012		Report Number: 113	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 12:00 PM am/pm	
Site Contact: Bo Jackson		6 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Maintenance	
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 451 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 208,955 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 463.3 bbl/hr	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Christopher Perry		flow back	
Crew: Reginald White		Volts/Amps	
		pH	
		Turbidity	
		10:00	
		12:00	
		14:00	
		16:00	
		18:00	
		20:00	
Visitors: Bo Jackson		Chemical	
Visitors: Select Services		Usage	
Visitors: Bo Wells		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
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			
JSA performed Started sludge pull today did not finished. Will continue pulling sludge on Tuesday 10/02/2012. Bo Jackson will get an electrician out on location tomorrow to unplugged all the electricity.			

Appendix B
Table B-2

Date: 10/5/2012		Report Number: 114	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 6:00:00AM am/pm	
Location: Nash 49		Shift Offsite Time: 12:00 PM am/pm	
Site Contact: Bo Jackson		6 hrs Total hrs.	
Site Contact: Sammy Dean		Present Onsite Activities: Rig Down	
Rig down units			
Processing Hrs Today: 0 hrs		Cumulative Processing Hrs: 0 hrs	
BBLs Processed Today: 0 bbls		Cumulative BBLs Processed: 208,955 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: #DIV/0!	
Lead Supervisor: Sammy Dean		Readings:	
Lead Operator: Christopher Perry		flow back	
Crew: Reginald White		Volts/Amps	
		pH	
		Turbidity	
		10:00 N/A N/A N/A	
		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	
Visitors: Bo Jackson		Chemical	
Visitors: Robert Rink		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 4,100 4,100 NO	
		Sodium Hydroxide 0 3,700 3,700 No	
Were there any abnormal operational issues onsite?			
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?			
Operation completed			
Has client provided any operational feedback (positive or negative)?			
Person:		Company: XTO	
Additional Comments			
Operation Completed. Rig down Equipment			

APPENDIX C



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.