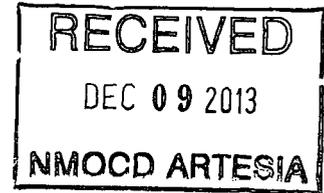


R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

December 5, 2013

Mr. Brad Jones
NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505



RE: C-144 Closure Report for the Poseidon Modular Impoundment.
Operator: XTO Energy. API #: 30-015-29434.
Unit Letter J Section 13 T23S R29E.

Dear Mr. Jones:

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 C-144 application *"Nash Draw Unit #29 modular impoundment (Atlantis system) for temporary storage of treated produced water"* dated June 13, 2012. The location of the modular impoundment is on Plate 1. Plate 2 is a plat of the location.

On June 20th, 2012, XTO Energy began sending treated water from Halliburton's CleanWave system, located at Nash Unit #53 SWD, to the Poseidon Modular Impoundment (Poseidon tank). On June 25, 2012, the first well, Nash Unit 39H, was hydraulically fractured using treated water from the Poseidon tank. On September 26th, 2012, the last well, Nash Unit 49, was fractured using treated water from the Poseidon tank. The transfer completion date, in lieu of rig release date, was October 5, 2012 as noted on Form C-105 per approved C-144 plan.

CLOSURE NOTIFICATIONS

Closure activities for the Poseidon tank began on October 15, 2012. Notification of closure activities were sent to Mr. Bratcher (NMOCD), Mr. Jones (NMOCD), and Mr. Jim Amos (BLM) via email on October 12, 2012. Closure notification to the surface owner (BLM) was sent via certified mail return receipt. A copy of the receipt is presented in Appendix A.

MODULAR IMPOUND CLOSURE

On October 15, 2012 Poseidon Concepts began the disassembly of the Poseidon tank. Due to the oily nature of remaining fluid in the



Figure 1: One of the four roll-offs containing liner material that was transported to R360.

Poseidon tank, the fluid was removed using a vacuum truck and transported to R360 (formerly CRI) in Lea County, NM. The closure plan originally stated that remaining fluid would be injected into the Nash Unit 53 SWD (API#: 3001539400) well.

Poseidon Concepts transported all reusable pipes, pumps, and tank walls to their field yard. The tank liner was deposited into four 20-cu. yrd. roll-offs (Figure 1) and transported to R360 for proper disposal.

OPERATION LOGS

Operation logs for the Poseidon tank and the CleanWave system are presented in Appendix B. As noted in Tables B-1 and B-2, on August 27th, 2012 the Poseidon tank liner seam split slightly 1-foot from the top of the tank and approximately 3 barrels of fluid escaped. Mr. Randy Green of XTO Energy mobilized water haul trucks to the site and lowered the water level to prevent further leakage. The water was transferred to Nash Draw 49 H and Nash Draw Unit # 57 H for use in well stimulation. Water levels in the tank were kept below the split and the seam was repaired to prevent further leakage. The release was reported on Form 141 and submitted to NMOCD District 2 on March 15, 2013.

SPILL RELEASE NOTIFICATION AND CORRECTION ACTION

A spill "Release Notification and Corrective Action" Form C-141 was submitted to NMOCD District 2 on March 15, 2013. Corrective action reproduced from the Final Spill Report (C-141) is summarized below.

Between November 13, 2012 and June 24, 2013, soil samples were obtained to determine the magnitude, extent, and background hydrocarbon and chloride concentrations associated with the reported release. Table 1 summarizes the results of soil sampling. Plate 3 shows the locations of the soil samples. Plate 4 shows the extent of the remediation area.

Table 1: Soil chemistry summary results

Sample ID	Date	Depth (ft)	Chloride mg/kg	EC uS/cm	Benzene mg/kg	BTEX mg/kg	TPH mg/kg	GRO/DRO mg/kg
NMAC 19.15.17.13.B(1).b			500 or background		0.2	50	2,500	500
Tank Composite	11/13/2012	1.0	7,500	NS	<0.49	ND	<20	<10
BG Composite	11/13/2012	1.0	3,000	NS	<0.49	ND	<20	<10
Trench Sample	2/11/2013	2.0	3,480	8,010	NS	NS	NS	NS
Trench Sample	2/11/2013	4.0	2,120	3,020	NS	NS	NS	NS
Trench Sample	2/11/2013	6.0	2,000	7,050	NS	NS	NS	NS
Background Sample	6/24/2013	1.5	2,960	NS	NS	NS	NS	NS
Background Sample	6/24/2013	3.0	2,440	NS	NS	NS	NS	NS
Background Sample	6/24/2013	4.5	2,920	NS	NS	NS	NS	NS
Background Sample	6/24/2013	6.0	1,880	NS	NS	NS	NS	NS
Background Sample	6/24/2013	7.5	1,380	NS	NS	NS	NS	NS
Background Sample	6/24/2013	8.0	1,500	NS	NS	NS	NS	NS

Notes

1. ND = non-detect
- 2 NS = not sampled

On November 13, 2012, Hicks Consultants collected two on-site 5-point composite soil samples for closure of the modular impoundment employed for hydraulic fracturing of five wells in 2012.

The point samples for the Tank Composite and BG Composite were collected approximately two inches below the caliche pad/soil interface at a depth of approximately 1-foot. The Trench Sample consisted of discrete samples at 2, 4, and 6 foot depths. Table 2 summarizes the lithology of the Trench Sample.

Table 2: Lithology of Trench Sample

Depth (ft)	Description
0 - 1	Caliche pad
1 - 4	Top soil (loamy sand), dark brown, moist
4 - 6	Top soil, reddish brown, moist
6	Medim sand w/caliche, hard, brown, moist

Note: native hard caliche was observed below 6 feet.

The Tank Composite sample with a chloride concentration of 7,500 mg/kg (see Table 1) indicates production activities have impacted the western half of the caliche pad. The BG Composite sample has a chloride concentration comparable to the Trench Sample at the 2 foot depth (3,480 mg/kg).

On February 11, 2013; in support of the C-141 initial report submission, Hicks Consultants performed additional characterization to determine the vertical extent of chloride in soil near the western edge of the former modular impoundment, in proximity of the reported release. The "Trench Sample" identified in Table 1 and on Plate 3 represents the February 2013 sample.

Soil chloride concentrations at the Trench Sample (collected within the area of the Tank Composite sample) show chloride concentrations are decreasing with depth, from 3,480 mg/kg at 2 feet to 2,000 mg/kg at 6 feet and indicate that the majority of chloride impairment is limited to the production pad surface.

On June 24, 2013 we sampled an off-site background location (Background Sample) per C-141/Part 29 approval conditions/stipulations for release event 2RP-1674. The background location was located in an area not impacted by past or current production activities.

Table 3: Chloride concentration comparison between an on-site and off-site (background)

Depth (+/- 0.5 ft)	Chloride (mg/kg)	
	Trench Sample	Background Sample
1.5 - 2	3,480	2,960
4	2,120	2,920
6	2,000	1,880

Comparing the on-site Trench Sample (Table 3) to the off-site Background Sample at depths below 2-feet bgs, the on-site chloride concentrations are either near or lower than off-site background concentrations.

The chemistry and lithology of the trench samples suggest that:

- the moist soil at a depth of 6 feet, which exhibits approximately 2,000 mg/kg chloride, is likely impacted by shallow groundwater wicking up from the underlying brine groundwater zone,
- the moist soil near the surface (Trench Sample) was likely from recent precipitation events and past releases at the site,
- soil at depths from 1 to 5 feet below surface have chloride and EC concentrations that will support vegetation. Re-vegetation of the impacted area is included in the C-141 remediation plan and also satisfies BLM's request for interim reclamation, and
- the eastern portion of the location is not measurably impaired by production activities as the BG sample result (3,000 mg/kg) is not different from the background samples

Removing the upper 2-feet of soil within the remediation area as shown on Plate 2 will remediate the observed higher chlorides and allow for vegetation.

The Final Report for the C-141 was submitted to NMOCD District 2 on December 5, 2013. Photo documentation of the remediation activities is located in Appendix C.

The location is currently an active well site. To return the site to pre-existing conditions, the three "Y" shaped trenches associated with the modular impoundment were backfilled with caliche (Figure 2) and graded even with the existing production pad (Figure 3).

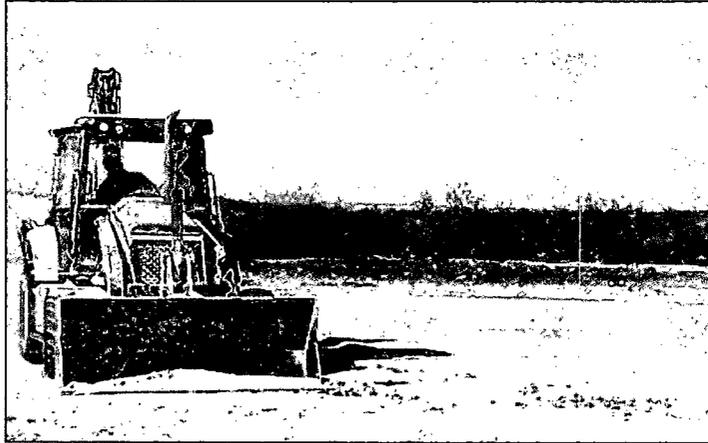


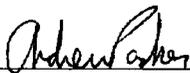
Figure 2: Backfilling a "Y" shaped trench with caliche.



Figure 3: Location reclaimed to pre-existing conditions graded even with the active production pad.

Please contact us at 505-266-5004 if you have any questions or comments.

Sincerely,
R.T. Hicks Consultants



Andrew Parker
Durango Field Office

Copy: David Luna, XTO Energy

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised August 1, 2011
		1. WELL API NO. 30-015-29434
		2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN
		3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: <input type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input checked="" type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)	5. Lease Name or Unit Agreement Name 6. Well Number: <p style="text-align: center; font-size: 1.2em;">Nash Unit #29</p>
---	--

7. Type of Completion:
 NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR **OTHER C-144 Closure Report**

8. Name of Operator XTO Energy, Inc	9. OGRID 5380
---	-------------------------

10. Address of Operator 200 N. Loraine, Suite 800 Midland, TX 79701	11. Pool name or Wildcat
---	--------------------------

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released October 5, 2012	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
18. Total Measured Depth of Well		19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
	DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>)			Well Status (<i>Prod. or Shut-in</i>)		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>)	

29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>)	30. Test Witnessed By
---	-----------------------

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. **See Plates 1 and 2.**

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

	Latitude	Longitude	NAD 1927 1983
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature	Printed Name	Title	Date
	David Luna	Operations Engineer	December 05, 2013
E-mail Address David_Luna@xtoenergy.com			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
Revised August 1, 2011

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

- Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Modification to an existing permit
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

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

1.
Operator: XTO Energy, Inc OGRID #: 5380
Address: 200 N. Loraine, Suite 800 Midland, TX 79701
Facility or well name: Nash Unit #29
API Number: 30-015-29434 OCD Permit Number: _____
U/L or Qtr/Qtr J Section 13 Township 23S Range 29E County: Eddy
Center of Proposed Design: Latitude N 32.30322 Longitude W 103.93719 NAD: 1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
 Permanent Emergency Cavitation P&A Other: Modular impoundment for temporary storage of treated produced water
 Lined Unlined Liner type: Thickness 30 mil LLDPE HDPE PVC Other Vertical steel foam-insulated panels that support liner
 String-Reinforced
Liner Seams: Welded Factory Other _____ Volume: 41,000 bbl Dimensions: L-----x W-----x D-----
Diameter: 157 ft. Height: 12 ft

3.
 Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
 Drying Pad Above Ground Steel Tanks Haul-off Bins Other _____
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
Liner Seams: Welded Factory Other _____

4.
 Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: _____ bbl Type of fluid: _____
Tank Construction material: _____
 Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
 Visible sidewalls and liner Visible sidewalls only Other _____
Liner type: Thickness _____ mil HDPE PVC Other _____

5.
 Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.
Fencing: Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)
 Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
 Four foot height, four strands of barbed wire evenly spaced between one and four feet
 Alternate. Please specify Modular impoundment walls are 12 feet high; no fencing necessary.

7.
Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)
 Screen Netting Other _____
 Monthly inspections (If netting or screening is not physically feasible)

8.
Signs: Subsection C of 19.15.17.11 NMAC
 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
 Signed in compliance with 19.15.16.8 NMAC See photos in Appendix SSI-1

9.
Administrative Approvals and Exceptions:
 Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.
Please check a box if one or more of the following is requested, if not leave blank:
 Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
 Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURES 1a,1b
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURE 2
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA SEE FIGURE 3
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURE 4
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURE 5
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURE 6
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURE 7
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No SEE FIGURE 8
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SEE FIGURE 9

11.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.

Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: _____

Previously Approved Operating and Maintenance Plan API Number: _____ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Climatological Factors Assessment
- Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- Quality Control/Quality Assurance Construction and Installation Plan
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Nuisance or Hazardous Odors, including H₂S, Prevention Plan
- Emergency Response Plan
- Oil Field Waste Stream Characterization
- Monitoring and Inspection Plan
- Erosion Control Plan
- Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

Proposed Closure: 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System

Alternative Modular impoundment for temporary storage of treated produced water

Proposed Closure Method: Waste Excavation and Removal

Waste Removal (Closed-loop systems only)

On-site Closure Method (Only for temporary pits and closed-loop systems)

In-place Burial On-site Trench Burial

Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)

Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?

Yes (If yes, please provide the information below) No

Required for impacted areas which will not be used for future service and operations:

Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

18.

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19. **Operator Application Certification:**
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): David Luna Title: Operations Engineer
 Signature: *David Luna* Date: 06/13/2012
 e-mail address: David_Luna@xtoenergy.com Telephone: 432-620-6742

20. **OCD Approval:** Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: *[Signature]* Approval Date: 6/14/12
 Title: Environmental Engineer OCD Permit Number: _____

21. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

Closure Completion Date: November 13, 2012

22. **Closure Method:**
 Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
 If different from approved plan, please explain. Modular impoundment closure - hauled off-site

23. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**
Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: R360 Disposal Facility Permit Number: R-9166
 Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
 Yes (If yes, please demonstrate compliance to the items below) No

Required for impacted areas which will not be used for future service and operations:
 Site Reclamation (Photo Documentation)
 Soil Backfilling and Cover Installation
 Re-vegetation Application Rates and Seeding Technique

24. **Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

Proof of Closure Notice (surface owner and division)
 Proof of Deed Notice (required for on-site closure)
 Plot Plan (for on-site closures and temporary pits)
 Confirmation Sampling Analytical Results (if applicable)
 Waste Material Sampling Analytical Results (required for on-site closure)
 Disposal Facility Name and Permit Number
 Soil Backfilling and Cover Installation
 Re-vegetation Application Rates and Seeding Technique
 Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: 1927 1983

25. **Operator Closure Certification:**
 I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

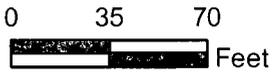
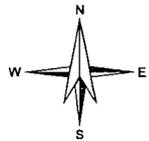
Name (Print): David Luna Title: Operations Engineer
 Signature: *David Luna* Date: 12/05/2013
 e-mail address: David_Luna@xtoenergy.com Telephone: 432-620-6742

PLATES



Legend
 Modular impoundment location

State of Michigan © AND © 2013 Nokia © AND



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

Modular Impoundment Location
 XTO Energy: Nash Draw 29
 C-144 closure for modular impoundment

Plate 1
 December 2012

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-102
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-29434		² Pool Code 47545		³ Pool Name NASH DRAW BRUSHY CANYON OIL POOL	
⁴ Property Code 010735		NASH UNIT		⁵ Property Name	
⁷ OGRID No. 021712		STRATA PRODUCTION		⁶ Well Number 29	
¹ Operator Name				⁸ Elevation 2991.	

¹⁰ Surface Location

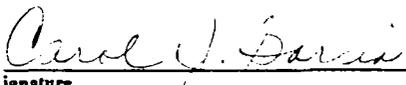
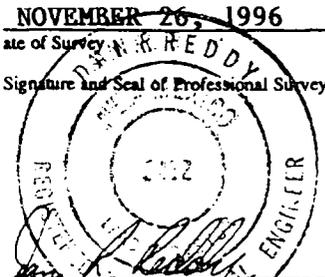
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	13	23-S	29-E		1980	SOUTH	2310	EAST	EDDY

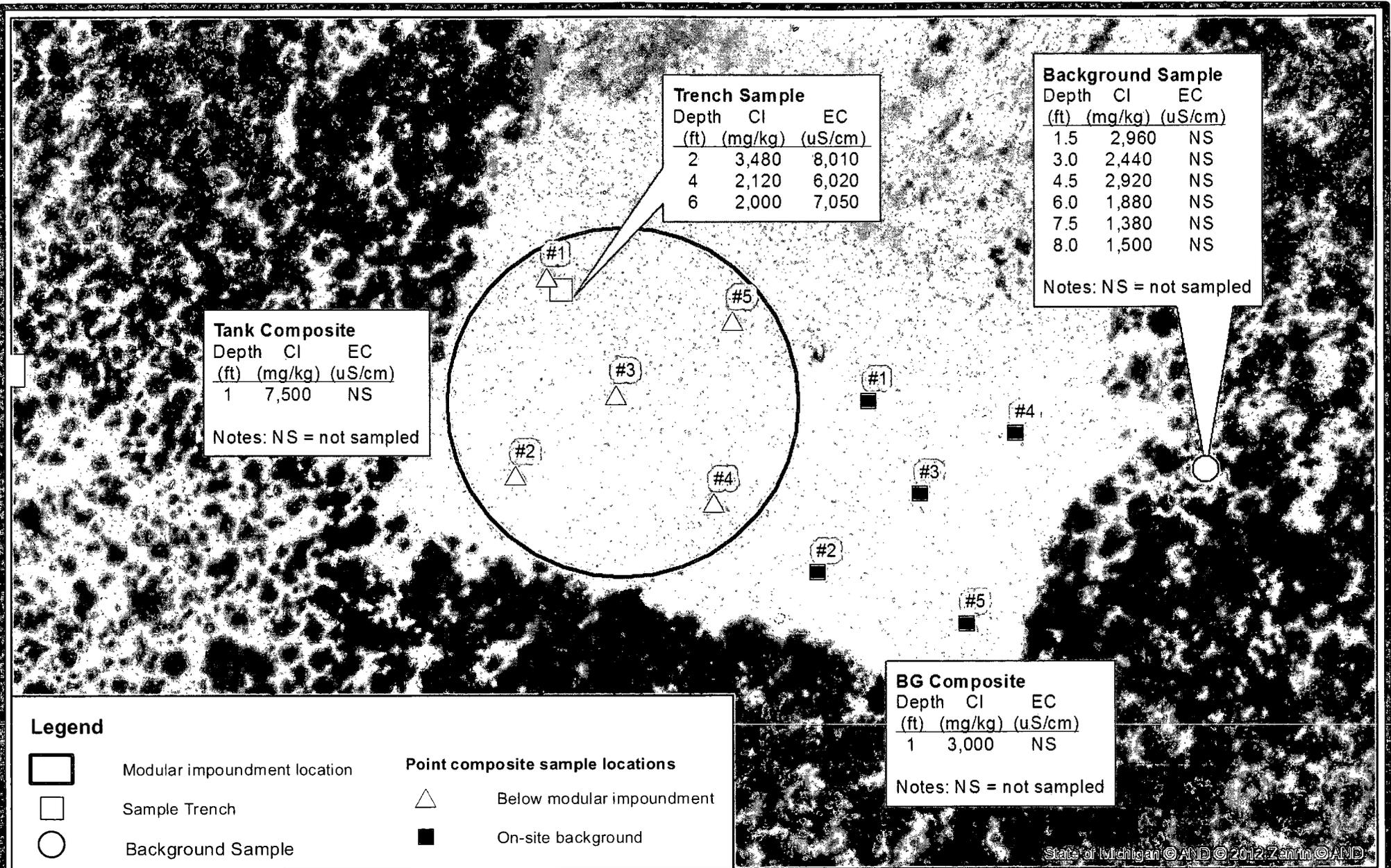
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

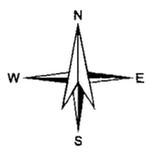
¹² Dedicated Acres 40.00	¹³ Joint or Infill N	¹⁴ Consolidation Code U	¹⁵ Order No.
--	------------------------------------	---------------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
					 Signature CAROL J. GARCIA Printed Name PRODUCTION RECORDS MANAGER Title JANUARY 15, 1997 Date	
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
				NOVEMBER 26, 1996 Date of Survey  Signature and Seal of Professional Surveyer:  Certificate Number: 2812 NM PE&S - NO. 5412		



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

Chloride Concentrations in Soil

XTO Energy: Nash Unit 29
 API: 30-015-29434

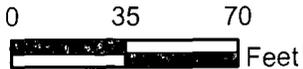
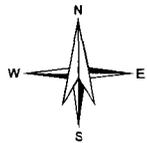
Plate 3

July 2013

Release Area

Legend

-  Modular impoundment location
-  Sample Trench
-  Remediation area
-  Workover anchor
-  30ft anchor buffer
-  Injection line (buried)



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

Reclamation Area
XTO Energy: Nash Unit 29
API: 30-015-29434

Plate 4
March 2013

APPENDIX A

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X</p> <p>B. Received by (Printed Name) BOUNDA Date of Delivery 12/07/12</p>
<p>1. Article Addressed to:</p> <p>Jim Amos BLM- Carlsbad 620 E. Green St Carlsbad, NM 88220</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7004 1350 0001 9663 5615</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15</p>	



APPENDIX B

Appendix B
Table B-1

Date	Processing Hrs	Bbls Processed	Comments
4-Jun	0	0	Arrive & check out location
5-Jun			RU Unit & 2 Weir Tanks
6-Jun			Continue RU Unit & Weir Tanks
7-Jun			RU Settling Tanks, Electricity, Acid
8-Jun			Wait on Caustic
9-Jun	7	2900	Receive Caustic, fill weir & set tanks
10-Jun	6	2500	Clean tanks full
11-Jun			Wait on Poseidon Tank
12-Jun			Wait on Poseidon Tank
13-Jun			Wait on Poseidon Tank
14-Jun			Wait on Poseidon Tank
15-Jun			Wait on Poseidon Tank
16-Jun			Wait on Poseidon Tank
17-Jun			Wait on Poseidon Tank
18-Jun			Wait on Poseidon Tank
19-Jun			Wait on Poseidon Tank
20-Jun			Hook up H-Pump: send water to Poseidon at 7PM
21-Jun	13	4000	1st full day of processing
22-Jun		3600	
23-Jun	23	7500	
24-Jun	8	3800	
25-Jun	11	1400	Frac Nash 39H: used 10,000 bbls
26-Jun	0	0	Wait until closer to frac date to process
27-Jun	0	0	"
28-Jun			"
29-Jun			"
30-Jun			"
1-Jul	6	1650	Pull down "dirty tanks" to make room
2-Jul			Wait until closer to frac date to process
3-Jul			"
4-Jul			"
5-Jul			"
6-Jul			"
7-Jul			"
8-Jul			"
9-Jul	4	1573	Start back up
10-Jul	8	3363	
11-Jul	4	1980	
12-Jul	8	3362	
13-Jul	10	4704	
14-Jul	10	4321	
15-Jul	9	4273	
16-Jul	7	3852	
17-Jul	6	2352	Tank full. Wait on frac
18-Jul			"
19-Jul	3	1141	Pull down "dirty tanks" to work on valve

Appendix B

Table B-1

Date	Processing Hrs	Bbls Processed	Comments
20-Jul	7	2136	Tank full. Wait on frac
21-Jul			"
22-Jul			"
23-Jul			"
24-Jul			"
25-Jul			Frac Nash 40 JITP: 13,000 BBL
26-Jul			Frac nash 41 JITP: 19,000 BBL
27-Jul			
28-Jul			
29-Jul			
30-Jul			
31-Jul			
1-Aug			
2-Aug	3	1392	Start back up
3-Aug	6	3351	
4-Aug	9	4903	
5-Aug	6	3263	
6-Aug	10	5060	
7-Aug	11	5560	
8-Aug	12	4126	
9-Aug	8	3441	
10-Aug	9	3990	Frac Nash 56: 33,000 BBL
11-Aug	10	4279	
12-Aug	16	3359	
13-Aug	12	4735	
14-Aug	14	6008	
15-Aug	16	7282	
16-Aug	11	3056	Screened out 1st Stage of Nash 49
17-Aug	4	1009	
18-Aug	6	2885	
19-Aug	4	1009	
20-Aug	0	0	
21-Aug	8	3208	Poseidon Tank Full. Top off XTO tanks.
22-Aug	3	1419	"
23-Aug	5	2648	"
24-Aug	0	0	All Tanks full. Oil found on top of Poseidon tank.
25-Aug	0	0	All Tanks are full.
26-Aug	0	0	"
27-Aug	0	0	Poseidon Tank started leaking from seams.
28-Aug	0	0	Hauling water from Poseidon to frac tanks.
29-Aug		0	
30-Aug		0	Frac Nash 57
31-Aug		5125	
1-Sep		6101	
2-Sep		4483	
3-Sep		4394	

Appendix B
Table B-1

Date	Processing Hrs	Bbls Processed	Comments
4-Sep		4844	
5-Sep		5113	
6-Sep		2786	Frac Nash 58
7-Sep		6480	Brown Bear went down/hauling water
8-Sep		6480	Tanks full from hauling all night
9-Sep		1230	Filled holding tanks
10-Sep		2277	Frac Nash 51/Pulled sludge & cleaned tanks
11-Sep		935	Replaced Suction riser on Poseidon Tank
12-Sep		2513	
13-Sep		2206	
14-Sep		2206	
15-Sep		0	Maintenance & Repair
16-Sep		0	XTO Transfer pump is down
17-Sep		0	
18-Sep		3005	Transfer pump is working
19-Sep		1366	
20-Sep		4476	
21-Sep		1967	
22-Sep		2982	
23-Sep		1441	
24-Sep		1156	
25-Sep		0	Maintenance & Repair
26-Sep		2970	
27-Sep		1045	Frac Nash 49/Done with Treating water

Appendix B
Table B-2

Date: 6/4/2012		Report Number: 1	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: NA	am/pm
Location: NASH		Shift Offsite Time: NA	am/pm
Site Contact: BO JACKSON		System Run Time: 1	Total hrs.
Site Contact:		Present Onsite Activities: Treating Produced Water	

RIG UP

Processing Hrs Today:	1 hrs	Cumulative Processing Hrs:	1 hrs
BBLs Processed Today:	1 bbls	Cumulative BBLs Processed:	1 bbls
BBLs/Hr Processed:	1	Cumulative BBLs/Hr Processed:	1.0 bbl/hr

Lead Operator: Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Crew:	NA		NA	NA	NA
	NA		NA	NA	NA
	NA		NA	NA	NA
	NA		NA	NA	NA
	NA		NA	NA	NA
	NA		NA	NA	NA

Chemical	Usage	Start Inv.	End Inv.	On Order
Hcl Acid	0	0	0	YES
Sodium Hydroxide	0	0	0	YES

Visitors:	
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:		OXY
----------------	--	-----------------	--	-----

NO

Additional Comments
MOVED EQUIPMENT TO LOCATION... CUSTOMER SAID IT WOULD TAKE 3 DAYS BEFORE HE COULD HAVE ANY WATER FOR US TO PROCESS.

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																																							
Lead Operator:																																							
Crew:																																							
	Kevin Wilson																																						
	Special Service hands																																						
Visitors: Bo Wells																																							
Visitors:																																							
Visitors:																																							
<table border="1"> <thead> <tr> <th>Readings:</th> <th>flow back</th> <th>Volts/Amps</th> <th>pH</th> <th>Turbidity</th> </tr> </thead> <tbody> <tr><td>06:00</td><td></td><td></td><td></td><td></td></tr> <tr><td>08:00</td><td></td><td></td><td></td><td></td></tr> <tr><td>10:00</td><td></td><td></td><td></td><td></td></tr> <tr><td>12:00</td><td></td><td></td><td></td><td></td></tr> <tr><td>14:00</td><td></td><td></td><td></td><td></td></tr> <tr><td>16:00</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>					Readings:	flow back	Volts/Amps	pH	Turbidity	06:00					08:00					10:00					12:00					14:00					16:00				
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12:00																																							
14:00																																							
16:00																																							
<table border="1"> <thead> <tr> <th>Chemical</th> <th>Usage</th> <th>Start Inv.</th> <th>End Inv.</th> <th>On Order</th> </tr> </thead> <tbody> <tr> <td>HcL Acid</td> <td>0</td> <td>4,000</td> <td>4,000</td> <td>NO</td> </tr> <tr> <td>Sodium Hydroxide</td> <td>0</td> <td>3,800</td> <td>3,800</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> </tbody> </table>					Chemical	Usage	Start Inv.	End Inv.	On Order	HcL Acid	0	4,000	4,000	NO	Sodium Hydroxide	0	3,800	3,800	NO																				
Chemical	Usage	Start Inv.	End Inv.	On Order																																			
HcL Acid	0	4,000	4,000	NO																																			
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?																																							
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	
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?			
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	
		Unit Number: 8	
Client: XTO			
Location: Nash 29			
Site Contact: Bo Jackson			
Site Contact:			
		Shift Onsite Time: 6:00 AM	am/pm
		Shift Offsite Time: 6:00 PM	am/pm
		System Run Time:	Total hrs.
		Present Onsite Activities: Rig Up Equipment	
Processing Hrs Today: 0 hrs			
BBLs Processed Today: 0 bbls			
BBLs/Hr Processed: #DIV/0!			
		Cumulative Processing Hrs: 0 hrs	
		Cumulative BBLs Processed: 0 bbls	
		Cumulative BBLs/Hr Processed: #DIV/0!	
Lead Supervisor: Paul Worley			
Lead Operator: Chad Edwards			
Crew: Reginald White S.S.			
	Reginald Neal S.S.		
	Christopher Perry S.S.		
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?			
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: 6/7/2012		Report Number: 4	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 8:00 AM am/pm	
Location: Nash 29		Shift Offsite Time: 12:00 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
Lead Operator: Chad Edwards		06:00	Volts/Amps
Crew: Reginald White S.S.		08:00	pH
	Reginald Neal S.S.	10:00	Turbidity
	Christopher Perry S.S.	12:00	
		14:00	
		16:00	
Visitors:		Chemical	Usage
Visitors:		HcL Acid	0
Visitors:		Sodium Hydroxide	0
			Start Inv.
			2,000
			End Inv.
			3,800
			On Order
			NO
			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 Saturday 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 700 am, completed and reviewed JSA..... We finished cleaning up and getting ready to process water. We also waited for caustic and got a call from caustic driver; he said he had some trouble and would not arrive until late Friday evening, I told him to call me when he got his 10 hour break and I would meet him at store on the way to location..Went ahead and released everyone until Monday morning.			

Appendix B
Table B-2

Date: 6/9/2012		Report Number: 5			
		Unit Number: 8			
Client: XTO					
Location: Nash 29					
Site Contact: Bo Jackson					
Site Contact:					
		Shift Onsite Time: 4:00 AM	am/pm		
		Shift Offsite Time: 2:00 PM	am/pm		
		System Run Time: 7	Total hrs.		
		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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	06:00		110	6.73	0.134
Crew:	08:00		110	6.54	0.765
	10:00		110	6.85	0.443
	12:00		110	6.52	0.691
	14:00		110	6.91	0.346
	16:00				
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	140	1,900	1,760	NO
	Sodium Hydroxide	190	2,500	2,310	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			
		Unit Number: 8			
Client: XTO					
Location: Nash 29					
Site Contact: Bo Jackson					
Site Contact: Paul Worley					
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		120	7.24	1.3
Crew	08:00		120	6.68	0.876
	10:00		120	6.93	0.557
	12:00		120	6.88	0.942
	14:00				
	16:00				
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	175	1,900	1,725	NO
	Sodium Hydroxide	220	2,500	2,280	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 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					
Location: Nash 29					
Site Contact: Bo Jackson					
Site Contact: Paul Worley					
		Shift Onsite Time: N/A	am/pm		
		Shift Offsite Time: N/A	am/pm		
		System Run Time: 0	Total hrs.		
		Present Onsite Activities: PROCESS WATER			
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: BO JACKSON					
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 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			
		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				
	Chemical	Usage	Start Inv.	End Inv.	On Order
	Hcl Acid	0	1,725	1,725	NO
	Sodium Hydroxide	0	2,280	2,280	NO
Visitors: BO JACKSON					
Visitors:					
Visitors:					
Were there any 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: 6/14/2012		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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	06:00				
Crew:	08:00				
	10:00				
	12:00				
	14:00				
	16:00				
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HcL Acid	0	1,725	1,725	NO
	Sodium Hydroxide	0	2,280	2,280	NO
Visitors:					
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 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: 6/15/2012		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	
		Chemical	Usage Start Inv. End Inv. On Order
		HCl Acid	0 1,725 1,725 NO
		Sodium Hydroxide	0 2,280 2,280 NO
Visitors:			
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 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	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:	flow back Volts/Amps pH Turbidity
Lead Operator:		06:00	
Crew:		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
		Chemical	Usage Start Inv. End Inv. On Order
		Hcl Acid	0 1,725 1,725 NO
		Sodium Hydroxide	0 2,280 2,280 NO
Visitors:			
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 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:	flow back
Lead Operator:		06:00	
Crew:		08:00	
		10:00	
		12:00	
		14:00	
		16:00	
		Chemical	Usage
		HcL Acid	0
		Sodium Hydroxide	0
		Start Inv.	End Inv.
		1,725	1,725
		2,280	2,280
		On Order	
		NO	NO
Visitors:			
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 should arrive 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: 6/18/2012		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 bbl/hr	
Lead Supervisor:	Paul Worley	Readings:	flow back Volts/Amps pH Turbidity
Lead Operator:	Ken Erler	06:00	
Crew:	Adam Pollard	08:00	
		10:00	
		12:00	
		14:00	
		16:00	
		Chemical	Usage Start Inv. End Inv. On Order
		HCl Acid	0 1,725 1,725 NO
		Sodium Hydroxide	0 2,280 2,280 NO
Visitors:			
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 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:	XTO
N/A			
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 Volts/Amps pH Turbidity	
Crew:		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:	425.333333	Cumulative BBLs/Hr Processed:	419.4 bbl/hr		
Lead Supervisor:	Paul Worley	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Adam Pollard	07:30		100	7.23
Crew:	Ken Eler	09:30		100	6.98
		11:30		100	6.43
		13:30		100	6.23
		15:30		100	6.76
		16:30		100	6.81
		Chemical	Usage	Start Inv.	End Inv.
		Hcl Acid	213	1,725	1,512
		Sodium Hydroxide	295	2,280	1,985
					On Order
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	Turbidity
Lead Operator:	Adam Pollard	07:30		100	6.57	1.63
Crew:	Ken Erier	09:30		100	6.87	1.87
	Ray Lee	11:30		100	6.43	1.19
	Eddy McGruder	13:30		100	7.02	1.98
		15:30		100	7.1	1.32
		16:30		100	6.79	1.27
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	197	1,512	1,315	YES
		Sodium Hydroxide	262	1,985	1,723	YES
Visitors:	BO JACKSON					
Visitors:						
Visitors:						
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:	
Lead Operator: Adam Pollard		flow back	
Crew: Ken Erier		Volts/Amps	
Ray Lee		pH	
Eddy McGruder		Turbidity	
		07:00	
		13:00	
		19:00	
		23:00	
		2:00	
		4:00	
Visitors: BO JACKSON		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		HCl Acid 416 1,315 899 YES	
		Sodium Hydroxide 590 1,723 1,133 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 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: 6/24/2012		Report Number: 19			
		Unit Number: 8			
Client: XTO					
Location: Nash 29					
Site Contact: Bo Jackson					
Site Contact: Paul Worley					
		Shift Onsite Time: 5:00	am/pm		
		Shift Offsite Time: 1:30 PM	am/pm		
		8	Total hrs.		
		Present Onsite Activities: PROCESS WATER			
Processing Hrs Today: 8 hrs	Cumulative Processing Hrs: 64 hrs				
BBLs Processed Today: 3,806 bbls	Cumulative BBLs Processed: 24,182 bbls				
BBLs/Hr Processed: 475.75	Cumulative BBLs/Hr Processed: 377.8 bbl/hr				
Lead Supervisor: Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Adam Pollard	07:00		100	6.89	1.89
Crew: Ken Eler	09:00		100	7.03	1.45
Ray Lee	11:00		100	7.09	1.76
Eddy McGruder	13:00		100	6.97	1.94
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: BO JACKSON	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	213	899	686	YES
Visitors:	Sodium Hydroxide	295	1,133	838	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 AT LOCATION AT 5:00 AM. COMPLETED AND REVIEWED JSA. STARTED PROCESSING WATER TO FILL THE CLEAN TANKS. EVERYTHING WENT VERY WELL. WE ONLY MADE MINOR ADJUSTMENTS TO THE CAUSTIC AND ACID.					

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:	6/26/2012	Report Number:	21	
		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		0	Total hrs.
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER	
MAINTENANCE				
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
Lead Operator:				pH
Crew:		N/A		Turbidity
		N/A		N/A
Chemical	Usage	Start Inv.	End Inv.	On Order
Hcl Acid	0	5,686	5,686	CEIVED 5000 GA
Sodium Hydroxide	0	1,000	1,000	YES
Visitors:	BO JACKSON			
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				
WE ARRIVED AT LOCATION AT 6:00 AM. COMPLETED AND REVIEWED ,PULLED SLUDGE RECEIVED CAUSTIC AND DRAINED ALL LINES.... THERE WAS ALMOST 12,000 BBLs LEFT IN STORAGE TANK...EVERYTHING WENT VERY WELL TODAY.				

Appendix B
Table B-2

Date: 6/28/2012		Report Number: 23	
		Unit Number: 8	
Client: XTO			
Location: Nash 29			
Site Contact: Bo Jackson			
Site Contact: Paul Worley			
STAND BY			
Processing Hrs Today: 0 hrs			
BBLs Processed Today: 1,450 bbls			
BBLs/Hr Processed: #DIV/0!			
		Cumulative Processing Hrs: 75 hrs	
		Cumulative BBLs Processed: 25,632 bbls	
		Cumulative BBLs/Hr Processed: 341.8 bbl/hr	
Lead Supervisor: Paul Worley			
Lead Operator:			
Crew:			
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			
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: 6/30/2012		Report Number: 25			
		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:	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
	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
Chemical	Usage	Start Inv.	End Inv.	On Order	
Hcl Acid	120	5,686	5,566	CEIVED 5000 GA	
Sodium Hydroxide	100	1,000	900	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					
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: 357.2 bbl/hr				
Lead Supervisor: Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: RAY LEE	0500		100	6.67	0.87
Crew: EDDIE MCGRUBER	0700		100	6.73	0.98
	0900		100	6.91	1.03
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors:					
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 ON LOCATION AT 3:00 PM REVEIUED 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: 7/4/2012		Report Number: 29			
		Unit Number: 8			
Client: XTO					
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	0		Total hrs.		
	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:	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
	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	5,566	5,566	
Visitors:	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: 7/6/2012		Report Number: 31	
		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: 7/7/2012		Report Number: 32			
		Unit Number: 8			
Client: XTO					
Location: Nash 29					
Site Contact: Bo Jackson					
Site Contact: Paul Worley					
		Shift Onsite Time: N/A	am/pm		
		Shift Offsite Time: N/A	am/pm		
		0	Total hrs.		
		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					
Lead Operator:					
Crew:					
Visitors: BO JACKSON					
Visitors:					
Visitors:					
	Readings:	flow back	Volts/Amps	pH	Turbidity
	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
	Chemical	Usage	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: 7/8/2012		Report Number: 33	
		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:	7/9/2012	Report Number:	34
		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 Total hrs.
Site Contact:	Paul Worley	Present Onsite Activities:	PROCESS WATER
Processing Hrs Today:	4 hrs	Cumulative Processing Hrs:	85 hrs
BBLs Processed Today:	1,650 bbls	Cumulative BBLs Processed:	30,505 bbls
BBLs/Hr Processed:	412.5	Cumulative BBLs/Hr Processed:	358.9 bbl/hr
Lead Supervisor:	Paul Worley	Readings:	flow back Volts/Amps pH Turbidity
Lead Operator:	ADAM POLLARD	0200	100 6.35 1.16
Crew:	REGGIE WHITE	0400	100 6.65 0.57
	CHRIS ONEAL	0500	100 6.9 0.78
		N/A	N/A N/A N/A
		N/A	N/A N/A N/A
		N/A	N/A N/A N/A
Visitors:	BO JACKSON	Chemical	Usage Start Inv. End Inv. On Order
Visitors:	BO WELLS	HCl Acid	150 5,566 5,416
Visitors:		Sodium Hydroxide	130 900 770 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 6:00 AM REVEIWD JSA.. EMPLOYEES HAD SOME TROUBLE WITH SOME VALVES AND WE WERE ON OUR WAY UP FROM KILGORE TRIED TO FIX OVER THE PHONE AND COULD NOT... EMPLOYEES WERE INSTRUCTED TO WAIT UNTIL WE ARRIVED. WE GOT VALVE PROBLEMS FIXED AND STARTED PROCESSING AROUND 1:30 PM AFTER PROBLEM WITH VALVES EVERYTHING WENT WELL AND WE MADE MINOR ADJUSTMENTS TO CHEMICALS.. THERE IS A LITTLE OVER 11,000 BBLs IN POISIDEN TANK AND WATER LOOKS GOOD IN TANK... WE WILL TREAT WITH BE-6 IN THE MORNING JUST AS A PRECAUTION.			

Appendix B
Table B-2

Date: 7/10/2012		Report Number: 35	
		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		8 Total hrs.	
Site Contact: Paul Worley		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 8 hrs		Cumulative Processing Hrs: 93 hrs	
BBLs Processed Today: 3,363 bbls		Cumulative BBLs Processed: 33,868 bbls	
BBLs/Hr Processed: 420.375		Cumulative BBLs/Hr Processed: 364.2 bbl/hr	
Lead Supervisor: Paul Worley		Readings:	
Lead Operator: ADAM POLLARD		flow back	
Crew: REGGIE WHITE		Volts/Amps	
CHRIS ONEAL		pH	
		Turbidity	
		800	
		1000	
		1200	
		1400	
		0:00	
		0:00	
		N/A	
Visitors:		Chemical	
Visitors: BO WELLS		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:	
N/A		XTO	
Additional Comments			
ARRIVED ON LOCATION AT 6:00 AM REVEIUED JSA..STARTED PROCESSING WATER AT 7:00 AM FILLED CLEAN TANKS UP AND WAITED FOR SOME IMPROVEMENTS TO THE PUMP THAT GOES TO POISIDEN TANK. WE LET SMALL PUMP RUN WATER TO IT.. EVERYTHING WENT WELL AND WE MADE SMALL ADJUSTMENTS TO CHEMICALS. WE ALSO GATHERED AND DROPPED OFF SAMPLES FOR HOUSTON AND HOBBS LAB.			

Appendix B
Table B-2

Date: 7/11/2012		Report Number: 36			
		Unit Number: 8			
Client: XTO					
Location: Nash 29	Shift Onsite Time: 6:00	am/pm			
Site Contact: Bo Jackson	Shift Offsite Time: 6:00 PM	am/pm			
Site Contact: Paul Worley		4	Total hrs.		
		Present Onsite Activities: PROCESS WATER			
Processing Hrs Today: 4 hrs	Cumulative Processing Hrs: 97 hrs				
BBLs Processed Today: 1,980 bbls	Cumulative BBLs Processed: 35,848 bbls				
BBLs/Hr Processed: 495	Cumulative BBLs/Hr Processed: 369.6 bbl/hr				
Lead Supervisor: Paul Worley	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: ADAM POLLARD	800		100	6.85	1.67
Crew: CHRIS ONEAL	1000		100	6.76	1.55
	1200		100	6.9	1.89
	1400		100	6.85	1.66
	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	235	5,416	5,181	
	Sodium Hydroxide	205	3,800	3,595	
Visitors:					
Visitors: BO WELLS					
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 ON LOCATION AT 6:00 AM REVEIUED JSA..STARTED PROCESSING WATER AT 7:00 AM .RAN OUT OF CAUSTIC AND WAITED A COUPLE OF HOURS....CAUSTIC ARRIVED AND EVERYTHING WENT WELL WITH MINOR ADJUSTMENTS TO CHEMICALS.					

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:		
Lead Operator: ADAM POLLARD		flow back	Volts/Amps	pH
Crew: CHRIS ONEAL		800	110	7.21
REGGIE WHITE		1000	110	6.87
		1200	110	6.95
		1400	110	6.34
		0:00	N/A	N/A
		0:00	N/A	N/A
		Chemical Usage:		
		Chemical	Usage	Start Inv.
		HcL Acid	345	5,181
		Sodium Hydroxide	380	3,595
				End Inv.
				On Order
Visitors:				
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 ON LOCATION AT 2:00 AM REVEIWed 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: 7/14/2012		Report Number: 39	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 5:00 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: 117 hrs	
BBLs Processed Today: 4,321 bbls		Cumulative BBLs Processed: 44,843 bbls	
BBLs/Hr Processed: 432.1		Cumulative BBLs/Hr Processed: 383.3 bbl/hr	
Lead Supervisor: PAUL WORLEY		Readings:	
Lead Operator: ADAM POLLARD		flow back	Volts/Amps
Crew: CHRIS ONEAL		800	pH
REGGIE WHITE		1000	Turbidity
		1200	
		1400	
		0:00	
		0:00	
Visitors: LARRY ONEAL		Chemical	Usage
		Hcl Acid	Start Inv.
		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
N/A			
Additional Comments			
ARRIVED ON LOCATION AT 5:00 AM REVEIUED JSA..STARTED PROCESSING WATER AT 5:15 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			

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	
		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
Visitors:			
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			
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: 7/20/2012		Report Number: 45			
		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	7		Total hrs.		
Site Contact: Paul Worley	Present Onsite Activities: PROCESS WATER				
Processing Hrs Today: 7 hrs		Cumulative Processing Hrs: 149 hrs			
BBLs Processed Today: 2,136 bbls		Cumulative BBLs Processed: 58,597 bbls			
BBLs/Hr Processed: 305.1428571		Cumulative BBLs/Hr Processed: 393.3 bbl/hr			
Lead Supervisor: PAUL WORLEY	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: CHRIS PERRY	1200		100	6.82	1.43
Crew:	1400		100	6.66	1.65
	1600		100	6.54	N/A
	N/A		N/A	N/A	N/A
	0:00		N/A	N/A	N/A
	0:00		N/A	N/A	N/A
Visitors:					
Visitors:					
Visitors:					
Chemical Usage					
	Chemical	Usage	Start Inv.	End Inv.	On Order
	Hcl Acid	220	3,871	3,651	
	Sodium Hydroxide	180	2,215	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					
CONTINUE PROCESSING DIRTY WATER TO GET TANKS LOW ENOUGH TO SWAP OUT SOME VALVES THAT LEAK...WE ARRIVED ON LOCATION AROUND 6 AM AND GOT TANKS DOWN SO THEY WOULD NOT OVER FLOW ANYMORE. EVERYTHING WENT WELL..... GOT TANKS DOWN TO 5 FOOT AND CALLED BO JACKSON TO LET HIM KNOW THAT WE WERE GETTING TO THE OIL.HE SAID FOR US TO STOP THERE.					

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 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	
Visitors:			
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			
STAND BY WAITING ON FRAC.			

Appendix B
Table B-2

Date: 7/22/2012		Report Number: 47	
		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			
		0 Total hrs.	
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:			
1200	flow back	Volts/Amps	pH
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
Chemical	Usage	Start Inv.	End Inv.
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		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	
		Chemical Usage Start Inv. End Inv. On Order	
		HcL Acid 0 3,651 3,651	
		Sodium Hydroxide 0 2,035 2,035	
Visitors:			
Visitors:			
Visitors:			
Were there any 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:	
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	
		Chemical Usage Start Inv. End Inv. On Order	
		HCl Acid 0 3,651 3,651	
		Sodium Hydroxide 0 2,035 2,035	
Visitors:			
Visitors:			
Visitors:			
Were there any 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	
		1400	
		1600	
		N/A	
		0:00	
		0:00	
		N/A	
Visitors:		Chemical	
Visitors:		Usage	
Visitors:		Start Inv.	
		End Inv.	
		On Order	
		HCl Acid	
		Sodium Hydroxide	
		0	
		0	
		3,651	
		2,035	
		3,651	
		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:	
N/A		XTO	
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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	1200		N/A	N/A	N/A
Crew: Eddie McGruder	1400		N/A	N/A	N/A
Sammy Dean	1600		N/A	N/A	N/A
Ray Lee	N/A		N/A	N/A	N/A
	0:00		N/A	N/A	N/A
	0:00		N/A	N/A	N/A
Visitors:					
Visitors:					
Visitors:					
Chemical Usage					
	Chemical	Usage	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 8-2

Date: 8/2/2012		Report Number: 53			
		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			Total hrs. 10.5		
Site Contact: Jason Distall	Present Onsite Activities: PROCESS WATER				
Processing Hrs Today: 3 hrs		Cumulative Processing Hrs: 152 hrs			
BBLs Processed Today: 1,392 bbls		Cumulative BBLs Processed: 59,989 bbls			
BBLs/Hr Processed: 464		Cumulative BBLs/Hr Processed: 394.7 bbl/hr			
Lead Supervisor: Jason Distall	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator:	1200		20v 100a	7.05	3.32
Crew: Eddie McGruder	1400		N/A	N/A	N/A
Sammy Dean	1600		20v 100a	7.03	3.27
Ray Lee	N/A		N/A	N/A	N/A
	0:00		N/A	N/A	N/A
	0:00		N/A	N/A	N/A
Visitors:					
Visitors:					
Visitors:					
Chemical Usage					
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HcL Acid	143	3,651	3,508	
	Sodium Hydroxide	117	1,968	1,851	
Were there any abnormal operational issues onsite?					
Yes, the power source was fluctuating, the lost power.					
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					
Starting recycling water, had several power surges from supply side. Finally lost power. Contacted Bo Jackson with XTO. He said he would send out electrician 08:00 on 8-03-2012. Operation was shut down for the day.					

Appendix B
Table B-2

Date: 8/4/2012		Report Number: 55	
		Unit Number: 8	
Client: XTO		Shift Onsite Time: 2:30 am/pm	
Location: Nash 29		Shift Offsite Time: 2:00 PM am/pm	
Site Contact: Bo Jackson		11.5 Total hrs.	
Site Contact: Chad Edwards		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 8.75 hrs		Cumulative Processing Hrs: 166.75 hrs	
BBLs Processed Today: 4,903 bbls		Cumulative BBLs Processed: 68,243 bbls	
BBLs/Hr Processed: 560.3428571		Cumulative BBLs/Hr Processed: 409.3 bbl/hr	
Lead Supervisor:	Chad Edwards	Readings:	flow back
Lead Operator:	Jason Distall	06:00	Volts/Amps
Crew:	Eddie McGruder	10:00	pH
	Sammy Dean	12:30	Turbidity
	Ray Lee	N/A	
	Ken Ehler	N/A	
	Adam Pollard	N/A	
	Eli Tangura	N/A	
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, supplies on order			
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, however, Bo Jackson expects that to change and hopes to have tanks full by 2:30 am.			
Has client provided any operational feedback (positive or negative)?			
Person:	Bo Jackson	Company:	XTO
Bo is pleased with our operation and understands that we are currently limited by our incoming supply of produced water. He has been working on returning rate up to a possible 6,000 bbls/day.			
Additional Comments			
There were no chemical adjustments needed today. Both pH and turbidity are stable. We had to shut down treating at 12:45. Bo indicated that we will continue to receive reduced rates of produced water depending on electric company. Crew remained on location to perform housekeeping. Crew will arrive on location at 02:00 anticipating full tanks. We are currently at 19,000 bbls in the poseidon tank with an additional 2,000 at recycle location. We will complete recycling for the upcoming frac ahead of schedule as long as the incoming produced water rate returns.			

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	Volts/Amps	pH
Lead Operator:	Sammy Dean	08:00		100	6.89
Crew	Eddie McGruder	10:00		100	6.93
	Ray Lee	14:00		100	7.12
	Chris Ray	16:00		100	7.24
	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	375	3,750	3,375
Visitors:		Sodium Hydroxide	420	1,200	780
					On Order
					received 4000 gal
					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?					
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	Turbidity
Lead Operator: Ken Erler	08:00		100	7.21	1.87
Crew: Eddie McGruder	10:00		100	7.45	0.78
	14:00		100	6.89	0.69
	16:00		100	7.33	0.56
	18:00		100	7.1	1.34
	N/A		N/A	N/A	N/A
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	300	3,750	3,450	received 4000 gal
	Sodium Hydroxide	335	3,280	2,945	received 2500 gal
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.					

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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Eddie McGruder	08:00		100	6.97	1.87
Crew: Ray Lee	10:00		100	6.78	0.78
Chris Perry	19:00		100	7.23	0.69
Reginald White	21:00		100	6.89	0.56
	22:00		100	6.76	1.23
	N/A		N/A	N/A	N/A
	Chemical	Usage	Start Inv.	End Inv.	On Order
	Hcl Acid	351	3,450	3,099	no
	Sodium Hydroxide	374	2,945	2,571	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?					
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: 8/11/2012		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:	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
	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
	Chemical	Usage	Start Inv.	End Inv.	On Order
	Hcl Acid	385	2,389	2,004	no
	Sodium Hydroxide	411	1,794	1,383	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: 8/12/2012		Report Number: 63			
		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	16 hrs		Total hrs.		
Site Contact: Paul Worley	Present Onsite Activities: PROCESS WATER				
Processing Hrs Today: 16 hrs		Cumulative Processing Hrs: 239 hrs			
BBLs Processed Today: 3,359 bbls		Cumulative BBLs Processed: 101,321 bbls			
BBLs/Hr Processed: 209.9375		Cumulative BBLs/Hr Processed: 423.9 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	350	2,004	1,654	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, consist of trips, falls, 3 point contact when climbing up and down steps and ladders. Make sure we use proper PPE when handling chemicals. It is hot make sure we drink plenty of fluids if feel weak go find a place to sit down. Worked on unit did housekeeping.					

Appendix B
Table B-2

Date: 8/13/2012		Report Number: 64																																					
		Unit Number: 8																																					
Client: XTO																																							
Location: Nash 29																																							
Site Contact: Bo Jackson																																							
Site Contact: Paul Worley																																							
		Shift Onsite Time: 6:00	am/pm																																				
		Shift Offsite Time: 6:00 PM	am/pm																																				
		12 hrs	Total hrs.																																				
		Present Onsite Activities: PROCESS WATER																																					
Processing Hrs Today: 12 hrs																																							
BBLs Processed Today: 4,735 bbls																																							
BBLs/Hr Processed: 394.5833333																																							
		Cumulative Processing Hrs: 235 hrs																																					
		Cumulative BBLs Processed: 106,056 bbls																																					
		Cumulative BBLs/Hr Processed: 451.3 bbl/hr																																					
Lead Supervisor: Paul Worley																																							
Lead Operator: Eddie McGruder																																							
Crew: Ray Lee																																							
	Chris Perry																																						
	Reginald White																																						
Visitors: Bo Jackson																																							
Visitors:																																							
Visitors:																																							
<table border="1"> <thead> <tr> <th>Readings:</th> <th>flow back</th> <th>Volts/Amps</th> <th>pH</th> <th>Turbidity</th> </tr> </thead> <tbody> <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> </tbody> </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																																			
<table border="1"> <thead> <tr> <th>Chemical</th> <th>Usage</th> <th>Start Inv.</th> <th>End Inv.</th> <th>On Order</th> </tr> </thead> <tbody> <tr> <td>Hcl Acid</td> <td>405</td> <td>2,004</td> <td>1,599</td> <td>no</td> </tr> <tr> <td>Sodium Hydroxide</td> <td>411</td> <td>1,794</td> <td>1,383</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> </tbody> </table>					Chemical	Usage	Start Inv.	End Inv.	On Order	Hcl Acid	405	2,004	1,599	no	Sodium Hydroxide	411	1,794	1,383	no																				
Chemical	Usage	Start Inv.	End Inv.	On Order																																			
Hcl Acid	405	2,004	1,599	no																																			
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	
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 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: 8/15/2012		Report Number: 66			
		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	16 hrs		Total hrs.		
Site Contact: Sammy Deam	Present Onsite Activities: PROCESS WATER				
Processing Hrs Today: 16 hrs		Cumulative Processing Hrs: 267 hrs			
BBLs Processed Today: 7,282 bbls		Cumulative BBLs Processed: 119,346 bbls			
BBLs/Hr Processed: 455.125		Cumulative BBLs/Hr Processed: 447.0 bbl/hr			
Lead Supervisor: Sammy Dean	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
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	525	2,004	1,479	no
	Sodium Hydroxide	598	1,794	1,196	no
Visitors: Bo Jackson					
Visitors:					
Visitors:					
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. Watch out for each other. Keep a clean path to shower trailer. XTO has some pumps up and going. Received 2 totes of Caustic from Hobbs Yard.					

Appendix B
Table B-2

Date: 8/16/2012		Report Number: 67	
		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		11 hrs Total hrs.	
Site Contact: Sammy Deam		Present Onsite Activities: PROCESS WATER	
Processing Hrs Today: 11 hrs		Cumulative Processing Hrs: 278 hrs	
BBLs Processed Today: 3,056 bbls		Cumulative BBLs Processed: 121,402 bbls	
BBLs/Hr Processed: 277.8181818		Cumulative BBLs/Hr Processed: 436.7 bbl/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	
		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid	
		Sodium Hydroxide	
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 chemicals. Pick up all extra hose laying around. Receive 1 tote of Caustic from Third Party Vendor G&K. Had to repair 4 " valve screws broke off. Bought to C Clamps to fix valve. Acid arrive to location. Third party truck broke down on location.			

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 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 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: 8/20/2012		Report Number: 71				
		Unit Number: 8				
Client: XTO						
Location: Nash 29						
Site Contact: Bo Jackson						
Site Contact: Sammy Deam						
Maint on Unit						
Processing Hrs Today: 0 hrs						
BBLs Processed Today: 0 bbls						
BBLs/Hr Processed: #DIV/0!						
		Cumulative Processing Hrs: 292 hrs				
		Cumulative BBLs Processed: 126,305 bbls				
		Cumulative BBLs/Hr Processed: 432.6 bbl/hr				
Lead Supervisor: Sammy Dean						
Lead Operator: Eddie McGruder						
Crew: Ray Lee						
	Chris Perry					
	Reginald White					
Visitors: Bo Jackson						
Visitors:						
Visitors:						
		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
		Chemical	Usage	Start Inv.	End Inv.	On Order
		HcL Acid	0	3,544	3,544	yes
		Sodium Hydroxide	0	3,400	3,400	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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Chris Perry	16:30		110	7.54	0.64
Crew: Reginald White	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	Usage	Start Inv.	End Inv.	On Order
Visitors:	HcL Acid	400	5,300	4,900	No
Visitors:	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: 8/22/2012		Report Number: 73		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 9:00 am/pm		
Location: Nash 29		Shift Offsite Time: 4:00 PM am/pm		
Site Contact: Bo Jackson		7 hrs Total hrs.		
Site Contact: Sammy Dean		Present Onsite Activities: PROCESS WATER		
Processing Hrs Today: 3 hrs		Cumulative Processing Hrs: 303 hrs		
BBLs Processed Today: 1,419 bbls		Cumulative BBLs Processed: 130,932 bbls		
BBLs/Hr Processed: 473		Cumulative BBLs/Hr Processed: 432.1 bbl/hr		
Lead Supervisor: Sammy Dean		Readings:		
Lead Operator: Chris Perry		flow back	Volts/Amps	pH
Crew: Reginald White				Turbidity
		11:30	110	7.69
		13:30	110	6.98
		15:30	110	7
		15:44	110	6.89
		N/A	N/A	N/A
		N/A	N/A	N/A
Visitors: Bo Jackson		Chemical		
Visitors:		Usage	Start Inv.	End Inv.
Visitors:		HCl Acid	200	4,900
		Sodium Hydroxide	175	2,630
				2,455
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 is full, will not send more 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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Chris Perry	13:00		110	6.44	1.05
Crew: Reginald White	15:00		110	7.03	0.381
	17:00		110	7.14	0.668
	18:00		110	7	0.553
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	150	4,700	4,550	No
Visitors:	Sodium Hydroxide	375	2,455	2,080	No
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: 8/24/2012		Report Number: 75			
		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: 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	pH	Turbidity
Lead Operator: Chris Perry	13:00		N/A	N/A	N/A
Crew: Reginald White	15:00		N/A	N/A	N/A
	17:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	0	4,700	4,550	No
Visitors:	Sodium Hydroxide	0	2,455	2,080	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					
Fixed 4" line for system one on Brown Bear. Spoke with Mr. Bo Jackson, about how Oil got into Poseidon tank. He is not for sure, but do know that there was 3 rd party trucks taking water from XTO Nash Draw Unit # 47 H and unloading it in Poseidon tank. Do not know if those trucks was clean before doing this. Took samples of influent and effluent, took to Hobbs Yard to be sent to Houston. Poseidon tank is at 136.5" at this time. Recommend to not suck Poseidon tank no lower than 10 inches for frac job.					

Appendix B
Table B-2

Date: 8/25/2012		Report Number: 76		
		Unit Number: 8		
Client: XTO		Shift Onsite Time: 8:00 am/pm		
Location: Nash 29		Shift Offsite Time: 5:00 AM 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	Volts/Amps	pH
Crew: Reginald White				Turbidity
		13:00	N/A	N/A
		15:00	N/A	N/A
		17:00	N/A	N/A
		18:00	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
Visitors: Bo Jackson		Chemical		
Visitors:		Usage	Start Inv.	End Inv.
Visitors:		Hcl Acid	0	4,700
		Sodium Hydroxide	0	2,455
				2,080
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				
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: 8/26/2012		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				
BBL\$ Processed Today: 0 bbls	Cumulative BBL\$ Processed: 133,580 bbls				
BBL\$/Hr Processed: 0	Cumulative BBL\$/Hr Processed: 433.7 bbl/hr				
Lead Supervisor: Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Chris Perry	13:00		N/A	N/A	N/A
Crew: Reginald White	15:00		N/A	N/A	N/A
	17:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	0	4,700	4,550	No
Visitors:	Sodium Hydroxide	0	2,455	2,080	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?					
Standby- 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: 8/27/2012		Report Number: 78			
		Unit Number: 8			
Client: XTO	Shift Onsite Time: 8:00 am/pm				
Location: Nash 29	Shift Offsite Time: 5:00 AM 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	pH	Turbidity
Lead Operator: Chris Perry	13:00		N/A	N/A	N/A
Crew: Reginald White	15:00		N/A	N/A	N/A
	17:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors: Todd Cage	Hcl Acid	0	4,700	4,550	No
Visitors: Arron Karcher	Sodium Hydroxide	0	2,455	2,080	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?					
Standby- 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. Still to get a pressure washer to clean out Brown Bear. Poseidon tank has started leaking from seams. Mr. Randy Green, is going to have some of the water transferred to XTO Nash Draw 49 H and some to XTO Nash Draw Unit # 57 H.					

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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Chris Perry	13:00		N/A	N/A	N/A
Crew: Reginald White	15:00		N/A	N/A	N/A
	17:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	0	4,700	4,550	No
Visitors:	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:	flow back	Volts/Amps	pH
Lead Operator:	Chris Perry	13:00		N/A	N/A
Crew:	Reginald White	15:00		N/A	N/A
		17:00		N/A	N/A
		18:00		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.
Visitors:		HCl Acid	0	4,700	4,550
Visitors:		Sodium Hydroxide	0	2,455	2,080
					On Order
					No
					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 8/31/12. 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: 8/30/2012		Report Number: 81			
		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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Chris Perry	13:00		N/A	N/A	N/A
Crew: Reginald White	15:00		N/A	N/A	N/A
	17:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
	N/A		N/A	N/A	N/A
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	0	4,700	4,550	No
Visitors:	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 8/31/12. 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
		Sodium Hydroxide	0	2,080
				1,800
				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?				
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:	flow back
Lead Operator:	Chris Perry		Volts/Amps
Crew:	Reginald White	00:00	pH
		02:00	Turbidity
		13:00	
		15:00	
		17:00	
		19:00	
		21:00	
		Chemical	Usage
		Start Inv.	End Inv.
		On Order	
		HcL Acid	0
		Sodium Hydroxide	0
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	Turbidity
Lead Operator: Kenneth Erler	08:00		108	7.56	1.15
Crew: Fermin Valdez	10:00		108	7.35	1.12
	12:00		108	7.89	1.37
	14:00		108	7.46	1.24
	16:00:00 PM		108	6.8	1.57
	18:00:00 PM		108	6.654	2.47
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HcL Acid	0	3,800	3,500	No
	Sodium Hydroxide	0	1,500	1,200	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					
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	Turbidity
Lead Operator:	Kenneth Erier	08:00		108	6.86	0.886
Crew:	Fermin Valdez	10:00		108	6.9	0.965
	Eddie MrGruder	12:00		108	7.54	1.116
	Ray Lee	14:00		108	7.68	1.24
		16:00:00 PM		108	7.43	1.032
		Chemical	Usage	Start Inv.	End Inv.	On Order
		Hcl Acid	0	3,500	3,200	No
		Sodium Hydroxide	0	1,200	900	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						

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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Kenneth Erler	08:00		108	7.89	2.12
Crew: Fermin Valdez	10:00		108	6.9	0.892
Ray Lee	12:00		108	7.35	0.992
	14:00		108	7.55	1.69
	16:00:00 PM		108	7.12	1.21
Visitors: Bo Jackson	Chemical	Usage	Start Inv.	End Inv.	On Order
Visitors:	HCl Acid	0	3,200	2,900	No
Visitors:	Sodium Hydroxide	0	900	600	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:	
Lead Operator: Kenneth Erler		flow back	
Crew: Fermin Valdez		Volts/Amps	
Ray Lee		pH	
Adam Pollard		Turbidity	
Eddie McGruder		08:00 108 6.54 0.158	
		10:00 108 6.84 0.872	
		12:00 108 7.25 1.01	
		14:00 108 7.35 1.15	
		20:00 108 7.21 1.21	
		22:00 108 7.85 1.52	
Visitors: Bo Jackson		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		HCl Acid 0 2,900 2,500 No	
		Sodium Hydroxide 0 600 1,425 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
Lead Operator:	Kenneth Erler	08:00	Volts/Amps
Crew	Fermin Valdez	10:00	pH
	Ray Lee	12:00	Turbidity
	Adam Pollard	14:00	
	Eddie McGruder	20:00	
		22:00	
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			
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 Erier		flow back	Volts/Amps	pH
Crew: Fermin Valdez				Turbidity
Ray Lee				
Adam Pollard				
Eddie McGruder				
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 Erler	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	Volts/Amps	pH	Turbidity
Lead Operator: Kenneth Erler	10:00		108	7.56	0.895
Crew: Eddie McGruder Ray Lee Adam Pollard	12:00		108	6.89	0.437
	13:00		108	7.32	0.875
	16:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	20:00		N/A	N/A	N/A
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	0	6,000	5,950	NO
	Sodium Hydroxide	0	5,550	5,400	No
Visitors: Bo Jackson					
Visitors:					
Visitors:					
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:	
Lead Operator: Kenneth Erier		flow back	
Crew: Eddie McGruder		Volts/Amps	
Ray Lee		pH	
Adam Pollard		Turbidity	
		10:00	
		12:00	
		13:00	
		16:00	
		18:00	
		20:00	
Visitors: Bo Jackson		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		Hcl Acid 0 5,950 5,800 NO	
		Sodium Hydroxide 0 5,400 5,250 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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Ray Lee	10:00		110	7	0.198
Crew: Eddie McGruder	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
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	0	5,800	5,750	NO
	Sodium Hydroxide	0	5,250	5,200	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?					
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
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	0	5,750	5,500	NO
	Sodium Hydroxide	0	5,200	5,000	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?					
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 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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Ray Lee	10:00		110	6.89	1.785
Crew: Eddie McGruder	12:00		110	7.24	0.896
	14:00		110	7.13	0.987
	16:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	20:00		N/A	N/A	N/A
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 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					
Location: Nash 49					
Site Contact: Bo Jackson					
Site Contact: Sammy Dean					
		Shift Onsite Time: 6:00:00AM	am/pm		
		Shift Offsite Time: 18:00:00 PM	am/pm		
		12 hrs	Total hrs.		
		Present Onsite Activities: Processing Water			
Processing Hrs Today: 6 hrs					
BBLs Processed Today: 2,206 bbls					
BBLs/Hr Processed: 512.5					
		Cumulative Processing Hrs: 416 hrs			
		Cumulative BBLs Processed: 188,547 bbls			
		Cumulative BBLs/Hr Processed: 453.2 bbl/hr			
Lead Supervisor: Sammy Dean	Readings:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Adam Pollard	10:00		110	6.89	1.785
Crew: Ray Lee	12:00		110	7.24	0.896
	14:00		110	7.13	0.987
	16:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	20:00		N/A	N/A	N/A
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 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:	453.2 bbl/hr		
Lead Supervisor:	Sammy Dean	Readings:	flow back	Volts/Amps	pH
Lead Operator:	Adam Pollard	10:00		N/A	N/A
Crew:	Ray Lee	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
		Chemical	Usage	Start Inv.	End Inv.
		HCl Acid	0	5,500	5,500
		Sodium Hydroxide	0	5,000	5,000
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?					
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					
Location: Nash 49	Shift Onsite Time: 6:00:00AM	am/pm			
Site Contact: Bo Jackson	Shift Offsite Time: 18:00:00 PM	am/pm			
Site Contact: Sammy Dean	12 hrs	Total hrs.			
	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:	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
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	0	5,500	5,500	NO
	Sodium Hydroxide	0	5,000	5,000	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?					
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:	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
	14:00		N/A	N/A	N/A
	16:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	20:00		N/A	N/A	N/A
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HCl Acid	0	5,500	5,500	NO
	Sodium Hydroxide	0	5,000	5,000	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?					
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: 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		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	5,200	5,100	NO
Visitors: Bo Wells	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
Lead Operator:	Eddie McGruder		Volts/Amps
Crew:	Ray Lee	10:00	pH
		12:00	Turbidity
		14:00	
		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.			

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	Volts/Amps	pH
Crew: Ray Lee				Turbidity
Christopher Perry		10:00	110	7.2
		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	4,800
Visitors: Bo Wells		Sodium Hydroxide	0	4,400
				End Inv.
				4,750
				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				
JSA performed, did maintenance on units and housekeeping.				

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 bbls		Cumulative BBLs Processed: 203,784 bbls	
BBLs/Hr Processed: 512.5		Cumulative BBLs/Hr Processed: 460.0 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			
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		10:00	110	7.54
Christopher Perry		12:00	N/A	N/A
Reginald White		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.
				4,450
				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				
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:		
Lead Operator: Eddie McGruder		flow back	Volts/Amps	pH
Crew: Ray Lee		10:00	N/A	N/A
Christopher Perry		12:00	N/A	N/A
Reginald White		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	4,450
Visitors: Bo Wells		Sodium Hydroxide	0	4,050
				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				
ISA 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	Volts/Amps	pH	Turbidity
Lead Operator: Eddie McGruder	10:00		110	7.10	3.31
Crew: Ray Lee	12:00		110	7.65	1.96
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	4,200	NO
Visitors: Bo Wells	Sodium Hydroxide	0	4,050	3,800	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. 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:		
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	4,200
Visitors: Bo Wells		Sodium Hydroxide	0	3,800
				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. 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:		
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: 9/29/2012		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:	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: 9/30/2012		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:	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: 10/1/2012		Report Number: 113	
		Unit Number: 8	
Client: XTO			
Location: Nash 49			
Site Contact: Bo Jackson			
Site Contact: Sammy Dean			
		Shift Onsite Time: 6:00:00AM	am/pm
		Shift Offsite Time: 12:00 PM	am/pm
		6 hrs	Total hrs.
		Present Onsite Activities: Maintenance	
Processing Hrs Today: 0 hrs			
BBLs Processed Today: 0 bbls			
BBLs/Hr Processed: 512.5			
		Cumulative Processing Hrs: 451 hrs	
		Cumulative BBLs Processed: 208,955 bbls	
		Cumulative BBLs/Hr Processed: 463.3 bbl/hr	
Lead Supervisor: Sammy Dean			
Lead Operator: Christopher Perry			
Crew: Reginald White			
Visitors: Bo Jackson			
Visitors: Select Services			
Visitors: Bo Wells			
		Readings:	
		flow back	
		Volts/Amps	
		pH	
		Turbidity	
		10:00	N/A
		12:00	N/A
		14:00	N/A
		16:00	N/A
		18:00	N/A
		20:00	N/A
		Chemical	
		Usage	
		Start Inv.	
		End Inv.	
		On Order	
		HcL Acid	0
			4,100
		Sodium Hydroxide	0
			3,700
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 unplug 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:	flow back	Volts/Amps	pH	Turbidity
Lead Operator: Christopher Perry	10:00		N/A	N/A	N/A
Crew: Reginald White	12:00		N/A	N/A	N/A
	14:00		N/A	N/A	N/A
	16:00		N/A	N/A	N/A
	18:00		N/A	N/A	N/A
	20:00		N/A	N/A	N/A
	Chemical	Usage	Start Inv.	End Inv.	On Order
	HcL Acid	0	4,100	4,100	NO
	Sodium Hydroxide	0	3,700	3,700	No
Visitors: Bo Jackson					
Visitors: Robert Rink					
Visitors:					
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

Photo Documentation of C-141 Remedial Activities

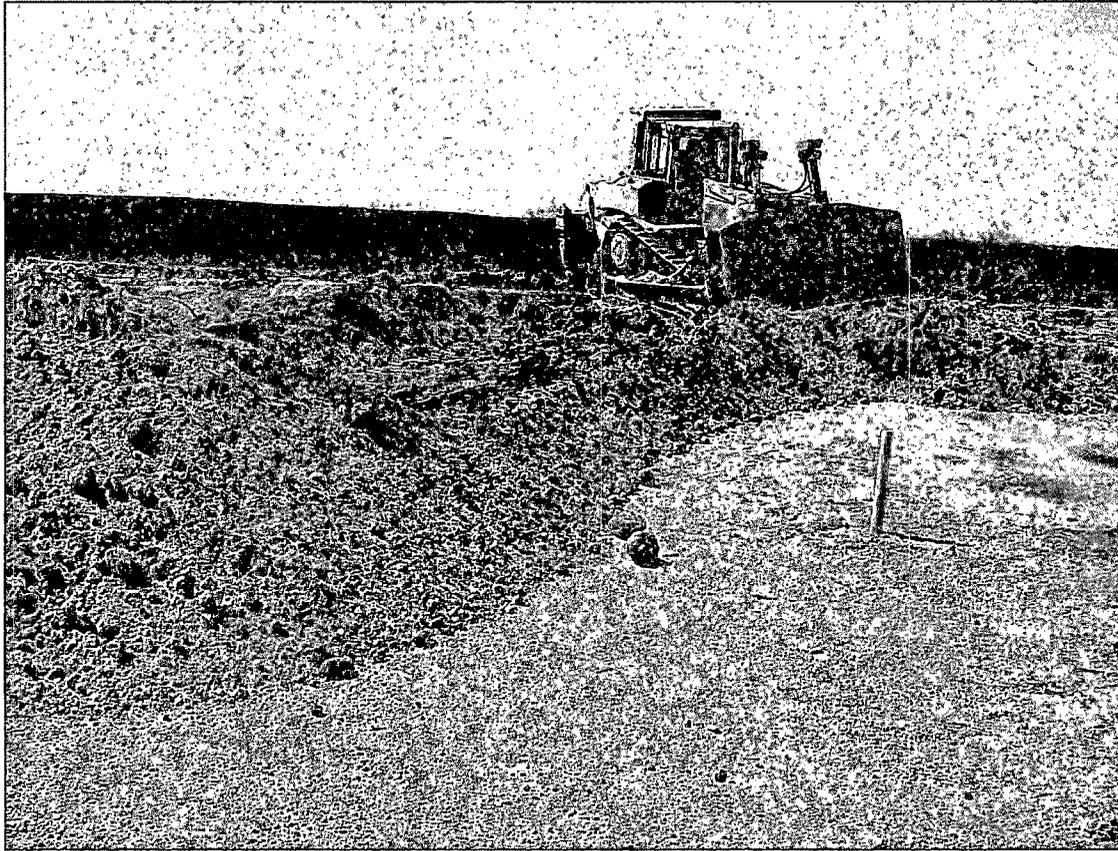


Figure 1: Stockpiling chloride impacted caliche near western 1/3 of location pad.

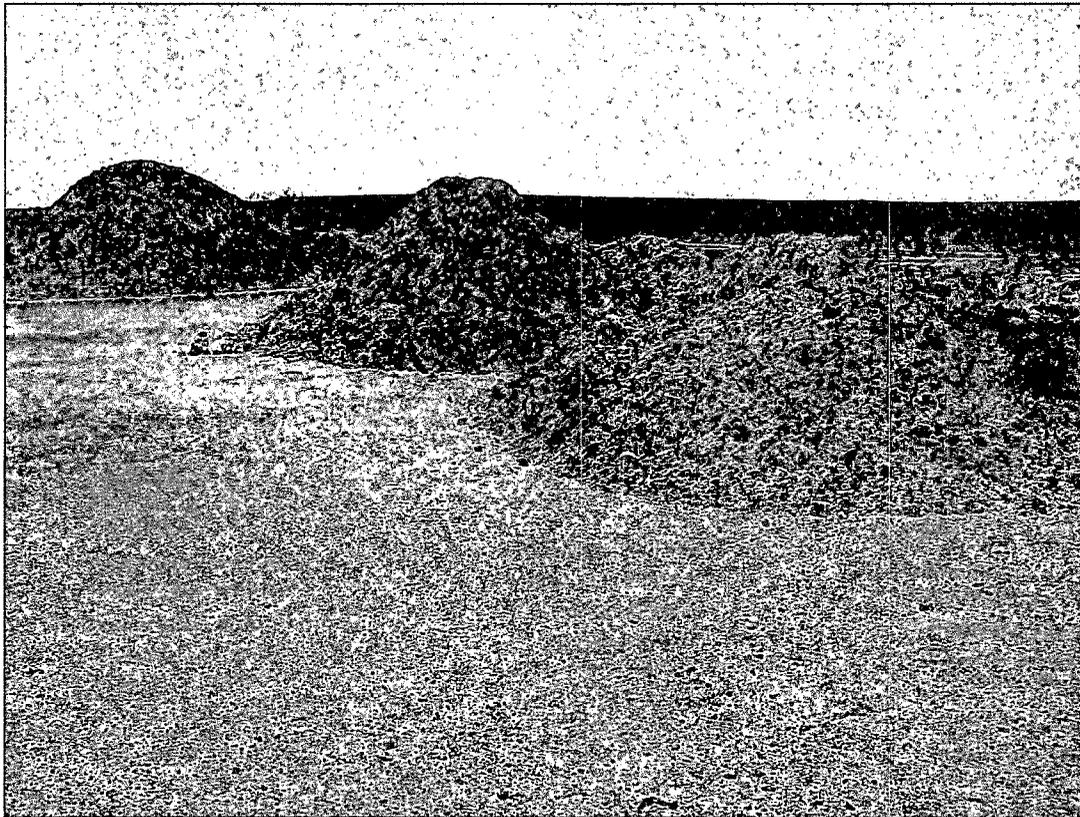


Figure 2: Stockpiled impacted caliche (two right soil piles) waiting transport to R360. The far left soil pile (background) is clean soil to be used for BLM interim reclamation activities.



Figure 3: Stockpiled chloride impacted caliche being loaded for transport to R360.



Figure 4: Western 1/3 of caliche pad removed and ready for ripping and seeding. Portions of the caliche pad were included in BLM interim reclamation activities.

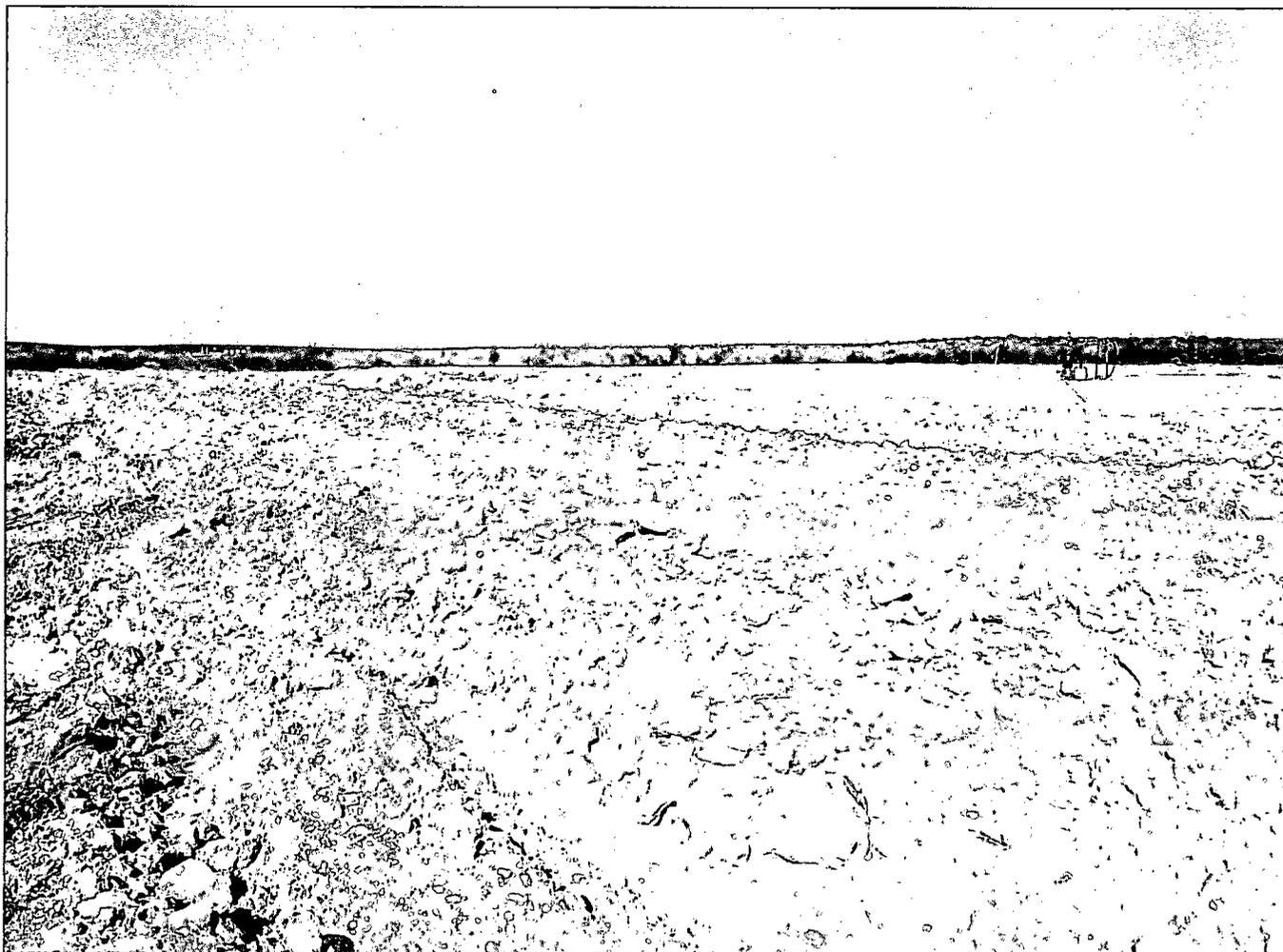


Figure 5: Photo of remediated western 1/3 of caliche pad, viewing north. Area was ripped and seeded with BLM seed mixture #4 and Alkali Sacaton.

APPENDIX D



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2012

Andrew Parker

R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW
Suite F-142
Albuquerque, NM 87104
TEL: (505) 266-5004
FAX (505) 266-0745

RE: XTO Energy Nash Unit 29

OrderNo.: 1211653

Dear Andrew Parker:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/14/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: Tank Composite

Project: XTO Energy Nash Unit 29

Collection Date: 11/13/2012

Lab ID: 1211653-001

Matrix: SOIL

Received Date: 11/14/2012 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/20/2012 6:22:22 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/20/2012 6:22:22 AM
Surr: DNOP	102	77.6-140		%REC	1	11/20/2012 6:22:22 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/16/2012 2:32:25 PM
Surr: BFB	108	84-116		%REC	1	11/16/2012 2:32:25 PM
EPA METHOD 300.0: ANIONS						Analyst: JRR
Chloride	7500	300		mg/Kg	200	11/20/2012 6:54:44 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Toluene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Naphthalene	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
1-Methylnaphthalene	ND	0.19		mg/Kg	1	11/21/2012 7:19:43 PM
2-Methylnaphthalene	ND	0.19		mg/Kg	1	11/21/2012 7:19:43 PM
Acetone	ND	0.73		mg/Kg	1	11/21/2012 7:19:43 PM
Bromobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Bromoform	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Bromomethane	ND	0.15		mg/Kg	1	11/21/2012 7:19:43 PM
2-Butanone	ND	0.49		mg/Kg	1	11/21/2012 7:19:43 PM
Carbon disulfide	ND	0.49		mg/Kg	1	11/21/2012 7:19:43 PM
Carbon tetrachloride	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
Chlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Chloroethane	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
Chloroform	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Chloromethane	ND	0.15		mg/Kg	1	11/21/2012 7:19:43 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2-Dibromo-3-chloropropane	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Dibromomethane	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: Tank Composite

Project: XTO Energy Nash Unit 29

Collection Date: 11/13/2012

Lab ID: 1211653-001

Matrix: SOIL

Received Date: 11/14/2012 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,1-Dichloroethane	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
2,2-Dichloropropane	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
1,1-Dichloropropene	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
Hexachlorobutadiene	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
2-Hexanone	ND	0.49		mg/Kg	1	11/21/2012 7:19:43 PM
Isopropylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	11/21/2012 7:19:43 PM
Methylene chloride	ND	0.15		mg/Kg	1	11/21/2012 7:19:43 PM
n-Butylbenzene	ND	0.15		mg/Kg	1	11/21/2012 7:19:43 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Styrene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2,3-Trichlorobenzene	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
1,2,3-Trichloropropane	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
Vinyl chloride	ND	0.049		mg/Kg	1	11/21/2012 7:19:43 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/21/2012 7:19:43 PM
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%REC	1	11/21/2012 7:19:43 PM
Surr: 4-Bromofluorobenzene	92.4	70-130		%REC	1	11/21/2012 7:19:43 PM
Surr: Dibromofluoromethane	90.7	70-130		%REC	1	11/21/2012 7:19:43 PM
Surr: Toluene-d8	101	70-130		%REC	1	11/21/2012 7:19:43 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	11/21/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: BG Composite

Project: XTO Energy Nash Unit 29

Collection Date: 11/13/2012

Lab ID: 1211653-002

Matrix: SOIL

Received Date: 11/14/2012 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/20/2012 8:28:08 AM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	11/20/2012 8:28:08 AM
Surr: DNOP	98.6	77.6-140		%REC	1	11/20/2012 8:28:08 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/16/2012 3:01:11 PM
Surr: BFB	101	84-116		%REC	1	11/16/2012 3:01:11 PM
EPA METHOD 300.0: ANIONS						Analyst: JRR
Chloride	3000	150		mg/Kg	100	11/20/2012 7:07:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Toluene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Naphthalene	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	11/21/2012 7:48:47 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/21/2012 7:48:47 PM
Acetone	ND	0.74		mg/Kg	1	11/21/2012 7:48:47 PM
Bromobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Bromoform	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Bromomethane	ND	0.15		mg/Kg	1	11/21/2012 7:48:47 PM
2-Butanone	ND	0.49		mg/Kg	1	11/21/2012 7:48:47 PM
Carbon disulfide	ND	0.49		mg/Kg	1	11/21/2012 7:48:47 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
Chlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Chloroethane	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
Chloroform	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Chloromethane	ND	0.15		mg/Kg	1	11/21/2012 7:48:47 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Dibromomethane	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: BG Composite

Project: XTO Energy Nash Unit 29

Collection Date: 11/13/2012

Lab ID: 1211653-002

Matrix: SOIL

Received Date: 11/14/2012 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
2-Hexanone	ND	0.49		mg/Kg	1	11/21/2012 7:48:47 PM
Isopropylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	11/21/2012 7:48:47 PM
Methylene chloride	ND	0.15		mg/Kg	1	11/21/2012 7:48:47 PM
n-Butylbenzene	ND	0.15		mg/Kg	1	11/21/2012 7:48:47 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Styrene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
Vinyl chloride	ND	0.049		mg/Kg	1	11/21/2012 7:48:47 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/21/2012 7:48:47 PM
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%REC	1	11/21/2012 7:48:47 PM
Surr: 4-Bromofluorobenzene	87.7	70-130		%REC	1	11/21/2012 7:48:47 PM
Surr: Dibromofluoromethane	91.6	70-130		%REC	1	11/21/2012 7:48:47 PM
Surr: Toluene-d8	105	70-130		%REC	1	11/21/2012 7:48:47 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	11/21/2012

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	MB-4894	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	4894	RunNo:	7001					
Prep Date:	11/19/2012	Analysis Date:	11/19/2012	SeqNo:	202928	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-4894	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	4894	RunNo:	7001					
Prep Date:	11/19/2012	Analysis Date:	11/19/2012	SeqNo:	202929	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.0	90	110			

Qualifiers:

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- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	MB-4901	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	4901	RunNo:	7021					
Prep Date:	11/19/2012	Analysis Date:	11/21/2012	SeqNo:	203589	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-4901	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	4901	RunNo:	7021					
Prep Date:	11/19/2012	Analysis Date:	11/21/2012	SeqNo:	203590	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	104	80	120			

Sample ID	LCSD-4901	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	4901	RunNo:	7021					
Prep Date:	11/19/2012	Analysis Date:	11/21/2012	SeqNo:	203591	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	106	80	120	1.28	20	

Qualifiers:

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- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD
Project: XTO Energy Nash Unit 29

Sample ID	MB-4900	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	4900	RunNo:	6989					
Prep Date:	11/19/2012	Analysis Date:	11/20/2012	SeqNo:	202423	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.8	77.6	140			

Sample ID	LCS-4900	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	4900	RunNo:	6989					
Prep Date:	11/19/2012	Analysis Date:	11/20/2012	SeqNo:	202424	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	47.4	122			
Surr: DNOP	4.0		5.000		80.2	77.6	140			

Sample ID	1211653-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	Tank Composite	Batch ID:	4900	RunNo:	6989					
Prep Date:	11/19/2012	Analysis Date:	11/20/2012	SeqNo:	202426	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.97	0	106	12.6	148			
Surr: DNOP	4.8		5.097		94.6	77.6	140			

Sample ID	1211653-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	Tank Composite	Batch ID:	4900	RunNo:	6989					
Prep Date:	11/19/2012	Analysis Date:	11/20/2012	SeqNo:	202569	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	51.18	0	104	12.6	148	0.773	22.5	
Surr: DNOP	5.1		5.118		98.8	77.6	140	0	0	

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	MB-4851	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	4851	RunNo:	6951					
Prep Date:	11/15/2012	Analysis Date:	11/16/2012	SeqNo:	202014	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.3	84	116			

Sample ID	LCS-4851	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	4851	RunNo:	6951					
Prep Date:	11/15/2012	Analysis Date:	11/16/2012	SeqNo:	202015	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.3	74	117			
Surr: BFB	1000		1000		104	84	116			

Sample ID	1211653-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	Tank Composite	Batch ID:	4851	RunNo:	6951					
Prep Date:	11/15/2012	Analysis Date:	11/16/2012	SeqNo:	202020	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.63	0	118	70	130			
Surr: BFB	1100		985.2		109	84	116			

Sample ID	1211653-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	Tank Composite	Batch ID:	4851	RunNo:	6951					
Prep Date:	11/15/2012	Analysis Date:	11/16/2012	SeqNo:	202021	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	24.75	0	118	70	130	0.0876	22.1	
Surr: BFB	1100		990.1		109	84	116	0	0	

Qualifiers:

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- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	mb-4851	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES		
Client ID:	PBS	Batch ID:	4851	RunNo:	7060		
Prep Date:	11/15/2012	Analysis Date:	11/21/2012	SeqNo:	204634	Units:	mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Methyl tert-butyl ether (MTBE)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
Naphthalene	ND	0.10								
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Acetone	ND	0.75								
Bromobenzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
Bromomethane	ND	0.15								
2-Butanone	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.10								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.10								
Chloroform	ND	0.050								
Chloromethane	ND	0.15								
2-Chlorotoluene	ND	0.050								
4-Chlorotoluene	ND	0.050								
cis-1,2-DCE	ND	0.050								
cis-1,3-Dichloropropene	ND	0.050								
1,2-Dibromo-3-chloropropane	ND	0.10								
Dibromochloromethane	ND	0.050								
Dibromomethane	ND	0.10								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane	ND	0.050								
1,1-Dichloroethane	ND	0.10								
1,1-Dichloroethene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.050								
2,2-Dichloropropane	ND	0.10								
1,1-Dichloropropene	ND	0.10								
Hexachlorobutadiene	ND	0.10								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH greater than 2

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	mb-4851	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	PBS	Batch ID:	4851	RunNo:	7060					
Prep Date:	11/15/2012	Analysis Date:	11/21/2012	SeqNo:	204634		Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Hexanone	ND	0.50								
isopropylbenzene	ND	0.050								
4-Isopropyltoluene	ND	0.050								
4-Methyl-2-pentanone	ND	0.50								
Methylene chloride	ND	0.15								
n-Butylbenzene	ND	0.15								
n-Propylbenzene	ND	0.050								
sec-Butylbenzene	ND	0.050								
Styrene	ND	0.050								
tert-Butylbenzene	ND	0.050								
1,1,1,2-Tetrachloroethane	ND	0.050								
1,1,2,2-Tetrachloroethane	ND	0.050								
Tetrachloroethene (PCE)	ND	0.050								
trans-1,2-DCE	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
1,2,3-Trichlorobenzene	ND	0.10								
1,2,4-Trichlorobenzene	ND	0.050								
1,1,1-Trichloroethane	ND	0.050								
1,1,2-Trichloroethane	ND	0.050								
Trichloroethene (TCE)	ND	0.050								
Trichlorofluoromethane	ND	0.050								
1,2,3-Trichloropropane	ND	0.10								
vinyl chloride	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.2	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.4	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.3	70	130			
Surr: Toluene-d8	0.52		0.5000		103	70	130			

Sample ID	ics-4851	SampType:	LCS	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	LCSS	Batch ID:	4851	RunNo:	7060					
Prep Date:	11/15/2012	Analysis Date:	11/21/2012	SeqNo:	204635		Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	101	70	130			
Toluene	1.1	0.050	1.000	0	108	80	120			
Chlorobenzene	1.0	0.050	1.000	0	101	70	130			
1,1-Dichloroethene	1.1	0.050	1.000	0	110	74	124			
Trichloroethene (TCE)	0.88	0.050	1.000	0	87.9	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.4	70	130			
Surr: 4-Bromofluorobenzene	0.43		0.5000		86.1	70	130			

Qualifiers:

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- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	ics-4851		SampType: LCS	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	LCSS		Batch ID: 4851	RunNo: 7060						
Prep Date:	11/15/2012	Analysis Date:	11/21/2012	SeqNo: 204635	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	0.47		0.5000		93.7	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID	1211653-002ams		SampType: MS	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	BG Composite		Batch ID: 4851	RunNo: 7060						
Prep Date:	11/15/2012	Analysis Date:	11/21/2012	SeqNo: 204638	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.049	0.9804	0	92.9	80.9	118			
Toluene	0.95	0.049	0.9804	0	97.4	69.5	119			
Chlorobenzene	0.87	0.049	0.9804	0	88.9	75.7	115			
1,1-Dichloroethene	0.99	0.049	0.9804	0.01122	100	68.6	126			
Trichloroethene (TCE)	0.81	0.049	0.9804	0	82.4	68.7	115			
Surr: 1,2-Dichloroethane-d4	0.47		0.4902		96.4	70	130			
Surr: 4-Bromofluorobenzene	0.42		0.4902		85.6	70	130			
Surr: Dibromofluoromethane	0.47		0.4902		95.4	70	130			
Surr: Toluene-d8	0.50		0.4902		102	70	130			

Sample ID	1211653-002amsd		SampType: MSD	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	BG Composite		Batch ID: 4851	RunNo: 7060						
Prep Date:	11/15/2012	Analysis Date:	11/21/2012	SeqNo: 204639	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.049	0.9891	0	93.3	80.9	118	1.30	20	
Toluene	0.98	0.049	0.9891	0	98.8	69.5	119	2.28	20	
Chlorobenzene	0.88	0.049	0.9891	0	89.3	75.7	115	1.32	20	
1,1-Dichloroethene	1.0	0.049	0.9891	0.01122	99.6	68.6	126	0.357	24.8	
Trichloroethene (TCE)	0.82	0.049	0.9891	0	83.3	68.7	115	1.99	20	
Surr: 1,2-Dichloroethane-d4	0.47		0.4946		95.9	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.41		0.4946		83.4	70	130	0	0	
Surr: Dibromofluoromethane	0.48		0.4946		96.6	70	130	0	0	
Surr: Toluene-d8	0.51		0.4946		104	70	130	0	0	

Sample ID	mb-4881		SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	PBS		Batch ID: 4881	RunNo: 7060						
Prep Date:	11/19/2012	Analysis Date:	11/21/2012	SeqNo: 204640	Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.8	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.1	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211653

29-Nov-12

Client: R.T. Hicks Consultants, LTD

Project: XTO Energy Nash Unit 29

Sample ID	ics-4881	SampType:	LCS	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	LCSS	Batch ID:	4881	RunNo:	7060					
Prep Date:	11/19/2012	Analysis Date:	11/21/2012	SeqNo:	204641	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.6	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.1	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.8	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Client Name: RT HICKS Work Order Number: 1211653
 Received by/date: MG 11/14/12
 Logged By: Anne Thorne 11/14/2012 10:50:00 AM *Anne Thorne*
 Completed By: Anne Thorne 11/19/2012 *Anne Thorne*
 Reviewed By: *AT 11/19/12*

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Client

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 15. Is it clear what analyses were requested? Yes No
- 16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: R.T. Hicks Consultants

Mailing Address: on file

Phone #: 505-266-5004

email or Fax#: andrew@rthicksconsult.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation
 NELAP Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name: XTO Energy Nash Unit #29

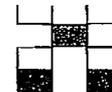
Project #:

Project Manager: Andrew Parker

Sampler: Andrew Parker

On Site: Yes No

Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
11/13/12	1254	soil	tank # 1 @ 8"	4oz glass	ice				✓	✓				✓		✓		
"	1256	"	tank # 2 @ 8"	"	"				✓	✓				✓		✓		
"	1259	"	tank # 3 @ 8"	"	"				✓	✓				✓		✓		
"	1303	"	tank # 4 @ 8"	"	"				✓	✓				✓		✓		
"	1305	"	tank # 5 @ 8"	"	"				✓	✓				✓		✓		
"	1311	"	BG # 1 @ 8"	"	"				✓	✓				✓		✓		
"	1314	"	BG # 2 @ 8"	"	"				✓	✓				✓		✓		
"	1317	"	BG # 3 @ 8"	"	"				✓	✓				✓		✓		
"	1325	"	BG # 4 @ 8"	"	"				✓	✓				✓		✓		
"	1327	"	BG # 5 @ 8"	"	"				✓	✓				✓		✓		
"			Tank composite*			-001			X	X				X		X		
"			Bis composite**			-002			X	X				X		X		

Date: 11/14	Time: 10:50	Relinquished by: <u>Andrew Parker</u>	Received by: <u>M... ..</u>	Date: 11/14/12	Time: 10:50	Remarks: * Do not analyze point samples tank #1 - #5 ** Do not analyze point samples Bb #1 - 5 Lab composite Tank #1-5 - Lab composite Bb #1
Date:	Time:	Relinquished by:	Received by:	Date:	Time:	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

February 18, 2013

ANDREW PARKER

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: XTO NASH UNIT 29

Enclosed are the results of analyses for samples received by the laboratory on 02/13/13 7:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 R T HICKS CONSULTANTS
 ANDREW PARKER
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

 Received: 02/13/2013
 Reported: 02/18/2013
 Project Name: XTO NASH UNIT 29
 Project Number: NONE GIVEN
 Project Location: UNIT 'J', SEC. 13, T23S, R29E

 Sampling Date: 02/11/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE TRENCH @ 2' BGS (H300404-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	02/18/2013	ND	448	112	400	0.00	
Conductivity 120.1		uS/cm		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Conductivity*	8010	1.00	02/15/2013		476	95.2	500	0.752	

Sample ID: SAMPLE TRENCH @ 4' BGS (H300404-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	02/18/2013	ND	416	104	400	3.77	
Conductivity 120.1		uS/cm		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Conductivity*	6020	1.00	02/15/2013		476	95.2	500	0.752	

Sample ID: SAMPLE TRENCH @ 6' BGS (H300404-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/18/2013	ND	416	104	400	3.77	
Conductivity 120.1		uS/cm		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Conductivity*	7050	1.00	02/15/2013		476	95.2	500	0.752	

Cardinal Laboratories

*=Accredited Analyte

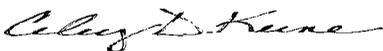
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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager

June 28, 2013

KRISTIN POPE

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: XTO NASH UNIT 29

Enclosed are the results of analyses for samples received by the laboratory on 06/26/13 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

 Received: 06/26/2013
 Reported: 06/28/2013
 Project Name: XTO NASH UNIT 29
 Project Number: NONE GIVEN
 Project Location: UNIT 'J', SEC. 13, T23S, R29E

 Sampling Date: 06/24/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BACKGROUND @ 1.5' (H301491-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	06/28/2013	ND	448	112	400	3.64	

Sample ID: BACKGROUND @ 3' (H301491-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	06/28/2013	ND	448	112	400	3.64	

Sample ID: BACKGROUND @ 4.5' (H301491-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	06/28/2013	ND	448	112	400	3.64	

Sample ID: BACKGROUND @ 6' (H301491-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	06/28/2013	ND	448	112	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	06/26/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	XTO NASH UNIT 29	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UNIT 'J', SEC. 13, T23S, R29E		

Sample ID: BACKGROUND @ 7.5' (H301491-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	06/28/2013	ND	448	112	400	3.64		

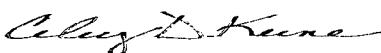
Sample ID: BACKGROUND @ 8' (H301491-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	06/28/2013	ND	448	112	400	3.64		

Cardinal Laboratories

*=Accredited Analyte

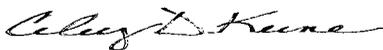
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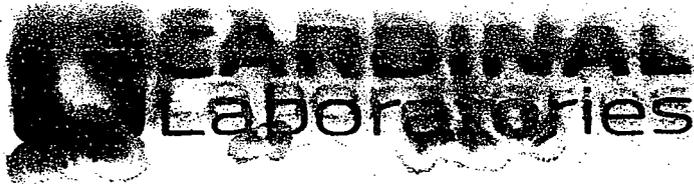
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: <i>R.T. Hicks Consultants</i>		BILL TO		ANALYSIS REQUEST																				
Project Manager: <i>Kristin Pope</i>		P.O. #:																						
Address:		Company: <i>RT Hicks</i>																						
City: State: Zip:		Attn:																						
Phone #: Fax #:		Address:																						
Project #: Project Owner: <i>XTO</i>		City:																						
Project Name: <i>XTO Nash Draw 29</i>		State: Zip:																						
Project Location: <i>Eddy County</i>		Phone #:																						
Sampler Name: <i>K. Pope</i>		Fax #:																						
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS											MATRIX					PRESERV.		SAMPLING			
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
<i>H301491</i>																								
<i>1</i>	<i>Background @ 1.5'</i>	<i>G</i>	<i>1</i>										<i>062413</i>											
<i>2</i>	<i>" 3'</i>	<i>1</i>	<i>1</i>										<i>"</i>											
<i>3</i>	<i>" 4.5'</i>	<i>1</i>	<i>1</i>										<i>"</i>											
<i>4</i>	<i>" 6'</i>	<i>1</i>	<i>1</i>										<i>"</i>											
<i>5</i>	<i>" 7.5'</i>	<i>1</i>	<i>1</i>										<i>"</i>											
<i>6</i>	<i>" 8'</i>	<i>1</i>	<i>1</i>										<i>"</i>											

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Relinquished By: <i>Kristin Pope</i>	Date: <i>062613</i> Time: <i>0700</i>	Received By: <i>Douglas Ray</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By: <i>Jodi Henson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	50	Sample Condition	REMARKS:	
Sampler - UPS - Bus - Other:	50	Cool / Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Email to <i>andrew@rthicksconsult.com</i> and <i>kristin@</i>	
		CHECKED BY: <i>JH</i>		

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326