Form C-144 Revised August 1, 2011

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

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 Proposed Alternative Method Permit or		ation				
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.						
Operator: Logos Operating, LLC Address: 4001 North Butler Avenue, Building 7101 Farmington, NM 87401 Facility or well name: LOGOS 1	OGRID#: 289408	RCVD OCT 1'14 OIL CONS. DIV. DIST. 3				
API Number: 30-043-21119 OCD Permit Number:	05W County: SAND	OOVAL NAD: □1927 🛭 1983				
2. Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness20mil LLDPE HDPE String-Reinforced Liner Seams: Welded Factory Other Volume:						
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 t intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDP 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 an	d automatic overflow shut-off					
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) The Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify 4' hog wire with one strand of barbed wire on top	
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	
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 (consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate of the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dryitabove-grade tanks associated with a closed-loop system.	priate district pproval.
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	☐ Yes ☐ No
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	Yes No
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	☐ Yes ☐ No ☐ NA
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	Yes 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 search; Visual inspection (certification) of the proposed site	☐ Yes ☐ 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	Yes No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No

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 ☐ 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 H ₂ S, 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
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

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel					
Instructions: Please indentify the facility or facilities for the disposal of liquids, drillin facilities are required.	g fluias ana ariu cuttings. Use attachment if i	nore than two			
	sal Facility Permit Number:				
Disposal Facility Name: Disposal Facility Permit Number:					
Will any of the proposed closed-loop system operations and associated activities occur of ☐ Yes (If yes, please provide the information below) ☐ No	-	vice and operations?			
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requi Re-vegetation Plan - based upon the appropriate requirements of Subsection I of I Site Reclamation Plan - based upon the appropriate requirements of Subsection G	9.15.17.13 NMAC	С			
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 provided below. Requests regarding changes to certain siting criteria may require admic considered an exception which must be submitted to the Santa Fe Environmental Bure demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for gu	inistrative approval from the appropriate dist au office for consideration of approval. Just	rict office or may be			
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 obta	ned from nearby wells	☐ Yes ☐ No ☐ 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 obta	ned from nearby wells	☐ Yes ☐ No ☐ 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 obta	ned from nearby wells	☐ Yes ☐ No ☐ NA			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significate lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	nt watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ No			
Within 300 feet from a permanent residence, school, hospital, institution, or church in ex - Visual inspection (certification) of the proposed site; Aerial photo; Satellite imag		☐ Yes ☐ No			
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, - NM Office of the State Engineer - iWATERS database; Visual inspection (certification)	in existence at the time of initial application.	☐ Yes ☐ No			
Within incorporated municipal boundaries or within a defined municipal fresh water well adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtains	·	☐ Yes ☐ No			
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual insp	ection (certification) of the proposed site	☐ Yes ☐ No			
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and N	Aineral Division	☐ Yes ☐ No			
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & M Society; Topographic map 	ineral Resources; USGS; NM Geological	☐ Yes ☐ No			
Within a 100-year floodplain FEMA map		☐ Yes ☐ No			
Dn-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the followark a check mark in the box, that the documents are attached. □ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subsetting Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - to Protocols and Procedures - based upon the appropriate requirements of 19.15.17.1. □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsetting Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cut Soil Cover Design - based upon the appropriate requirements of Subsection H of 1 Re-vegetation Plan - based upon the appropriate requirements of Subsection G	ents of 19.15.17.10 NMAC action F of 19.15.17.13 NMAC ate requirements of 19.15.17.11 NMAC assed upon the appropriate requirements of 19.8 NMAC and Subsection F of 19.15.17.13 NMAC action F of 19.15.17.13 NMAC action F of 19.15.17.13 NMAC attings or in case on-site closure standards cann 9.15.17.13 NMAC	15.17.11 NMAC			

1	
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate a	and complete to the best of my knowledge and belief.
Name (Print): Title:	
Signature:	Date:
e-mail address: Telephone:	
\sim 1 \sim \sim ()	(only) OCD Conditions (see attachment) Approval Date: 17/20/20)4 OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of Instructions: Operators are required to obtain an approved closure plan prior to im The closure report is required to be submitted to the division within 60 days of the consection of the form until an approved closure plan has been obtained and the closure	mplementing any closure activities and submitting the closure report. completion of the closure activities. Please do not complete this
22. Closure Method: Waste Excavation and Removal ☑ On-Site Closure Method ☐ Alternative If different from approved plan, please explain.	e Closure Method
	Disposal Facility Permit Number:
Closure Report Attachment Checklist: Instructions: Each of the following items mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (réquired 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: Latitude36.16848°N Longitude _107.3878	
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements	
Name (Print): Tamra Sessions	Title:Operations Technician
Signature: Jan Sessin	Date:
a mail addrage: teassions@logosrasourcaelle.com	Telephone: 505_330_0333

Logos Operating, LLC San Juan Basin Closure Report

Lease Name: LOGOS 1 API NO: 30-043-21119

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of temporary pits on Logos Operating, LLC (Logos) locations. This is Logos' standard procedure for all temporary pits. A Separate plan will be submitted for any temporary pit that does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of the pit closure. Closure report will be filed on C-144 and incorporated the following:

- Detail on Capping and Covering, where applicable (See report)
- Plot Plan (Pit diagram) (Included as an attachment)
- Inspection reports (Included as an attachment)
- Sampling Results (Included as an attachment)
- C-105 (Included as an attachment)
- Copy of Deed Notice will be filed with County Clerk (Not required on Federal, State or Tribal land as stated by FAQ dated October 30, 2008)

General Plan

1 All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.

All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B).

2 The preferred method of closure for all temporary pits will be on-site burial, assuming that all criteria listed in sub-section (B) of 19.15.17.13 are met.

The Pit was closed using onsite burial.

3 The surface owner shall be notified of Logos' proposed closure plan using a means that provides proof of notice i.e., certified mail, return receipt requested.

The closure process notification to the landowner was sent via certified mail. (See attached). Well located on Tribal Land.

4 Within 6 months of the Rig Off status occurring Logos will ensure that temporary pits are closed, recontoured, and reseeded.

The closure plan requirements were met due to rig move off date as noted on C-105. Re-contouring and seeding occurred in Fall 2013 due to rig and construction activity in developing this lease.

- Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally, The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API Number

Due to confusion at the time this temporary pit was closed, only the Jicarilla Nation and BIA were notified. In the future Logos will comply with OCD ruling 19.15.17.13(E)(2).

6 Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken or remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liver will be disposed of at a licensed disposal facility.

Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to

remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility. (San Juan County Landfill).

7 Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.

Logos mixed the pit contents with non-waste containing, earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio consisted of not more than approximately 3 parts clean soil to 1 part pit contents.

8 A five point composite sample will be taken of the pit using sampling tools and all samples rested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul

A five composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

Components	Tests Method	Limit (mg/Kg)	Results (ppm)	
Benzene	EPA SW-846 8021B	0.2	ND	1
	or 8260B			
BTEX	EPA SW-846 8021B	50	3.9 40.8 37	10/29/2014 per Toma
	or 8260B			•
TPH	EPA SW-846 418.1	2500	ND	
GRO/DRO	EPA SW-846 8015M	500	40.8 3.9 T	L 10/20/2014 Per Tamon
Chlorides	EPA 300.1	1000	144	•

9 Upon completion of solidification and testing, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The pit material passed solidification and testing standards. The pit area was then backfilled with compacted, non-waste containing, earthen material. More than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

10 Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Reshaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour has a uniform appearance with smooth surface, fitting the natural landscape.

11 Notification will be sent to OCD when the reclaimed area is seeded.

Provision 11 was accomplished in accordance with NMOCD 19.15.17.13(5)(d) Notification will be sent to the OCD when re-vegetation is established.

Logos shall seed the distributed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixed will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover thorough twp successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 12 was accomplished in accordance with NMOCD 19.15.17.13(5)(d) Notification will be sent to the OCD when re-vegetation is established.

13 The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name. Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

Provision 13 was accomplished by installing a steel marker in the temporary pit, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial. The marker is flush with the ground to allow access of the active well pad and for safety concerns. The top of the marker contains a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate contains the following: Operator's name, Lease Name and Well Number, Unit Letter, Section, Township, Range and an indicator that the marker is an onsite burial location.

The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the following operator's information at the time of all wells on the pad are abandoned. The riser will also indicate that the marker is for an onsite burial location.

Operator Name: LOGO

Lease Name & Well Number: LOGOS 1

Unit Letter: F Section: 5 Township: T22N

Range: R05W API #: 30-043-21119

OBL

14 Logos inspected the temporary pit but no physical logs were kept. Logos monitored and closed the pit in coordination and under the supervision of the Jicarilla/BIA. The sampling results of the pit contents were within the required thresholds. In the future Logos will maintain logs in accordance with OCD ruling 19.15.17.12(B)(3).



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting Lease Management Contract Pumping 7415 East Main Farmington, New Mexico 87402 (505) 327-4892 • Fax (505) 327-9834

May 21, 2012

CERTIFIED MAIL

Ms. Merldine Oka Jicarilla Apache Nation Oil and Gas Administration #6 Dulce Rock Road Dulce, NM 87528

Re:

Logos Capital Management, LLC

Logos #1 and Logos #2

Dear Ms. Oka,

According to NMOCD rules, Logos Capital Management, LLC is notifying you that they intend to bury the drill cuttings in the reserve pit, assuming that they qualify as per Subsection B of 19.15.17.13 (B) (1)(b) NMAC. No action is required on your part. If you have any questions, please don't hesitate to call me.

Sincerely,

Paul C. Thompson, P.E.

Agent for Logos Capital Management, LLC

RECEIVED

Form 3160-5

[1AY 02 2012 UNITED STATES

FORM APPROVED

(August 1999)	eld C fficBudget Bu	reau No. 1004-0135					
SUNDRY NOTICES AND REPORTS ON WELLS					5. Lease Serial No. Jicarilla Apache Lease #424 6. If Indian, Allottee or Tribe Name Jicarilla Apache Nation 7. If Unit or CA/Agreement, Name and/or No.		
	The state of	. 点 热烈思维推		1.			
1 Type of Well Oil Well Ga	is Well 🗵 Other			8. Well Name			
2 Name of Operator	s well Other			Logos #			
Logos Capital Management				30-04			
3a. Address c/o Walsh Engineering	3b. F	hone No. (include area	codel		Pool, or Exploratory Area		
7415 East Main St. Farmingt		505) 327-4892	coucy	Basin Da			
4. Location of Well (Footage, Sec., 7				11. County or			
1610' FNL & 1710' FWL S				Sandova	_		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			54.10014	.,		
12. CHECK	APPROPRIATE BOX(ES)	TO INDICATE NA	TURE OF NOTION	CE, REPORT, OR	OTHER DATA		
TYPE OF SUBMISSION		TYP	E OF ACTION				
✓ Notice of Intent	Acidize	☐ Deepen	☐ Bradwat	ion (Start/Resume)	☐ Water Shut-Off		
Monce of Intent	Alter Casing	Fracture Treat	☐ Reclam		Well Integrity		
Subsequent Report	Casing Repair	New Construc			Other		
	☑ Change Plans	Plug and Aban		arily Abandon			
Final Abandonment Notice	Convert to Injection	Plug Back	☐ Water D	-			
outer corners of the pad wi	n the work will be performed or page involved operations. If the operations are the operations on pleted. Final Abandonment N	rovide the Bond No. on ation results in a multip otices shall be filed onl ion.) BIA, the location havel! location moved	file with BLM/BIA Rele completion or recon y after all requirement	equired subsequent re apletion in a new inter s, including reclamation degrees so that the	eports shall be filed within real, A Form 3160-4 on, have been completed one pits will be uphill. The location diagram.		
		-			RCVD MAY 22'12		
					OIL CONS. DIV.		
					DIST. 3		
14 Thereby certify that the foregoing Name (Printed/Typed)	is true and correct	ı					
Paul C. Thompson, P.E.		Tiu	e Agent/	Engineer			
Tati O. Thompson, T.D.		110	- 1,190110				
Signature Paul C.	Thomps -	Dat	e April 2	7, 2012			
	THIS SPACE	FOR FEDERAL	OR STATE OFFI	ČE UŠE			

which would entitle the applicant to conduct operation thereon.

Title 18 U.C.S. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Approved by Au Ce Lot Conditions of approval, if any, are attached. Approval of this notice does not warrant or

certify that the applicant holds legal or equitable title to those rights in the subject lease



Title Office Date 5/21/12

District I 1625 N. French Onive, Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First Street. Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Phone: (505) 334-6170 Fax: (505) 334-6170

Oistrict IV 1220 S. St. Francis Orive, Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

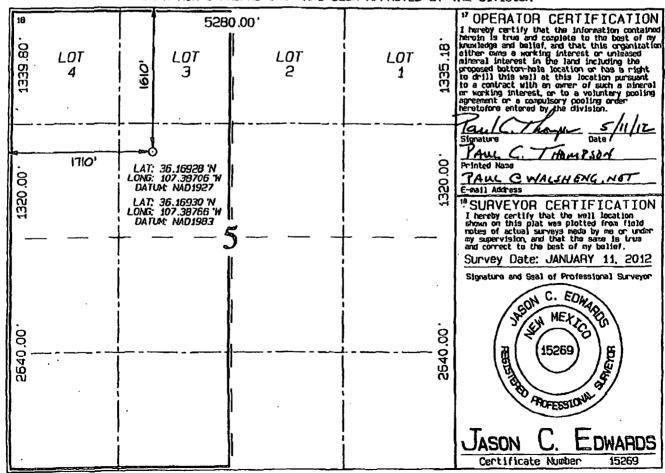
OIL CONSERVATION DIVISION 1220 South St. Francis Drive Santa Fe, NM 87505

AMENDED REPORT

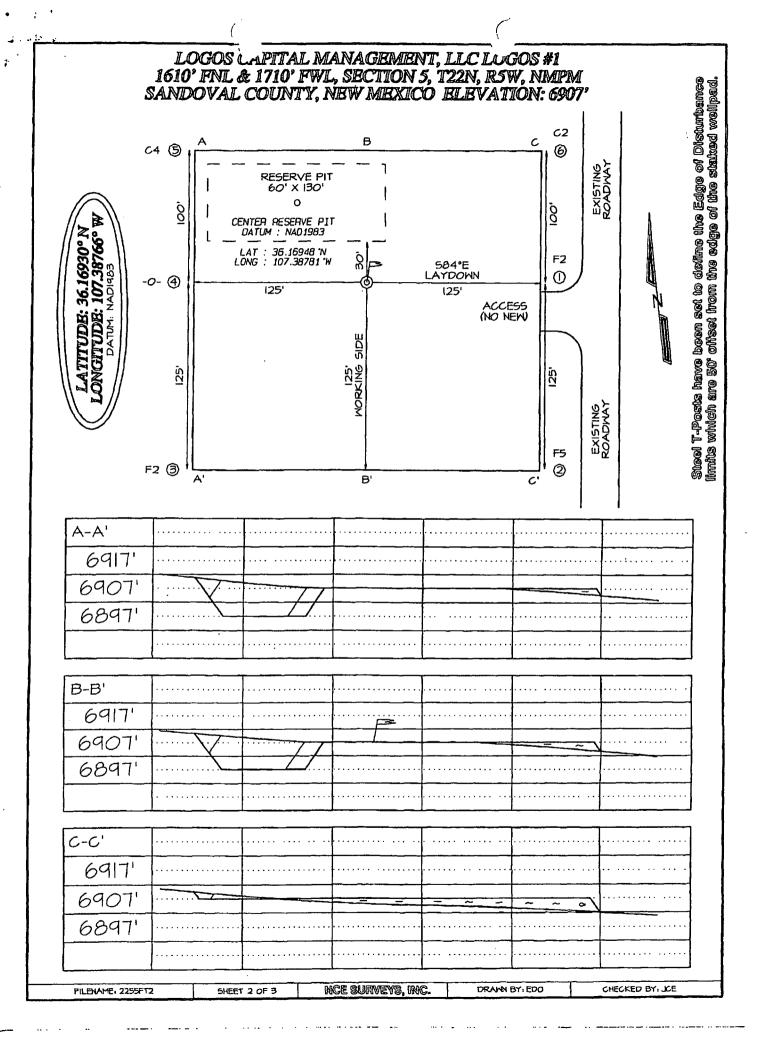
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-0	191 Numbe 193-			*Pool Coo 71599		POOT Name BASIN DAKOTA				
Property 3923		Property Name 'Wall Number LOGOS 1						all Number		
'06RIO No. "Operator Name "Elevation 287123 LOGOS CAPITAL MANAGEMENT, LLC 5907"										
10 Surface Location										
U, or lot no.	Section 5	22N	Ange 5W	Lot Idn	Feet from the	NORTH	Feet from the 1710	EDST/MEST 1170 WEST	SANDOVAL	
11 Bottom Hole Location If Different From Surface										
UL or lot ro.	Saction	Torrship	Nange	Lot Idn	Feet from the	North/South Ting	Feat from the	East/bleat line	Dounty	
¹⁸ Dedicated Acres		13 Acre	s - (W	l/2)	19 Joint or Infill	14 Consolidation Coda	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



5277.36





Report Summary

Client: Walsh Eng

Chain of Custody Number: 14232

Samples Received: 08-08-12

Job Number: 07173-0001

Sample Number(s): 62901

Project Name/Location: Logo's #1

Entire Report Reviewed By:

Date: 8/16/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Walsh Engr	Project #:	07173-0001
Sample ID:	Logo's #1	Date Reported:	08-16-12
Laboratory Number:	62901	Date Sampled:	08-08-12
Chain of Custody No:	14232	Date Received:	08-08-12
Sample Matrix:	Soil	Date Extracted:	08-13-12
Preservative:	Cool	Date Analyzed:	08-15-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	3.9	0.1
Total Petroleum Hydrocarbons	3.9	`

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Logo's #1



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	0815TCAL QA	/QC	Date Reported	:	08-16-12
Laboratory Number:	62927		Date Sampled	•	N/A
Sample Matrix:	Methylene Chic	oride	Date Received	l:	N/A
Preservative:	N/A		Date Analyzed	08-15-12	
Condition:	N/A		Analysis Requ		TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	08-15-12	9.6289E+02	9.6327E+02	0.04%	0 - 15%
Diesel Range C10 - C28	08-15-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Limi	t
Gasoline Range C5 - C10		ND		0.2	•
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons	5	ND			
Duplicate Conc. (mg/kg)	Sample	Duplicate	% Difference	Accept. Range	•
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	5.3	5.2	1.9%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	220	87.9%	75 - 125%
Diesel Range C10 - C28	5.3	250	298	117%	75 - 125%
5.000. 10mg0 0.0 - 020	0.0	200	200	1 1 1 / 0	10 - 120/0

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 62896-62901, 62927-62928, 62933-62934 and 62937

Ph (505) 632-0615 Fx (505) 632-1865

mount-designing



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

10.0

Client:	Walsh Engr	5	Project #:		07173-0001		
Sample ID:	Logos #1	I	Date Reported:		08-15-12		
Laboratory Number:	62901	Į.	Date Sampled:		08-08-12		
Chain of Custody:	14232		Date Received:		08-08-12		
Sample Matrix:	Soil		Date Analyzed:		08-14-12		
Preservative:	Cool	1	Date Extracted:		08-14-12		
Condition:	Intact		Analysis Requested:				
		1	Dilution:		50		
				Det.			
		Concentration	1	Limit			
Parameter		(ug/Kg)	ug/Kg) (u				
Benzene		ND		10.0			
Toluene		ND		10.0			
Ethylbenzene		12.1		10.0			
p.m-Xvlene		28.7		10.0			

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	88.8 %
	1,4-difluorobenzene	98.4 %
	Bromochlorobenzene	94.9 %

ND

40.8

References:

o-Xylene

Total BTEX

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846

USEPA, December 1996.

Comments: Logo's #1

Ph (505) 632-0615 Fx (505) 632-1865

व्याप्रीकारक क्षेत्रकार



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample (D: Laboratory Number: Sample Matrix: Preservative: Condition:	N/A 0814BCAL QA/QC 62896 Soil N/A N/A	; [[[]	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis: Dilution:	N/A 08-15-12 N/A N/A 08-14-12 BTEX 50						
Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.					
Detection Limits (ug/L)	· · · ·	Accept. Range 0-15%		Conc	Limit					
Benzene	7.3179E-06	7.3179E-06	0.000	ND	0.2					
Toluene	6.4792E-06	6.4792E-06	0.000	ND	0.2					
Ethylbenzene	7.0634E-06	7.0634E-06	0.000	ND	0.2					
p,m-Xylene	5.1175E-06	5.1175E-06	0.000	ND	0.2					
o-Xylene	7.3712E-06	7.3712E-06	0.000	ND	0.2					
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect, Limit					
Benzene	ND	ND	0.00	0 - 30%	10					
Toluene	ND	ND	0.00	0 - 30%	10					
Ethylbenzene	ND	ND	0.00	0 - 30%	10					
p,m-Xylene	ND	ND	0.00	0 - 30%	10					
o-Xylene	ND	ND.	0.00	0 - 30%	10					
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range					
Benzene	ND	2500	2430	97.2	39 - 150					
Toluene	ND	2500	2420	96.8	46 - 148					
Ethylbenzene	ND	2500	2450	98.0	32 - 160					
p,m-Xylene	ND	5000	4850	97.0	46 - 148					
o-Xylene	ND	2500	2420	96.8	46 - 148					

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 62864, 62901, 62896-62900 and 62927-62928

Ph (505) 632-0615 Fx (505) 632-1865

CONSTITUTE STORMS



Chloride

Client: Walsh Eng Project #: 07173-0001 Sample ID: Logos #1 Date Reported: 08-14-12 Lab ID#: 62901 Date Sampled: 08-08-12 Sample Matrix: Soil Date Received: 08-08-12 Preservative: Cool Date Analyzed: 08-13-12 Condition: Intact Chain of Custody: 14232

Parameter

Concentration (mg/Kg)

Total Chloride

144

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Logo's #1



TRACE METAL ANALYSIS

Client:	Walsh Engr	Project #:	07173-0001
Sample ID:	Logos #1	Date Reported:	08-14-12
Laboratory Number:	62901	Date Sampled:	08-08-12
Chain of Custody:	14232	Date Received:	08-08-12
Sample Matrix:	Soil	Date Analyzed:	08-13-12
Preservative:	Cool	Date Digested:	08-13-12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	10

Parameter	(mg/Kg)	(mg/Kg)	
	Concentration	Limit	
		Det.	

Arsenic	3.25	0.01
Barium	58.0	0.01
Cadmium	0.21	0.01
Chromium	2.27	0.01
Lead	3.90	0.01
Mercury	0.01	0.01
Selenium	0.11	0.01
Silver	ND	0.01

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Logo's #1



TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:		QA/QC		Project #:			QA/QC			
Sample ID:		08-13 TM Q	A/QC	08-14-12						
Laboratory Numbe	r:	62901		Date Sampl	led:		N/A			
Sample Matrix:		Soil		Date Receiv	ved:	N/A				
Analysis Requeste	d:	Total RCRA	Metals	Date Analyz	zed:	08-13-12				
Condition:		N/A		Date Digest	ted:		08-13-12			
				Dilution			10			
Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg	Method) Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range			
Arsenic	ND	ND	0.01	3.25	3.16	2.56%	0% - 30%			
Barium	ND	ND	0.01	58.0	56.3	2.93%	0% - 30%			
Cadmium	ND	ND	0.01	0.21	0.21	0.00%	0% - 30%			
Chromium	ND	ND	0.01	2.27	2.21	2.60%	0% - 30%			
Lead	ND	ND	0.01	3.93	3.84	2.17%	0% - 30%			
Mercury	ND	ND	0.01	0.01	0.01	0.00%	0% - 30%			
Selenium	ND	ND	0.01	0.11	0.10	12.6%	0% - 30%			
Silver	ND	ND	0.01	ND	ND	0.00%	0% - 30%			
Spike Conc. (mg/Kg)	• • •	Spike Aggeg	Sample	Spiked sample	Percent	٠,	Acceptance kange	,		
Arsenic		2.50	3.25	5.57	97.0%		80% - 120%			
Barlum		5.00	58.0	57.1	90.6%		80% - 120%			
Cadmium		2.50	0.21	2.56	94.4%		80% - 120%			
Chromium		5.00	2.27	6.76	93.0%		80% - 120%			
Lead		5.00	3.93	8.14	91.2%		80% - 120%			
Mercury		1.00	0.01	0.96	95.2%		80% - 120%			
Selenium		1.00	0.11	1.08	97.6%		80% - 120%			
Silver		1.00	ND	1.00	99.5%		80% - 120%			

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for Sample 62901

Ph (505) 632-0615 Fx (505) 632-1865

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CHAIN OF CUSTODY RECORD

Client: Welsh Engr			oject Name / Locati						ANALYSIS / PARAMETERS														
Logo's Email results to: 19/11/6/6 An 10 We /shen; Client Phone No.: 505-320-31	net	Sar Clie	ample Name: A						TPH (Method 8015)	TPH (Method 8015) BTEX (Method 8021)	Method 8260)	RCRA 8 Metals	/ Anion		TCLP with H/P	ble 910-1	TPH (418.1)	RIDE				Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No.	./Volume Containers	Pri HgCl ₂	reservat HCI	tive	TPH (A	BTEX	Voc (RCRA	Cation	5	TCLP	8 1a	TPH (CHLORIDE				Sampl	Sampl
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1	Two Copies	nate Distri	ict Offi	ice				State of Ne										rm C-105		
١	District I 1625 N. French Dr.	Hobbs N	JM 88	240	Energy, Minerals and					Natural Resources				1 11/01 1	DI		Re	vised A	ugust 1, 2011	
	District II 811 S. First St., Artesia, NM 88210											1. WELL API NO. 30-043-21119								
District III				Oil Conservation Division							2. Type of Lease									
1000 Rio Brazos Rd., Aztec, NM 87410 District IV				1220 South St. Francis Dr.							STATE FEE FED/INDIAN									
1220 S. St. Francis Dr., Santa Fe, NM 87505											3. State Oil & Gas Lease No. JICARILLA APACHE LEASE #424									
Ī	WELL (COMP	LET	TION O	R RI	ECC	MPL	ETION RE	PO	RT A	NE	LOG		LEASE #424						
Ī	4. Reason for fili	ng:					-							5. Lease Name	or U	nit Agre	ement N	ame: LO	GOS	
l	☐ COMPLETI	ON REI	PORT	Γ(Fill in bo	xes#1	l throu	gh #31	for State and Fee	e well	ls only)				6. Well Numb	er: 1					
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)																				
İ	7. Type of Comp		¬ w	OPKOVED		JEEDE	ENING	□PLUGBAC	, _□	DIEEE	DE	NT DECEDIA	OID	Отигр						
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İ	12.Location	Unit Ltr		Section		Towns	hip	Range	Lot			Feet from th	ıe	N/S Line	Feet	from the	e E/W	Line	County	
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	BH:																			
	13. Date Spudded			.D. Reache	i	6/08/	2012	Released ;			16.	Date Comple	eted	(Ready to Prod	uce)		7. Eleva RT, GR,		and RKB,	
	18. Total Measure	ed Depth	of W	ell		19. P	lug Bac	ck Measured Dep	oth		20.	Was Directi	ona	l Survey Made?		21. Ty	pe Electr	ic and Ot	her Logs Run	
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ŀ	Date of Test	Hour	s Test	ed .	Choke	e Size		Prod'n For Test Period		Oil -	Bbl		Gas	s - MCF Water - Bbl. Gas - Oil Ratio					Dil Ratio	
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ĺ	Press.				Hour								Water - Bbl. Oil Gravity - API - (Corr.)						,	
	29. Disposition of	Gas (So	ld, use	ed for fuel.	vented	d. etc.)						30. Test Witnessed By								
	31. List Attachme	nts						·												
r	32. If a temporary	pit was	used a	at the well,	attach	a plat	with th	e location of the	temp	orary pi	t.	SEE ATTA	CF	IED .						
ŀ	33. If an on-site burial was used at the well, report the exact location of the on-site burial:																			
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Date: 8-24-12

Pit Closure Form:
Date: 8-24-12
Well Name: LOGOS 1
Footages: 1610' FNL, & 1710' FWL Unit Letter: F
Section: 5, T22-N, R5-W, County: SANDOVAL State: NM
Contractor Closing Pit: WSS
Construction Inspector: David Conzeles
Inspector Signature:

Tamra Sessions

From:

David Gonzales

Sent:

Monday, August 6, 2012 1:05 PM

To:

Kurt Sandoval (Kurt.Sandoval@bia.gov); Dixon Sandoval

(dixonsandoval@jicarillaoga.com)

Subject:

Logos Operating, Notices

Attachments:

Logos # 1 Workover Notice.docx; Logos # 1 Pit Closure Notice.docx

Gentleman,

Attached are two work notices for the Logos # 1well. The first notice is for the reserve pit closure and the second notice is for a workover rig. Please let me know if you have any questions.

Thanks,

David Gonzales Vice President of Operations 505-215-8215 dgonzales@logosresourcesllc.com





4001 N. Butler Ave Farmington, NM 87401 Phone: (505) 215-8215

Fax: (303) 974-1767

August 6, 2012

By Email (dixonsandoval@jicarillaoga.com, kurt.sandoval@bia.gov)

Jicarilla Oil &Gas Administration Attn: Dixon Sandoval & Kurt Sandoval #6 Dulce Rock Road Dulce, NM 87528 (575) 759-3485

Re: Logos # 1 Pit Closure Notice

Gentleman,

Logos Operating, LLC proposes to close the reserve pit located at the Logos #1 new drill. Per our conversation, Logos will have the fluids pulled from the pit and disposed of at an appropriate disposal facility prior to closing the pit.

Please let us know if you have any questions or concerns in relation to our proposed gas line removal plan.

Best Regards,

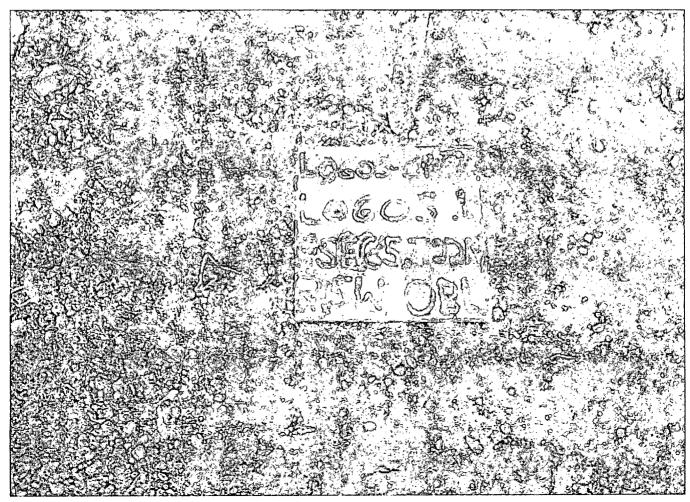
Logos Resources, LLC

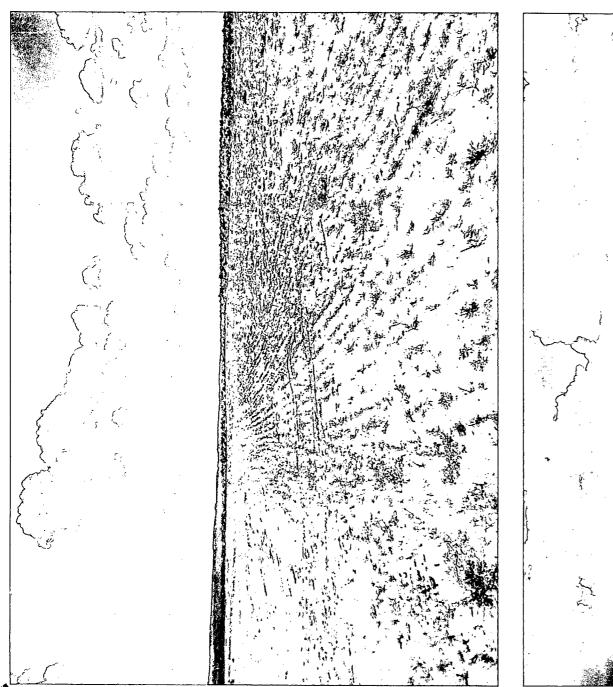
David Gonzales Vice President of Operations



Reclamation Form:
Date: 8-4-13
Well Name: LOGOS 1
Footages: 1610' FNL. 1710' FWL Unit Letter: F
Section: 5, T22-N, R5-W, County: SANDOVAL State: NM
Reclamation Contractor: $\sqrt{55}$
Reclamation Start Date: 8-31-12
Reclamation Complete Date: 1-11-13
Road Completion Date: 7-11-13
Seeding Date: 84-13
PIT MARKER STATUS
(When Required) Picture of Marker set needed
Date Marker Placed: 12-4-13
Latitude: <u>36./6948</u>
Longitude: <u>107.3878</u> /
Date Pit Manifold Removed: <u>N/A</u>
Construction Inspector Signature: Wayne for
Date Inspected: 8-4-13











4001 N. Butler Ave Farmington, NM 87401 Phone: (505) 436-2627

Fax: (505) 832-3095

Date: September 30, 2014

To: NMOCD

Re: Pit Closure Filings for WPX

Dear NMOCD,

Logos Operating, LLC (289408) is filing this pit closure report on behalf of the new operator, WPX Energy Production, LLC (120782), as part of a transition service agreement between Logos and WPX.

Regards,

Jarnie Goodwin

Regulatory Technician