District I 1625 N. French Dr., Hobbs, NM 88240 District III 1301 W. Grand Avenue, 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 July 21, 2008 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, Clo	osed-Loop System, Below-Grade	Fank, or
-	native Method Permit or Closure F	
Type of action: Permit of Closure Modific	of a pit, closed-loop system, below-grade tank, o of a pit, closed-loop system, below-grade tank, ation to an existing permit plan only submitted for an existing permitted or	or proposed alternative method or proposed alternative method
Instructions: Please submit one application	on (Form C-144) per individual pit, closed-loop syste	em, below-grade tank or alternative request
environment. Nor does approval relieve the operator of	relieve the operator of liability should operations result is its responsibility to comply with any other applicable go	n pollution of surface water, ground water or the overnmental authority's rules, regulations or ordinances.
1. Operator: BP AMERICA PRODUCTION CO	MPANY OGRID #:77	78
Address: 200 Energy Court, Farmington, NN		
Facility or well name: BARRETT A 013	· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	OCD Permit Number:	
U/L or Otr/Otr A Section 20.0	OCD Permit Number: Township 31.0N Range 09W	County: San Juan County
Center of Proposed Design: Latitude 36.888376	Longitude -107.798277	NAD: 1927 X 1983
Surface Owner: 🗵 Federal [] State [] Private []		
2.		
Pit: Subsection F or G of 19.15.17.11 NMAC	2	
Temporary: Drilling Workover		RCVD FEB 26 '14
Permanent Emergency Cavitation Pe	&A	OIL CONS. DIV.
Lined Unlined Liner type: Thickness	mil 🔲 LLDPE 🗌 HDPE 🔲 PVC 🔲 Ot	ther DIST. 3
String-Reinforced		
Liner Seams: 🔲 Welded 🗍 Factory 🗋 Other _	Volume:bbl	Dimensions: Lx Wx D
3. Closed-loop System: Subsection H of 19.15.1	7.11 NMAC	
intent)	Il D Workover or Drilling (Applies to activities whi	ich require prior approval of a permit or notice of
Drying Pad Above Ground Steel Tanks		
	mil 🔲 LLDPE 🛄 HDPE 🔲 PVC 🔤] Other
Liner Seams: Welded Factory Other		
4.		
Below-grade tank: Subsection I of 19.15.17.1		
	id: Produced Water	
Tank Construction material: Steel		
Secondary containment with leak detection	Visible sidewalls, liner, 6-inch lift and automatic ov	rerflow shut-off
	lis only X Other SINGLE WALLED DOUBLE BOT	
Liner type: Thicknessmil	HDPE PVC Other	
5.		
Alternative Method:		
Submittal of an exception request is required. Exce	eptions must be submitted to the Santa Fe Environment	ntal Bureau office for consideration of approval.
Eorn C-144	Oil Conservation Division	Page Lof 5

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 4' Hogwire with single barbed wire

Natting	Subsection F of	19151711 NMAC	(Applies to permanent	nits and or	ermanent open top tanks)
welling.	Subsection E of	19.10.17.11 NMAC	(Αμμπσωτο μετιπαπειπ	$\mu n \delta a n \mu \mu c$	

Screen Netting Other

Monthly inspections (If netting or screening is not physically feasible)

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 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 (reparding permitting): 19.15.17.10 NMAC

Sitting Criteria (regarding permitting). 19:15:17:10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accel material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19:15:17:10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	opriate district
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	Ves 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 	Ø 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; Acrial photo; Satellite image 	Yes No 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 	🗋 Yes 본 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.	🖸 Yes 🗵 No

FEMA map

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. <u>Closed-loop Systems Permit Application Attachment Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>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.</i>
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 Operative and March the comparison of the comparison of the closure o
 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:
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
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 E Below-grade Tank Closed-loop System
Alternative Proposed Closure Method: X 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)
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

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^{16.} <u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only</u> : (19.15.17.13.1 Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if I 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 <i>will not</i> be used for future server Ves (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 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	C .				
^{17.} <u>Siting Criteria (regarding on-site closure methods only)</u> : 19.15.17.10 NMAC <i>Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sourd provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate dist considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Just demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.</i>	trict 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 obtained 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 obtained 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 obtained from nearby wells	☐ Yes ☐ No ☐ 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 	Yes 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	🗌 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; 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				
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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 19.15.17.10 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements 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 canned	15.17.11 NMAC				

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

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19. Operator Application Certification:	
I hereby certify that the information submitted with this application is true	e, accurate and complete to the best of my knowledge and belief.
Name (Print): Jeney Peace	Title: Field Environmental Advisor
Signature: Herey N. Vence	
Signature:	Date: 06\14\2010
e-mail address: Peace.Jeffrey@bp.com	Telephone: 505-326-9479
20. 0 CD Approval: Permit Application (including closure plan)	aver Plan (anly) / 0CD Conditions (see attachment)
	Onatter Dia 3/24/2014 -/- /-
OCD Representative Signature:	C T S C A C A C A C A C A C A C A C A C A C
Title: Seniore Hydrologist	OCU Permit Number
21.	
<u>Closure Report (required within 60 days of closure completion)</u> : Sub	psection K of 19.15.17.13 NMAC n prior to implementing any closure activities and submitting the closure report.
The closure report is required to be submitted to the division within 60 a	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 an	,
	Closure Completion Date: 8-2-2013
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.	
23. Closure Benort Benarding Waste Bemoval Closure For Closed-Joon S	Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please indentify the facility or facilities for where the liqu	ids, drilling fluids and drill cuttings were disposed. Use attachment if more than
two facilities were utilized.	
Disposal Facility Name:	
Disposal Facility Name: Were the closed-loop system operations and associated activities performed	Disposal Facility Permit Number:
Set (If yes, please demonstrate compliance to the items below)	
Required for impacted areas which will not be used for future service and	t operations:
Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
24. Closure Deport Attachment Checklist: Jetructions: Each of the follo	owing items must be attached to the closure report. Please indicate, by a check
mark in the box, that the documents are attached.	
 Proof of Closurc 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 cl 	
X 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 <u>36.888376</u>	Longitude -167.798277 NAD: 1927 🛛 1983
25.	
Operator Closure Certification:	closure report is true, accurate and complete to the best of my knowledge and
	requirements and conditions specified in the approved closure plan.
Name (Print): Jeff Peace	Title: Field Environmental Advisa
Signature: She Panee	Title: Field Environmental Advisa Date: February 25, 2014 Telephone: (505) 326-9479
	(mar joy) or i
e-mail address: peace . jeftrey @ bp. com	Telephone: (303) 300-7417

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BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

<u>Barrett A 13</u> <u>API No. 3004526972</u> <u>Unit Letter A, Section 20, T31N, R9W</u>

RCVD FEB 26 '14 OIL CONS. DIV. DIST. 3

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

General Closure Plan

- BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement. No notice was made due to misunderstanding of the notice requirements. Closure notices will be made for all BGT closures from this point forward.
- BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.
 No notice was made due to misunderstanding of the notice requirements. Closure notices will be made for all BGT closures from this point forward.
- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)

- c. Basin Disposal, Permit NM-01-0005 (Liquids)
- d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
- e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)
- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids) All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.
- 4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported to a storage area for sale and re-use.

- BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.
 All equipment associated with the BGT has been removed.
- 6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows;

Constituents	Testing Method	Release Verification	Sample
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	ND
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	ND
ТРН	US EPA Method SW-846 418.1	100	280
Chlorides	US EPA Method 300.0 or 4500B	250 or background	ND

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

> Soil under the BGT was sampled and BTEX and chloride levels were below the stated limits. TPH exceeded the 100 mg/kg limit under Method 418.1, but

was only 17 mg/kg under Method 8015D, which is well below the 100 mg/kg limit. Sampling data is attached.

- 7. BP shall notify the division District III office of its results on form C-141. C-141 is attached.
- If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.
 Sampling results indicate no release occurred.
- 9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover, re-contour and re-vegetate the location. The location will be reclaimed if it is not with in the active process area

The area under the BGT was backfilled with clean soil and has been reclaimed as part of final reclamation since the well has been P&A'd.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The area under the BGT was backfilled with clean soil and has been reclaimed as part of final reclamation since the well has been P&A'd.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area under the BGT was backfilled with clean soil and has been reclaimed as part of final reclamation since the well has been P&A'd.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area under the BGT was backfilled with clean soil and has been reclaimed as part of final reclamation since the well has been P&A'd.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

BP will seed the area later in 2014.

14. Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves revegetation.

BP will notify NMOCD when re-vegetation is successful.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation. Closure report on C-144 form is included.
- 16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

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

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State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

Santa Fe, NM 87505

Release Notification and Corrective Action

		OPERATOR	Initial Report	🖾 Final Report
Name of Company: BP	· · · · · ·	Contact: Jeff Peace		
Address: 200 Energy Court, Farming	gton, NM 87401	Telephone No.: 505-326-9479		
Facility Name: Barrett A 13	·	Facility Type: Natural gas well		
Surface Owner: Federal	Mineral Ow	ner: Federal	API No. 30045269	072

LOCATION OF RELEASE

Unit Letter A	Section 20	Township 31N	Range 9W	Feet from the 930	North/South Line North	Feet from the 1,035	East/West Line East	County: San Juan
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Latitude 36.888376 Longitude 107.798277

NATURE OF RELEASE

Type of Release: none	Volume of Release: N/A	Volume Recovered: N/A	
Source of Release: below grade tank - 95 bbl	Date and Hour of Occurrence:	Date and Hour of Discovery:	
Was Immediate Notice Given?	If YES, To Whom?		
🗌 Yes 🔲 No 🖾 Not Required			
By Whom?	Date and Hour		
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.	
Yes X No		RCVD FEB 26 '14	
If a Watercourse was Impacted, Describe Fully.*		OIL CONS. DIV.	
		· · · · ·	
		DIST. 3	
Describe Cause of Problem and Remedial Action Taken.* Sampling of the BGT. Soil analysis resulted in TPH, BTEX and chloride below standard		ng removal to ensure no soil impacts from	
Describe Area Affected and Cleanup Action Taken.* BGT was removed a	and the area underneath the BGT was	sampled. The excavated area was	
backfilled and compacted and has been reclaimed since the well has been			
	1 00		
		<u> </u>	
I hereby certify that the information given above is true and complete to t			
regulations all operators are required to report and/or file certain release n			
public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remediat			
or the environment. In addition, NMOCD acceptance of a C-141 report d			
federal, state, or local laws and/or regulations.	bes not reneve the operator of respons	soundy for comphance with any outer	
	OIL CONSERV	VATION DIVISION	
Signature: Off Jace			
Signature: 999			
	Approved by Environmental Specialist:		
Printed Name: Jeff Peace			
Title: Field Environmental Advisor	Approval Date:	Expiration Date:	
E mail Address masses inffrest/@hm.som	Conditions of Annroval		
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached	
Date: February 25, 2014 Phone: 505-326-9479			

* Attach Additional Sheets If Necessary

	P.O. BOX 87, B	NGINEERING, IN LOOMFIELD, NM 5) 632-1199		API #: 3004526 TANK ID (if applicble): A	972
FIELD REPORT:	(circle one): BGT CONFIRMATION /	RELEASE INVESTIGATION /	OTHER:	PAGE #:1 o	f 1
SITE INFORMATION QUAD/UNIT: A SEC: 20 TWP: 1/4 -1/4/FOOTAGE: 930'N / 1,035'I	31N RNG: 9W PM:	NM CNTY: SJ		DATE FINISHED:)2/13
	PROD. FORMATION: PC CO	CDOSSEI	PE	ENVIRONMENTAL SPECIALIST(S):	<u>CB</u>
REFERENCE POINT 1) 95 BGT (SW/DB) 2)	GPS COORD.: GPS COORD.: GPS COORD.:	888376 X 107.798277	Z DISTANCE/BE DISTANCE/BE DISTANCE/BE	SARING FROM W.H.: 93', 1 SARING FROM W.H.:	9,298' N61W
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # C	R LAB USED:HA	LL		OVM READING (ppm)
1) SAMPLE ID:	SAMPLE DATE:		LAB ANALYSIS:		1.4
SOIL DESCRIPTION SOIL COLOR: DARK YI COHESION (ALL OTHERS): NON COHESIVE (SLIGHTL CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY (SLIGHTLY MOIST) MOIST / W SAMPLE TYPE: GRAB (COMPOSITE)-4 DISCOLORATION/STAINING OBSERVED	COHESIVE) COHESIVE / HIGHLY COHESIVE COHESIVE) COHESIVE / HIGHLY COHESIVE DOSE / FIRM/ DENSE / VERY DENSE ET / SATURATED / SUPER SATURATED OF PTS5 : YES / NO EXPLANATION	PLASTICITY (CLAYS): NON F DENSITY (COHESIVE	PLASTIC / SLIGHTLY PLASTIC / CLAYS & SILTS): SOF	COHESME / MEDIUM PLASTIC / HIGHLY F T / FIRM / STIFF / VERY STIFF / ANATION -	HARD
ANY AREAS DISPLAYING WETNESS: YES / <u>NO</u> APPARENT EVIDENCE OF A RELEASE O ADDITIONAL COMMENTS: GAS WELL I SOIL IMPACT DIMENSION ESTIMATION:	BSERVED AND/OR OCCURRED : RECENTLY PLUGGED AND ABAN			TIMATION (Cubic Yards) :	 NA
DEPTH TO GROUNDWATER: N	EAREST WATER SOURCE: >1,000			CD TPH CLOSURE STD: 1,00	
SITE SKETCH		PLOT PLAN cir		1 CALIB. GAS = <u>100</u> pr E: <u>8:45</u> (anypm DATE: <u>08</u>	8/02/13
PBGTL T.B. ~ 5' B.G.	$ \begin{pmatrix} x \\ x & x \\ x \end{pmatrix} $			MISCELL. NO vo: N15283456 vo #: vK: ZFEIRK0SJS vJ #: X7-005K2 vermit date(s): 06/14	
X - S.P.D. NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATI				CD Appr. date(s): 05/02	N N
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGL	IN DEPRESSION, B.G BELOW GRADE, B - BI OW-GRADE TANK LOCATION; SPD = SAMPLE F E WALL; DW - DOUBLE WALL; SB - SINGLE BOT	OINT DESIGNATION; R.W. = RETAINING TOM; DB - DOUBLE BOTTOM.	G WALL; NA - NOT	Magnetic declination: 10)° Е
TRAVEL NOTES: CALLOUT:		ONSITE:	/02/13		

Analytical Report
Lab Order 1308132

Date Reported: 8/12/2013

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Blagg Engineering
 Client Sample ID: 95 BGT 5-pt @ 5'

 Project:
 Barrett A 13
 Collection Date: 8/2/2013 9:25:00 AM

 Lab ID:
 1308132-001
 Matrix: SOIL
 Received Date: 8/3/2013 11:00:00 AM

 Analyses
 Result
 BL
 Oual Units
 DE Date Analyzed

Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analys	st: JME
Diesel Range Organics (DRO)	17	9.9	mg/Kg	1	8/6/2013 10:59:34 AM	[.] 8722
Surr: DNOP	111	63-147	%REC	1	8/6/2013 10:59:34 AM	8722
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	st: DAM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/6/2013 2:41:39 PM	8724
Surr: BFB	91.0	80-120	%REC	1	8/6/2013 2:41:39 PM	8724
EPA METHOD 8021B: VOLATILES					Analys	st: DAM
Benzene	ND	0.047	mg/Kg	1	8/6/2013 2:41:39 PM	8724
Toluene	ND	0.047	mg/Kg	1	8/6/2013 2:41:39 PM	8724
Ethylbenzene	ND	0.047	mg/Kg	1	8/6/2013 2:41:39 PM	8724
Xylenes, Total	ND	0.093	mg/Kg	1	8/6/2013 2:41:39 PM	8724
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	8/6/2013 2:41:39 PM	8724
EPA METHOD 300.0: ANIONS					Analys	st: JRR
Chloride	ND	1.5	mg/Kg	1	8/5/2013 3:15:52 PM	8731
EPA METHOD 418.1: TPH					Analys	st: LRW
Petroleum Hydrocarbons, TR	280	20	mg/Kg	1	8/6/2013	8740

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range.	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 6
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	ŔĹ	Reporting Detection Limit

C	hain-	of-Cu	istody Record	Turn-Around	Time:			1995 1					-		/ T F	20					
Client:	BLAG	G ENGI	NEERWE INC.	Standard	🗆 Rust	1 ·													INT ATC		
	RPA	A A TE DE LA	A	Project Name		······	<u>9</u>		5 g*										410)R	¥
Mailing	Address	DO I	30×87	BARR	ETT A	13		40						rironi				7400			
				Project #:			{		01 H												
			NM 87413	-					el. 50		5-39						-410			المراجع و	្រីឡី
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email o				Project Mana	-		3	only	H.			_		SO₄	s's						
Stan	Package: Idard		Level 4 (Full Validation)	J.	BLAGO		<u>∓ 1MB</u> ¹ s (8021')	(Gas	£7 02			SIMS)		PO4,	PCB's						
Accredi	itation			Sampier:	I-BLAGE			ГРН	JD DF	,	(270 S		NO ₂ ,	8082						Î
			r			No Sector	H	+	NC NC	418	504	or 82	<u>s</u>	1 О.3,) se		(YO				р Г
) (Type) _	<u> </u>	<u></u>	Samplestem	derature.		Ä	TBE	<u>е</u>	ğ	por	10	leta	CI,N	icide	(YC	ni-<	(L)			N S
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	CHEAL NOT	BTEX + MUBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / 14170)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE			Air Bubbles (Y or N)
3/13	0925	SOL	95 BGT 5-2205	402-21	COOL	- 001	X			Ż	<u> </u>		<u> </u>	4	8	8	-	×			1
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Date: Time: Reinquished by: Rece			Received by:		Date Time				۲	AY)	KEY		Źŀ	E]]	2Ka	95	JS				
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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.

 Client:
 Blagg Engineering

 Project:
 Barrett A 13

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Sample ID MB-8731	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 8731	RunNo: 12430		
Prep Date: 8/5/2013 ·	Analysis Date: 8/5/2013	SeqNo: 353758	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-8731	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-8731 Client ID: LCSS	SampType: LCS Batch ID: 8731	TestCode: EPA Method RunNo: 12430	300.0: Anions	<u></u>
	,		300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 8731 Analysis Date: 8/5/2013	RunNo: 12430		RPDLimit Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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WO#: 1308132

12-Aug-13

WO#: 1308132

12-Aug-13

Client: Project:	Blagg Engineering Barrett A 13									
Sample ID MB-874	0 SampT	ype: ME	== BLK	Tes	tCode: El	PA Method	418.1: TPH			
Client ID: PBS	Batch	n ID: 87	40	F	RunNo: 1	2439				
Prep Date: 8/6/20	13 Analysis E	ate: 8/	6/2013	S	SeqNo: 3	54090	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons	TR ND	20								
Sample ID LCS-87	40 SampT	ype: LC	S	Tes	tCode: El	PA Method	418.1: TPH			••
Client ID: LCSS	Batcl	n ID: 87	40	F	RunNo: 1	2439				
Prep Date: 8/6/20	13 Analysis D)ate: 8/	6/2013	S	eqNo: 3	54091	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons	TR 100	20	100.0	0	103	80	120			
Sample ID LCSD-8	5740 Samp1	ype: LC	SD	Tes	tCode: El	PA Method	418.1: TPH		<u> </u>	
Client ID: LCSS0	2 Batcl	n ID: 87	40	F	RunNo: 1	2439				
Prep Date: 8/6/20	13 Analysis [)ate: 8 /	6/2013	S	SeqNo: 3	54092	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons	, TR 100	20	100.0	0	101	80	120	2.67	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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Blagg Engineering **Client:**

Project: Barrett A 13

Sample ID MB-8722	SampT	ype: ME	BLK	Tes	PA Method	d 8015D: Diesel Range Organics				
Client ID: PBS	Batch	ND: 87	22	F	RunNo: 1	2400				
Prep Date: 8/5/2013	Analysis D	ate: 8 /	5/2013	5	53060	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10							<u></u>	
Surr: DNOP	9.9		10.00		99.2	63	147			
Sample ID LCS-8722	SampT	ype: LC	:S	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Sample ID LCS-8722 Client ID: LCSS		ype: LC			tCode: El RunNo: 1:		8015D: Dies	el Range (Drganics	
,		n ID: 87 .	22	F		2400	8015D: Dies Units: mg/H	-	Drganics	
Client ID: LCSS	Batch	n ID: 87 .	22 5/2013	F	RunNo: 1	2400		-	Drganics RPDLimit	Qual
Client ID: LCSS Prep Date: 8/5/2013	Batch Analysis D	n ID: 87 : 9ate: 8/	22 5/2013	F	RunNo: 1) SeqNo: 3	2400 53065	Units: mg/H	(g	-	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit RL

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1308132 12-Aug-13

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WO#:

Client: Blagg Engineering

Project: Barrett A 13

Sample ID MB-8724	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch	n ID: 87	24	F	RunNo: 1	2441					
Prep Date: 8/5/2013	Analysis D	ate: 8/	6/2013	S	eqNo: 3	54525	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	ND 860	5.0	1000		86.3	80	120				
	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range										
Sample ID LCS-8724	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e		
-	•	ype: LC			tCode: El RunNo: 1		8015D: Gaso	line Rang	e		
Client ID: LCSS	•	n ID: 87	24	F		2441	8015D: Gasc Units: mg/K		e		
Client ID: LCSS Prep Date: 8/5/2013	Batch	n ID: 87	24 6/2013	F	RunNo: 1	2441			e RPDLimit	Qual	
Sample ID LCS-8724 Client ID: LCSS Prep Date: 8/5/2013 Analyte Gasoline Range Organics (GRO)	Batch Analysis D	n ID: 87 9ate: 8 /	24 6/2013	F S	RunNo: 1: SeqNo: 3	2441 54526	Units: mg/k	(g		Qual	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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1308132 *12-Aug-13*

WO#:

Client: Blagg Engineering

Project: Barrett A 13

Sample ID MB-8724	Samp	Гуре: МЕ	BLK	Tes	PA Method	8021B: Volat	tiles					
Client ID: PBS	Batc	h ID: 872	24	F	RunNo: 1	2441						
Prep Date: 8/5/2013	Analysis [Date: 8/	6/2013	S	SeqNo: 3	54556	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										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.98	•	1.000		97.6	80	120					
Sample ID LCS-8724	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles	-			
Client ID: LCSS	Batch ID: 8724 RunNo: 12441											
	Butto		24	F	CULINO: 1	2441						
Prep Date: 8/5/2013	Analysis [GeqNo: 3		Units: mg/K	g				
Prep Date: 8/5/2013 Analyte			6/2013				Units: mg/K HighLimit	'g %RPD	RPDLimit	Qual		
	Analysis [Date: 8/	6/2013	S	SeqNo: 3	54557	Ũ	•	RPDLimit	Qual		
Analyte	Analysis [Result	Date: 8/ PQL	6/2013 SPK value	SPK Ref Val	eqNo: 3	54557 LowLimit	HighLimit	•	RPDLimit	Qual		
Analyte Benzene	Analysis [Result 1.1	Date: 8/ PQL 0.050	6/2013 SPK value 1.000	SPK Ref Val	eqNo: 3 %REC 106	54557 LowLimit 80	HighLimit 120	•	RPDLimit	Qual		
Analyte Benzene Toluene	Analysis I Result 1.1 1.0	Date: 8/ PQL 0.050 0.050	6/2013 SPK value 1.000 1.000	SPK Ref Val 0 0	SeqNo: 3 %REC 106 103	54557 LowLimit 80 80	HighLimit 120 120	•	RPDLimit	Qual		

Qualifiers:

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- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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WO#: 1308132

12-Aug-13

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albuq TEL: 505-345-3975 I Website: www.hall	4901 Hawki querque, NM o 7AX: 505-345	ns NE 87109 Samp -4107	le Log-In Cl	neck List
Client Name: BLAGG	Work Order Number:	1308132		RcptNo:	1
Received by/date: AT Logged By: Ashley Gallegos	D8 03 2013 B/3/2013 11:00:00 AM))	A		
	8/5/2013 9:10:38 AM		AZ		
Reviewed By: KMS 8/5/13			N		
Chain of Custody					
1. Custody seals intact on sample bottles?		Yes	No	Not Present ✔	
2. Is Chain of Custody complete?		Yes 🗸	No	Not Present	
3. How was the sample delivered?		Courier			
Log In					
 Was an attempt made to cool the samples? 		Yes 🗸	No	NA	,
5. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗸	No	NA	
6. Sample(s) in proper container(s)?		Yes 🗸	No		
7 Sufficient sample volume for indicated test(s)?	Yes 🖌	No		
8. Are samples (except VOA and ONG) proper	ly preserved?	Yes 🗸	No		
9. Was preservative added to bottles?		Yes	No 🖌	NA	<u>.</u>
- 10.VOA vials have zero headspace?		Yes	No	No VOA Vials ✔	
11. Were any sample containers received broke	n?	Yes	No 🖍	# of preserved	
10 -			N.	bottles checked	
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗶	No	for pH: (<2 c	r >12 unless noted)
13 Are matrices correctly identified on Chain of	Custody?	Yes 🔽	No	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🖌	No		
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No	Checked by:	
Special Handling (if applicable)					
16 Was client notified of all discrepancies with t	his order?	Yes	No	NA 🗸	
				NA V	
Person Notified: By Whom: Regarding:	Date: J Via:	∮eMail	Phone Fax	In Person	
Client Instructions:			en en en en en el (de el Contra de La Contra de La Contra de Contra de Contra de Contra de Contra de Contra de	C THE RECEIPTION OF THE CASE O	
17. Additional remarks:					
18. Cooler Information					
Cooler No Temp °C Condition Set 1 2.3 Good Yes		Seal Date	Signed By		
Page 1 of 1					



