<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 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.

Revised June 6, 2013

Form C-144

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

Santa Fe, NM 87505

Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, 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: BP America Production Company OGRID #: 778 OIL CONS. DIV DIST.
Address: 200 Energy Court Farmington NM 87401
Facility or well name: MUDGE COM B 001
API Number: 3004523957 OCD Permit Number:
U/L or Qtr/Qtr A Section 11 Township 31N Range 11W County: San Juan
Center of Proposed Design: Latitude 36.917294 Longitude -107.954844 NAD: ☐1927 ☒ 1983
Surface Owner:
2. □ Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Multi-Well Fluid Management □ Low Chloride Drilling Fluid □ yes □ no □ Lined □ Unlined □ Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced
Liner Seams:
3. Below-grade tank: Subsection I of 19.15.17.11 NMAC TANK A
Volume: 21 bbl Type of fluid: Produced water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other <u>Single wall/ Double bottom; visible sidewalls</u>
Liner type: Thicknessmil
4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

 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	
6. 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)	
7.	
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	
8.	
Variances 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:	
 □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. □ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 	
9. 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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	Yes No
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	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. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) 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. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes No
 application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
Visual hispection (certification) of the proposed site, Nertal photo, Saletine image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any 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 spring or a private, domestic fresh water well used by less than five households for domestic or stock	
watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
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 1000 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
Visual hispection (certification) of the proposed site, Aeriai photo, Saterite image	
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.	
initial application NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ 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
10. Townson Pite Emangency Pite and Polovy grade Tonks Pormit Application Attachment Charliety. Subsection P. of 10.15.17.0 N	MAC
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc	
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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	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.	15 17 9 NMAC
and 19.15.17.13 NMAC	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
Multi-Well Fluid Management Pit 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 doc attached.	uments are
☐ 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 ☐ A List of wells with approved application for permit to drill associated with the pit.	
A List of wells with approved application for permit to drill associated with the pit. 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	
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

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.	
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 Multi-well F	luid Management Pit
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	iuid ivianagement i it
14. 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 C 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 H of 19.15.17.13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 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
Ground water is between 25-50 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 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
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, 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
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; 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 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
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure particle by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17 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 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 cannown 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 H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bel Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
e-mail address: DCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 30 Title: OCD Permit Number:	8/9017
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 3	the closure report.
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 3 Title: OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	the closure report.

22.	
Operator Closure Certification:	
	d with this closure report is true, accurate and complete to the best of my knowledge and ble closure requirements and conditions specified in the approved closure plan.
Name (Print): Steve Moskal	Title: Field Environmental Coordinator
Signature: Mus Muc	Date:March 14, 2017
e-mail address: steven moskal@bn.com	Telephone: (505) 326-9497

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Mudge Com B 001 <u>API No. 3004523957</u> Unit Letter A, Section 11, T31N, R11W

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.
 Notice is attached.
- 2. 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.

 Notice was provided and is attached.
- 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 for recycling.

5. 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
	21 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.020
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.082
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<u><51</u>
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<30

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 for TPH, BTEX and chloride with all concentrations below the stated limits. The field report and laboratory reports are attached.

7. BP shall notify the division District III office of its results on form C-141. **C-141 is attached.**

- 8. 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 a release has not occurred. Attached is a laboratory report and C-141.
- 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

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report. The location will be reclaimed when the well is plugged and abandoned.

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 has been backfilled. The location will be reclaimed when the well is plugged and abandoned.

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 location will be reclaimed when the well is plugged and abandoned.

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 location will be reclaimed when the well is plugged and abandoned.

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.

The location will be reclaimed when the well is plugged and abandoned.

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.

The location will be reclaimed when the well is plugged and abandoned.

- 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 including photos of reclamation completion.
- 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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ease Notific	catio	on and Co	orrective A	ction					
						OPERA	ГOR		_ Initia	al Report	\boxtimes	Final Repor	
Name of Co	ompany: B	P				Contact: Sto	eve Moskal						
Address: 20	00 Energy	Court, Farmi	ngton, N	M 87401		Telephone No.: 505-326-9497							
Facility Na	me: Mudge	Com B 001				Facility Type: Natural gas well							
Surface Ow	ner: Feder	al		Mineral ()wner:	er: Federal API No. 3004523957							
				LOC	ATIO	N OF RE	LEASE						
Unit Letter A	Section 11	Township 31N	Range 11W	Feet from the 1,090		h/South Line	Feet from the 1,110	East/We	est Line	County: S	an Juan	1	
			Lat	itude 36.917	7294°	Longitu	de -107.954	4844°					
			2					1011					
Type of Pale	nsa: none			NAI	UKE	Volume of	Release: unknow	.m	Volume E	Recovered: 1	NT/A		
	Type of Release: none Source of Release: below grade tank – 21 bbl						Hour of Occurrence			Hour of Dis		· none	
Source of Release, below grade tank – 21 bol						none	iour or occurrent		Dute und	riour or Dic	covery.	, none	
Was Immedi	ate Notice (Yes 🗵	No Not R	eauired	If YES, To	Whom?						
By Whom?					- 1	Date and H	Iour						
Was a Water	course Reac	ched?				If YES, Volume Impacting the Watercourse.							
			Yes 🛛	No									
If a Watercon	urse was Im	pacted, Descri	ibe Fully.*	•									
							the BGT was do		removal.	Soil analys	is resul	ted for	
Describe Are	a Affected a	and Cleanup A	Action Tak	en.* No action no	ecessar	y. Final labora	tory analysis dete	ermined no	remedia	l action is re	equired		
regulations a public health should their or or the environ	Il operators or the envir operations had nment. In a	are required to conment. The ave failed to a	acceptant acceptant adequately CD accep	nd/or file certain ree of a C-141 reporting and records.	elease of ort by the emedia	notifications as he NMOCD m te contaminati	knowledge and u nd perform correct arked as "Final R on that pose a three the operator of	ctive action deport" does reat to ground responsibi	ns for rele es not reli and water lity for co	eases which eve the ope s, surface wa ompliance v	may en rator of ater, hur vith any	ndanger Fliability man health	
Signature:	May 11	new					OIL CON	<u>SERVA</u>	TION	DIVISIO	<u>)N</u>		
Printed Name	e: Steve Mo	skal				Approved by	Environmental S	pecialist:					
Title: Field E	invironment	al Coordinato	r			Approval Dat	e:	Ex	piration I	ration Date:			
E-mail Addre	ess: steven.n	noskal@bp.co	m			Conditions of	Approval:			Attached			
Date: March	14, 2017		Phone: 5	05-326-9497									

^{*} Attach Additional Sheets If Necessary

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

January 13, 2017

Bureau of Land Management Whitney Thomas 6251 College Suite A Farmington, NM 87402

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank

Well Name: MUDGE COM B 001

API#: 3004523957

Dear Mrs. Thomas,

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about January 16, 2017. If there aren't any unforeseen problems, the work should be completed within 10 working days.

As a point of clarification, BP will be closing the below grade tank and either operating without one or replacing it with an above ground tank, the well site will continue to operate.

If witnessing of the tank removal is required please contact me for a specific time (505)-326-9497.

Sincerely,

Steven Moskal

BP America Production Company

Moskal, Steven

From:

Moskal, Steven

Sent:

Wednesday, February 22, 2017 9:05 AM

To:

Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us);

l1thomas@blm.gov

Cc:

jeffcblagg@aol.com; blagg_njv@yahoo.com; Powell, Ross L (MBF SERVICES); Buckley, Farrah

(CH2M HILL); Colvin, Toya

Subject:

RE: BP Pit Close Notification - MUDGE COM B 001

BP America Production Company

200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

SENT VIA E-MAIL TO: CORY.SMITH@STATE.NM.US; VANESSA.FIELDS@STATE.NM.US

February 22, 2017

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

RE: Notice of Proposed Below-Grade Tank (BGT) Closure

MUDGE COM B 001 API 30-045-23957 (A) Section 11 – T31N – R11W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close the 21BBL BGT that will no longer be operational at this well site. We anticipate this work to start on Saturday, February 25, 2017. This work was previously scheduled for January 16, 2016, but weather delayed the schedule.

Should you have any questions, please feel free to contact BP at our Farmington office.

Sincerely,

Steven Moskal BP Field Environmental Coordinator (505) 326-9497

Steve Moskal

BP Lower 48 – San Juan – Farmington Field Environmental Coordinator Office: (505) 326-9497

Cell: (505) 330-9179



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BP				API#: 3004523	957
CLIENT:			3/413	TANK ID (if applicble):	
FIELD REPORT:	(circle one): BGT CONFIRMATION	RELEASE INVESTIGATION / OTHE	ER:	PAGE #: 1 of	_1_
				DATE STARTED: 01/1	6/17
				DATE FINISHED:	
1/4-1/4/FOOTAGE: 1,090'N / 1,1		STDIKE		ENVIRONMENTAL	D. /
LEASE #: SF078040	PROD. FORMATION: DK C	ONTRACTOR: MBF - C. PAF	RKS	SPECIALIST(S):	JV
REFERENCE POINT	: WELL HEAD (W.H.) GPS	36.91702 X			
1) 21 BGT (SW/DB) - A	GPS COORD.: 36.5	917294 X 107.954844	DISTANCE/BEAR	RING FROM W.H.: 99', N22	2.5W
2)	GPS COORD,:		DISTANCE/BEAR	RING FROM W.H.:	
*					
	T		DISTANCE/BEAR	RING FROM W.H.:	OVM
SAMPLING DATA:					READING (ppm)
					0.0
2) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB	ANALYSIS:		
		SILT (SILTY CLAY) CLAY / GRAVEL / C	OTHER		
					Y PLASTIC
MOISTURE: DRY/SLIGHTLYMOIST/MOIST/W	ET / SATURATED / SUPER SATURATED	THE OBOTTO LEGITLE LA			
		ANY AREAS DISPLAYING WETNESS:	YES NO EXPLAN	ATION -	
		VEO END EVEL MATION			
EQUIPMENT SET OVER RECLAIMED AREA:	YES NO EXPLANATION - 105 BB	SHALLOW LOW PROFILE ABO	OVE-GRADE TAN	IK TO BE SET ATOP BGT L	OCATION.
OTHER: NMOCD OR BLM REPS. NOT PR	RESENT TO WITNESS CONFIRMA	TION SAMPLING.			
SOIL IMPACT DIMENSION ESTIMATION:	NA ft. X NA	ft. X NA ft. E	XCAVATION EST	IMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: <100'	EAREST WATER SOURCE: >1,000	NEAREST SURFACE WATER:<	1,000' NMOCE	TPH CLOSURE STD: 100	ppm ppm
SITE SKETCH	BGT Located: off on sit	PLOT PLAN circle:	attached 0VM (CALIB. READ. = 100 ppm	RF =0.52
			♦ own o	CALIB. GAS = 100 ppm	
	BERM WOODEN		TIME:	2:35 am(pm) DATE: 01/	16/17
FE	R.W.			MISCELL. NOT	ES
	(21)		W	O:	
	PBGT	L	RE	F. #: P - 763	
			VII	D: VHIXONEVB2	
	P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 ELD REPORT: (circle one): BGTCONFIRMATION] RELEASE INVESTIGATION / OTHER: PAGE # 1 of 1 DILINE A SEC: 11 TWP, 31N RNG: 11W PM. NM CATY: SJ ST NM DILINE A SEC: 11 TWP, 31N RNG: 11W PM. NM CATY: SJ ST NM DILINE A SEC: 11 TWP, 31N RNG: 11W PM. NM CATY: SJ ST NM DILINE A SEC: 11 TWP, 31N RNG: 11W PM. NM CATY: SJ ST NM DILINE A SEC: 11 TWP, 31N RNG: 11W PM. NM CATY: SJ ST NM DILINE A SEC: 11 TWP, 31N RNG: 11W PM. NM CATY: SJ ST NM DILINE FIRSHED. ENARCHMENTAL ENA				
	SEPARATOR			0.410.0	1000
				OVM = Organic Vapor Mete	
	то \				
		v			
NOTES: BGT = BELOW-GRADE TANK: F.D. = FXCAVATIO	N DEPRESSION: R.G. = RELOWGRADE: R = RE				
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELO	OW-GRADE TANK LOCATION; SPD = SAMPLE P	OINT DESIGNATION; R.W. = RETAINING WALL	NIL NOT	agnetic declination: 10°	È.
NOTES: GOOGLE EARTH IMAGE		ONSITE: 01/16/17			

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB@6' (21)-A

Project: MUDGE COM B 1

Collection Date: 1/16/2017 2:10:00 PM

Lab ID: 1701637-001

Matrix: MEOH (SOIL) Received Date: 1/17/2017 7:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	ND	30	mg/Kg	20	1/17/2017 1:04:59 PM	29731
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	1/17/2017 10:48:32 AM	F40068
Surr: BFB	87.9	70-130	%Rec	1	1/17/2017 10:48:32 AM	F40068
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/17/2017 10:35:38 AM	29725
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	1/17/2017 10:35:38 AM	29725
Surr: DNOP	97.9	70-130	%Rec	1	1/17/2017 10:35:38 AM	29725
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF
Benzene	ND	0.020	mg/Kg	1	1/17/2017 10:48:32 AM	C40068
Toluene	ND	0.041	mg/Kg	1	1/17/2017 10:48:32 AM	C40068
Ethylbenzene	ND	0.041	mg/Kg	1	1/17/2017 10:48:32 AM	C40068
Xylenes, Total	ND	0.082	mg/Kg	1	1/17/2017 10:48:32 AM	C40068
Surr: 1,2-Dichloroethane-d4	95.0	70-130	%Rec	1	1/17/2017 10:48:32 AM	C40068
Surr: 4-Bromofluorobenzene	96.6	70-130	%Rec	1	1/17/2017 10:48:32 AM	C40068
Surr: Dibromofluoromethane	104	70-130	%Rec	1	1/17/2017 10:48:32 AM	C40068
Surr: Toluene-d8	96.8	70-130	%Rec	1	1/17/2017 10:48:32 AM	C40068

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6 J
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1701637

19-Jan-17

Client:

Blagg Engineering

Project:

MUDGE COM B 1

Sample ID MB-29731

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 29731

RunNo: 40098

%RPD

Prep Date: 1/17/2017

Client ID:

Analysis Date: 1/17/2017

SeqNo: 1256752

Units: mg/Kg HighLimit

RPDLimit

Analyte Chloride

Result

PQL 1.5

SPK value SPK Ref Val %REC LowLimit

Qual

ND

TestCode: EPA Method 300.0: Anions

LCSS

SampType: LCS Batch ID: 29731

RunNo: 40098

Prep Date: 1/17/2017

Analysis Date: 1/17/2017

SeqNo: 1256753

Units: mg/Kg

%RPD

Page 3 of 6

Analyte

SPK value SPK Ref Val

%REC 95.8

Sample ID LCS-29731

RPDLimit Qual

Chloride

1.5

HighLimit 110

14

15.00

90

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

Value above quantitation range

Reporting Detection Limit

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1701637

19-Jan-17

Client: Project: Blagg Engineering MUDGE COM B 1

Sample ID LCS-29725

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS

Batch ID: 29725

RunNo: 40064

Prep Date: 1/17/2017

Analysis Date: 1/17/2017 PQL

SPK value

50.00

5.000

10.00

47.35

4.735

48.22

4.822

SPK value SPK Ref Val

SPK value SPK Ref Val

2.054

2.054

SeqNo: 1255612

Units: mg/Kg HighLimit

Analyte Diesel Range Organics (DRO)

46 10 4.5

Result

SPK Ref Val %REC LowLimit 91.7 89.6

116

130

%RPD **RPDLimit** Qual

Surr: DNOP

Sample ID MB-29725

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Prep Date:

1/17/2017

Batch ID: 29725

RunNo: 40064

Units: mg/Kg

HighLimit

Analyte Diesel Range Organics (DRO)

Analysis Date: 1/17/2017 Result PQL

ND

ND

9.1

SPK value SPK Ref Val %REC

SeqNo: 1255613 LowLimit

130

%RPD **RPDLimit**

Qual

Qual

0

Motor Oil Range Organics (MRO) Surr: DNOP

10

50

TestCode: EPA Method 8015M/D: Diesel Range Organics

70

63.8

70

Sample ID 1701637-001AMS Client ID:

5PC-TB@6' (21)-A

Batch ID: 29725 Analysis Date: 1/17/2017

SampType: MS

RunNo: 40064

91.4

LowLimit

LowLimit

51.6

70

51.6

70

HighLimit

130

130

Analyte

Result PQL 47

SeqNo: 1255786

Units: mg/Kg

%RPD **RPDLimit** Qual

Diesel Range Organics (DRO) Surr: DNOP

Prep Date: 1/17/2017

3.8

SampType: MSD

TestCode: EPA Method 8015M/D: Diesel Range Organics

%REC

94.0

79.9

Prep Date: 1/17/2017

5PC-TB@6' (21)-A

Sample ID 1701637-001AMSD

Batch ID: 29725

9.6

9.5

RunNo: 40064

89.3

110

Analyte Diesel Range Organics (DRO)

Surr: DNOP

Client ID:

Analysis Date: 1/17/2017 Result PQL

45

5.3

SeqNo: 1255787 %REC

Units: mg/Kg

HighLimit %RPD **RPDLimit** 3.09 130 130 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 4 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1701637

19-Jan-17

Client:

Blagg Engineering

Project:

MUDGE COM B 1

Sample ID rb Client ID: PBS	SampType: MBLK				TestCode: EPA Method 8260B: Volatiles Short List RunNo: 40068				List	
Prep Date:	Batch ID: C40068 Analysis Date: 1/17/2017			SeqNo: 1256516			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.3	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.7	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.2	70	130			
Surr: Toluene-d8	0.48		0.5000		96.3	70	130			

Sample ID 100ng Ics	SampT	ype: LC	s	Tes	TestCode: EPA Method 8260B: Volatiles Short List					
Client ID: LCSS	Batch	ID: C4	0068	F	RunNo: 40068					
Prep Date:	Analysis D	Analysis Date: 1/17/2017			SeqNo: 1256517 Units: mg/K					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	70	130			
Toluene	0.98	0.050	1.000	0	97.9	70	130			
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		86.4	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.9	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.2	70	130			
Surr: Toluene-d8	0.48		0.5000		96.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 5 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1701637 19-Jan-17

Client: Project: **Blagg Engineering**

MUDGE COM B 1

Sample ID rb

SampType: MBLK

TestCode: EPA Method 8015D Mod: Gasoline Range

70

62.9

52.3

Client ID:

Batch ID: F40068

5.0

RunNo: 40068

Prep Date:

Analysis Date: 1/17/2017

SeqNo: 1256590

Analyte

Result PQL

Units: mg/Kg

Qual

Gasoline Range Organics (GRO)

ND

SPK value SPK Ref Val

%REC LowLimit HighLimit

%RPD **RPDLimit**

Surr: BFB

410

500.0

25.00

500.0

83.0

130

Sample ID 2.5ug gro Ics

SampType: LCS

TestCode: EPA Method 8015D Mod: Gasoline Range

%RPD

%RPD

Client ID:

LCSS

Batch ID: F40068

RunNo: 40068

Prep Date:

Analysis Date: 1/17/2017

26

450

SeqNo: 1256591

103

89.6

Units: mg/Kg

Analyte

Result PQL

SPK value SPK Ref Val 0

%REC LowLimit HighLimit

123

RPDLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

Sample ID 1701637-001ams g

TestCode: EPA Method 8015D Mod: Gasoline Range

70 130

Client ID:

5PC-TB@6' (21)-A

5PC-TB@6' (21)-A

SampType: MS

Batch ID: F40068

5.0

RunNo: 40068

Prep Date:

Analysis Date: 1/17/2017

Batch ID: F40068

PQL

4.1

SeqNo: 1256592

Units: mg/Kg

Result POI SPK value SPK Ref Val 21 4.1

%REC LowLimit

HighLimit

RPDLimit Qual

Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

370

20.43

408.5

103 90.9

132 70 130

Sample ID 1701637-001amsd g SampType: MSD

TestCode: EPA Method 8015D Mod: Gasoline Range

RunNo: 40068

HighLimit

Client ID: Prep Date:

Analysis Date: 1/17/2017

SeqNo: 1256593

0

Units: mg/Kg

%RPD **RPDLimit** 20

0

Analyte Gasoline Range Organics (GRO) Surr: BFB

20 370

Result

20.43 408.5

SPK value SPK Ref Val

%REC 95.8 91.7

52 3 70

LowLimit

132 130 7.71

0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RI. Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 6 of 6



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

Sample Log-In Check List

Client Name: BLAGG	Work Order Number:	1701	337			RcptN	o: 1
Received by/date:	01/17/17						
Logged By: Lindsay Mangin	1/17/2017 7:05:00 AM			Streety	Hayo		
Completed By: Lindsay Mangin	1/17/2017 7:26:23 AM			Stouby	Hayo		
Reviewed By: 01 01 17 17					V		
Chain of Custody							
1. Custody seals intact on sample bottles?		Yes		No	[]	Not Present	•
2. Is Chain of Custody complete?		Yes	~	No		Not Present	, Alexander
3. How was the sample delivered?	Cour	ier					
<u>Log In</u>							
4. Was an attempt made to cool the samples	3?	Yes	V	No		NA	.7
5. Were all samples received at a temperatu	re of >0° C to 6.0°C	Yes	V	No		NA 🗆	
6. Sample(s) in proper container(s)?		Yes	V	No			
7. Sufficient sample volume for indicated test	(s)?	Yes	V	No			
8. Are samples (except VOA and ONG) propo	erly preserved?	Yes	Y	No			
9. Was preservative added to bottles?		Yes		No	V	NA []
10.VOA vials have zero headspace?	,	Yes		No		No VOA Vials	
11. Were any sample containers received broken	ken?	Yes		No	V	# of preserved	
40 -						bottles checked	
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No		for pH:	2 or >12 unless noted)
13. Are matrices correctly identified on Chain of	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	Y	No		Checked by	
,							
Special Handling (if applicable)							
16. Was client notified of all discrepancies with	this order?	Yes		No		NA 🗸	ŀ
Person Notified:	Date:				TANKET .		
By Whom:	Via:	eMa	il 🗍 F	Phone [Fax	In Person	
Regarding:	e har de seu en				ACMARIA MOMO		
Client Instructions:							
17. Additional remarks:				* N F 2004 November 141 November 2 Annua			
18. Cooler Information Cooler No Temp °C Condition S 1 1.4 Good Ye		Seal Da	te	Signed E	Ву		

Ch	nain-c	of-Cus	stody Record	Turn-Around	lime:	SAME				Н	A	LL	E	NV	TF	20	NI	ИE	NT	ΓΑΙ	L	
ient: BLAGG ENGR. / BP AMERICA			☐ Standard	☑ Rush _	DAY)	_											R					
				Project Name		The same of the sa						w.ha										
lailing Address: P.O. BOX 87 BLOOMFIELD, NM 87413		MUDGE COM B #1				49	01 H									3710	9					
		Project #:						5-34				-			-410							
none #: (505) 632-1199		1 I				11					-	ysis		100								
mail or Fax#:		Project Manager:										4				1)						
A/QC Package: Standard		NELSON VELEZ			WB ⁵ (8021B)	s only)	/ MRO)			(5)		PO4,50	PCB's			ter - 300.1)			e e			
ccreditat	ion:			Sampler:	NELSON VI	LEZ 97V	3F (8	TPH (Gas	DRO	1	1)	OSIN		102,	8082			300.0 / water			sample	
NELAP		□ Other			/3/Yes		#	TPH	-	418.1)	504	827	S	103,	-		(AC	300.0			te sa	or N)
EDD (T	ype)	T :	T	Sample Temp	érature / L		#	BE +	(GRO	hod	poq) or	etal	CI,N	Pesticides	(A)	ni-V(ble	posi	s (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX +-MF	BTEX + MTBE	TPH 8015B	TPH (Method	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pest	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil -		Grab sample	5 pt. composite	Air Bubbles (Y
116/17	1410	SOIL	5PC-TB@ 6'(21)-A	4 oz 1	Cool	-001	٧		٧									٧			٧	
116/17	1400	SOIL	EPC TR @ 5 1(05) B	100-1	Cool	-002	4		¥									V			¥	-
																			\Box			
													_									
									_													
													-						\Box			
ate;	Time:	Relinquish	ed by:	Received by:)	Date Time	Rem	narks	:	BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID												
1/16/17	1524	Relinquishe	Muly	Musta	poeler	1/14/17 1521	& REFERENCE # WHEN APPLICABLE; CONTACT: STEVE MOSKAL / VANCE HIXON															
16/1	Time:	MA	eta Lalta	Received by: Date Time			VID: VHIXONEVB2 Reference # P - 763															
	If necessary	, samples sub	mitted to Hall Environmental may be su	bcontracted to other	accredited laboratorie	s. This serves as notice of	of this	possib	ility.	Any su	b-con	tracte	d data	a will b	e clea	arly no	tated	on the	analyf	ical re	port.	_



