District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	For ten multi-w appropr For per Environ to the ap
13098	Proposed Al	Pit, Below-Grade Tank, or Iternative Method Permit or Closure F	Plan Aj
Type of	faction: Bel	ow grade tank registration	

- -

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	
13098 Proposed Alternative Method Permit or Closure Plan Applica	tion
Type of action: Below grade tank registration Permit of a pit or proposed alternative method	OIL CONS. DIV DIST. 3
$\frac{2}{5} - \frac{2}{192}$ \boxtimes Closure of a pit, below-grade tank, or proposed alternative method \square Modification to an existing permit/or registration	SEP 0 3 2015
Closure plan only submitted for an existing permitted or non-permitted proposed alternative method	it, below-grade tank,
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alter	rnative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority of the second se	
Operator: BP America Production Company OGRID #: 778	
Address: 200 Energy Court, Farmington, NM 87401	and the second sec
Facility or well name: W. D. Heath A 3A	
API Number: 3004524192 OCD Permit Number:	the second s
U/L or Qtr/Qtr <u>C</u> Section <u>17</u> Township <u>29N</u> Range <u>9W</u> County: <u>San Juan</u>	
Center of Proposed Design: Latitude 36.72939 Longitude -108.80591 NAL	D: 1927 🛛 1983
Surface Owner: S Federal State Private Tribal Trust or Indian Allotment	
2. <u>Pit:</u> Subsection F, G or J of 19.15.17.11 NMAC K BGT Closed Prior to Closur Temporary: Drilling Workover For This Tank	ce Plan Approval
Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drillin	g Fluid 🗌 yes 🗌 no
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other	and the second
String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L	x Wx D
3. Below-grade tank: Subsection I of 19.15.17.11 NMAC Tank #1	
Volume: 95.0 bbl Type of fluid: Produced water	
Tank Construction material:	
Secondary containment with leak detection 🗌 Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
□ Visible sidewalls and liner □ Visible sidewalls only ☑ Other <u>Single walled/single bottomed; side walls</u>	not visible
Liner type: Thickness mil	
4.	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office f	for consideration of approval.

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

.*

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)

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

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.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	□ Yes □ No □ NA
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 □ NA
 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.)	Yes No

Within 300 feet from a occupied 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 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	i i sata
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
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. 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. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dot attached.</i> 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 19.15.17.10 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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	cuments are
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	With all
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dot attached. 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. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 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:	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

2

Oil Conservation Division

	A State of the second sec
12. 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 attached.	
Alternative Proposed Closure Method: Waste Excavation and Removal	
Waste Removal (Closed-loop systems only)	
On-site Closure Method (Only for temporary pits and closed-loop systems)	
In-place Burial In-place Burial Alternative Closure Method	
14.	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a 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. P 19.15.17.10 NMAC for guidance.	ce material are llease refer to
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 □ NA
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 NA
 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 wall field severed under a municipal ardinance	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	67
Form C-144 Oil Conservation Division Page 4 or	0

· ·

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 Within a 100-year floodplain.	Yes No
- FEMA map	Yes No
 16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure play 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 canned 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 	11 NMAC 15.17.11 NMAC
 17. 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 believed and b	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Image: Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Image: Closure Plan Image: Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Image: Closure Plan Image: Closure Plan Image: Approval Date: 10/5/ Title: Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Title: Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Title: Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan OCD Representative Signature: Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Title: Image: Closure Plan Title: Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan Image: Closure Plan	Ba5
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. Closure Completion Date: 12/10/2008	
20. Closure Method: ☑ Waste Excavation and Removal □ On-Site Closure Method □ Alternative Closure Method □ Waste Removal (Closed-loo □ If different from approved plan, please explain.	op systems only)
21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please intermark in the box, that the documents are attached. □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure for private land only) □ Plot Plan (for on-site closures and temporary pits) □ Confirmation Sampling Analytical Results (if applicable) □ Waste Material Sampling Analytical Results (required for on-site closure) □ Disposal Facility Name and Permit Number ⊠ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique □ Site Reclamation (Photo Documentation) On-site Closure Location: Latitude 36.72939 Longitude -108.80591	

Oil Conservation Division

Operator Closure Certification:

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

Name (Print):

.*

:	Steve	Moskal
	1.	11

Title: Field Environmental Coordinator

Signature:

.*

22.

to M

Date: September 1, 2015

e-mail address: steven.moskal@bp.com

Telephone: (505) 326-9497

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

W. D. Heath A 3A API No. 3004524192 Unit Letter C, Section 17, T29N, R9W

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 BGT notice requirements at that time.
- 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.

No notice was made due to misunderstanding of the BGT notice requirements at that time.

- 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)

- 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.

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 95 bbl BGT	Release Verification (mg/Kg)	Sample 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
TPH	US EPA Method SW-846 418.1	100	69.9
Chlorides	US EPA Method 300.0 or 4500B	250 or background	40.0

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 laboratory analysis of TPH, BTEX and chloride with results below the stated limits.

- 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.
 Laboratory results indicate no significant release has 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 of the BGT was removed and the area beneath was backfilled with clean soil. The well has been plugged and abandoned and the area has been reclaimed and released by the NMOCD.

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 of the BGT was removed and the area beneath was backfilled with clean soil. The well has been plugged and abandoned and the area has been reclaimed and released by the NMOCD.

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 of the BGT was removed and the area beneath was backfilled with clean soil. The well has been plugged and abandoned and the area has been reclaimed and released by the NMOCD.

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 of the BGT was removed and the area beneath was backfilled with clean soil. The well has been plugged and abandoned and the area has been reclaimed and released by the NMOCD.

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 area of the BGT was removed and the area beneath was backfilled with clean soil. The well has been plugged and abandoned and the area has been reclaimed and released by the NMOCD.

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 area of the BGT was removed and the area beneath was backfilled with clean soil. The well has been plugged and abandoned and the area has been reclaimed and released by the NMOCD.

- 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 8750

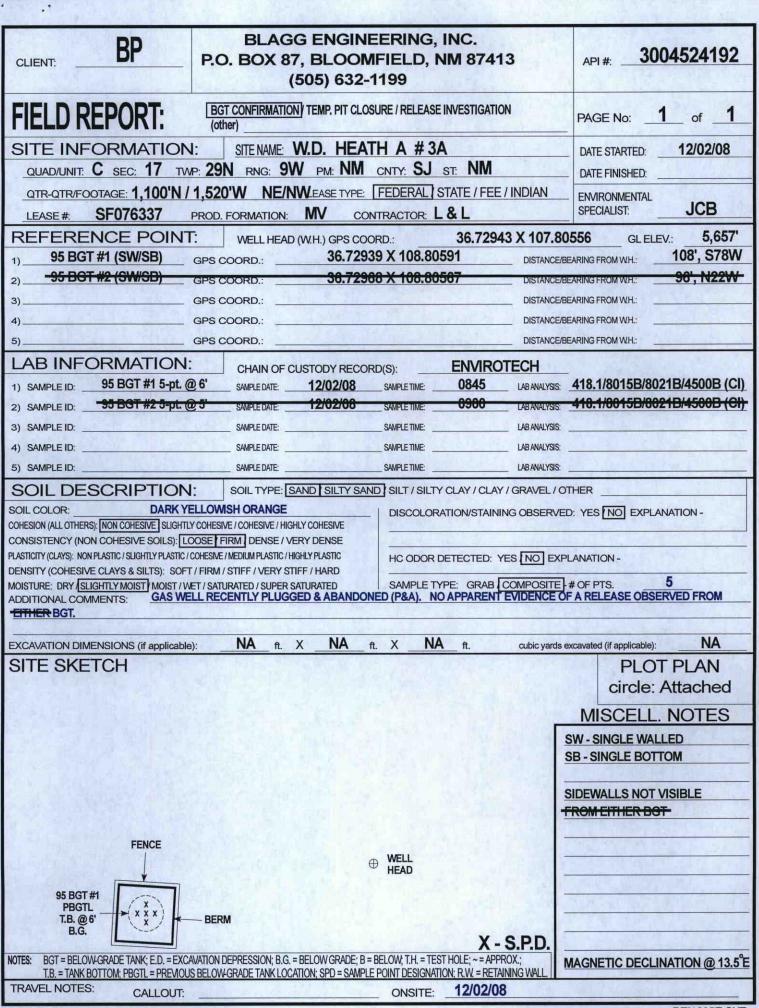
. . .

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.

220 S. St. Fran	icis Dr., Sant	nta Fe, NM 87505		Si	anta Fe	e, NM 875	505			
			Rel	ease Notifie				Action		
	R. C.					OPERAT	The second s		Initi	al Report 🛛 Final Report
Name of Co			and the	C. C. M. S. C. L.		Contact: Ste	A CALCELO MANAGERIA PORTANIA	(And a second		
Address: 20	00 Energy	Court, Farmi		IM 87401			No.: 505-326-94			
Facility Nar	me: W. D.	. Heath A 3A		142101-040	J	Facility Typ	pe: Natural gas v	well		
Surface Ow	ner: Fede	ral		Mineral O	Owner: I	Federal		I	API No	o. 3004524192
				LOC	ATION	N OF REI	LEASE		66	
Unit Letter C	Section 17	Township 29N	Range 9W	Feet from the 1,100'	AND A PERSON AND A POINT	/South Line	Feet from the 1,520	East/West West	t Line	County: San Juan
		Lati	itude_3	6.72939		_Longitude	e <u>-108.80591</u>			
	1000	181028	238	A CONTRACTOR OF A	FURE	OF RELI	And a second	March S		South States
		r produced wate	er/conden	sate			f Release: unknow	12.00	The second se	Recovered: unknown
Source of Re							Hour of Occurrence	ce: N/A D	Date and	d Hour of Discovery: N/A
Was Immedia	ate Notice (Yes [No 🛛 Not R	lequired	If YES, To	Whom?			
By Whom?		N. C. S. M.	United		1. S	Date and H	CONTRACTOR OF THE OWNER OF	Railer	1.33	
Was a Water	course Read] Yes 🛛	No No		If YES, Vo	olume Impacting	the Watercor	ourse.	
		npacted, Descr								
		lem and Reme		on Taken. Tank 1), soil was :	sampled	with no impa	acts noted.			
		l and Cleanup A		And the second second						
During remov	oval of a belo	low grade tank,	c, soil was						atory res	sults indicate no significant
regulations al public health should their of or the environ	Il operators or the environment operations honment. In a	s are required to ironment. The have failed to a	to report and e acceptance adequately OCD accept	nd/or file certain r ce of a C-141 repo y investigate and r	release no ort by the remediate	otifications ar e NMOCD ma e contamination	and perform correct narked as "Final R ion that pose a thr we the operator of a	ective actions Report" does reat to ground responsibilit	s for rele s not relie nd water, ity for co	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other
Signature: 🦼	Ato	Mu)			a	OIL CON	SERVAT	ΓΙΟΝ	DIVISION
Printed Name	e: Steve Me	oskal			I	Approved by	Environmental S	pecialist:		
Title: Field E	Invironmen	ntal Coordinato	or		1	Approval Dat	te:	Exp	oiration I	Date:
E-mail Addre	ess: steven.	.moskal@bp.cc	om		(Conditions of	f Approval:			Attached
Date: Septen				ne: 505-326-9497		ACCX	All and a second	1.39		
Attach Attach	nonai one.	eets If Necess	ary							





EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

5.0

Parameter	Concer (mg/k	and have been be	Det. Limit (mg/kg)
	midde		
Condition:	Intact	Analysis Needed:	TPH-418.1
Preservative:	Cool	Date Analyzed:	12-05-08
Sample Matrix:	Soil	Date Extracted:	12-05-08
Chain of Custody No:	5850	Date Received:	12-03-08
Laboratory Number:	48373	Date Sampled:	12-02-08
Sample ID:	95 BGT #1 5-pt @ 6'	Date Reported:	12-10-08
Client:	Blagg/BP	Project #:	94034-0010

Total Petroleum Hydrocarbons

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

69.9

Comments:

W.D. Heath A #3A.

1=+28-Analyst

mister of Waters



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Diesel Range (C10 - C28)		ND	0,1
Gasoline Range (C5	- C10)	ND	0.2
Parameter		Concentration (mg/Kg)	Det. Limit (mg/Kg
Condition:	Intact	Analysis Requested:	8015 TPH
Preservative:	Cool	Date Analyzed:	12-09-08
Sample Matrix:	Soil	Date Extracted:	12-08-08
Chain of Custody No:	5850	Date Received:	12-03-08
Laboratory Number:	48373	Date Sampled:	12-02-08
Sample ID:	95 BGT #1 5-pt @ 6'	Date Reported:	12-10-08
Client:	Blagg/BP	Project #	94034-0010

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: W.D. Heath A #3A

Analyst

1=+08. Review

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT #1 5-pt @ 6'	Date Reported:	12-10-08
Laboratory Number:	48373	Date Sampled:	12-02-08
Chain of Custody:	5850	Date Received:	12-03-08
Sample Matrix:	Soil	Date Analyzed:	12-09-08
Preservative:	Cool	Date Extracted:	12-08-08
Condition:	Intact	Analysis Requested:	BTEX

Concentration (ug/Kg)	Det. Limit (ug/Kg)	
ND	0.9	
ND	1.0	
ND	1.0	
ND	1.2	
ND	0.9	
ND		
	(ug/Kg) ND ND ND ND ND ND	Concentration (ug/Kg)Limit (ug/Kg)ND0.9ND1.0ND1.0ND1.0ND1.2ND0.9

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

W.D. Heath A #3A

Analyst

U- fo Barry Review



Chloride

	and the second	the second second second second second	and the second sec
Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT #1 5-pt @ 6'	Date Reported:	12-10-08
Lab ID#:	48373	Date Sampled:	12-02-08
Sample Matrix:	Soil	Date Received:	12-03-08
Preservative:	Cool	Date Analyzed:	12-09-08
Condition:	Intact	Chain of Custody:	5850
Parameter		Concentration (mg	/Kg)
Total Chloride		40.0	

Reference:

Comments:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

W.D. Heath A #3A.

Unit 2 Kanny Analyst

Review Review

CHAIN OF CUSTODY RECORD

					Project Name / Location: W.D. MEATH A # 3 A								ANAL	YSIS	/ PAF	RAME	TERS					
Client Address:			Sampler Name: J. Bu		•	And		1949	3015)	8021)	8260)	0	100									5
Cilent Phone No.:			Client No.: 94034 - 010			-		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	THE REAL	TCLP with H/P		TPH (418.1)	RIDE			e Cool	Sample Intact	
Sample No./ Identification	Sample Date	Time	Lab No.	from and the	Sample Matrix	No./Volume of Containers	Pres HgCl,	HCI	NHAT	BTEX	VOC (I	RCRA	Cation	RCI	TCLP	PAH	TPH (CHLORIDE			Sample Cool	Sampl
95 BGT #1 5-p= e6"	12/2/08	0845	48373	Solid	Sludge Aqueous	1-402			×	×							×	×			x	×
				Soil Solid	Sludge Aqueous																-	
AT BUT #2	10	0900	48374	Solid	Sludge Aqueous	1-402			*	*							~	-			X	×
		1 1		Soil Solid	Sludge Aqueous	S			124			G	14									
				Soil Solid	Sludge Aqueous				- All	21								1024	1			
				Soil Solid	Sludge Aqueous	1.S.																
				Soil Solid	Sludge Aqueous	1.5											1					
				Soli Solid	Sludge Aqueous	of the					1.55											
				Solid Solid	Sludge Aqueous	Real P	0								1							
				Soil Solid	Sludge Aqueous																	
Relinquished by: (Sig	nature) Slyg				Date 12/3/58	Time (305		Receive	ed by:	(Sign	ature	5								Da 12-3		me
Relinquished by: (Sig	nature)							Receive	d by:	(Sign	ature)	5		14		18					
Relinquished by: (Sig	nature)					245	F	Receive	ed by:	(Sign	ature)										
			5796 U		ENV	IRO Farming	ΓE	Cl	-	IN	C.		-632	-061	5							A STATE AND

ACCENT Printing • Form 28-0807

5850



EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

1. See 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		80.00T				
Client:		QA/QC		Project #:		N/A
Sample ID:		QA/QC		Date Reported	1:	12-09-08
Laboratory Number	ir:	12-05-TPH.QA/	QC 48392	Date Sampled		N/A
Sample Matrix:		Freon-113		Date Analyzed	1:	12-05-08
Preservative:		N/A		Date Extracted	1:	12-05-08
Condition:		N/A		Analysis Need	ed:	ТРН
Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	12-03-08	12-05-08	1,590	1,520	4.4%	+/- 10%
Blank Conc. (n	na/Ka)	the second and	Concentration		Detection Lim	it
ТРН			ND		31.8	
Duplicate Cond	:. (mg/Kg)		Sample	Duplicate	% Difference	Accept. Range
ТРН			83.9	89.0	6.1%	+/- 30%
Spike Conc. (m	ig/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
	STORE PETER	83.9	2,000	1.970	94.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 48367, 48369 - 48374 and 48392.

VintoBa Analyst

Review Review

envirotech Analytical Laboratory

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	12-09-08 QA/	ac	Date Reported:		12-10-08
Laboratory Number:	48361		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		12-09-08
Condition:	N/A		Analysis Reques	ted:	TPH
	-Cal Date	I-Cal RF	C-Cal RF:	% Difference	Accept Rar
Gasoline Range C5 - C10	05-07-07	1.0005E+003	1.0009E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0029E+003	1.0033E+003	0.04%	0 - 15%
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Limit	
Gasoline Range C5 - C10	The super-	ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range	
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	100
Spike Conc, (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Rar
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.2%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 48361, 48362, and 48371 - 48376.

Analyst

しまりあ an Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Sample (D: 1 aboratory Number. 4 Sample Matrix: S Preservative: N	I/A 2-09-BT QA/QC 8361 ioil I/A I/A		Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis:	N/A 12-11 N/A N/A 12-0 BTE	9-08
Calibration and Detection Limits (ug/L)	HOal RF:	C-Cal RF: Accept Rang	%Diff. 19 0 - 15%	Blank Conc	Detect.
Benzene	1.5115E+D06	1.5146E+006	0.2%	ND	0.1
oluene	1.4586E+006	1.4615E+006	0.2%	ND	0.1
Ethylbenzene	1.3301E+006	1.3327E+006	0.2%	ND	0.1
o,m-Xylene	3.2504E+006	3.2569E+006	0.2%	ND	0.1
)-Xylene	1.3937E+006	1.3965E+006	0.2%	ND	0.1
Suplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff,	Accept Range	Detect. Limit
Benzene	4.7	4.5	4.3%	0 - 30%	0.9
oluene	13.1	13.5	3.1%	0 - 30%	1.0
thylbenzene	6.1	6.0	1.6%	0 - 30%	1.0
,m-Xylene	48.8	48.7	0.2%	0 - 30%	1.2
-Xylene	8.6	8.6	0.0%	0 - 30%	0.9
pike Conc. (ug/Kg) Senzene	Sample 4.7	Amount Spiked 50.0	Spiked Sample 52.7	% Recovery 4	39 - 150
oluene	13.1	50.0	61.8	97.9%	46 - 148
thylbenzene	6.1	50.0	54.1	96.4%	82 - 160
,m-Xylene	48.8	100	144	96.5%	46 - 148
-Xylene	8.6	50.0	61.0	104%	46 - 148
D - Parameter not detected at the stated d	etection limit.				
eferences Method 5030B, Purge- December 1996.				USEPA,	1
Method 8021B, Aroma Photoionization and/or		Contraction of the second s		er 1996.	-ingles
comments: QA/QC for Samp	les 48361, 4836	3 - 48366, 48371	- 48374, and 44	10R.	
nalyst		R	eview	1200000	1

20

WD Heath A # 3A

.-

