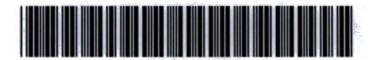


AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pCS1636531568

144B - 15724
ENTERPRISE PRODUCTS OPERATING, LLC

Form C-144 Revised June 6, 2013

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

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

For temporary pits, 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.

Proposed Alternative Method Permit or Closure Plan Ap 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-perm or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank lease be advised that approval of this request does not relieve the operator of liability should operations result in pollution on the proposed approval relieve the operator of its responsibility to comply with any other applicable governmental it. Operator: Enterprise Products Operating, LLC Address: P.O. Box 4324, Houston, TX 77210 Facility or well name: Turley Compressor Station Out of Service BGT Tank #3 API Number: OCD Permit Number: U/L or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Surface Owner: Federal State Private Tribal Trust or Indian Allotment	nitted pit, below-grade tank, s or alternative request of surface water, ground water or the authority's rules, regulations or ordinance
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank lease be advised that approval of this request does not relieve the operator of liability should operations result in pollution of avironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental it. Operator: Enterprise Products Operating, LLC OGRID #: Address: P.O. Box 4324, Houston, TX 77210 Facility or well name: Turley Compressor Station Out of Service BGT Tank #3 API Number: OCD Permit Number: U/L or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Section of Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	of surface water, ground water or the authority's rules, regulations or ordinance
lease be advised that approval of this request does not relieve the operator of liability should operations result in pollution of nvironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental it. Operator: Enterprise Products Operating, LLC Address: P.O. Box 4324, Houston, TX 77210 Facility or well name: Turley Compressor Station Out of Service BGT Tank #3 API Number: OCD Permit Number: ULC or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Section of Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	of surface water, ground water or the authority's rules, regulations or ordinance
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Address: P.O. Box 4324, Houston, TX 77210 Facility or well name: Turley Compressor Station Out of Service BGT Tank #3 API Number: OCD Permit Number: U/L or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Section of Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	William Controls and Controls
Facility or well name: Turley Compressor Station Out of Service BGT Tank #3 API Number: OCD Permit Number: U/L or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Section of Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
API Number:OCD Permit Number:U/L or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Section of Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	SEP 0 1 2016
U/L or Qtr/Qtr NW1/4/SW1/4 Section 33 Township 30N Range 09W County: Section 6 Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
Center of Proposed Design: Latitude 36.76801° Longitude -107.79057° Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	A. 5 V NO. 122.2
	NAD: ∐1927 ⊠ 1983
2.	
☐ <u>Pit</u> : 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	e Drilling Fluid 🔲 yes 🔲 no
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other	
☐ String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimension	ons: Lx Wx D
3. Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:	The state of the s
Liner type: Thicknessmil	
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau	

institution or church)

Alternate. Please specify

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,

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other Enclosed	
☐ 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	
s. 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 acceptate and 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 ☐ 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
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)	25 . (87
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 application.	Yes No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	300
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
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
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 docattached. 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 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. and 19.15.17.13 NMAC	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. 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:	

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.	documents are
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC	
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
☐ Climatological Factors Assessment ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC	
Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC	
Quality Control/Quality Assurance Construction and Installation Plan	
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan	
Emergency Response Plan	
Oil Field Waste Stream Characterization	
☐ Monitoring and Inspection Plan ☐ Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13.	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F	luid Management Pit
Alternative	
Proposed Closure Method: Waste Excavation and Removal	
☐ Waste Removal (Closed-loop systems only) ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)	
In-place Burial On-site Trench Burial	
Alternative Closure Method	
14. Weste Everystian and Democral Classes Plan Cheel-lists (19.15.17.12 NMAC) Instructions: Each of the following items must be	attached to the
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached.	attachea to the
☑ 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	rce material are
provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F	lease refer to
19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste.	☐ Yes ☐ No
 NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ NA
Ground water is between 25-50 feet below the bottom of the buried waste	Yes No
 NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ 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).	Yes No
- Topographic map; Visual inspection (certification) of the proposed site	
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.	Yes No
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	
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	1,17

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 plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of 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 19.15.17.13 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 cannot 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 5.17.11 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 believe	ef.
Name (Print). Ivan W. Zirbes Vice President-EHS&T	
Name (Print): Title: Vice President-Ensail	
Signature: Date: 08-26-2016	
Signature: Date:	
e-mail address: snolan@eprod.com Telephone: 713-381-6595	
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)	1 11 11 11 11 11 11 11 11 11 11 11 11 1
OCD Representative Signature: Approval Date: 12	30/16
/ / / / /	7
Title: KNV1 son mental Spec OCD Permit Number: 15724	villa-
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. complete this
Closure Completion Date:	-
20. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loc 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 ind mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only)	licate, by a check
☐ 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)	
☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site closure) ☐ Disposal Facility Name and Permit Number	
 ☐ 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 	
☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site closure) ☐ Disposal Facility Name and Permit Number	

Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure repobelief. I also certify that the closure complies with all applicable closure requirement	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:



August 2016

SMA #5124213

Mr. Tom Long
Enterprise Products
Field Environmental-San Juan Basin
614 Reilly Avenue
Farmington, NM 87401

BGT REGISTRATION PACKET FOR TURLEY COMPRESSOR STATION OUT OF SERVICE BGT TANK #3 LATITUDE 36.76801°, LONGITUDE -107.79057°

Dear Mr. Long:

Souder, Miller and Associates (SMA) has compiled the following BGT Registration Packet including Form C-144 in Accordance with the NMOCD Pit Rules per 19.15.17 NMAC. The tank is located at latitude 36.76801°, longitude -107.79057° within the fenced area of the Turley Compressor Station. Tank information is presented in Table 1.

	Table 1: Tank In	formation		
Name	Turley Comp	pressor Station Out	of Service BGT Tank	k #3
	Latitude/Longitude		Section, Township, Range	
Location	36.76801°	-107.79057°	NW ¼/SW ¼ Unit L Section 33	T30N R9W
Date of Site Visit	5-Nov-15			
County	San Juan			
Land Owner	BLM			
Tank Capacity	5040 Gallons (on EPCO SPCC Tank List)			
Tank Dimensions	Unknown			
Tank Serial Number (If Available)	Unknown			
Tank Contents	N/A-Out of Service			
Tank Construction Notes	Steel double wall tank with level detection and riser pipe in annular space for monthly monitoring			
Tank Operation Notes	Tank is inspected monthly			

Siting Criteria (19.15.17.10 NMAC)

The below-ground tank (BGT) is located at the Turley Compressor Station at an elevation of 5770 feet above mean sea level (amsl). The BGT meets all siting criteria listed in 19.15.17.10 NMAC with the exceptions for which variances are requested.

Depth to groundwater at the site is 50 feet below ground surface (bgs). This data is primarily supported by local topography and proximity to adjacent water features. This data is also supported by the pit closure documentation for the Elliott Gas Com S #001 well, API # 3004508895. The elevation at the Elliott Gas Com S #001 well is recorded at 5683 amsl, and groundwater is estimated to be between 50 and 99 feet bgs. The BGT base is assumed to be 11 feet bgs. Because the BGT base is thus estimated to be 39 feet above the ground water level, a variance is not being requested for this siting criteria.

Figure 1 shows the vicinity of the BGT location and the location of the nearby Elliott Gas Com S #001 well. The base layer of Figure 1 is the ESRI provided Imagery Topo Map³ and includes USGS Blue Lines⁴. An aerial imagery map of the site is provided as Figure 2 which shows the vicinity of the BGT with 500' and 1000' buffers. Figure 3 demonstrates the BGT is not located within 100 feet of any continuous flowing watercourse, any other significant watercourse, sinkhole, lakebed, wetlands or playa lake as measured from the ordinary high water mark⁵, or within 200 feet of a spring or freshwater well used for public or livestock consumption, as indicated by the aerial photo⁶ and iWaters map layers², or within 300 horizontal feet of any permanent residences, schools, hospitals, institutions or churches.

The BGT subject to the attached application for registration under 19.15.17 NMAC is located within the Turley Compressor Station boundaries and was in existence prior to the promulgation of 19.15.17 NMAC. A review of the best available data and a visual inspection of the siting criteria of 19.15.17 NMAC specific to the BGT in question demonstrate that the BGT does not appear to pose a threat to fresh water, public health or the environment.

Local Geology and Hydrology

The Turley Compressor Station is located on a bench about 200 feet higher in elevation and about 1.25 miles north of the San Juan River, between Blanco, and Largo, New Mexico. The Compressor Station is located on an eroded surface of sandstone, shales and conglomerates belonging to the Paleocene Nacimiento Formation⁷. The location is about 12 miles west of Navajo Lake. The mesas surrounding Navajo Lake are composed mostly of medium-grained mixed clastic rocks belonging to the Eocene San Jose Formation⁸. The San Jose formation extends about halfway between the lake and the BGT location.

Groundwater is estimated to be about 50 feet bgs (5721 feet amsl) at this site, based on the following documentation:



- Using the New Mexico Oil and Gas Association (NMOGA) differential method for "surface drainage influenced groundwater", depth to groundwater is estimated at 50 feet bgs². An unnamed tributary to the San Juan River is approximately 50 feet lower than the BGT at an elevation of 5720 feet amsl³ and located 1,404 feet west of the BGT. Groundwater is conservatively assumed to be at the base of the wash.
- Depth to groundwater in a closure report of the Elliot Gas Com S #001 well, API # 3004508895 declares depth to groundwater to be between 50 and 99 feet bgs. This well is located about 1700 feet south of the BGT, between the BGT and the San Juan River.

Regional Geology and Hydrology

The San Juan Basin is located in the Navajo section of the Colorado Plateau and is characterized by broad open valleys, mesas, buttes and hogbacks. Away from major valleys and canyons, topographic relief is generally low. Native vegetation is sparse and shrubby consisting primarily of desert scrub (sage and chamisa) in the lower elevations and juniper and piñon in the higher elevations. Drainage of the San Juan Basin is by the San Juan River and its associated tributaries, including the La Plata and the Animas Rivers. The San Juan River is a tributary of the Colorado River. The climate is arid to semi-arid with an average annual precipitation of 8 to 10 inches. Soils within the basin consist of physically weathered parent rock. Aeolian depositional systems are responsible for a majority of the material transport in the San Juan Basin, fluvial systems are also present though less predominant¹⁰.

The primary aquifers in the San Juan Basin are contained in Cretaceous and Tertiary sandstones, as well as Quaternary Alluvial Deposits¹⁰. The Nacimiento Formation of Paleocene age occurs at the surface in a broad belt at the western and southern edges of the central San Juan Basin and dips beneath the San Jose Formation in the center. The lower part of the Nacimiento Formation is composed of interbedded black carbonaceous mudstones and white coarse grained sandstones. The upper part is comprised of mudstones and sandstones. Shales and conglomerates are often interbedded within the mudstones and sandstones, but they are not the primary rock type. The Nacimiento Formation is generally slope forming, even in the sandstone units. Thickness of the Nacimiento ranges from 418 to 2232 feet¹¹. Aquifers within the coarser and continuous sandstone bodies of the Nacimiento Formation are between 0 and 1000 feet deep in this section of the basin. Wells within these bodies flow from 16 to 100 gallons per minute (gpm) and transmissivities are expected to be 100 ft²/d. Groundwater within these units flows towards the San Juan River¹⁰.



If there are any questions regarding this report, please contact myself or Reid Allan at 505-325-7535.

Sincerely,

Souder, Miller & Associates

Jesse E Sprague Staff Scientist

Reid S. Allan Principal Scientist

Ellan.

FIGURES:

Figure 1 - Vicinity Map

Figure 2 - Site Map with 500' and 1000' buffers

Figure 3 - Site Map with 100', 200' and 300' buffers

ATTACHMENTS:

Form C-144
Variance Request
Tank Diagrams
Operation and Maintenance Plan

Depth to Groundwater Documentation



References

¹Personal Communication from Tom Long at Enterprise Products, San Juan Operating

²Office of the State Engineer (OSE) Water Administrative Technical Engineering Resource System (WATERS), September 4, 2015. "Water Wells – 2015 – OSE", released September, 2015. http://gstore.unm.edu/apps/rgis/datasets/6925a8e3-6f8d-4334-a15e-bf95a11fdaaa/OSE Wells May 2015.original.zip

³ESRI ArcGIS Online, "USGSImageryTopo", August, 2013. The USGS Imagery Topo base map service from The National Map is a combination of imagery and contours, along with vector layers, such as geographic names, governmental unit boundaries, hydrography, structures, and transportation, to provide a composite base map that resembles the US Topo product. Vector data sources are the National Atlas for small scales, and The National Map for medium to large scales. Imagery data sources are Blue Marble: Next Generation at small scales and NAIP at large scales, with Global Land Survey (Landsat) imagery for medium scales that lack NAIP coverage. Coordinate System: Web Mercator Auxiliary Sphere (WKID 102100) https://www.arcgis.com/home/item.html?id=c641cc5c41d44faba509959748098471

⁴New Mexico Oil and Gas Association Training Manual for 19.15.17 NMAC (Pit Rule) "NMOGA & NMOCD Pit Rules Training.pdf" State of New Mexico, October 17, 2014.

⁵National Wetlands Inventory, September 2002. "San Juan Wetland/Riparian Project", R02Y02P01 San Juan, NMRGIS geodatabase. http://rgis.unm.edu/gstore/datasets/757361ef-2000-4f2a-aff8-15fa0a8bd5db/nwi san juan 02.original.zip

⁶Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. November 2015 "World Imagery", Coordinate System: Web Mercator Auxiliary Sphere (WKID 102100) http://server.arcgisonline.com/arcgis/services/World_Imagery/MapServer

⁷Green, Gregory N., Jones, Glen E., 2009. "Digital Geologic Map of New Mexico – Formations" http://gstore.unm.edu/apps/rgis/datasets/51349b33-92eb-4ab8-9217-81c82b5c3afa/nmmapdd83shp.original.zip

⁸USGS Mineral Resources On-Line Spatial Data, Green, G.N., and Jones, G.E., 1997, The Digital Geologic Map of New Mexico in ARC/INFO Format: U.S. Geological Survey Open-File Report 97-0052, 9p.

http://pubs.er.usgs.gov/publication/ofr9752 http://mrdata.usgs.gov/geology/state/state.php?state=NM

Source: "Turley Compressor Station and Wash Elevations" 36.76801° N, -107.79057° W. Google Earth. May 2, 2013. November 28, 2015. Elevation Datum: NAVD27.

10 Stone, et.al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico, Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6.

¹¹Kelley, et. Al., 2014, Hydrologic Assessment of Oil and Gas Resource Development of the Mancos Shale in the San Juan Basin, New Mexico. Open-File Report 566, New Mexico Bureau of Mines and Mineral Resources.



Turley Compressor Station, Out of Service Tank #3 Variance Request

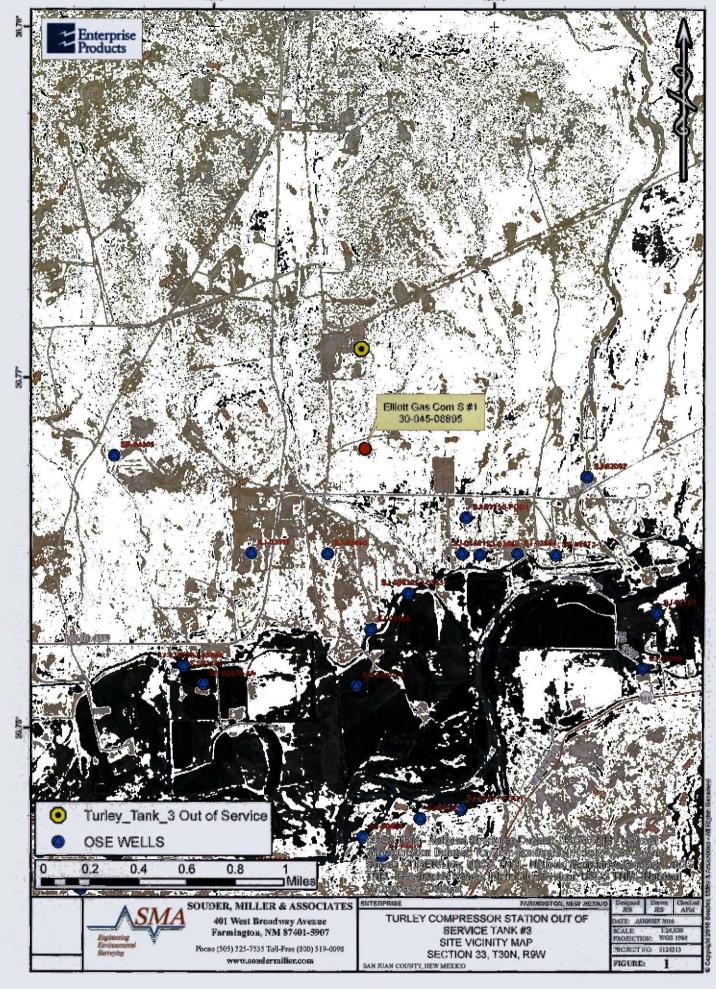
Enterprise requests a variance for the items listed below. The requested variances, per 19.15.17.15A, provide equal or better protection of fresh water, public health and the environment.

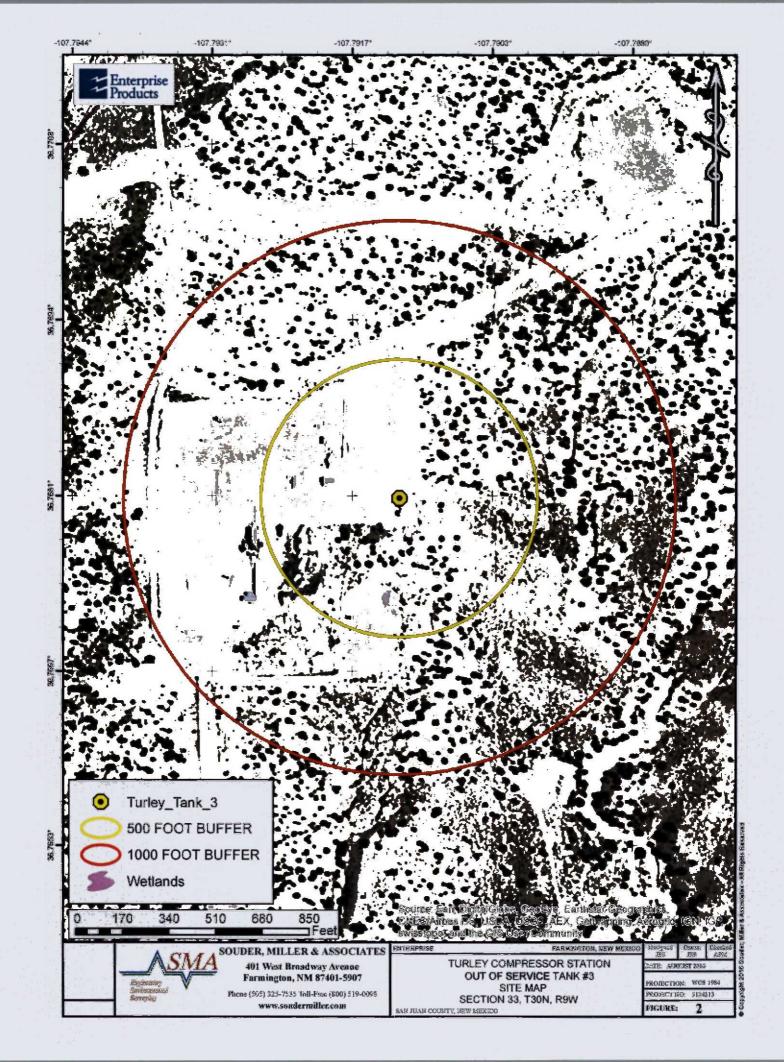
1. Signage

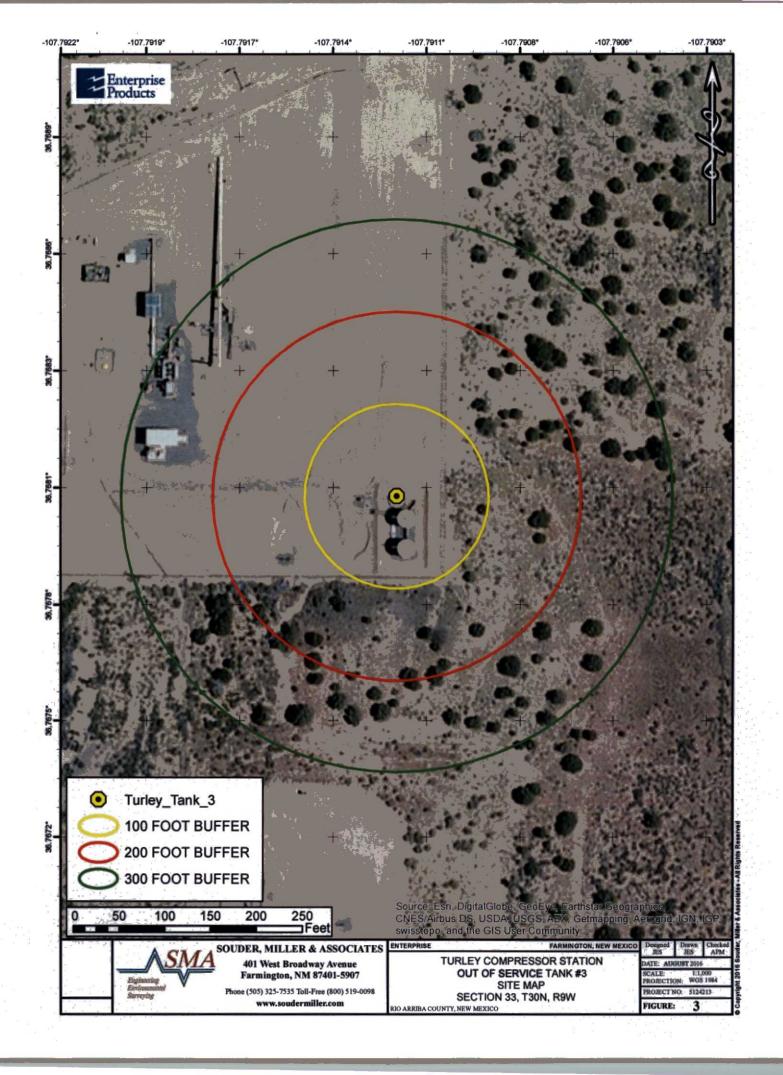
BGT is located within a facility signed appropriate to NMAC 20.2.70, Title V General
Construction Permit. The sign is legible and contains the operator's name, the location
of the compressor station in decimal degrees and township section and range, and
emergency contact telephone numbers. Additional signage relevant to the Title V air
quality permit is also present and provides equal or better protection of fresh water,
public health and the environment.

2. 2008 Pit Rules

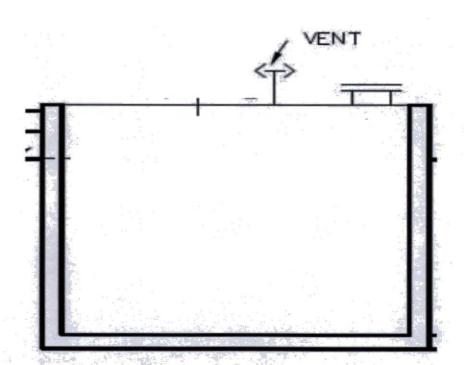
 Turley Compressor Station Out of Service Tank #3 was installed prior to the 2008 pit rules. The BGT does not pose an imminent threat to the protection of fresh water, public health or the environment. -107.8° -107.78°







Below Grade Tank Diagram Turley Compressor Station Out of Service Tank #3



Enterprise Field Services, LLC Existing Buried Double-Wall Steel Tank(s) San Juan Basin - Below Grade Tank(s) Design and Construction Plan

In accordance with Rule 19.15.17 NMAC, the following plan describes the general design and construction of the Below Grade Tank(s) (BGT) using double-wall steel tanks at Enterprise Field Services, LLC (Enterprise) facilities in the San Juan Basin of New Mexico.

Plan requirements:

- 1. The existing BGT(s) is/are located within a facility signed appropriately to NMAC 20.2.70, Title V General Construction Permit requirements. The sign is legible and contains the operator's name, the location of the compressor station in decimal degrees and township section and range, and emergency contact telephone numbers. Additional signage relevant to the Title V air quality permit is also present and provides equal or better protection of fresh water, public health and the environment than the 19.15.17.11 NMAC Subsection C signage requirement.
- The existing BGT(s) is/are located within a facility with a minimum six foot high chain link fence topped with barbed or razor wire which provides equal or better protection of fresh water, public health and the environment than the 19.15.17.11 NMAC Subsection D fencing requirement.
- The existing BGT(s) has/have an enclosed double wall steel top which provides equal or better protection of fresh water, public health and the environment than the 19.15.17.11 NMAC Subsection E netting requirement.
- The existing BGT(s) foundation(s) is/are level and free of rocks, debris, sharp edges or irregularities and has compacted bottom and sidewalls that are stable for the soil conditions.
- The existing BGT(s) is/are protected from rainwater run-on because the top of the BGT(s) is a minimum of six inches above the ground surface.
- The existing BGT(s) is steel double-wall and bottom equipped with an Electronic Flow Meter (EFM) to monitor high liquid levels and automatically shuts off liquid discharges to prevent overflows. The annulus between the double walls is also monitored and inspected monthly.

Operational Plan

NMAC 19.15.17.12

OPERATIONAL REQUIREMENTS

Enterprise will operate and maintain the below-grade tank to contain liquids and solids and maintain the secondary containment system to prevent contamination of fresh water and protect public health and the environment.

Enterprise shall not discharge into or store any hazardous waste in the below-grade tank.

If the below-grade tank develops a leak, Enterprise shall remove all liquid above the damage or leak within 48 hours of discovery, notify the appropriate division office and repair the damage or replace the below-grade tank as applicable per 19.15.29 NMAC.

Enterprise shall operate and install the below-grade tank to prevent the collection of surface water run-on.

Enterprise shall not allow a below-grade tank to overflow or allow surface water run-on to enter the below-grade tank.

Enterprise shall remove any measurable layer of oil from the fluid surface of a below-grade tank.

Enterprise shall inspect the below-grade tank for leakage and damage at least monthly.

Enterprise shall document the integrity of each tank at least annually and maintain a written record of the integrity for five years.

Enterprise shall maintain adequate freeboard to prevent overtopping of the below-grade tank.

CLOSURE REQUIREMENTS

Enterprise shall not commence closure without first obtaining approval of the closure plan submitted with the permit application or registration pursuant to 19.15.17.13 NMAC.

Enterprise shall close the below-grade tank by first removing all contents and transferring the materials to a division approved facility.

Enterprise shall test the soils beneath the below-grade tank as follows:

A minimum of one composite sample to include any obvious stained or wet soils, or other evidence of contamination shall be collected from under the below-grade tank and the sample shall be analyzed for the identified constituents with respective concentrations listed in Table I of 19.15.17.13 NMAC below.

		Table I ow-Grade Tanks, Drying Pads Associa Pits where Contents are Removed	ated with
Depth below bottom of pit to groundwater less than 10,000 mg/1 TDS	Constituent	Method*	Limit**
	Chloride	EPA 300.0	600 mg/kg
≤50 feet	TPH	EPA SW-846 Method 418.1	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	10,000 mg/kg
51 feet-100 feet	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300,0	20,000 mg/kg
> 100 feet	ТРН	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

- *Or other test methods approved by the division
- **Numerical limits or natural background level, whichever is greater
- *** Or Method 8015 with GRO, DRO, & MRO

If any contaminant concentration is higher than the above parameters, the division may require additional delineation upon review of the results and Enterprise must receive approval before proceeding with closure.

If all contaminant concentrations are less than or equal to the parameters listed above, Enterprise can proceed to backfill the excavation with non-waste containing, uncontaminated, earthen material.

CLOSURE NOTICE

Enterprise shall notify the appropriate division district office verbally, and in writing, at least 72 hours, but not more than one week, prior to any closure operation. The notice shall include the Enterprise name and the location to be closed, including the unit letter, section, township, and range.

Enterprise shall notify the surface owner by certified mail (return receipt requested) that Enterprise plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement.

CLOSURE REPORT AND BURIAL IDENTIFICATION

Within 60 days of closure completion, Enterprise shall submit a closure report on form C-144, with necessary attachments to document all closure activities including sampling results, information required by 19.15.17 NMAC, and details on back-filling, capping and covering, where applicable. In the closure report, Enterprise shall certify that all information in the report and attachments is correct and that Enterprise has complied with all applicable closure requirements and conditions specified in the approved closure plan.

TIMING REQUIREMENTS FOR CLOSURE

Within 60 days of cessation of operations, Enterprise shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility.

Within six months of cessation of operations, Enterprise shall remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. If there is any equipment associated with a below-grade tank, Enterprise shall remove the equipment, unless the equipment is required for some other purpose.

SOIL COVER DESIGNS FOR BELOW-GRADE TANKS

The soil cover for closures after site contouring (where Enterprise has removed the below-grade tank and, if necessary, remediated the soil beneath the below-grade tank to chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0) shall consist of the background thickness of topsoil or one foot of suitable material, whichever is greater.

Enterprise shall construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material.

RECLAMATION AND RE-VEGETATION

RECLAMATION OF AREAS NO LONGER IN USE

All areas disturbed by the closure of the below-grade tanks, except areas reasonably needed for production operations or for subsequent drilling operations, shall be reclaimed as early and as nearly as practicable to their original condition or their final land use and shall be maintained to control dust and minimize erosion to the extent practicable.

Enterprise shall replace topsoils and subsoils to their original relative positions and shall be contoured to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area then shall be reseeded in the first favorable growing season following closure of the below-grade tank.

Reclamation of all disturbed areas no longer in use shall be considered complete when all ground surface disturbing activities at the site have been completed, and a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

OTHER REGULATORY REQUIREMENTS

The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operations subject to those provisions, provided the other requirements provide equal or better protection of fresh water, human health and the environment.

Enterprise shall notify the division when reclamation and re-vegetation are complete.

B -- 31

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Hexico Energy, Hinerals and Natural Resources Department

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmingto	on, New Mexico 87401
Facility Or:	ELLIOTT GC S	31
Location: Uni	t or Qtr/Qtr Sec m	Sec 33 T30N R9W County SAN TWAN
Pit Type: Ser	parator X Dehydrator	Other
Land Type: 1	BLM × , State , Fee	, other com. AGmT.
DEPUTY OIL & G.	ASINSPECTOR Prootage from reference	th 19', width 19', depth 22' , other : (45 ice: 82 Degrees East North X West South
Depth To Grou (Vertical dista contaminants to high water elev ground water)	und Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) /O
domestic water	feet from a private source, or; less than all other water sources)	Yes (20 points) O No (0 points)
(Horizontal dis lakes, ponds, r	Surface Water: tance to perennial ivers, streams, creeks, ls and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
		RANKING SCORE (TOTAL POINTS): /O

			-1-0-10-11
		Date Completed:_	
Remediation Method: (Check all appropriate		Approx. cubic yards	
sections)	Landfarmed \times	Insitu Bioremediation	
	Other		
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility) General Description Excavation	Of Remedial Actions		
Ground Water Encoun	tered: No X	Yes Depth	- F
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents	
attach sample results and diagram of sample	Sample depth/	6'	
locations and depths)	Sample date 7/		745
	Sample Results		
	Benzene(ppm)	ND	
2	Total BTEX(ppm	1) 1.57	
	Field headspace	ce(ppm) 996	
	TPH 628 PPM		
Ground Water Sample	: Yes No X	(If yes, attach sample	results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		BOVE IS TRUE AND COMPLET	E TO THE BEST
DATE 81194		DIIXC	
SIGNATURE BASI	PRINTED N		naw, mater

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CLIENT: AMOCO	P.O. BOX 87,	ENGINEERING, BLOOMFIELD, N 05) 632-1199		C.D.C. ND:
FIELD REPO	RT: CLOSU	JRE VERIFIC	CATION	PAGE No: of
LOCATION: NAME: ELL QUAD/UNIT: M. SEC				DATE STARTED: 7/29/94 DATE FINISHED: 7/29/94 ENVIRONMENTAL
QTR/FOOTAGE:SW 4	JULY CON	TRACTOR: MOSS		SPECIALIST:
The second secon		9712-40 ODM	CUBIC YARI	DAGE: _300
FIELD NOTES & REMA	RKS: PIT LUCATED (APPROXIMATELY /Y	FFFT A	182W FROM WELLHEAD.
DEPTH TO GROUNDWATER: </td <td></td> <td></td> <td></td> <td></td>				
NMOCD RANKING SCORE:	- Commence of the contract of			FORMATION: DIC
SOIL AND EXCAVATION	DESCRIPTION:	OCT - DE-THE - OF-		Va.
:81	366	A LYDELICE RET	ω.	
ē.				
				a a
				3
SAMPLE		418.1 CALCULATIONS	ules ous lous	
De 16		(g) mL. FREON DILUTION		
0 1 2	TPH-1047 5	20 1:1	157 6	28
SCALE				
0 FT	1	OVM		is a series of the series of t
PIT PERIM	ETER 7~	RESULTS	PIT	PROFILE
	S	MPLE FIELD HEADSPACE ID PID (ppn)		72
	1 €	6' 996	٨	19' A'
17	-	171 996	-	
(0)	5@ z	181 976	OK. TELL	
0	HENE THE	13 228	OTH- PE	$\int \int I$
(B)	Q 19'	-	· Jane	1 4 5 2
		6	10000	[::] []
	A' T	LAB SAMPLES	1000	<u></u>
SEP	Qe I	ELEX (ROSE)		
				SAAD ME. LT.
Alt				CETUEL SAND
				Section States
TRAVEL NOTES: CALLOUT	7/27/94	ONSITE:	9/44	9.5

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

1 @ 16'

Date Analyzed:

7-29-94

Project Location:

Elliott GC S 1

Date Reported:

7-29-94

Laboratory Number:

TPH-1042

Sample Matrix:

Soil

Parameter

Result, mg/kg

Detection Limit, mg/kg

Total Recoverable Petroleum Hydrocarbons

630

20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg Duplicate TPH mg/kg % •Diff.

938

4.18

*Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Separator Pit - B0031

Analyst

Review



AROMATIC VOLATILE ORGANICS

Attn:

Nelson Velez

Company: Blagg Engineering

Address:

P.O. Box 87

City, State: Bloomfield, NM 87413

Elliott GC S1

Project Name: **Project Location:**

Sampled by:

Analyzed by:

1 @ 16' -

NV DLA

Date: Date:

Separator Pit

7/29/94 7/30/94

Sample Matrix:

Soil

Date:

7/30/94

Lab ID:

1675

Sample ID: 2194

Job No.

2-1000

Aromatic Volatile Organics

Component	**Measured Concentration ug/kg		
Benzene	ND		
Toluene	3.3		
Ethylbenzene	83		
m,p-Xylene	1,464		
m,p-Xylene o-Xylene	23.3		
	TOTAL 1,574 ug/kg		

ND - Not Detectable

** - Method Detection Limit, 2 ug/kg

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE



Elliot Gas Com S #1 Meter/Line ID - 75265

SITE DETAILS

Legals - Twn: 30N

Operator: Amoco

Rng: 9W

Sec: 33 Unit: M

NMOCD Hazard Ranking: 10

Land Type: BLM

Pit Closure Date: 09/12/94

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A Phase I excavation was conducted on September 12, 1994, to 12 feet below ground surface, and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the pit. Approximately 40 cubic yards of material was removed for landfarming and sent to an OCD approved centralized site. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 1070 ppm; laboratory analysis indicated a benzene concentration of 13 mg/kg, a total BTEX concentration of 256 mg/kg, and a TPH concentration of 1470 mg/kg. BTEX and TPH were above required remediation levels for the Hazard Ranking Score.

On May 9, 1995, a Phase II excavation was conducted to 17 feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit. Approximately 40 cubic yards of material was removed for landfarming and sent to an OCD approved centralized site. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 366 ppm; laboratory analysis indicated a benzene concentration of 0.86 mg/kg, a total BTEX concentration of 372 mg/kg, and a TPH concentration of 1470 mg/kg. BTEX and TPH remained above the required remediation levels for the Hazard Ranking Score.

On August 8, 1995, a Phase III borehole was conducted to 20 feet below ground surface where bedrock was encountered. Groundwater was not encountered in the borehole. The borehole was grouted to the surface in a manner to direct surface runoff away from the pit area. A soil gas survey conducted indicates BTEX compounds to be below action level directly down gradient of excavated pit.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for almost six years.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

- Groundwater was not encountered in the excavation or the borehole.
- · Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Bedrock was encountered at 20 feet below ground surface; consequently, impact to groundwater is unlikely.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of site.
- Excavated material has been removed from the pit, eliminating potential direct contact with livestock or the public.

ATTACHMENT

Field Pit Assessment Form Field Pit Remediation/Closure Form Phase I Field Pit Remediation/Closure Form Phase II Soil Gas Survey Phase III Geologic Log Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 75265 Location:ELLOT GAS COM S #1 Operator #:O2O3								
SITE ASSESSMENT	NMOCD Zone: Cand Type: BLM (1) (1) (1) (1) (2) (3) (2) (3) (2) (3) (3) (3) (3) (4)								
REMARKS	Remarks: THREE PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS ON THE NORTH SIDE OF C.R. 4899 ON THE 38-) RD. REDUNE AND TOPO CONFIRMED LOCATION IS INSIDE V.Z. DUE: NO.								

	ORIGINAL PIT LOCATION	ON.		-
				,
	Original Pit : a) Degrees from North 266° Fo			<u> </u>
-	b) Length : Width :	<u>3</u> Depth	:	-
ORIGINAL PIT LOCATION	13' 215' WHITHERD JUS			
REMARKS	Remarks: Took Pictures of 1:41 P.m. END DUMP			
-	Completed By:	6.8.94		(
	Signatura	Date		1 1
150	Signature	Date	4.28 9.44	

with the second

FIELD PIT REMEDIATION/CLOSUME FORM

GENERAL	Meter: 75265 Location: Elliot Gas Com 5 #1 Coordinates: Letter: M Section 33 Township: 30 Range: 9 Or Latitude Longitude Date Started: 9/12/94 Run: 10 43
LIELD OBSERVATIONS	Sample Number(s): LD 250 Sample Depth:12' Feet Final PID Reading /070 ppm PID Reading Depth12' Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 9/12/94 Pit Closed By:
REMARKS	Remarks: Excavated Sit to 12', Took Did Sample Closed. Dit: Signature of Specialist: My Down



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID				
SAMPLE NUMBER:	KD 250	946095				
MTR CODE SITE NAME:	75265	N/A				
SAMPLE DATE TIME (Hrs):	9-12-9-					
SAMPLED BY:		N/A				
DATE OF TPH EXT. ANAL.:	9-12-94	9-13-94				
ATE OF BTEX EXT. ANAL.:	9-14-94	9-17-94				
TYPE DESCRIPTION:	٧٧	Bown Gren Sand/C/A				
4		, ,				
REMARKS:						

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS					
		14.6	数素DF 多美	1.0年Q 1988	M(g)	V(mt)		
BENZENE	13	MG/KG	20					
TOLUENE	73	MG/KG	20					
ETHYL BENZENE	40.5	MG/KG	20					
TOTAL XYLENES	170	MG/KG	2.0					
TOTAL BTEX	254	MG/KG						
TPH (418.1) 1470	+467.1 dale	위 (네일 MG/KG			2.07	28		
HEADSPACE PID	1070	PPM						
PERCENT SOLIDS	90.7	%						



GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 409354

PROJECT #

: 24324

PROJECT NAME : PIT CLOSURE

SAMPL ID. #	The second secon	.D.	MATRIX	DATE	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR	
13	946087		NON-AQ	09/09/94	09/14/94	09/17/94	1	
14	946088		NON-AQ	90/09/94	09/14/94	09/17/94	1	
15 946095			NON-AQ	09/12/94	09/14/94	09/17/94	20	
PARAM	ETER			UNITS	13	14	15	
ENZE	NE			MG/KG	<0.025	<0.025	13	
POLUENE			MG/KG	1.6	<0.025	73		
ETHYLBENZENE				MG/KG	1.8	<0.025	<0.5	
TOTAL XYLENES			MG/KG	88 D(5)	0.059	170		
SURRO	GATE:							
BROMO	FLUOROBENZ	ENE (%)			107	108	153*	

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE D(5)=DILUTED 5X, ANALYZED 09/19/94



ATI I.D. 409354

September 22, 1994

El Paso Natural Gas Co. P.O. Box 4990 Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 09/14/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.

Project Manager

MR:jt

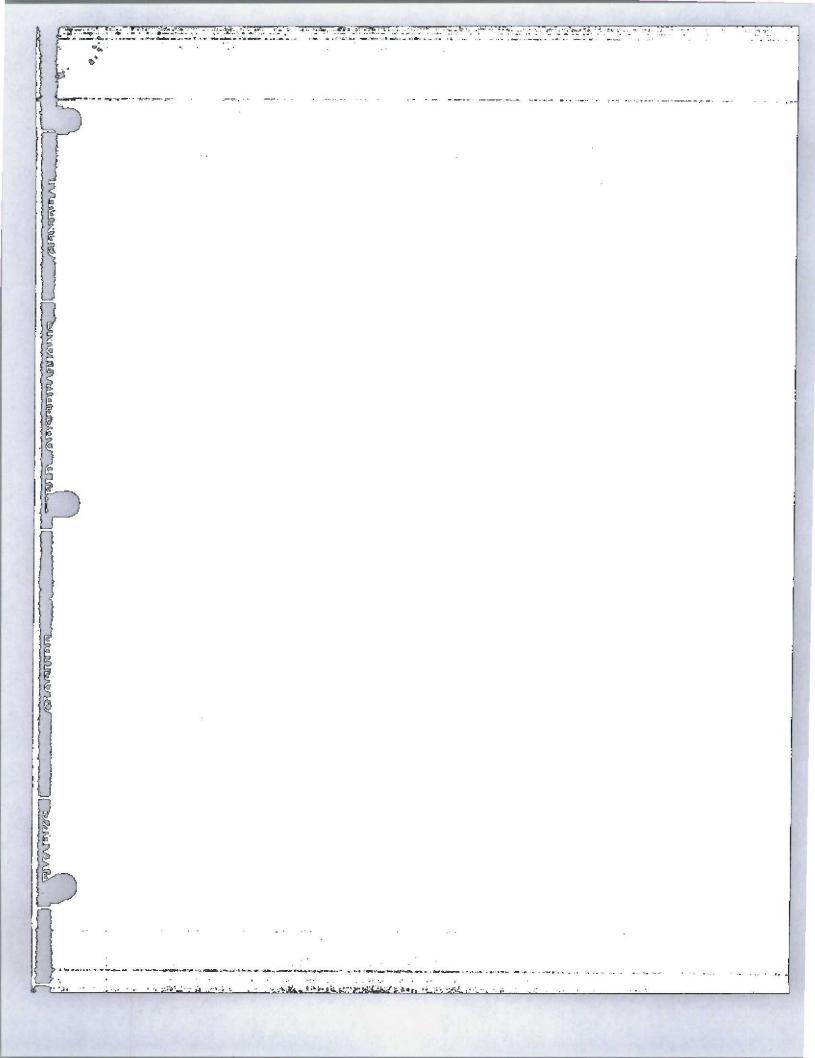
Enclosure





CHAIN OF CUSTODY RECORD

Taken Caken	1												
# 24324	PROJECT NAME PIt Closure Project			E 25		REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER	
AMPLERS: (Signature			DATE: 9/12/44	TOTAL NUMBER OF CONTAINERS	SAMPLE	H 418.1	EX 8020	DI			ENCE		
LABID	DATE	TIME	MATRIX	FIELD ID	P.O.		TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE	REMARKS
946095	9/12/69	1000	Soi 1	KO 250	1	rc	-	X				276	Very High PiD Reading
946096	9/12/94	1340	Sail	KD 251	1	VC	X	X				227	7 . 5
946097	9/12/ay	1605	Soil	KD 252	1	VC	X	X				228	
	-				_						\vdash		
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FUND SHED BY: (S	Too	u	9/13/0	TIME 37 RECEIVED BY: (SIG	ngture)	P	iss	RELINGU	ISHED B	Y: (Signat	.11	iss	DATE/TIME 28 RECEIVED BY: (Signature)
ELINOUN (ED BY:	ignature)		DATE	TIME RECEIVED BY: (S	gnature)	150		RELINO	JISHED B	Y: (Signal	The second second second		DATE/TIME RECEIVED OF LABORATORY BY: (Signature)
EQUESTED TURNAR	The second second second	_		SAMPLE RECEIPT	REMARK	\$					RESUL	TS & INV	OICES TO: FIELD SERVICES LABORATORY
PARRIER CO.											EL PASO NATURAL GAS COMPANY P. O. BOX 4990		
CHARGE CODE			-						505.55	0.2144	FARMINGTON, NEW MEXICO 87499		



ural Gas Company

FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone PHASE 2

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 432	946798
MTR CODE SITE NAME:	75245	N/A
SAMPLE DATE TIME (Hrs):	5.9-95	11-45
SAMPLED BY:	5-10-95	N/A
DATE OF TPH EXT. ANAL.:	5-10-95	
DATE OF BTEX EXT. ANAL.:	5/10/95	5/10/95
TYPE DESCRIPTION:	46	Brown sand & elay

REMARKS:		

RESULTS

Z POVISE P	HESULT A	UNITS		QUALIF	IERS	
Will be seen the state of the s			潜 PER	Q to	M(g)	MVInte
BENZENE	0.86	MG/KG	0,30166		4.42	20
TOLUENE	79.0	MG/KG				1
ETHYL BENZENE	18.8	MG/KG				
TOTAL XYLENES	274	MG/KG	1	DIJ	7	1
TOTAL BTEX	372	MG/KG				
TPH (418.1)	1470	MG/KG			2.04	28
HEADSPACE PID	346	PPM	企为聯盟		el el	
PERCENT SOLIDS	92.0	%				

			- TPH is by EPA	Method 418.1 and BTEX is by EPA	Method 8020	,
	ate Recovery	was at _	107	% for this sample	All QA/QC was acceptable.	
.ive:	Rout	attaches	به (mod: Co. a) 8015		

Annroved By: Sandarda

5/11/95

BTEX SOIL SAMPLE WORKSHEET

File		:	946798A	Date P	rinted	:	5/11/95	
Soil Mass	(g)	:	4.42	Multiplier	(L/g)	:	0.00113	
Extraction vol.	(mL)	:	20	DF (Anal	ytical)	:	266.667	
Shot Volume	(uL)	:	75	DF (R	eport)	:	0.30166	
i i								Det. Limit
Benzene	(ug/L)	:	2.84	Benzene	(mg/Kg):	0.857	0.754
Toluene	(ug/L)	:	261.98	Toluene	(mg/Kg):	79.029	0.754
Ethylbenzene	(ug/L)	:	62.34	Ethylbenzene	(mg/Kg):	18.805	0.754

732.02

175.32

p & m-xylene (ug/L):

o-xylene (ug/L):

Total xylenes (mg/Kg): 273.707 Total BTEX (mg/Kg): 372.398

p & m-xylene (mg/Kg): 220.821

o-xylene (mg/Kg):

1.508

0.754

2.262

52.887



GAS CHROMATOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED

CLIENT

: EL PASO NATURAL

ATI I.D.: 505344

PROJECT #

: 23324

PROJECT NAME : PIT CLOSURE

SAMPLID. #		MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	946798	NON-AQ	05/09/95	05/11/95	05/12/95	5
02	946799	NON-AQ	05/09/95	05/11/95	05/12/95	1
PARAM	ETER		UNITS	01	02	
FUEL 1	HYDROCARBONS		MG/KG	5400	7 .	
HYDRO	CARBON RANGE			C6 - C14	C9 - C18	
HYDRO	CARBONS QUANTITAT	ED USING		GASOLINE	DIESEL	
SURRO	GATE:					

O-TERPHENYL (%)

99

102



ATI I.D. 505344

May 17, 1995

El Paso Natural Gas P.O. Box 4990 Farmington, Nm 87499

Project Name/Number: PIT CLOSURE 24324

Phase I pits

Attention: JOHN LAMBDIN

On 05/11/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous samples. The samples were salyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.

Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D. Laboratory Manager





at 6798 19/8 1145

NMY Learn

RELINQUISHED BY: (Signature)

REQUESTED TURNAROUND TIME: DROUTINE RUSH

CARRIER CO.

94 4799 745 1550 Soil

PROJECT NAME

DATE TIME MATRIX

Plt Closure Project - Place 2

Soil

FIELD ID

DATE/TIME 3D RECEIVED BY: (Signature

RESERVED BY: (Signature)

CHARGE CODE

SAMPLE RECEIPT REMARKS COOL AND PW-TACT

ROJECT NUMBER

LABID

24324 AMPLERS: (Signature)

CHAIN OF CUSTODY RECOF

RELINQUISHED BY: (Sign

RELINQUISHED BY: (Sig

505-599-2144

16

101	DY RE	CORE					Pageor
REQ	UESTE	D ANALY	SIS		CONTRACT LABOR	ATORY P. O. N	IUMBER
EPA 8020	LABPID			SEQUENCE			REMARKS
	2-7			394	PED 3	the ppr	*
(395	PED 3	115 pp	ч
	4T		7.		V.		
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6.2				/	1.		
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- 5 1 2 10		1			. 1 2		
NOU	ISHED B	Y: (Signatu	rre)		DATE	TIME	RECEIVED BY: (Signature)
INQU	ASHED B	Y: (Signeti	r)		SK/G5	/800	RECEIVED OF LABORATORY BY: (Signature)
Pw-TACT RESULTS & INVO					FIELD EL PA P. O. I	SERVI SO NAT	CES LABORATORY TURAL GAS COMPANY

FAX: 505-599-2261

RECORD OF SUBSURFACE EXPLORATION

Borehole Location T30 R9, 5.33. M

PhaseIII Drilling

Philip Environmental Services Corp. 4000 Menroe Road Fermington, New Mexico 87401 (606) 326-2262 FAX (606) 326-2388

Date/Time Completed 4/6/6

Elevation

GWL Depth

Logged By

Drilled By Date/Time Started Project Number Project Location

14509 Ellint Gas Com 5#1

Well Logged By Personnel On-Site

M. Danchue, J.O'Keite

Contractors On-Site Client Personnel On-Site

Drilling Method Air Monitoring Met

Capth (Feet)	est) Number Interval Recevery Section		ide Sample Type & Sample Description Interval Recovery Classification System: USCS Enchast		ile Sample Type & Sample Description or Interval Recovery Classification System: USCS		USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ BH S	Drilling Conditions & Blow Counts
Food			\$notice	Backfill to 12. Bandy GRAVEL, brown, 30-45% fineto med sand, med. to coarse, rounded gravel. dense. damp. TOB - 20.0	Symbol		SZ SH S	ekaklas obble.		
35										

Geologist Signature

RECOM® Soil-Gas and Groundwater Investigation

El Paso Natural Gas Company Sites San Juan Basin Farmington, New Mexico

			GW = groundwater
			bis = below land surface
- No - Alice			ph limb regue meta-wolloH = ASH
Phase II soil boring indicated GV	AIMH	1-6968	ATA GNOMMAH
Phase II soil boring indicated GV	M9e7assula	99774	M9 67% 8-85 TINU NAUL NAS
No GW encountered in Phase I	CSITD	AW	C3 FOOD FINE DISID
GW encountered during Phase	6900	068ZT	OHIO C GVT #3
Phase II HSP inclused at 18.5' ble	L#393	\$1404	CANEPLE GAS COM No. 1
Phase II soil boring indicated GV	LINDRITHZS	74692	гирешн 23
Phase II soil boring indicated GV	LINDRITHB24	2961 6	LINDRITH B24
phase II HSA nefusal at 20' bis	EGC#81	75265	ELLIOT GAS COM No. S1
Phase II HSA refusel at 22' bla	EGC#W1	TAIET	ELLIOT GAS COM No. M1
Phase II soil boring indicated GV	MILESF#1E-01	96116	MILES FEDERAL No. 1E
Phase II soil boring indicated GV	K31FINEDBIB	AW	K-31 FINE DRIP
Phase II soil boring indicated GV	auar	A/N	TRUNK D LINE DRIP
Phase II soil boring indicated GV	ARGO#1E	08/66	ARGO No. 1E
Phase II soil boring indicated GV	LISM	ee0e8	MARSHALL B-1J
Phase II soil boring indicated GV	FLORANSTAI	81737	FLORA MSTA #1
Phase II soil boring indicated GV	MACGRATH#1	Z9901	NoGRATH No. 1
Phase II soil boring indicated GV	MICKET 2% I DK	1460ET	NICKETS NO. 1 DK
Phase II soil boring indicated GV	L2C-22No3LD	V/N	LATERAL 2C-22 No. 3 LINE DRIP
Phase II soil boring indicated GV	слтека	74289	CUTLER 2
sid St te leauten ASH II esertiq	LATERAL2C-1	AW	LATERAL 2C-1 LINE DRIP
Phase II soil boring indicated GV	HOWELLAGED	V/N	HOMETT NO. 3 LINE DRIP
Phase II soil boring indicated GV	KITINEDRIP	AW	X-17 LINE DRIP
Phase II soil boring indicated GV	C-LARGO302	66768	CANYON LARGO 302
Phase II soil boring indicated GV	C-LARGO298	06968	CYNAON TYKGO 388
Phase II soil boring indicated GV	C-LARG0304	88768	CANYON LARGO 304
Phase II soil boring indicated GV	FEDERAL6No32	89746	FEDERAL 6 No. 32
exe I esariq ni benetnucone WĐ	TRUJILLOIPC	690ZL	TRUJILLO No.1 PC
Phase II HSA refusal at 18' bis	MARCOTTE1A	£0668	MARCOTTE 1A
Phase II HSA refusal at 23' bis	SULLIVANT	09202	SULLIVAN No. 1
Phase II HSA refusal at 30' bis	DAY3	74806	DAY No. 3
Phase II HSA refusal at 18" bis	HEATHFI	90971	HEATH F1
Phase II HSA refusal at 27.5' bla	WALKERCOM1	6783T	WALKER COM No. 1
Phase II HSA refusal at 29.5' bis	FLORANCE107	71078	FLORANCE No. 107 PC
ald '81 ts lesules ASH II essely	TYCIY	61968	JAQUEZ A No. 1A
Phase II HSA refusal at 30' bis	CVS	0/5558	CHACON AMIGOS NO. 2
Phase II HSA refusal at 32 bis	ВІИСОИТО	71580	RINCON No. 70
Phase II HSA refusal at 25' bis	ВІИСОИЛО	91904	RINCON No. 10
Phase II HSA refusel at 23' bis	RINCONS	71025	RINCON No. 48
DBEATORS IV	IDENTIFICATION	NUMBER	PIT LOCATION NAME
	SAMPLE	METER	

THE MARTINE

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RECON® Soil-Gas and Groundwater Investigation

El Paso Natural Gas Company Sites San Juan Basin Farmington, New Mexico

		Meter			No of	No. of		
Location Name	U-S-T-R		Sample I.D.	Sample Matrix	Probe Holes	Samples	Depth	Comments
Rincon No. 48	N30-27-6	71025	RINCON48	Soll-gas	3	12	3-12	BTEX below action levels
Rincon No. 10	C36-27-7	70645	RINCON10	Soil-gas	3	12	3-12	BTEX below action levels
Rincon No. 70	A27-27-7	71580	RINCON70	Soil-gas	3	12	3-12	BTEX below action levels
Chacon Amigos No. 2	12-22-3	93370	CA2	Soil-gas	4	16	3-12	Benzene above action levels
Jaquez A No. 1A	D5-29-9	89619	JAC1A	Soil-gas	3	12	3-12	BTEX below action levels
Florance No. 107 PC	E8-30-9	87017	FLORANCE107	Soil-gas	6	24	3-12	BTEX below action levels
Walker Com No. 1	P25-30-9	75879	WALKERCOM1	Soil-gas	3	12	3-12	BTEX below action levels
Heath F1	E8-29-9	72505	HEATHF1	Soil-gas	3	12	3-12	BTEX below action levels
Day No. 3	A17-29-8	90847	DAY3	Soil-gas	3	12	3-12	BTEX below action levels
Sullivan No. 1	M22-32-10	70760	SULLIVAN1	Soil-gas	3	12	3-12	BTEX below action levels
Marcotte 1A	15-31-10	89903	MARCOTTE1A	Soil-gas	3	12	3-12	BTEX below action levels
Trujillo No. 1 PC	M21-29-10	72089	TRUJILLO1PC	Groundwater	15	18	4-6	Benzene above action level and offsite
Federal 6 No. 32	G8-26-7	94768	FEDERAL6No32	Soil-gas and Groundwater	6	32	3-30	BTEX above action levels
Canyon Largo 304	C11-24-6	93788	C-LARGO304	Soil-gas and Groundwater	6	15	3-21	BTEX above action levels
Canyon Largo 298	A3-24-6	93590	C-LARGO298	Soil-gas	3	12	3-12	BTEX below action levels
Canyon Largo 302	J3-24-6	93793	C-LARGO302	Soil-gas and Groundwater	8	17	3-24	BTEX below action levels
K-17 Line Drip	C26-27-8	N/A	K17LINEDRIP	Groundwater	3	3	18-27	BTEX below action levels
Howell No. 3 Line Drip	C3-27-8	N/A	HOWELL#3LD	Groundwater	3	3	21-27	BTEX below action levels
Lateral 2C-1 Line Drip	P36-27-11	N/A	LATERAL2C-1	Sol-gas	3	12	3-12	BTEX below action levels
Cutier 2	A14-24-6	93793	CUTLER2	Groundwater	55 4	4	24-27	BTEX below action levels
Lateral 2C-22 No. 3 Line Drip	G13-24-6	N/A	L2C-22No3LD	Groundwater	3	3	18-24	BTEX below action levels
Nickels No. 1 DK	K11-31-13	73034	NICKELS#1DK	Groundwater	5	5	12-15	Benzene above action levels
McGrath No. 1	F7-31-11	70862	MACGRATH#1	Soil-gas	3	3	9	BTEX below action levels
Flore Vista #1	F22-30-12	75718	FLORAVISTA1	Groundwater	3	3	24-30	BTEX below action levels
Marshall B-1J	014-27-9	89039	MB1J	Soil-gas	3	3	8-20	BTEX below action levels
Argo No. 1E	N18-27-10	93780	ARGO#1E	Groundwater	3	3	24-30	BTEX below action levels
Trunk D Line Drip	E20-28-8	N/A	TDLD	Groundwater	3	3	15-24	BTEX below action levels
K-31 Line Drip	N16-25-6	N/A	K31LINEDRIP	Groundwater	14	14	21-24	Benzene above action levels and offsi

RECON® Soil-Gas and Groundwater Investigation

El Paso Natural Gas Company Sites San Juan Basin Farmington, New Mexico

						No of	0	
Location Name	U-S-T-R	No.	Sample LD	Sample Matrix	Probe Hotes	Samples		
Miles Federal No. 1E	N5-26-7	94495	MILESF#1E	Groundwater	3	3	24-30	BTEX below action levels
Elliot Gas Com No. M1	133-30-9	73147	EGC#M1	Soll-gas	3 4	12	3-12	BTEX below action levels
Elliot Gas Com No. S1	M33-30-9	75265	EGC#S1	Soil-gas	3	12	3-12	BTEX below action levels
Lindrith B24	N9-24-3	94967	LINDRITHB24	Groundwater	3	3	21-27	Benzene above action levels and offsite
Lindrith B23	D9-24-3	74691	LINDRITHB23	Groundwater	3	3	21-27	BTEX below action levels
Caneple Gas Com No. 1	M18-31-10	70714	CGC#1	Soil-gas	3	12	3-12	BTEX below action levels
Ohio C Gvt #3	P26-28-11	72890	OCG3	Soil-gas and Groundwater	3	3	9-17	Benzene above action levels and offsite
C3 Loop Line Drip	D28-29-9	N/A	C3LLD	Soil-gas	3	12	3-12	BTEX below action levels
San Juan Unit 28-6 #79 PM	M11-27-6	722654	SJU28679PM	Groundwater	7	7	30-36	BTEX above action levels
Hammond 41A	025-27-8	89894	H41A	Groundwater	9	9	15-23	BTEX above action levels

BTEX = benzene, toluene, ethyl benzene, and xylenes

Sample Analysis Worksheet

Sample	Probe Hole	Depth		lysis	Injection		VAC	
I.D.	Number	(Feet)	Time	Date	Vol. (µL)	Multiplier	in. Hg	Comments
MILESF#1E-01	PH-01	24-30	1027	12/1/95	500	0.2	N/A	Groundwater
MILESF#1E-02	PH-02	18-30	1107	12/1/95	500	0.2	N/A	Groundwater
MILESF#1E-03	PH-03	24-30	1159	12/1/95	500	0.2	N/A	Groundwater
MILESF#1E-03-D	PH-03	24-30	1241	12/1/95	500	0.2	N/A	QC - Duplicate
MILESF#1E-03-MS	PH-03	24-30	1330	12/1/95	500	0.2	N/A	QC - Matrix Spike
Blank-83	N/A	N/A	1659	12/1/95	500	0.2	N/A	QC - System Blank
QCRT-30	N/A	N/A	1716	12/1/95	100	1	N/A	QC - Retention Time
Blank-84	N/A	N/A	0641	12/2/95	500	0.2	N/A	QC - System Blank
STD-1202	N/A	N/A	0729	12/2/95	100	1	N/A	Calibration Standard
Blank-85	N/A	N/A	0802	12/2/95	500	0.2	N/A	QC - System Blank
Blank-86	N/A	N/A	0855	12/2/95	500	0.2	N/A	QC - Probe Rod Blan
ARGO#1E-01	PH-01	24-30	0929	12/2/95	500	0.2	N/A	Groundwater
ARGO#1E-02	PH-02	24-30	0957	12/2/95	500	0.2	N/A	Groundwater
ARGO#1E-03	PH-03	24-30	1035	12/2/95	500	0.2	N/A	Groundwater
ARGO#1E-03-D	PH-03	24-30	1101	12/2/95	500	0.2	N/A	QC - Duplicate
ARGO#1E-03-MS	PH-03	24-30	1117	12/2/95	500	0.2	N/A	QC - Matrix Spike
Blank-87	N/A	N/A	1513	12/2/95	500	0.2	N/A	QC - System Blank
QCRT-30	N/A	N/A	1549	12/2/95	100	1	N/A	QC - Retention Time
Blank-88	N/A	N/A	0635	12/4/95	500	0.2	N/A	QC - System Blank
STD-1204	N/A	N/A	0728	12/4/95	100	1	N/A	Calibration Standard
Blank-89	N/A	N/A	0757	12/4/95	500	0.2	N/A	QC - System Blank
Blank-90	N/A	N/A	0814	12/4/95	500	0.2	N/A	QC - Probe Rod Blan
EGC#S1-01	PH-01	3	0858	12/4/95	500	0.2	8	Soil-gas
EGC#S1-02	PH-01	6	0913	12/4/95	500	0.2	9	Soil-gas
EGC#\$1-03	PH-01	9	0928	12/4/95	500	0.2	8	Soil-gas
EGC#\$1-04	PH-01	12	0943	12/4/95	500	0.2	8	Soil-gas
EGC#S1-05	PH-02	3	1011	12/4/95	500	0.2	10	Soil-gas
EGC#S1-06	PH-02	6	1026	12/4/95	500	0.2	8	Soil-gas
EGC#\$1-07	PH-02	9	1041	12/4/95	500	0.2	8	Soil-gas
		•						P&A 1-31-91

N/A - not applicable QC - quality control D - duplicate analysis MS - matrix spike

r_IILIP

RECON SAM. LE ANALYSIS

DATA SUMMARY TABLE Project: 13947

Sample I.D. Probe Hole Depth Number (feet)		Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments		
EGC#S1-08	PH-02	12	ND(I)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#S1-09	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#S1-10	PH-03	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#\$1-11	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#S1-12	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-01	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-02	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-03	PH-01	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-04	PH-01	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-07	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-08	PH-02	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-09	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-10	PH-03	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-11	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-12	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas		
EGC#M1-12-D	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Duplicate		
Blank-91	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank		
QCRT-30	N/A	N/A	11	611	534	532	512	QC - Retention Times		
Blank-92	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank		
STD-1205	N/A	N/A	12	705	705	706	707	Calibration Standard		
Blank-93	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank		
Blank-94	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank		
LINDRITH23-01	PH-01	21-27	ND(1)	ND(I)	ND(1)	ND(1)	ND(1)	Groundwater		
LINDRITH23-02	PH-02	21-27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater		
LINDRITH23-03	PH-03	21-27	<1	3	ND(1)	2	ND(1)	Groundwater		
LINDRITHB24-01	PH-01	21-27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater		

D = duplicate analysis.

QC = quality control.

ug/L = micrograms of compound detected per liter of soil or groundwater vapor analyzed.

ND = not detected at the lower quantifiable limit indicated in parenthesis.

N/A = not applicable.

MS = matrix spike.

QA Review:

QA Review.

Review Date:

-31-96 AX 2/13/96



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub- Code basin	County	No.		Q 4		Tws	Rng	×	Y	Entereding of the little	STREET, STREET,	Water
SJ 00009		SJ			3	06	30N	09W	248261	4080567*	396	60	336
SJ 00091		SJ	2	2	3	35	30N	09W	254455	4072563*	34		
SJ 00140		SJ			1	25	30N	09W	255769	4074625*	10		
SJ 01330		SJ	2	1	1	36	30N	09W	255654	4073322*	20	5	15
SJ 02092		SJ	4	4	4	33	30N	09W	252048	4072066*	32	15	17
SJ 02170		SJ	3	4	1	35	30N	09W	254257	4072752*	20	10	10
SJ 02298		SJ			3	36	30N	09W	255777	4072235*	15	4	11
SJ 02744		SJ	4	4	2	25	30N	09W	256992	4074273*	21	10	11
SJ 03565		SJ	3	4	2	35	30N	09W	255060	4072735*	20		
SJ 03859 POD1		SJ	2	2	3	35	30N	09W	254523	4072637	34	20	14
SJ 03899 POD1		SJ	4	4	4	34	30N	09W	253727	4071951	35	4	31
SJ 04050 POD1		SJ		1	4	10	30N	09W	253540	4078667	380	240	140
SJ 04066 POD1		SJ		2	4	25	30N	09W	257174	4073384	260	200	60

Average Depth to Water:

56 feet

Minimum Depth:

4 feet

Maximum Depth:

240 feet

Record Count: 13

PLSS Search:

Township: 30N

Range: 09W

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.