District I 1625 N French Dr. Hobbs NM 88240 District II 1301 W Grand Avenue. Artesia, NM 88210 District III 1000 Rio Brazos Road. Aztec, NM 87410 District IV 1220 S St Francis Dr., Santa Fc, NM 87505

Alternative Method:

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

580	Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application		
	Type of action Permit of a pit, closed-loop system, below-grade tank, or proposed alterna Closure of a pit, closed-loop system, below-grade tank, or proposed alterna Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit below-grade tank, or proposed alternative method	ative method	
Please be advised	ctions. Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tand that approval of this request does not relieve the operator of liability should operations result in pollution of surface or does approval relieve the operator of its responsibility to comply with any other applicable governmental authority	water, ground water or the	
1 Operator	DJ Simmons, Inc OGRID# 005578		
	1009 Ridgeway Place Farmington, NM 87410		
	name Lybrook Federal No 1		
	30-03924011 OCD Permit Number		
	O Section 4 Township 23N Range 7W County		
Center of Propo	osed Design Latitude <u>36 251043</u> Longitude <u>-107 576788</u> NAD []193	27 🛮 1983	
Surface Owner	Federal State Private Tribal Trust or Indian Allotment		
Femporary ☐ Permanent ☐ Lined ☐ U☐ String-Reint	ection F or G of 19 15 17 11 NMAC Drilling		
Closed-loop	p System: Subsection H of 19 15 17 11 NMAC		
	tion P&A Drilling a new well Workover or Drilling (Applies to activities which require prior app	•	
	☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other	115161770	
	Inlimed Liner type Thicknessmil	234151617 78 78 203	
Liner Seams	☐ Welded ☐ Factory ☐ Other		
	ue tank: Subsection 1 of 19 13 17 11 NIVIAC	PRECEIVED SEP 2000	
	tion material Steel	OIL CONS. DIV. DIST. 3	
	containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
☐ Secondary contaminent with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-on ☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other ☐ Compared to the first of the compared to			
	nckness 12 mil HDPE PVC Other		
5			

Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office 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, 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)	hospital,	
8 Signs: Subsection C of 19 15 17 11 NMAC □ 12"\ 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers □ Signed in compliance with 19 15 3 103 NMAC		
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19 15 17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank. Administrative approval(s). Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.		
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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17 10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.		
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank - NM Office of the State Engineer - iWATERS database search, USGS. Data obtained from nearby wells	☐ Yes ☑ No	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☑ No	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐ Yes ☑ No ☐ NA	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to permanent pits)	☐ Yes ☐ No ☑ NA	
- Visual inspection (certification) of the proposed site. Aerial photo, Satellite image Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site	☐ Yes ☑ No	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obtained from the municipality	☐ Yes ☑ No	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☒ No	
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☑ No	
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map	☐ Yes ☑ No	
Within a 100-year floodplain - FEMA map	☐ Yes ☑ No	

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC Instructions. Each of the following items must be attached to the application Please indicate, by a check mark in the box, that the documents are
attached ☐ Hydrogeologic Report (Below-grade Lanks) - 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 ☐ Sting Criteria Comphance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC ☐ Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
Previously Approved Design (attach copy of design) API Number 30-03923995 or Permit Number
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC Instructions Each of the following items must be attached to the application Please indicate, by a check mark in the box, that the documents are attached
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
Previously Approved Design (attach copy of design) API Number
Previously Approved Operating and Maintenance Plan API Number
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Instructions Each of the following items must be attached to the application Please inducate, by a check mark in the box, that the documents are attached Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC String 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 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
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
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan Please indicate, by a check mark in the box, that the documents are attached □ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

16		
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 13 I Instructions Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if facilities are required		
Disposal Facility Name Disposal Facility Permit Number		
Disposal Facility Name Disposal Facility Permit Number		
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future serior Yes (If yes, please provide the information below) No	vice and operations?	
Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC		
17		
Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC Instructions Each string criteria requires a demonstration of compliance in the closure plan Recommendations of acceptable source material are provided below Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 10 NMAC for guidance.		
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS. Data obtained from nearby wells	☐ Yes ☐ No ☐ NΛ	
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search. USGS, Data obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Ground water is more than 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWA LERS database search, USGS, Data obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or plava lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐ Yes ☐ No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWA1ERS database. Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obtained from the municipality	☐ Yes ☐ No	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No	
Within an unstable area - Engineering measures incorporated into the design. NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map	☐ Yes ☐ No	
Within a 100-year floodplain - FLMA map	☐ Yes ☐ No	
18		
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions Each of the following items must be attached to the closure plan Please indicate, by a check mark in the box, that the documents are attached Sting 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 F of 19 15 17 13 NMAC Construction/Design Plan of Bunal Trench (if applicable) based upon the appropriate requirements of 19 15 17 11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC		

	□ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC □ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) □ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC □ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC		
	19 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 belief		
	Name (Print) Title President		
	Signature Date 4/13/08		
	c-mail address jbyrom@djsimmons.com Telephone 505-326-3753		
X	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 3/09/2012		
wo	Title: OCD Permit Number:		
	Closure Report (required within 60 days of closure completion): Subsection K of 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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:		
	22 Closure Method: ⊠ Waste Excavation and Removal □ On-Site Closure Method □ Alternative Closure Method □ Waste Removal (Closed-loop systems only) □ If different from approved plan, please explain		
	Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized		
	Disposal Facility Name Disposal Facility Permit Number		
	Disposal Facility Name Disposal Facility Permit Number		
	Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If ves. please demonstrate compliance to the items below) No		
	Required for impacted areas which will not be used for future service and operations Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique		
	14		
	Closure Report Attachment Checklist: Instructions		
ļ	Site Reclamation (Photo Documentation) On arts Closure Legitude NAD D1027 D 1093		

* Note test result level correction in Closure Plan

Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure reported in also certify that the closure complies with all applicable closure requirements	
Name (Print)	Title
Signature	Date
c-mail addiess	Telephone

Hydrogeologic Report DJ Simmons, Inc Lybrook Federal No. 1 T23N, R7W, Sec. 04

Regional Hydrological Context

Referenced Well Location:

The referenced well and pit is located on Federal Bureau of Land Management land in San Juan County, New Mexico This site is positioned in the northeastern portion of the San Juan Basin, an asymetrical syncline that extends from northwestern New Mexico into southwestern Colorado (Carson National Forest DEIS, 2007) Elevation of the referenced well is approximately 7025 feet MSL

General Regional Groundwater Description:

As a portion of the San Juan Basin, this region is underlain by sandstone aquifers of the Colorado Plateau. The primary aquifer of potential concern at this location is the Unita-Animas Aquifer, composed primarily of Lower Tertiary rocks in the San Juan Basin. The aquifer consists of the San Jose Formation, the underlying Animas formation and its lateral equivalent, the Nacimiento formation, and the Ojo Alamo Sandstone. The thickness of the Unita-Animas aquifer generally increases toward the central part of the basin. In the northeastern part of the San Juan Basin, the maximum thickness of the aquifer is approximately 3500 feet (USGS, 2001). This aquifer contains fresh to moderately saline water.

Groundwater generally flows toward the San Juan River and it tributaries, where it becomes alluvial groundwater or is discharged to stream flow. Additional information regarding the Hydrogeologic setting can be found in the provided references.

Site Specific Information:

Surface Hydrology: The pit is located on relatively even terrain on an upland bench

associated with Johnson Canyon. The vault and well pad area is transceted, by a designated significant ephemeral drainage which is associated with the greater Largo wash watershed. The

dramage is 702 feet form the Lybrook No 1 vault

1st Water Bearing Formation:

Formation Thickness: Underlying Formation: Depth to Groundwater: San Jose, Tertiary

Approximately 1,900- feet Nacimiento, Tertiary

Depth to groundwater is estimated at greater than 100 feet bgs.

There are no iWATERS wells within a one -mile radius of this.

location The Closest Well with iWaters data is located 1.4 miles distance, T23N, R7W, Sec. 10, and well No. SJ 01507 and is designated use is for the residents of Lybrook NM with an

estimated depth to water of 900 feet bgs

References:

Allen, Erin Undated Colorado Plateau Aquifers

http://academic.emporia.edu/schulmem/hydro/TERM%20PROJECTS/2007/Allen/Aquifer.html

New Mexico Energy, Minerals and Natural Resources Department, Division of Mining and Minerals Database 2008 Internet accessed August 2008

New Mexico Office of the State Engineer August 2008 (Waters database Internet accessed August 2008)

New Mexico WQCC 2005 State of New Mexico Water Quality Act and the Water Control Commission Regulations

United States Department of Agriculture, Forest Service 2007 Draft Environmental Impact Statement for Surface Management of Gas Leasing and Development Jicarilla Ranger District, Carson National Forest, Rio Arriba County, New Mexico

United States Department of the Interior Bureau of Land Management 2003 Final Farmington Resource Management Plan and Final Environmental Impact Statement Farmington Field Office, Farmington, New Mexico

United States Geological Survey 2001 Groundwater Atlas of the United States Arizona, Colorado, New Mexico and Utah USGS Publication HA 730-C, http://capp.water.usgs.gov

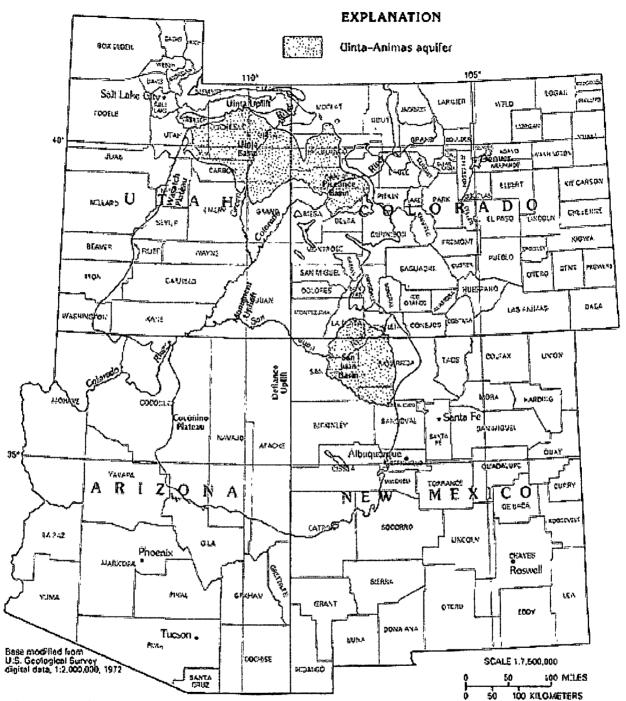


Figure 108. The Uinta-Animas aquifer is the shallowest of the Colorado Plateaus aquifers and is present in the Uinta, Piceance, and San Juan Basins.

New Mexico Office of the State Engineer POD Reports and Downloads

Township 23h Range. Sections 3,4,2,1,5,8,9,10,11,12
NAD27 X Y. Zone Search Radius.
County Basin: SJ(San Juan) Number Suffix.
Owner Name. (First) (Last) Non-Domestic Domestic All
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report
POD / SURFACE DATA REPORT 09/15/2008 (quarters
are 1=NW 2=NE 3=SW 4=SE)
(acre ft per annum) (quarters are biggest to smallest X Y are in Feet UTM are in Meters) Start
Finish Depth Depth (in feet)
DB File Nbr Use Diversion Owner POD Number Source Tws Rng Sec q q q Zone X Y UTM Zone Easting Northing Date
Date Well Water SJ 01507 MDW 33.4 LYBROOK WATER USERS SJ 01507
SD 01507 MDW 33.4 LYBROOK WATER USERS SD 01507 Shallow 23N 07W 10 4 3 3 13 269889 4013098
01/09/1971 1709 900
Record Count: 1
New Mexico Office of the State Engineer POD Reports and Downloads
Township. 23N Range Sections 3,4,2,1,5,8,9,10,11,12
NAD27 X Y. Zone Search Radius.
County Basin. SJ(San Juan) Number. Suffix.
Owner Name: (First) (Last) Non-Domestic Domestic All
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report
AVERAGE DEPTH OF WATER REPORT 09/15/2008 (Depth Water in Feet)
Bsn Tws Rng Sec Zone X Y Wells Min Max Avg

Page 9 of 19

1 900 900 900

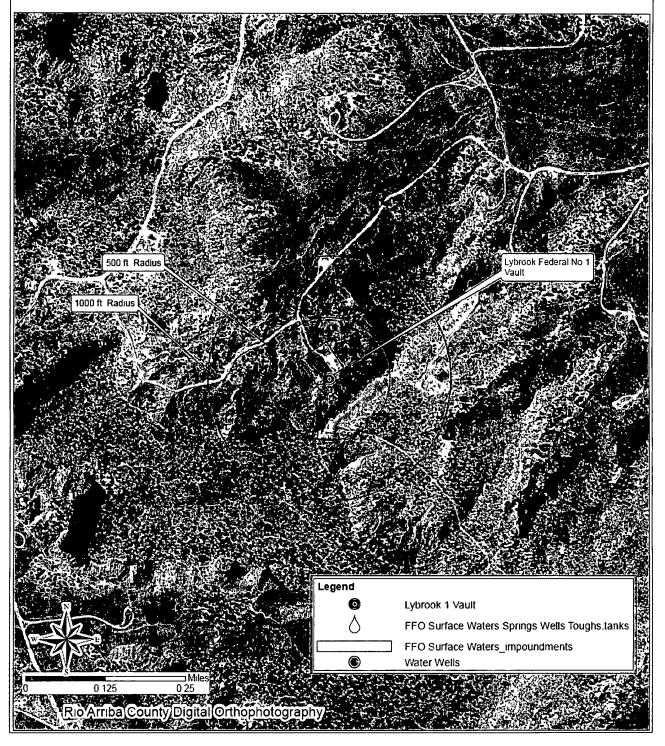
Record Count: 1

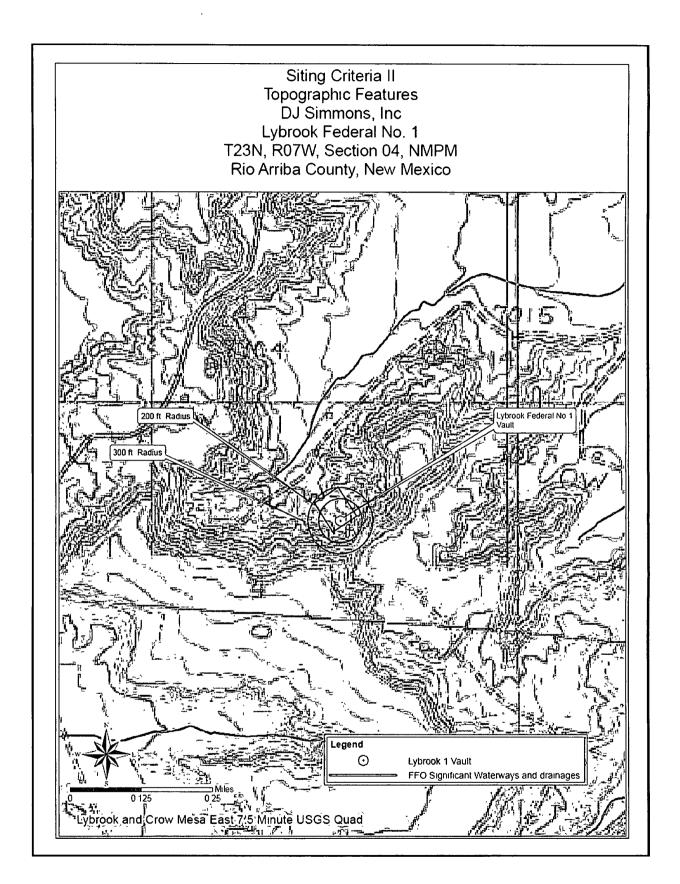
New Mexico Office of the State Engineer POD Reports and Downloads

Township. Range.	o7v Sections. 3,4,2,1,5,8,8	9,10,11,12			
NAD27 X. Y	Zone	Search Radius			
County Basin SJ(San	Juan) V	umber -	Suffix		
Owner Name (First) (Last	Non-	Domestic	Domestic	ه All	1
POD / Surface Data ReportAv	g Depth to Water Report\	Vater Column	Report		
WAT	ER COLUMN REPORT 09/1	5/2008		имперуального в обружаную	
(quarters are 1=NW 2=N (quarters are biggest feet)	•	Depth	Depth W	later ((in
POD Number Tws Rng Sec q q q q 2 23N 07W 10 4 3 3		Y Well 1709	Water Co	olumn 809	

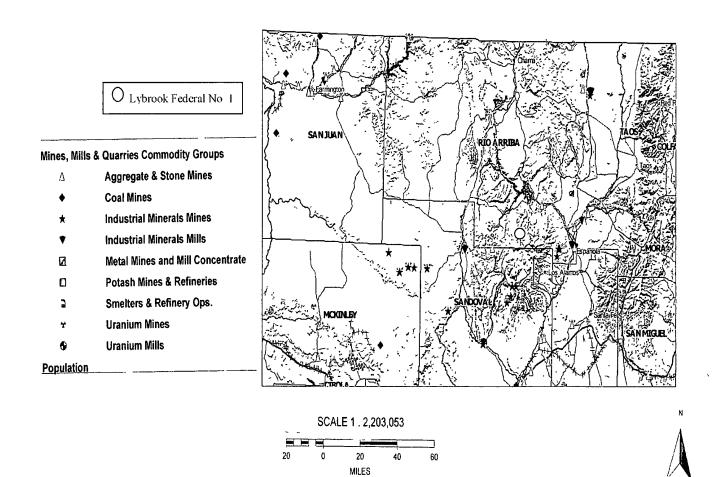
Record Count: 1

Siting Criteria I
Existing Known Wells and Springs
DJ Simmons, Inc
Lybrook Federal No. 1
T23N, R07W, Section 04, NMPM
Rio Arriba County, New Mexico





Lybrook Federal No. 1 Mines, Mills and Quarries Web Vicinity Map

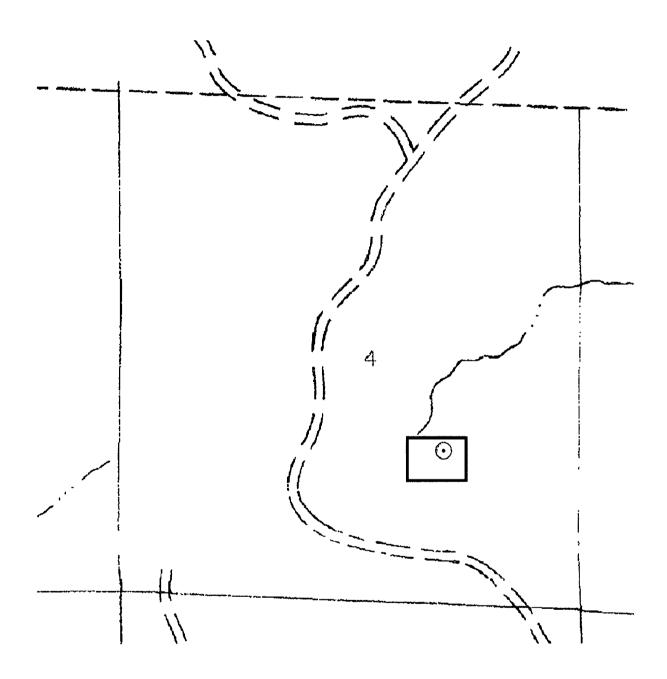


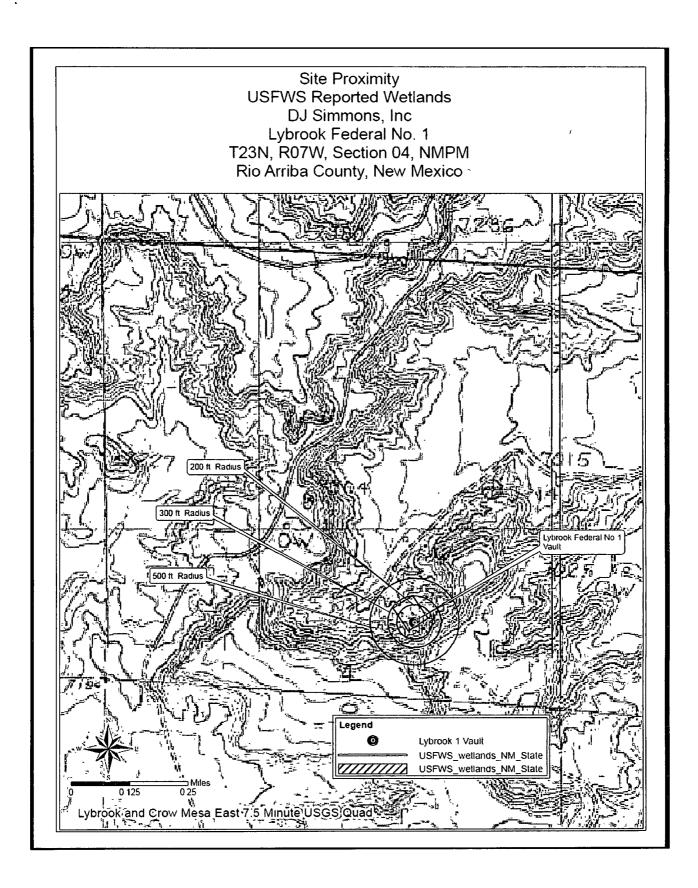
Siting Criteria Compliance Demonstrations:

The Lybrook Federal No 1 well is not located in an unstable area. The location is not situated over a mine or a steep slope. The vault is not located within 300 feet of a continuously flowing water course or within 200 feet of any other significant water course, lakebed, sinkhole, or playa lake (see Siting Compliance Map I). The site is not within 500 feet of any reported riparian areas or wetlands (see attached USFWS Wetland Map), within 500 feet of any private, domestic fresh water well or spring, or within 1000 feet of any other fresh water well or spring (see Siting Compliance Map I). The pit will not be within any incorporated municipal boundaries or defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. The location of the proposed pit is not within 300 feet of any permanent residence, school, hospital, institution, or church

FEMA Map - 100-Year Floodplain:

According to FEMA records, this site is not located in a 100-year floodplain (see attached FEMA map on the following page)





DG Simmons, Inc San Juan Basin Below Grade Tank Closure Plan

In Accordance with Rule 19 15 17 12 NMAC the following information describes the closure requirements of Below Grad Tanks (BGTs) on DJ Simmons, Inc locations, hereinafter known as DJ Simmons locations, in the San Juan Basin of New Mexico. This is DJ Simmons's standard procedure for all BGTs. A separate plan would be submitted and utilized for any BGT which does not conform to this plan.

All closure activities will include proper documentation as stipulated by 19 15 17 NMAC and will be submitted to OCD within 60 days of the closure on a Closure Report using Division Form C-144. The Report will include the following

- Details on Capping and Covering, where applicable
- Plot Plan (Pit Diagram)
- Inspection reports
- Sampling Results

Copy of Deed Notice filed with the County Clerk (format to meet County requirements)

General Requirements

- 1 DJ Simmons shall close a below-grad tank within the time periods provided in 1915 1713 NMAC, or by an earlier date that, if the division requires due to any imminent danger to fresh water, public health or the environment
- 2 DJ Simmons shall close an existing below grade tank 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 Paragraphs (5) of Subsection I of 19 15 17 11 NMAC within five years after 16 June 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19 15 17 11 NMAC
- 3 DJ Simmons shall close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19 15 17 17 NMAC in accordance with a closure plan that the appropriate division district office approves The closure report would be filed on a C-144 form
- 4 DJ Simmons shall remove all free standing liquids and sludge from a below grade tank prior to implementation of a closure method. Liquids will be removed in a manner that the appropriate District Office approves including, recycled, reused, reclaimed, evaporated, and/or disposed of in a Division-approved facility.
- 5 DJ Simmons shall remove the below-grade tank and dispose of it at a licensed disposal facility (probably San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426) and/or recycled, reused, or reclaimed in a manner that the appropriate division district office approves
- 6 If there is any on-site equipment associated with a below grade tank, DJ Simmons shall remove the equipment, unless the equipment is required for some other purpose(s)
- DJ Simmons shall test the soils beneath the below-grad tank to determine whether a release has occurred DJ Simmons shall collect, at a minimum, a five point, composite sample. The samples would be taken of the affected area using sampling tools and all samples tested per 19.15.17.13(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), all contents will be handled per 19.15.17.13(B)(1)(a) (i.e. dig and haul to a Division-approved facility). Approval to haul will be requested of the Aztec District office prior to initiation. Collected samples would include individual grab samples from any area that is wet, discolored or showing other evidence of a release, and analyze samples for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA.

methodology that the division approves, does not exceed 50 mg/kg the TPH concentration, as determined by the EPA method 418.1 or other EPA methodology that the division approves, does no exceed 100 mg/kg and the chloride concentration , as determined by the EPA method 300.1 or other EPA methodology that the division approves, does not exceed 250 mg/kg. or the background concentration, which may be greater DJ Simmons shall notify the division of its results on form C_{141} .

Table 1 Closure Criteria for Below Grade Tank

Samponents	Testing Methods	Closure Limits (mg/Kg)
Benzene	EPA SW-846 Method 8021P of 8260B	0 2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	EPA SW 846 Method 8915 M(Full Range)* or	2500
	Method 418 l	
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	500
Chlorides	EPA SW-846 Method 300 1	1000

* Preferred method

see above text for proper test result limits

- 8 If DJ Simmons or the division determines that a release has occurred, DJ Simmons shall comply with 19 15 17 116 NMAC and 19 15 1 19 NMAC stipulations as appropriate
- 9 If contamination is confirmed by field sampling, DJ Simmons will follow the *Guidelines For Remediation Of Leaks, Spills, and Releases* per NMOCD August 1993 mandate, when remediating identified contaminants
- 10 IF the sampling program demonstrates that a release has occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19 15 17 13 NMAC, then DJ Simmons shall backfill the excavation with compacted, non-waste containing, earthen material construct a division prescribed soil cover re-contour and re-vegetate the site.
- 11 Notice of Closure will be given to the Aztec Division office between 72 and 7 days (one Week) of the closure via e-email, or verbally. The notification of closure will include the following.
 - Operator's name (DJ Simmons)
 - 11 Well Name and API Number
 - 111 Location (USTR)
- 12 All closure activities will include proper documentation and be available for review per request and will be submitted to OCD within 60 days of closure of the below grade tank. The closure report will be filed on a C-144 form and incorporate the following.
 - Details on Capping and Covering, where applicable
 - u Inspection reports
 - ui Sampling Results
- 13 Re-contouring of the location would match the original geographic features and topographic fit. lines, form, shape and texture of the sun ounding topographical contours Re-shaping of the contour would include establishment or reestablishment of drainages to control sedimentation, total dissolved solids (TDS), and to mitigate ponding and prevent crosion. Natural drainages will be unimpeded and appropriate hydrologic BMPs such as water bars and/or silt traps will be placed in areas where needed to prevent crosion and sediment movement on a large scale. The final recontour shall have a uniform appearance with smooth surface, fitting the aesthetic of the surrounding natural landscape.
- 14 DJ Simmons shall seed the disturbed areas within the first growing season after the operator has closed the pit. Seeding will be accomplished via drill on the contour whenever possible or by other division approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note. DJ Simmons assumes the seeding supulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) or Land owner as part of a

- surface use agreement or APD are Division-approved methods unless notified by the Division of their unacceptability. The Operator would be responsible for monitoring vegetative stand development and for eradicating all noxious/invasive weeds within the re-vegetated area.
- 15 A Minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil whichever maybe greater
- 16 The surface owner shall be notified of DJ Simmons's proposed below-grade tank closure plan using a means that provides proof of notice (i.e. certified mail/return receipt requested)