District 1 . 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 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, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

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

District Office.

Pit, Closed-Loop System, Below-Grade Tank, or

٥١	Proposed	d Alternative	Method Pe	ermit or	Closur	e Plan A	<u>-51</u> Applicati	ion	
1581	Type of action:	Permit of a pit,	closed-loop syst closed-loop sys an existing perr ly submitted for tive method	em, belowetem, below nit an existing	-grade tan v-grade ta g permitte	k, or propo nk, or prop d or non-pe	sed alternationsed alternations	tive method ative method , closed-loop system,	
				-	=	=	-	k or alternative request water, ground water or the	
								s rules, regulations or ordir	
Operator:	DJ Sin	nmons. Inc	00	GRID#		00557	8		
	1009 Ridgeway								
Facility or well na	ame: <u>Lybrook Fed</u>	eral No. 2							
API Number:	30-03923995		OCD Permit N	lumber:					
U/L or Qtr/Qtr _	I Section	4	Township	<u>23N</u>	_ Range _	<u>7W</u>	_County: _	Rio Arriba	
Center of Propose	ed Design: Latitude	36.253069		ongitude _		<u>-107.72579</u>		NAD: □1927 🖾 1983	;
Surface Owner:	☐ Federal ☐ State ☐	Private Tribal T	rust or Indian All	otment					
Temporary: Permanent Lined Un	tion F or G of 19.15.17 Drilling	ation							
inci Scains.	weided [] ractory [_ volune.		Dimension	X W		
Closed-loop S Type of Operation intent) Drying Pad Lined Unli		g a new well	orkover or Drillin off Bins			•	/	RECEIVED	
4. ✓ Below-grade Volume. 210	tank: Subsection I of	f 19.15.17 11 NMA		ater			5678	OIL CONS. DIV. DIST. 3	32425
Tank Construction	on material: Steel			_	nd automat	ic overflow	shut-off	RECEIVED GEP: 2003 OIL CONS. DIV. DIST. 3	6

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

_mil 🛛 HDPE 🗌 PVC 🔲 Other __

☑ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other

Liner type: Thickness ____12

Alternative Method:

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 wife at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)				
Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate Please specify				
Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Screen □ Netting □ Other □ Monthly inspections (If netting or screening is not physically feasible)				
Signs: Subsection C of 19 15 17 11 NMAC ☐ 12"x 24". 2" lettering, providing Operator's name, site location, and emergency telephone numbers ☐ Signed in compliance with 19.15 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 of consideration of approval. Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for			
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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of all Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	priate district pproval.			
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) - Visual inspection (certification) of the proposed site. Aerial photo. Satellite image	☐ Yes ☐ No ☑ NA			
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes 🛛 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 Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC 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:(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Lak Detection Design - 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 Monttoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
15. Weste Francisian and Borrough Cleanus Blan Chaptists (10.15.17.12.NMAC) tradementioner. Finals 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 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

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.1 Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if	
facilities are required. Disposal Facility Name: Disposal Facility Permit Number:	
Disposal Facility Name: Disposal Facility Permit Number: Disposal Facility Permit Number:	,
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future ser Yes (If yes, please provide the information below) No	
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 G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	С
17. 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 south provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate distingularly considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Just demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	rict office or may be
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure puby 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	lan. Please indicate,
Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Construction/Design Plan of Burial 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 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	.15.17.11 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
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): John Byrom Title: President
Signature. Date: 9/15/08
c-mail address: jbyrom@djsimmons.com Telephone: 505-326-3753
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 3/9/20/2 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 yes, 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
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check 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) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique

* Note test result limit correction in Closure Plan

NAD: 1927 1983

Longitude

On-site Closure Location: Latitude

25.	
Operator Closure Certification:	
	d with this closure report is true, accurate and complete to the best of my knowledge and ble closure requirements and conditions specified in the approved closure plan.
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

Hydrogeologic Report DJ Simmons, Inc Lybrook Federal No. 2 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 transected, by a designated significant ephemeral drainage which is associated with the greater Largo wash watershed. The

drainage is 1250 feet form the Lybrook No. 2 vault.

1st Water Bearing Formation:

San Jose, Tertiary

Formation Thickness: **Underlying Formation:**

Approximately 1,900- feet. Nacimiento, Tertiary

Depth to Groundwater:

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 1.38 miles distance, T23N, R7W, Sec. 10, 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. iWaters 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.

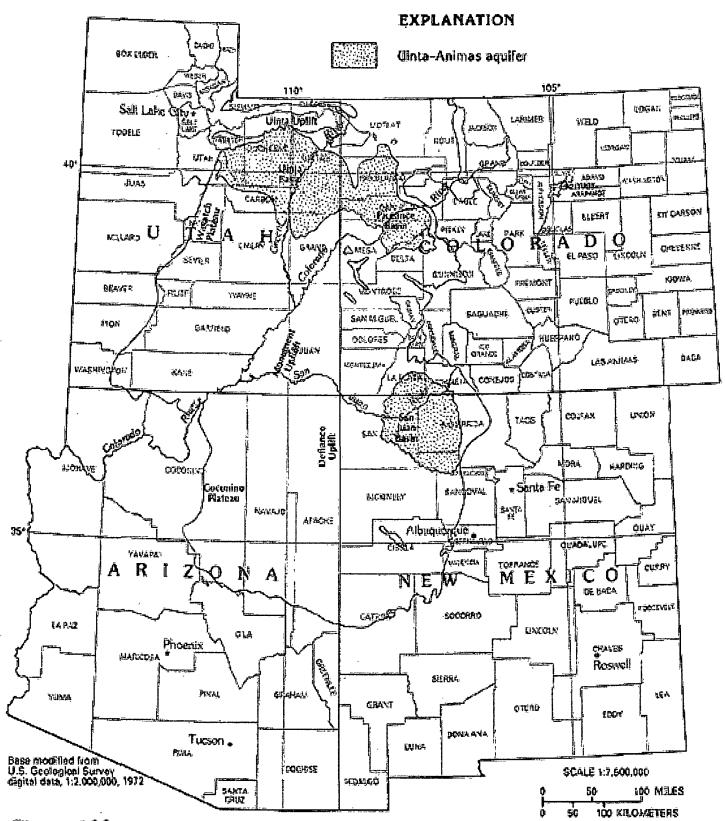


Figure 108. The Uinta-Animas aquifer is the shallowest of the Colorado Flaicaus aquifers and is present in the Uinta. Piceance, and San Juan Basins.

New Mexico Office of the State Engineer POD Reports and Downloads

Township: 23h Range: 07V Sections: 3,4,2,1,5,8,9,10,11,12	
NAD27 X: Y: Zone: Search Radius:	
County: Basin: SJ(San Juan) Number: Suffix:	entretani presidenta.
Owner Name: (First) (Last) C Non-Domestic C Domestic	© All
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report	
POD / SURFACE DATA REPORT 09/15/2008 are 1=NW 2=NE 3=SW 4=SE)	(quarters
(acre ft per annum) are biggest to smallest X Y are in Feet UTM are in Meters) 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 Well Water SJ 01507 MDW 33.4 LYBROOK WATER USERS SJ 01507 Shallow 23N 07W 10 4 3 3 01/09/1971 1709 900	_
New Mexico Office of the State Engineer POD Reports and Downloads	
Township: 23N Range: 07V Sections: 3,4,2,1,5,8,9,10,11,12	
NAD27 X: Y: Zone: Search Radius:	
County: Basin: SJ(San Juan) Number: Suffix:	in martineur attender in philipped
Owner Name: (First) (Last) C Non-Domestic C Domestic	E All
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report	

AVERAGE DEPTH OF WATER REPORT 09/15/2008

Bsn Tws Rng Sec Zone X Y Wells Min Max Avg

1 900

900

900

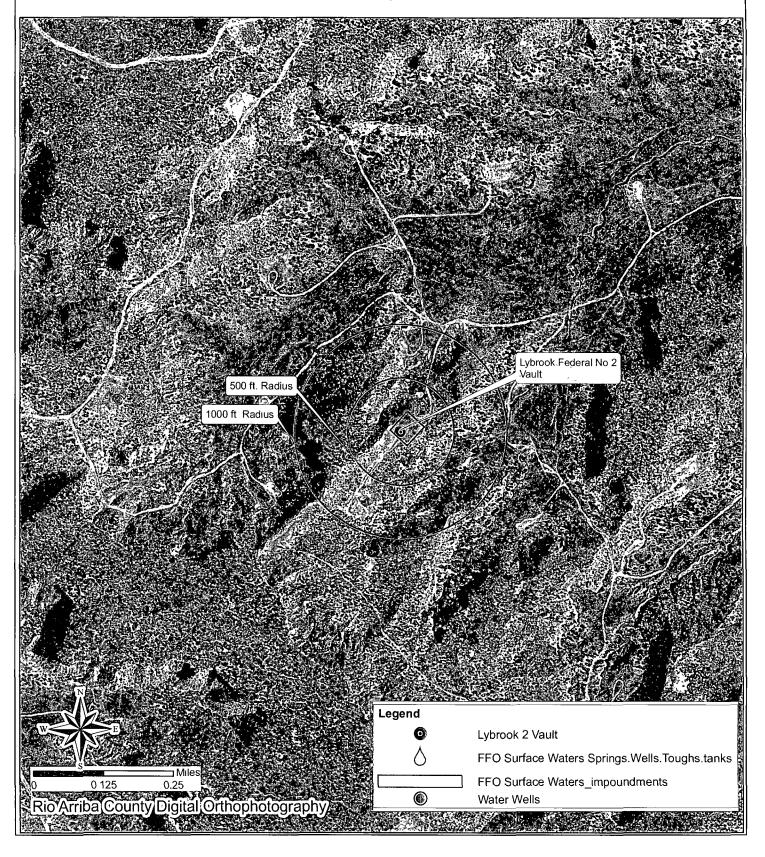
Record Count: 1

New Mexico Office of the State Engineer POD Reports and Downloads

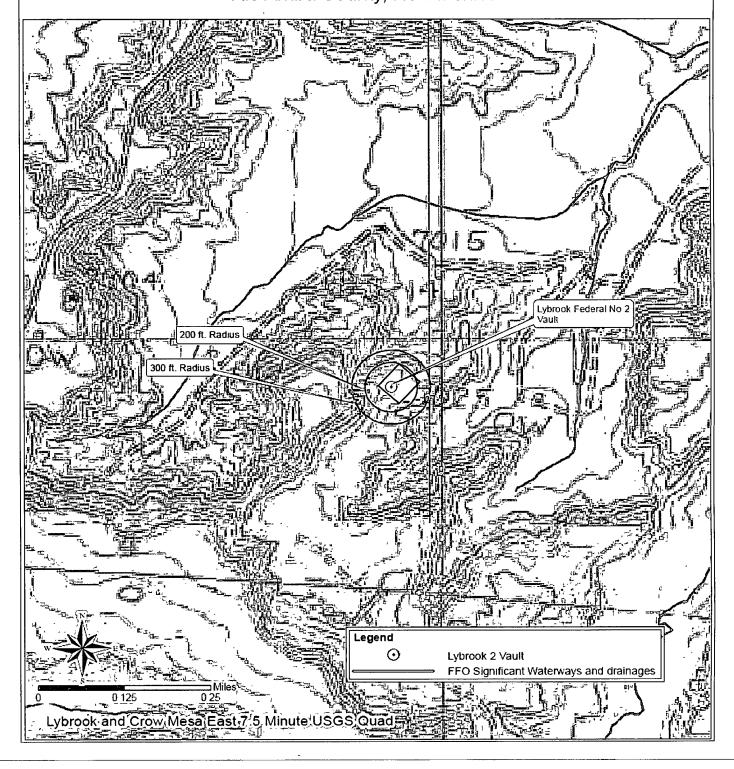
	Townsł	nip: 23N Range	Section	3,4,2,1,5,	8,9,10,11	,12	and a second		
7	NAD27 X:	Y:	Zone:	₩	Searc	ch Radius	3:		
County:		Basin: SJ(San Juan)	▼	Numbe	er:	Suffix:		
Owner Name	e: (First)	(L	ast)	C No	n-Dom	estic 🖺	Domest	ic 🖲 A	11
	POD / Surfa	ce Data Report	Avg Depth to	Water Repor	rtWater	Column	Report		
		W	ATER COLUMN	REPORT 09	/15/20	08			
feet)	· -	s are 1=NW 2 s are bigges		=		Depth	Depth	Water	(in
POD Number SJ 01507	Tws 23N	Rng Sec q q 07W 10 4 3	-	х	Y	Well 1709	Water 900	Column 809	

Record Count: 1

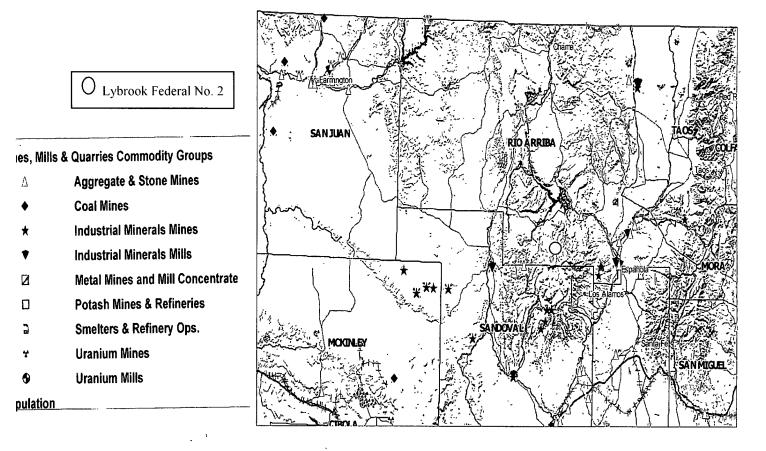
Siting Criteria Map I Existing Known Water Wells and Springs DJ Simmons, Inc Lybrook Federal No. 2 T23N, R07W, Section 04, NMPM Rio Arriba County, New Mexico



Siting Criteria Map II
Topographic Features
DJ Simmons, Inc
Lybrook Federal No. 2
T23N, R07W, Section 04, NMPM
Rio Arriba County, New Mexico



Lybrook Federal No. 2 Mines, Mills and Quarries Web Vicinity Map



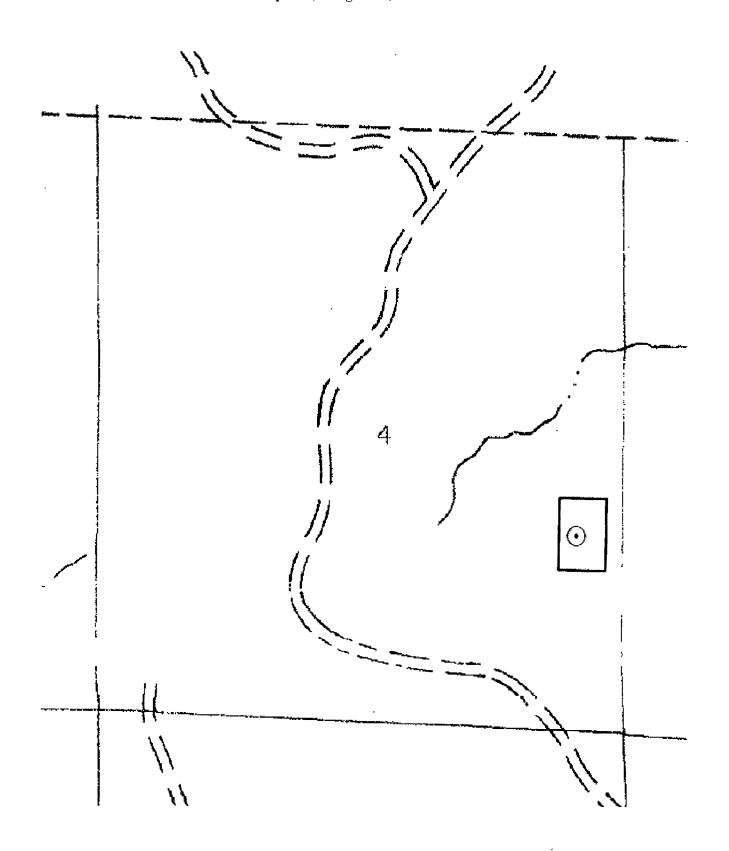


Siting Criteria Compliance Demonstrations:

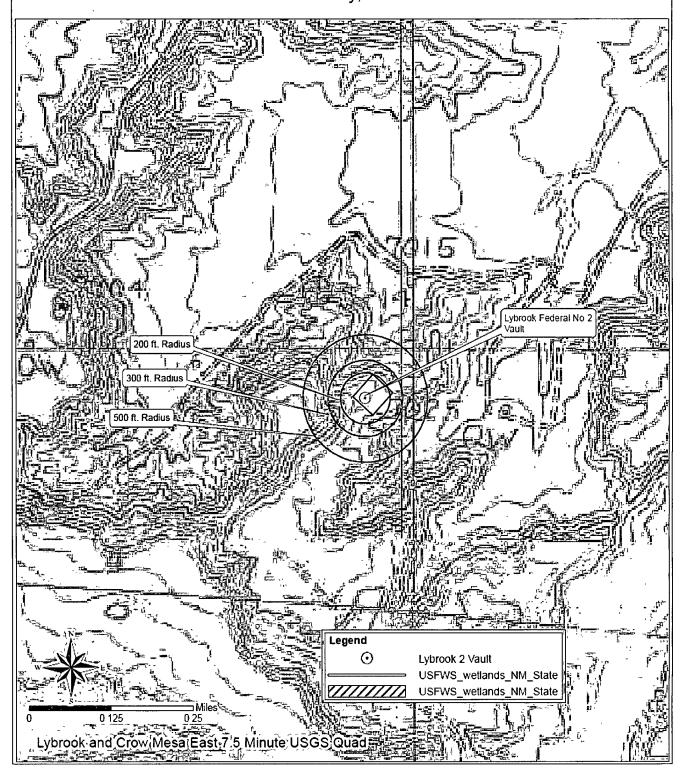
The Lybrook Federal No. 2 well is not located in an unstable area. The location is not situated over a mine or a steep slope. The vault is not located within 300 feet of a continuously flowing water course or within 200 feet of any other significant water course, lakebed, sinkhole, or playa lake (see 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).



Site Proximity
USFWS Reported Wetlands
DJ Simmons, Inc
Lybrook Federal No. 2
T23N, R07W, Section 04, NMPM
Rio Arriba County, New Mexico



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)

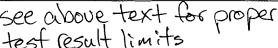
General Requirements:

- 1. DJ Simmons shall close a below-grad tank within the time periods provided in 19.15.17.13 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).
- 7. 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 50mg/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 Tanks

Closure Limits (mg/Kg)
0.2
50
2500
500
1000
be text for proper ult limits
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- 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.
- 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:
 - i. Operator's name (DJ Simmons)
 - ii. Well Name and API Number
 - iii. 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:
 - i. Details on Capping and Covering, where applicable
 - ii. Inspection reports
 - iii. Sampling Results
- 13. Re-contouring of the location would match the original geographic features and topographic fit, lines, form, shape and texture of the surrounding 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 erosion. 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 erosion 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 stipulations 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)