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 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.

2435

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 alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

Please be advised that approval of this request does not relieve the operator of lia	adividual pit, closed-loop system, below-grade tank or alternative request ability should operations result in pollution of surface water, ground water or the ply with any other applicable governmental authority's rules, regulations or ordinances.		
	OGRID #: 22044		
Address:1050 17 th Street, Suite 1800			
	5/2/2008 — Extended to 11/18/2008		
	OCD Permit Number:		
	30NRange13WCounty:San Juan		
Surface Owner: Federal State Private Tribal Trust or Indian			
Pit: Subsection F or G of 19.15.17.11 NMAC	Closed-loop System: Subsection H of 19.15.17.11 NMAC		
Temporary: ☑ Drilling ☐ Workover	Drying Pad Tanks Haul-off Bins Other		
Permanent Emergency Cavitation Steel Pit	Lined Unlined		
☐ Lined ☐ Unlined	Liner type: Thicknessmil		
Liner type: Thickness12mil	Other		
☐ OtherWoven CD12WB ☐ String-Reinforced	Seams: Welded Factory Other		
Seams: ☐ Welded ☒ Factory ☐ Other	Volume:bblyd ³		
Volume:2850bbl	Dimensions: Lengthx Width		
Below-grade tank: Subsection I of 19.15.17.11 NMAC	Fencing: Subsection D of 19.15.17.11 NMAC		
Volume:bbl	☐ Chain link, six feet in height, two strands of barbed wire at top		
Type of fluid:	Four foot height, four strands of barbed wire evenly spaced between one and		
Tank Construction material:	four feet Four Feet -Hog wire- 1 Strand Barbed Wire - top		
Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11 NMAC		
☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	☐ Screen ☐ Netting ☐ Other		
☐ Visible sidewalls and liner	☐ Monthly inspections		
☐ Visible sidewalls only	Signs: Subsection C of 19.15.17.11 NMAC		
Other	☐ 12'x24', 2' lettering, providing Operator's name, site location, and		
Liner type: Thicknessmil HDPE PVC	emergency telephone numbers		
Other	☐ Signed in compliance with 19.15.3.103 NMAC		
Alternative Method:	Administrative Approvals and Exceptions:		
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration	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		
of approval. 123456789707723 RECEIVED RECEIVED NOV 2008	blank: Administrative approval(s): Requests must be submitted to the		
THED BY	appropriate division district or the Santa Fe Environmental Bureau office for		
RECEIVED BY ANY 2008	consideration of approval.		
2000 G	Exception(s): Requests must be submitted to the Santa Fe		

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) - 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 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do 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 □ Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC □ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC □ Closure Plan - 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: or Permit Number: or Permit Number:	cuments are
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 do attached. Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 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 - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC NMAC	19.15.17.9

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 do	ocuments 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	
☐ Critified 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	
Proposed Closure: 19.15.17.13 NMAC	
	7 Altamativa
Type: ☑ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ Permanent Pit ☐ Below-grade Tank ☐ Closed-loop System ☐	Anemative
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 containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the Santa Fe Environmental Bureau for containing the submitted to the submi	acideration)
The state of the s	isideration)
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	
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.	☐ Yes ☒ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
The office of the state Engineer That Eves database search, 6000, But obtained from fically wells	
Ground water is between 50 and 100 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.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa	☐ Yes ☒ No
lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	
1 opographic 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.	☐ Yes ☒ No
- 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	☐ Yes ☐ No
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	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ⊠ No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	
approved common and mannerparity	
Within 500 feet of a wetland.	☐ Yes ☒ No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
Within the area overlying a subsurface mine.	☐ Yes ☒ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	
Within an unstable area.	
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	☐ Yes ☒ No
Society; Topographic map	☐ 1 c2 ☑ 1/0
Within a 100-year floodplain.	☐ Yes ☒ No
- FEMA map	_ _

	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					
☐ Soil Backfill and Cover Design Specifications - based upon the app ☐ Re-vegetation Plan - based upon the appropriate requirements of S					
Site Reclamation Plan - based upon the appropriate requirements of					
Waste Removal Closure For Closed-loop Systems That Utilize Haul-	ff Bins Only: (19.15.17.13.D NMAC) Instructions: Please indentify the facility				
or facilities for the disposal of liquids, drilling fluids and drill cuttings.					
Disposal Facility Name:JFJ Land Farm					
	ach 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. Siting Criteria Compliance Demonstrations - based upon the appro 	priate requirements of 19.15.17.10 NMAC				
Proof of Surface Owner Notice - based upon the appropriate requir	ements of Subsection F of 19.15.17.13 NMAC				
☐ Construction and Design of Burial Trench (if applicable) based up ☐ Protocols and Procedures - based upon the appropriate requiremen					
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirement					
Waste Material Sampling Plan - based upon the appropriate require					
☐ Disposal Facility Name and Permit Number (for liquids, drilling flower Design - based upon the appropriate requirements of Substitution of Substitution (1997).	uids and drill cuttings or in case on-site closure standards cannot be achieved)				
Re-vegetation Plan - based upon the appropriate requirements of S	ubsection I of 19.15.17.13 NMAC				
Site Reclamation Plan - based upon the appropriate requirements of	f Subsection G of 19.15.17.13 NMAC				
Operator Application Certification:					
I hereby certify that the information submitted with this application is tru	e, accurate and complete to the best of my knowledge and belief.				
Name (Print): _Deborah K Powell	Title: Engineering Tech_Supervisor				
Signature: Sehl K Powill					
Signature: Sehl K V owill	Date:7/15/2008re-10/31/2008				
e-mail address: DebbyP@McElvain.com	Telephone: 303-893-0933				
OCD Approval: Permit Application (including closure plan) 🛛 C	osure Plan (only)				
OCD Approval: Permit Application (including closure plan) 🛛 C					
OCD Approval: Permit Application (including closure plan) COOCD Representative Signature:	osure Plan (only) Approval Date:				
OCD Approval: Permit Application (including closure plan) COOD Representative Signature: Prancisco Title: Enviro/spec	osure Plan (only) Approval Date:				
OCD Approval: Permit Application (including closure plan) COOCD Representative Signature:	OCD Permit Number: Section K of 19.15.17.13 NMAC				
OCD Approval: Permit Application (including closure plan) COOCD Representative Signature: Branchase Downer Title: Englisher Closure Report (required within 60 days of closure completion): Substitute Substitut	osure Plan (only) Approval Date:				
OCD Approval: Permit Application (including closure plan) Coord Co	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date:				
OCD Approval: Permit Application (including closure plan) Coord Coord Representative Signature: Branchase Downer Title: Englicolspec Closure Report (required within 60 days of closure completion): Sub-Closure Method:	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Provided Color	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Permit Application (including closure plan) COD Representative Signature (including closure plan) COD Representative Signature (including closure plan) Signature (including cl	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) C OCD Representative Signature: Panalogue Downer Title: Evologue Closure Report (required within 60 days of closure completion): Sufficient Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable)	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) C OCD Representative Signature: Panalogue Downer Title: Evologue Closure Report (required within 60 days of closure completion): Sufficient Sufficient From approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C Title: Full object Closure Report (required within 60 days of closure completion): Sufficient Sufficient From approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C OCD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature: Permit Application (including closure plan) C ON COD Representative Signature Si	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) COOCD Representative Signature: Parameter Down Course Closure Report (required within 60 days of closure completion): Subscript Subscript Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parameter Title: Closure Report (required within 60 days of closure completion): Subscript Subscri	Approval Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parameter Downer Title: Proof of Closure Method: On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	OCD Permit Number: Section K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parallel Double Title: Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation (Photo Documentation) Chosure Closure Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	Approval Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parallel Double Colored Closure Report (required within 60 days of closure completion): Sufficient From approved plan, please explain. Closure Method: On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Operator Closure Certification: I hereby certify that the information and attachments submitted with this of the content of the plan of the	Approval Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parameter Down Course Closure Report (required within 60 days of closure completion): Subscript Su	Approval Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parallel Double Colored Closure Report (required within 60 days of closure completion): Sufficient From approved plan, please explain. Closure Method: On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Operator Closure Certification: I hereby certify that the information and attachments submitted with this of the content of the plan of the	Approval Date:				
OCD Approval: Permit Application (including closure plan) OCD Representative Signature: Parameter Title: Closure Report (required within 60 days of closure completion): Sufficient Sufficient From approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the followark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Operator Closure Certification: I hereby certify that the information and attachments submitted with this belief. I also certify that the closure complies with all applicable closure Name (Print):	Approval Date:				
OCD Approval: Permit Application (including closure plan) COD Representative Signature: Parameter Down Course Closure Report (required within 60 days of closure completion): Subscript Su	Approval Date:				

DISTRICT_1
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease – 4 Copies Fee Lease – 3 Copies

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 1220 South St. Francis Dram: MAY [7 MM 1]: 34 Santa Fe, NM 87505

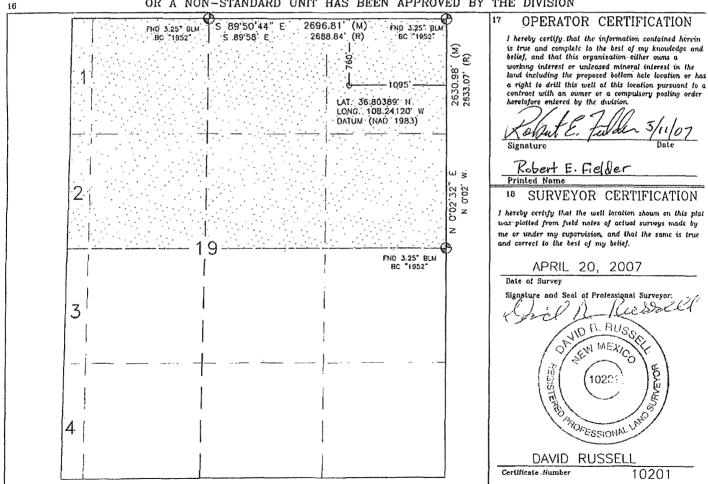
☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number Pool Code Code Pool N				
	71629	AL		
Property Code	6 Property	6 Well Number		
23368	DEWEY			
OGRID No.	⁶ Operator	Name	* Elevation	
22044	McELVAIN OIL AND GA	AS PROPERTIES, INC.	5601'	

Surface Location UL or lot no. Township North/South line East/West line Section Range Lot Idn Feet from the Feet from the County NORTH 19 30N 13W 760' 1095 EAST SAN JUAN ¹¹ Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line Feet from the UL or lot no. Section Township Range East/West line County 14 Consolidation Code 15 Order No 12 Dediented Acres Joint or Infill 259:05 ACRES - N/2

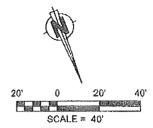
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

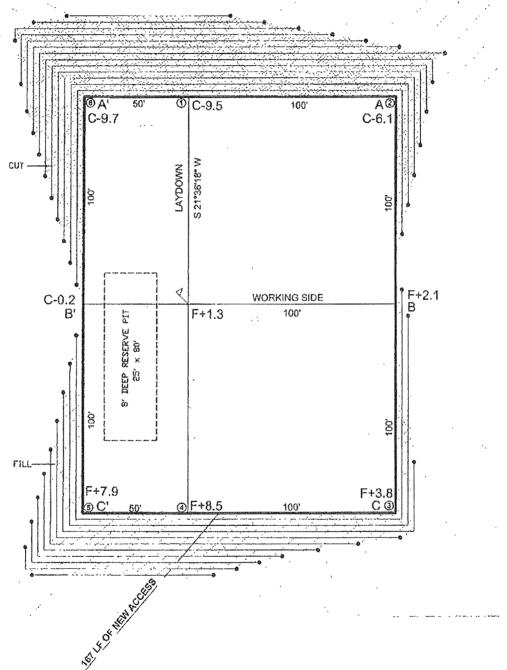


LATITUDE: 36.80389°N LONGITUDE: 108.24120°W DATUM: NAD 83

McELVAIN OIL AND GAS PROPERTIES, INC.

DEWEY #1
760' FNL & 1095' FEL
LOCATED IN THE NE/4 NE/4 OF
SECTION 19, T30N, R13W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 5601', NAVD 88
FINISHED PAD ELEVATION: 5601.8', NAVD 88





1 FOOT CONTOUR INTERVAL SHOWN

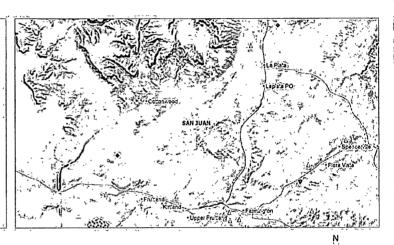
SCALE: 1" = 40' JOB No.: MCLV004 DATE: 04/24/07

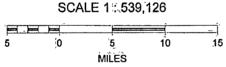


Russell Surveying 1409 W. Aztec Blvd. #5 Aztec, New Mexico 87410 (505) 334-8637 GRR

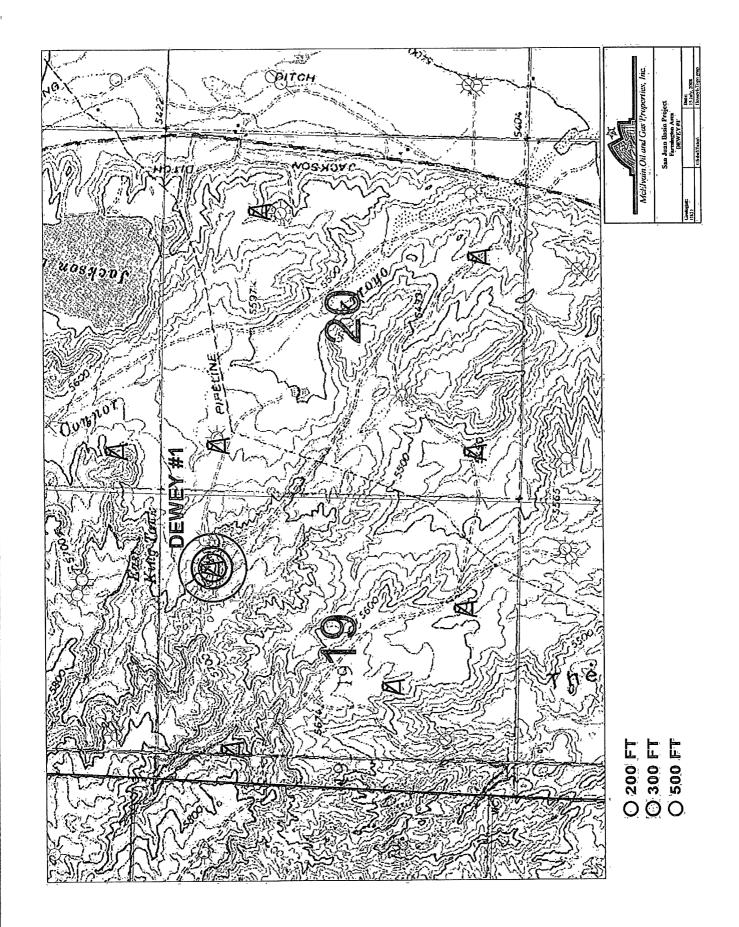
MMQonline Public Version

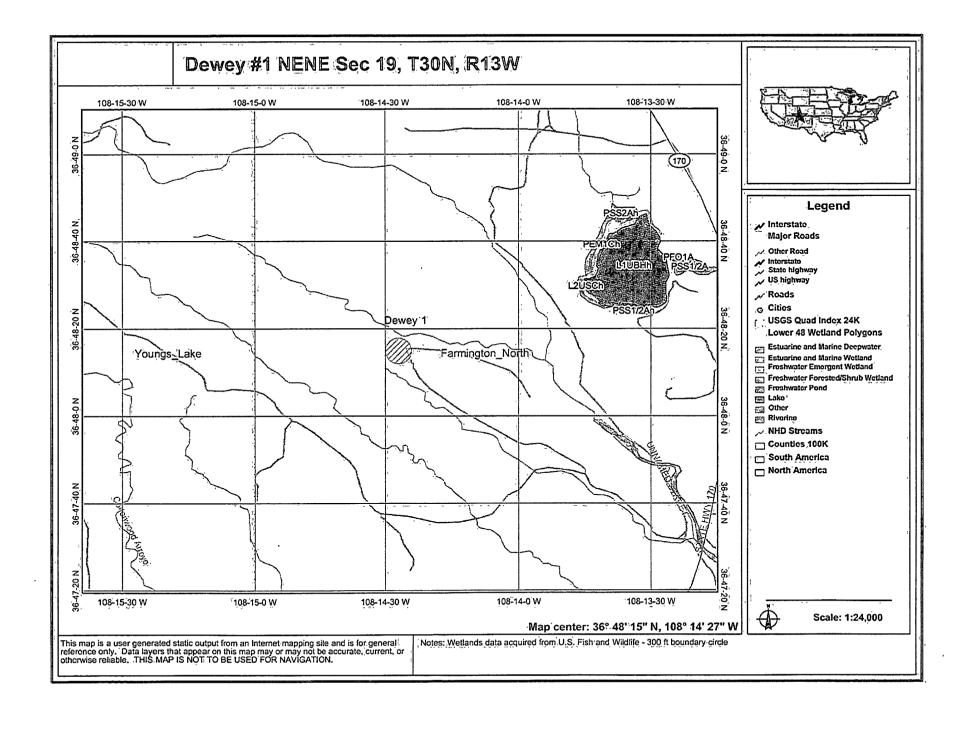
lines, Mill	s & Quarries Commodity Groups
Ϋ́	Aggregate & Stone Mines
. ∲	Cőal Miñes
*	Industrial Minerals Mines
,	Industrial Minerals Mills
	Metal Mines and Mill Concentrate
	Potash Mines & Refineries
à	Smelters & Refinery Ops.
₽ X	Urănlum Mines
4= _	











Hydrogeological Report For

Dewey #1

Surface Formation:

Nacimiento and Animas Formations

Regional and Local Geology

The Tertiary Nacimiento Formation is a fluvial deposit of Paleocene age (Baltz, 1967). The Nacimiento is present at the surface in a wide swath inside the western margin of the basin from the Colorado-New Mexico state line to the south where the exposure area thins along the southern margin of the basin towards the town of Cuba, NM. From Cuba and north along the eastern margin of the basin, the Nacimiento is present at the surface as a very thin outcrop along the Nacimiento Uplift.

Much of the Nacimiento consists of shale, siltstone, and to a lesser extent limited fine- to medium-grained sandstone similar to the Cretaceous rocks of nearby regions and presumably derived by erosion from these rocks (Baltz, 1967). The Nacimiento is mainly composed of beds of clays and silts deposited in a low energy environment such as still or slowly moving water (Brimhall, 1973) or in lake-settings (Fassett, 1974). The Nacimiento's sandstone units were deposited in an environment of small, localized stream beds. Most of the sandstones extend only a few thousand feet. The Nacimiento is a non-resistant unit and typically erodes to low, rounded hills or forms badlands topography (Craigg, 2001). The mudstones display popcorn weathering, characteristic of swelling clays. The slope-forming sediments are made up of poorly-consolidated sandstone, instead of shale as previously thought, possibly attributing a greater percentage of sand to the formation than previously considered (Stone et al., 1983).

The Nacimiento conformably overlies and intertongues with the Tertiary Ojo Alamo Formation in this area. Where buried, the contact of the Nacimiento with the overlying Tertiary San Jose Formation is an erosional and angular unconformity (Fassett, 1974). The Nacimiento grades laterally into into late Cretaceous-early Tertiary Animas Formation in the northern third of the basin (Fassett, 1974). Therefore at this location, the Nacimiento and Animas Formations occupy the same stratigraphic interval.

The late Cretaceous-early Tertiary Animas Formation contains an abundance of material of volcanic origin. It is conglomeratic and characteristically contains boulders and pebbles of andesite in a tuffaceous matrix. The conglomeratic beds are interbedded with variegated shale and sandstone (Fassett, 1974). Less commonly, conglomerate beds contain pebbles of quartz, quartzite and chert (Fassett and Hinds, 1971). The Animas Formation is exposed at the surface only in a narrow belt at the NE margin of the basin and along the La Plata River valley north of Farmington to the Colorado-New Mexico state line.

Hydraulic Properties

Tertiary and Quaternary hydrologic properties, regional flow patterns and water quality do not vary significantly from unit to unit. Where pumping levels and drilling depths are economically feasible and where water quality is suitable, the San Jose, Nacimiento and Animas Formations are a source of water for public-supply, commercial, private-domestic and livestock use. Water in the San Jose, Nacimiento and Animas Formations occurs under both water table and artesian conditions. Recharge to the aquifers is from infiltration of precipitation and stream flow on outcrops, and from vertical upward leakage of water from underlying strata (Levings et al., 1990). Rates of such leakage, however, are very low except in areas of intense fracturing (Stone et al., 1983).

Nacimiento and Animas sandstone "aquifers" are neither generally continuous over large distances nor do they all crop out. They grade laterally into clays and silts (Brimhall, 1973). Transmissivity for the San Jose, Nacimiento and Animas Formations is minimal. A low yield (10 gallons per minute or less) can be expected for Nacimiento and Animas Formations. However, these formations may have relatively high transmissivities in areas of small extent (Stone et al., 1983). Reported or measured discharge from 79 water wells completed in the the San Jose, Nacimiento and/or Animas Formations ranges from 1-61 gallon per minute, median 6 gpm. The specific capacity of 12 of these 79 tests ranges from 0.03 to 2.30 gpm per foot of drawdown (Levings et al., 1990). The aquifers of Tertiary rocks yield water that is

characteristically high in ions of sodium and sulfate. The removal of iron may be required (Stone et al., 1983).

Hydrology

A records search of the NM Office of the State Engineer iWaters database was conducted on a 9-section area centered on the section in which lies the Dewey #1 well location, 30N 13W section 19. In section 17, 7 water wells were located. Average depth of water in these wells is 25', minimum 9'. In section 29, 13 wells were located; average depth of water is 31', minimum 15'. All but one well are domestic/private water wells, the one is commercial. All wells are located no closer than 5000' from the Dewey #1.

Conclusion

Based on topography and iWaters data, water depths in wells are found close to the La Plata River surface elevation. These wells are within 3500' lateral distance of the La Plata River. The Dewey #1 is located approx. 8000' from the La Plata River and 200' above the river's elevation. Considering a semi-horizontal water table, water depth at the Dewey #1 location should be at 200'.

References

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New Mexico Office of the State Engineer POD Reports and Downloads

Township: 30N Range: 13W Sections: 17,18,19,20,29,30
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic C All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form WATERS Menu Help
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WATER COLUMN REPORT 10/27/2008

(đn	arter	s are	e 1=1	NW	2=	NE	3=SW 4=	=SE)							
(qu	arter	s are	big	gge	est	: to	smalle	est)			Depth	Depth	Water	(in	feet)
POD Number	Tws	Rng	Sec	q	q	q	Zone		х	Y	Well	Water	Column		
RG 22431	30N	13W	30	2							100	45	55		
SJ 02943	30N	13W	17	2	1	2					60				
SJ 03029	30N	13W	17	2	2	1					65	45	20		
SJ 03017	30N	13W	17	2	4	2					37	20	17		
SJ 02574	30N	13W	17	2	4	4					26	9	17		
SJ 00262	30N	13W	29	2							38	25	13		
SJ 00868	30N	13W	29	2							49	25	24		
SJ 01357	30N	13W	29	2	2						71	56	15		
SJ 01040	30N	13W	29	2	2						49	20	29		
SJ 03046	30N	13W	29	2	2	4					80	30	50		
SJ 00448	30N	13W	29	4							45	20	25		
SJ 01502	30N	13W	29	4							47	20	27		
SJ 00215	30N	13W	29	4	3						55	35	20		
SJ 02159	30N	13W	29	4	3						40	15	25		
SJ 02754	30N	13W	29	4	4	4					65	65			
SJ 00467	30N	13W	30	4	4						36	21	15		

Record Count: 16

New Mexico Office of the State Engineer POD Reports and Downloads

Township: 30N Range: 14W Sections: 13,24,25
NAD27 X: Zone: Search Radius:
County: Basin: Suffix: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic C All
Avg Depth to Water Report Water Column Report
Clear Form : : (WATERS Menu) Help.
WATER COLUMN REPORT 10/27/2008
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) POD Number Tws Rng Sec q q q Zone X Y Well Water Column

No Records found, try again

McElvain Oil & Gas Properties, Inc. San Juan Basin Temporary Pit Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following procedure describes the closure plan for the McElvain Oil & Gas temporary pit on the Dewey #1 well located in the NENE of Sec 19, T30N, 13W.

Closure Requirements:

- 1. The temporary pit will be closed in place by on-site burial prior to the pit extension closure date of November 18, 2008 as granted by the NMOCD.
- 2. The NMOCD district office will be notified at least 72 hours but no greater than one week in advance prior to on-site closure. Notice will include operator name, API number, and location (unit letter, section, township, and range).
- 3. The surface owner will be provided with the proposal by certified mail for the on-site closure procedure. Proof of notice will be attached to permit application. Also, proof of closure notice will be provided by certified mail to surface owner after closure. Proof of closure notice will be attached to final closure report.
- 4. All liquids will be removed from the proprior to closure and the liquids disposed of at the Basin and/or Agua Moss disposal facilities.
- 5. Remove all fluids from temporary pit within 30 days and close before November 18, 2008 pit extension closure date.
- 6. Air dry pit contents and stabilize or solidify to a load bearing capacity sufficient to support the temporary pit's final cover.
- 7. A minimum five point composite sample of the pit contents will be analyzed for benzene, the GRO and DRO combined faction, BTEX, TPH, and chlorides to demonstrate that the levels do not exceed the standards as specified in 19.15.17.13 F(2)(c) or the background concentration, whichever is greater.

Components	Test Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8031B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	1000/500

- 8. Other methods if the standards in 19.15.17.9.B can not be met will include stabilization of pit contents by mixing a ratio of 3:1 with un-contaminated soil or other material. A second five point, composite sample will be taken after treatment to demonstrate that the contents do not exceed the standards. If the second soil analysis does not meet the standards, the operator will close the temporary pit using the waste excavation and removal method.
- 9. The pit liner will be cut off at the solids level, removed, and transported to a NMOCD approved disposal facility.
- 10. Stockpiled sub-surface soil will be used to backfill the pit and the well pad recontoured so that it blends with the surrounding topography. A minimum of four feet of compacted, non-waste containing, earther material will be used as backfill.
- 11. Stockpiled surface soil will be used as cover over the backfilled pit and the well pad areas no longer needed for production operations. The soil cover will include either the background thickness of top soil or one foot of suitable material to establish vegetation at the site whichever is greater.
- 12. The area will be re-seeded to comply with Subsections G, H, and I of 19.15.17.13 NMAC. Re-seeding will be repeated until 70% of the native natural cover is achieved and maintained for two consecutive growing seasons. The seeding method will be contiled to two consecutive prossible.
- 13. The NMOCD will be notified once successing exceptation has been achieved.
- 14. A steel marker will be set at the center of the on-site burlal following the pit closure. The marker will be 24" X 24" and will have the operator name, lease name, well number, location (UL, Sec., Twp., and Rge) and will designate "on-site burlal location" lettering welded on the top side with a 4" threaded collar welded to the bottom side. The marker will be set at ground level and attached to a 4" diameter pipe that is cemented in a hole three feet deep. When the well is abandoned, a 4" diameter steel market extending 4' above ground level will be welded to the pipe anchored in cement below the surface. The riser will have lettering welded on the side showing operator name, well number, location (US, Sec., Twp., Rge.) and that it designates an on-site burlal location.
- 15. The closure report will be submitted within 60 days of closing and a deed notice filed with the appropriate county clerk where the on-site burial occurs.
- 16. Upon approval the reserve pit will be closed within 60 days from the OCD Approval date.

McElvain Oil & Gas Properties, Inc. San Juan Basin Dig and Haul Pit Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following procedure describes the closure plan for the McElvain Oil & Gas temporary pit on the Dewey #1 well located in the NENE of Sec 19, T30N, 13W.

Closure Requirements:

- 1. All free liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility.
- 2. The NMOCD district office will be notified at least 72 hours but no greater than one week in advance prior to on-site closure. Notice will include operator name, API number, and location (unit letter, section, township, and range).
- 3. The surface owner will be notified of closing of the temporary pit as per the approved closure plan by certified mail, return receipt requested.
- 4. All contents of the temporary pit including the pit liner will be excavated and hauled to the JFJ Land Farm. disposal facility located on CR 3150.
- 5. A minimum five point composite sample from the soil under the pit will be analyzed for benzene, the GRO and DRO combined faction, BTEX, TPH, and chlorides to demonstrate that the levels do not exceed the standards as specified in 19.15.17.13 B(1)(b) or the background concentration, whichever is greater.

Components	Test Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8031B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	1000/500

- 6. Upon testing standards being passed, the pit area will be backfilled with compacted, non-waste containing earthen material. The cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 7. Re-contouring of the location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent

ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface fitting the natural landscape.

- 8. Notification will be sent to the OCD when the reclaimed area is seeded.
- 9. The area will be re-seeded to comply with Subsections G, H, and I of 19.15.17.13 NMAC. Re-seeding will be repeated until 70% of the native natural cover is achieved and maintained for two consecutive growing seasons. The seeding method will be to drill on contour whenever possible.
- 10. The NMOCD will be notified once successful re-vegetation has been achieved.
- 11. A steel marker will be set at the center of the on-site burial following the pit closure. The marker will be 24" X 24" and will have the operator name, lease name, well number, location (UL, Sec., Twp., and Rge) and will designate "on-site burial location" lettering welded on the top side with a 4" threaded collar welded to the bottom side. The marker will be set at ground level and attached to a 4" diameter pipe that is cemented in a hole three feet deep. When the well is abandoned, a 4" diameter steel marker extending 4' above ground level will be welded to the pipe anchored in cement below the surface. The riser will have lettering welded on the side showing operator name, well number, location (US, Sec., Twp., Rge.) and that it designates an on-site burial location.
- 12. Upon approval the reserve pit will be closed within 60 days from the OCD approval date.

Siting Criteria Compliance Demonstrations

The Dewey #1 is not located in an unstable area. The location is not over a mine and is not on the side of a hill. The location of the excavated pit material will be excavated and hauled due to the siting criteria not being met.

McELVAIN OIL & GAS PROPERTIES, INC.

1050 17th Street, Suite 1800 Denver, CO 80265

October 30, 2008

VIA CERTIFIED MAIL- RETURN RECEIPT REQUESTED 7000-1670-0008-8577-2503

Bureau of Land Management 1235 La Plata Highway Farmington, NM 87401

RE: Dewey #1

NENE Sec 19 T30N R13W San Juan County, New Mexico

Dear Landowner,

Pursuant to paragraph 1 (b) of subsection F of 19.15.17.13 NMAC, an operator shall provide the surface owner of the operator's proposal to close the temporary pit on-site in compliance with the dig and haul closure methods specified in the same subsection of the NMAC. In compliance of this requirement, please consider this notification of McElvain's intent to close the temporary pit on the above referenced location.

If you have any questions please contact Ron Millet @ 303-893-0933 ex 375.

Sincerely

Deborah Powell

Engineering Tech Supervisor