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.

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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 Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,								
below-grade tank, or proposed alternative method								
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request								
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.								
I. Operator:McElvain Oil & Gas Properties, Inc OGRID #:22044 ·								
Address:1050 17 th Street , Suite 1800, Denver, CO 80265								
Facility or well name: _KENJI 1								
API Number:30-045-32974 OCD Permit Number:								
U/L or Qtr/QtrB Section17 Township30N Range13W County:SAN JUAN								
Center of Proposed Design: Latitude36.81767 N Longitude108.22549 W NAD: ⊠1927 □ 1983								
Surface Owner: Federal State Private Tribal Trust or Indian Allotment								
2.								
Pit: Subsection F or G of 19.15.17.11 NMAC								
Temporary: Drilling Workover								
Permanent Emergency Cavitation P&A								
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other								
String-Reinforced								
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D								
3. Closed-loop System: Subsection H of 19.15.17.11 NMAC								
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of								
intent)								
□ Drying Pad □ Above Ground Steel Tanks □ Haul-off Bins □ Other □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □								
□ Drying Pad □ Above Ground Steel Tanks □ Haul-off Bins □ Other □ Lined □ Unlined Liner type: Thickness □ mil □ LLDPE □ HDPE □ PVC □ Other □ Description								
Liner Scams: Welded Factory Other								
4.								
Below-grade tank: Subsection I of 19.15.17.11 NMAC								
Volume:95bbl Type of fluid:Water								
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Subsection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls, liner, 6-inch lift Vis								
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off								
☐ Visible sidewalls and liner ☑ Visible sidewalls only ☐ Other								
Liner type: Thicknessmil								
5.								
Alternative Method:								

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

6. 1							
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)							
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital,							
 Institution or church) ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet 							
☐ Alternate. Please specify4' field fence w/top rail	!						
7.							
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)							
☐ Screen ☐ Netting ☑ OtherExpanded Metal							
Monthly inspections (If netting or screening is not physically feasible)							
8.							
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 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 a 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)	☐ Yes ☐ No ☑ NA						
- 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 search; 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 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 19.15.17.12 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: 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)
13. 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 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 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)
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 Instructions: Please indentify the facility or facilities for the disposal of liquids, 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 service and operations? Yes (If yes, please provide the information below) No								
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	e requirements of Subsection H of 19.15.17.13 NMA(of 1 of 19.15.17.13 NMAC	С						
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain siting criteria may required considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	re administrative approval from the appropriate dist. Il Bureau office for consideration of approval. Justi	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; Da	ta obtained from nearby wells	☐ Yes ☐ No ☐ NA						
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; Da	ta 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; Da	ta obtained from nearby wells	☐ Yes ☐ No ☐ NA						
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sillake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	gnificant watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ No						
Within 300 feet from a permanent residence, school, hospital, institution, or churc - Visual inspection (certification) of the proposed site; Aerial photo; Satelli		☐ Yes ☐ No						
Within 500 horizontal feet of a private, domestic fresh water well or spring that le watering purposes, or within 1000 horizontal feet of any other fresh water well or - NM Office of the State Engineer - iWATERS database; Visual inspection	spring, in existence at the time of initial application.	☐ Yes ☐ No						
Within incorporated municipal boundaries or within a defined municipal fresh was adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written appro	-	☐ Yes ☐ No						
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visu	al 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-Minin	g and Mineral Division	☐ Yes ☐ No						
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geolog Society; Topographic map	gy & Mineral Resources; USGS; NM Geological	☐ 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 by a check mark in the box, that the documents are attached. □ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19.1 □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	quirements of 19.15.17.10 NMAC if Subsection F of 19.15.17.13 NMAC ppropriate requirements of 19.15.17.11 NMAC pad) - based upon the appropriate requirements of 19. 5.17.13 NMAC quirements of Subsection F of 19.15.17.13 NMAC if Subsection F of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cann H of 19.15.17.13 NMAC it of 19.15.17.13 NMAC	15.17.11 NMAC						

Form C-144

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): Deborah K Powell Title: _Engineering Tech Supervisor	
Signature: Date: 9-8-08	_
e-mail address:DebbyP@McElvain.com	
20, OCD Approval: Permit Application (including closure plan) (plosure Plan (only) OCD Conditions (see attachment)	
OCD Representative Signature: Approval Date: 4/25/2012_	
Title: Compliance Office 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:	ort.
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.	/)
23. 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:	_
Yes (If yes, please demonstrate compliance to the items below)	
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 chemark 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 Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	ck
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.	
Name (Print): Title:	-
Signature: Date:	-
e-mail address:	[

State of New Mexico Energy. Minerals & Mining Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

-30045-32974 700 18/60 FULCHER MILES POOL Name -30045-32974 7000 18/60 FULCHER MILES PICTURED CLIFFS											
	Property (ode 9/		•	Well Number 2						
2	0GRD No 5575	Elevation 5477									
L						Surfac	• Location				
u	or Lot	Sec	Twp.	Rge.	Lot ldn		North/South	Feet from>	East/	Worl	County
١.	В	17	30 N.	. 13 W.		1045	NORTH	1710]	EΑ	ST .	SAN JUAN
					Batta	Hole Location	If Different	From Surface		<u></u>	
u	. or Lot	Sec.	Тер.	Rge.	Lor lon	Feet from>	North/South	Feet from>	Eget/	West	County
	edication 60	Join	?	Consolidatio	n			Orde	er No.	<u>.</u>	
		NO	ALLOWAR	RLE WILL ASSI OR A NON-	STANDAR	THIS COMPLETE UNIT HAS BE	ON UNTIL ALI	INTERESTS H	AVE E	BEEN CONS	OLIDATED
	\$ 8972	6. W •	265	<u>9</u> . •		S 89 29' W	25/1				
N 0 34' E 5257'				from BLM calculated	36.8	1045. 1111. 1045.	2005	2650:	N 0.47' W • 2626' • N 107' W ••	I hereby contained to the belief. Signature Printed N Title Date SURVI I hereby on this protes of or under some is to finy be bate of Signature Profession	consultant MAR. 19, 2005 EYOR CERTIFICATION certify that the well location lat was plotted from field actual surveys made by me my supervision, and that the rue and correct to the best sief. Survey OI/3I/OS end Gad Hard Do Consultation of the condition of the correct to the best sief.
	N 88	42' E	2680	o calc.	N	89 20' W ••	2630)		Benle	

New Mexico Office of the State Engineer POD Reports and Downloads

Towns	ship: 30N	Range: 13W	Sections:	7,8,9,16,17	7,18,19,20,21	,	
NAD27	X: -	Y:	Zone:		Search Radius	3: ¹	
County:	Basir	SJ(San Juan)	· I	Num	ber:	Suffix:	
Owner Name: (First	t) _.	(Last)		, Ø	Non-Domestic	Domestic	All
POD/ Surface	Pata Report	Avg	Depth to Wa	iter Report	Wate	er Column Repor	t wy,
	Y r r	Clear Form	// iWATERS	Menu	Help		

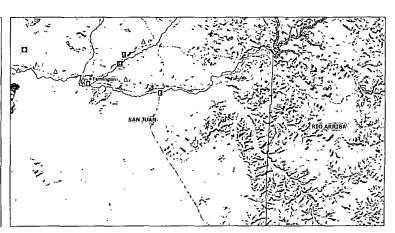
WATER COLUMN REPORT 08/25/2008

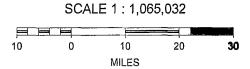
	· -						3=SW 4=SE smallest			Depth	Depth	Water	(in
POD Number	Tws		Sec				Zone	×	Y	Well	Water	Column	`
SJ 01101	30N	13W		1	_	_				41	26	15	
SJ 03326	30N	13W	08	1	3	3				55	30	25	
SJ 00293	30N	13W	80	2						50	30	20	
SJ 00328	30N	13W	08	2						33	21	12	
SJ 02268	30N	13W	80	2						30	21	9	
SJ 01463	30N	13W	80	2						52	30	22	
SJ 00877	30N	13W	80	2						60	30	30	
SJ 01068	30N	13W	08	2	1					53	28	25	
SJ 00855	30N	13W	80	2	1					50	25	25	
SJ 02326	30N	13W	80	2	1	3				42	35	7	
SJ 02735	30N	13W	08	2	3	4				43	23	20	
SJ 00587	30N	13W	80	3	4	2				72	48	24	
SJ 03328	30N	13W	08	4	1	1				60			
SJ 03195	30N	13W	08	4	1	1				60	35	25	
SJ 03196	30N	13W	80	4	1	2				41	20	21	
SJ 03160	30N	13W	80	4	1	4				60	8	52	
SJ 00374	30N	13W	80	4	2						56		
SJ 02919	30N	13W	80	4	3	4				45			
SJ 02396	30N	13W	80	4	4					30	10	20	
SJ 02397	30N	13W	80	4	4					31	15	16	
SJ 02823	30N	13W	80	4	4	3				40			
SJ 02787	30N	13W	09	1	3	1				235	140	95	
SJ 00818	30N	13W	09	3	1					130	32	98	
SJ 02725	30N	13W	09	3	1	1				110	100	10	
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	

Record Count: 28

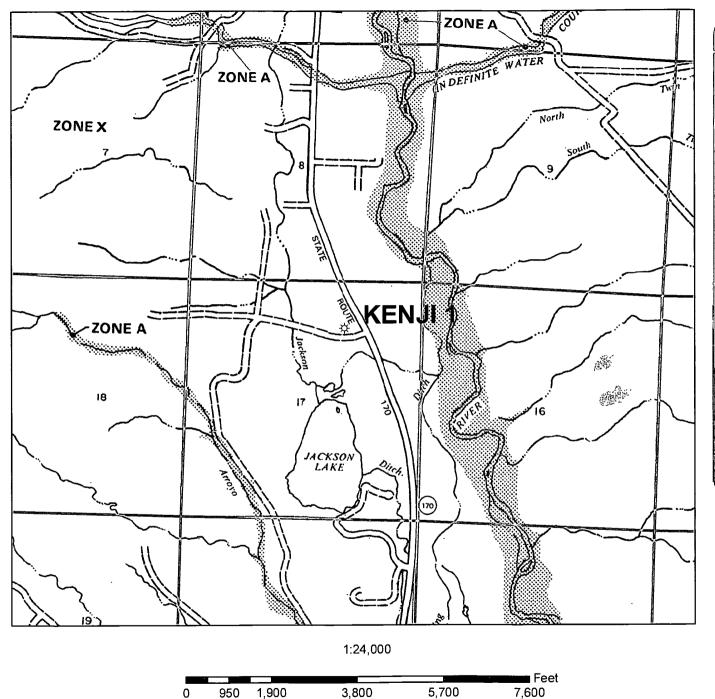
San Juan Mines, Mills And Quarries Web Map

Mines, Mills & Quarries Commodity Groups								
Δ Aggregate & Stone Mines								
♦ Coal Mines								
*	Industrial Minerals Mines							
•	Industrial Minerals Mills							
Ø	Metal Mines and Mill Concentrate							
	Potash Mines & Refineries							
	Smelters & Refinery Ops.							
*	Hranium Minas							

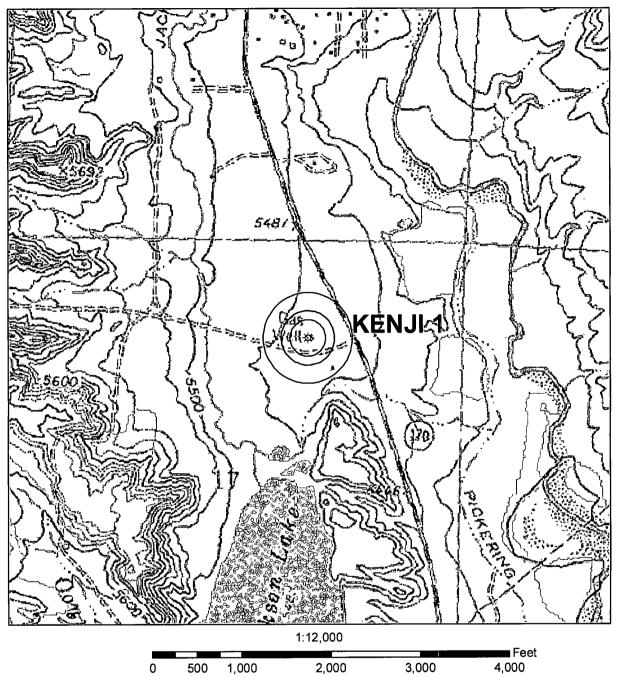












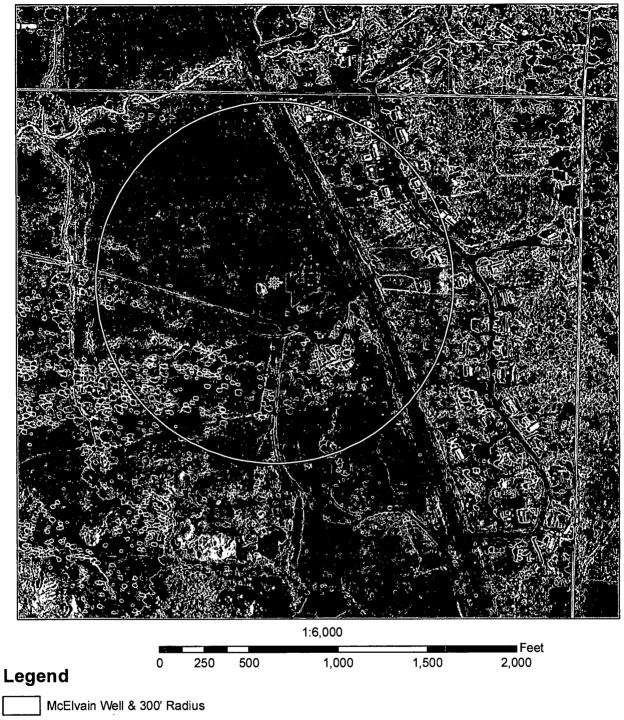
Legend

McElvain Well & 200' Radius

McElvain Well & 300' Radius

McElvain Well & 500' Radius

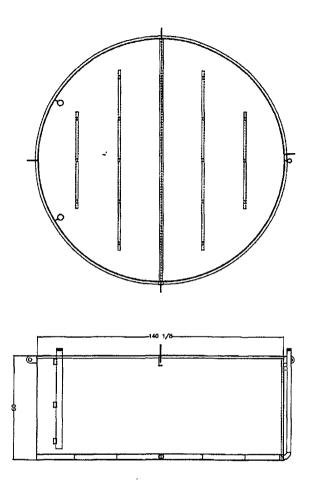
Source: USGS 1:24,000 Scale Topographic Map Series San Juan Basin New Mexico Township 30N 13W Section 17



McElvain Well & 1000' Radius

Aerial Source: NM Resource Geographic Information System Program made available by the University of New Mexico and the State of New Mexico 2005-2006 vintage Digital Orthophoto Quarter-Quadrangles were derived from the New Mexico Statewide Orthophotography Project. Source imagery flown at 35,000' above average ground.

San Juan Basin **New Mexico** Township 30N 13W Section 17



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Kenji #1

Siting Criteria Compliance Demonstrations

The Kenji #1 well 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 is not located within 300' of any continuously flowing watercourse or 200' from any other water course.

McElvain Oil & Gas Properties, Inc. San Juan Basin Below Grade Tank Design and Construction

In accordance with Rule 19.15.17 NMAC the following describes the as-built construction of the Below Grade Tank on the McElvain Oil & Gas Properties, Inc (MOG) Kenji #1 well located in the NWNE of Sec 17, T30N, 13W.

As-built Installation:

- 1. The existing tank pit consists of an approximate 15 foot by 2 foot metal shored hole into which a 12 foot by 5 foot double bottom, single wall 95 bbl tank with leak detection is installed.
- 2. The tank walls are open for visual inspection to identify the occurrence of leaks.
- 3. There is an expanded metal covering on the top of the below grade tank.
- 4. The tank pit is surrounded by a 30ft X 30ft X 2ft berm that is contained within a 50 ft X 140 ft berm that encloses the tank battery to prevent overflow or surface water run-on.
- 5. A general location sign is displayed on site.
- 6. The pit tank is fenced with 4 foot field fence with a top rail.

McElvain Oil & Gas Properties, Inc. San Juan Basin Below Grade Tank Maintenance and Operating Plan

In accordance with Rule 19.15.17 NMAC the following describes the below grade tank operation and maintenance plan for the McElvain Oil & Gas Properties, Inc (MOG) on the Kenji #1 well located in the NWNE of Sec 17, T30N, 13W.

General Plan:

- 1. MOG shall operate and maintain the below grade tank to contain liquids and solids and prevent contamination of fresh water to protect the public health and environment.
- 2. MOG shall not allow a below grade tank to overflow or allow surface water run-on to enter the below grade tank.
- 3. MOG shall continuously remove any visible or measurable layer of oil from the fluid surface of a below grade tank in an effort to prevent significant accumulation of oil over time.
- 4. MOG shall inspect the below grade tank monthly and maintain a written record of each inspection for five years.
- 5. MOG shall maintain adequate freeboard to prevent overtopping of the below grade tank.

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

In accordance with Rule 19.15.17.1 NMAC the following procedure describes the closure plan for the McElvain Oil & Gas Properties, Inc (MOG) below grade tank on the Elk Com 34 #2 well located in the SWSE of Sec 34, T26N, 2W.

Closure Requirements:

- 1. MOG shall close the below grade tank within the time periods provided in 19.15.17.13 NMAC or by an earlier date that the division requires because of imminent danger to fresh water, public health, or the environment.
- 2. MOG shall close an existing below grade tank that does not meet the requirements of Paragraph (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008 if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
- 3. MOG shall close a permitted below grade tank within 60 days of cessation of the below ground 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 will be filed on C-144.
- 4. All liquids will be removed from the temporary permit prior to closure and the liquids disposed of in a division approved facility.
- 5. MOG shall remove the below grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.
- 6. MOG will remove any on-site equipment associated with the below grade tank unless the equipment is required for some other purpose.
- 7. MOG shall test the soils beneath the below grade tank to determine whether a release has occurred. MOG shall collect a five point composite sample and individual grab samples from any area that is wet, discolored, or showing other evidence of a release. The samples will be analyzed for BTEX, TPH, and chlorides to demonstrate that the benzene concentration as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration as determined by EPA method 418.1 or other EPA method that the division approves does not exceed 100 mg/kg; and the chloride concentration as determined by EPA

- method 300.1 or other EPA method that the division approves does not exceed 250 mg/kg or the background concentration, whichever is greater. MOG shall notify the division of its results on form C-141.
- 8. If MOG or the division determines that a release has occurred, then MOG shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC as appropriate.
- 9. If contamination is confirmed by field sampling. MOG will follow the Guidelines For Remediation Of Leaks, Spills, and Releases NMOCD August 1993 when remediating identified contaminants.
- 10. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then MOG 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 hours and one week of closure via email or verbally. The notification of closure will include the following:
 - · Operator's name
 - · Location by Unit Letter, Section Township, and Range.
 - · Well name and API number
- 12. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the blow grade tank. The closure report will be filed on C-144 and incorporate the following:
 - · Details on capping and covering where applicable
 - · Inspection reports
 - · Sampling results
- 13. The site will be re-contoured to match the surrounding area. Natural drainages will be unimpeded and erosion control will be utilized where necessary.
- 14. MOG shall seed the disturbed areas the first growing season with a division approved seed mixture after pit closure. Seeding will be accomplished by drilling on the contour whenever possible or by other division approved methods. Repeat seeding or planting will be continued until successful vegetative growth occurs.
- 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 thickness of the topsoil native to the area, whichever is greater.

16. The surface owner shall be notified of MOG's closing of the below grade tank as per the approved closure plan using certified mail with return receipt requested.

Hydrogeological Report For

Kenji #1

Surface Formation:

Quaternary Alluvium

Regional and Local Geology

Quaternary deposits are unconsolidated Holocene to upper Pleistocene alluvial (valley-fill and terrace) deposits made up of gravel, sand, silt and clay. All drainage ways in the San Juan Basin contain alluvial valley fill. The valleys of the San Juan River and its tributaries contain extensive terrace deposits. Valley fill (Quaternary sediments) in the San Juan River valley does not exceed 100 feet in thickness. Quaternary terrace deposits are boulder gravel resting on benches cut into the Tertiary bedrock units. The boulders do not exceed 12 inches in diameter, are very well rounded and consist of various igneous and metamorphic rock types. Maximum thickness of Quaternary terrace deposits is about 30 feet. The Quaternary sediments form a disconformable contact with all underlying units. Much of the water in the valley fill of the San Juan, Animas and La Plata River valleys comes from drainage of irrigated lands and some from underlying and adjacent bedrock units (Stone et al., 1983).

Hydraulic Properties

There are limited fresh water quantities in Quaternary alluvium (Stone et al., 1983). Irrigation drainage and underlying source rock water contributions can affect water quality in Quaternary sediments because of their relatively high dissolved solids concentrations. Much of the water in the valley fill ultimately reaches the rivers and contributes to their dissolved solids concentrations, as well. Average water quality in the Animas river valley sediments is approximately 1500 μ mhos and approximately 2500 μ mhos in the San Juan and La Plata river valley deposits. Transmissivity ranges from less than 1000 ft²/d to over 15,000 ft²/d (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 Kenji #1 well location, 30N 13W section 17. In section 17, 7 water wells were located. Average depth of water in these wells is 25', minimum 9'. The closest water well, a domestic household well, to the Kenji #1 with depth-to-water data is found 1220' east of the Kenji #1, and a little over 1000' west of the La Plata River. Depth to water in the water well is reported at 20'. This depth to water is within 10' of the elevation of the river surface.

Conclusion

Based on topography and iWaters data, water depths in wells in the immediate area are found close to the La Plata River surface elevation. The Kenji #1 is located 65' above the river's elevation. Considering a semi-horizontal water table, water depth at the Kenji #1 location should be at 65'.

References

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Scholle, P.A., 2003, Geologic Map of New Mexico 1:500,000, NM Bureau of Geology and Mineral Resources, published in cooperation with the USGS, 2 sheets.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6, 70p.

BGT Closure Sampling Required by NMOCD Components Method

Components	Method	Limit
Benzene	EPA SW-846 8021B or 8260B	0.2 mg/Kg
BTEX	EPA SW-846 8021B or 8260B	50 mg/Kg
TPH	EPA SW-846 418.1	100 mg/Kg
Chlorides	EPA 300.1	250 mg/Kg