District I 1625 N. French Dr., Hobbs, NM 88240 District II
1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 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

Proposed Alternative Method	Permit or Closure Plan Application
	ystem, below-grade tank, or proposed alternative method system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per in	dividual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of lia	
Operator: PARAWON OPERATING LLC	"·
Address: <u>c/oMike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401</u>	
API Number: OCD Permit N	· ·
U/L or Qtr/Qtr B Section 10 Township 30	
Center of Proposed Design: Latitude 36.83260 N Longitude	
Surface Owner: Federal State Private Tribal Trust or Indian	Allotment
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: Thickness mil
Liner type: Thickness 20 mil LLDPE HDPE PVC	☐ Other
Other String-Reinforced	Seams: Welded Factory Other
Seams: Welded Factory Other	Volume:bblyd³
Volume: <u>975</u> bbl Dimensions: L <u>70'</u> x W <u>13'</u> x D <u>6'</u>	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
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: Thickness mil 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.
of approval.	Please check a box if one or more of the following is requested, if not leave
	blank;
	Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for
	consideration of approval.
	Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of	,
acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-	
loop system.	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☑ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ⊠ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits)	☐ Yes ☑ No ☐ NA
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes 🗹 No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes 🗹 No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes 🖾 No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes 🛛 No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☑ No
Within a 100-year floodplain FEMA map	☐ Yes ☑ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9	NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the a	locuments 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. 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 - based upon the appropriate requirements of Subsection C of 19.15.17.19 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	locuments are
attached. Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B o 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	f 19.15.17.9
NMAC	
Previously Approved Design (attach copy of design) API Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are						
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 19.15.17.10 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.11 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 Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Proposed Closure: 19.15.17.13 NMAC						
Type: Drilling Workover Emergency Cavitation 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 Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for control of the Santa Fe Environmental Bureau						
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. - NM Office of the State Engineer - iWATERS database search; USGS; Data 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; Data obtained from nearby wells	☐ Yes ☐ No 図 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					
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					

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) I	nstructions: 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 dr	rill cuttings)						
Soil Backfill and Cover Design Specifications - based upon the appropriate re	equirements of Subsec	tion H of 19.15.17.13 NMAC					
Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	1 of 19.15.17.13 NMA	IC IMAC					
Waste Removal Closure For Closed-loop Systems That Utilize Haul-off Bins On	<u>ıly</u> : (19.15.17.13.D N	MAC) Instructions: Please indentify the facility					
or facilities for the disposal of liquids, drilling fluids and drill cuttings.	Dismosal Facility Dam	and Maria bour					
Disposal Facility Name: On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the		mit Number:					
by a check mark in the box, that the documents are attached.	e jouowing items mus	t be attached to the closure plan. Fleuse indicate,					
Siting Criteria Compliance Demonstrations - based upon the appropriate requ	uirements of 19.15.17.	10 NMAC					
Proof of Surface Owner Notice - based upon the appropriate requirements of	Subsection F of 19.15	5.17.13 NMAC					
Construction and Design of Burial Trench (if applicable) based upon the app		of 19.15.17.11 NMAC					
 Protocols and Procedures - based upon the appropriate requirements of 19.15 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements. 	uirements of Subsectic	on 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 d							
 Soil Cover Design - based upon the appropriate requirements of Subsection I Re-vegetation Plan - based upon the appropriate requirements of Subsection 							
Site Reclamation Plan - based upon the appropriate requirements of Subsection	on G of 19.15.17.13 N	IMAC					
Operator Application Certification:							
I hereby certify that the information submitted with this application is true, accurate	e and complete to the l	hest of my knowledge and helief					
Name (Print): Mike Pippin	Title:	Petroleum Engineer					
Signature: Mile Lyppin	.	= (4.4.00					
Signature: The Signature:	Date:	7/11/08					
		/					
e-mail address: mike@ninninllc.com	Telephone:	505-327-4573					
e-mail address: mike@pippinllc.com		505-327-4573					
OCD Approval: Permit Application (including closure plan) Closure Plan	n (only)						
OCD Approval: Permit Application (including closure plan) Closure Plan	n (only)						
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Brandon Family	n (only)						
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OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Brandon Fundle Title: Enviro 15pec	n (only) OCD Permit Numbe	Approval Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Brandon Family	n (only) OCD Permit Numbe	Approval Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Family Title: Emiro / Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method:	OCD Permit Numbe of 19.15.17.13 NMAG	Approval Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Family Title: Emiro / Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Waste Excavation and Removal On-Site Closure Method Alternation	OCD Permit Numbe of 19.15.17.13 NMAG	Approval Date:					
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OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Presentative Signature: Presentative Signature: Plan Title: Enviro Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item	OCD Permit Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Purple Title: Enviro Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Glosure Method: Glosure Report Attachment Checklist: Instructions: Each of the following item mark in the box, that the documents are attached.	OCD Permit Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Fundamental Closure Plan Title: Evolution / Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark in the box, that the documents are attached. Proof of Closure Notice	OCD Permit Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Fundamental Fund	OCD Permit Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Fundamental Closure Plan Title: Ewico Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Waste Excavation and Removal On-Site Closure Method Alternati If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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 Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Fundamental Subsection Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Waste Excavation and Removal On-Site Closure Method Alternati If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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	OCD Permit Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Fundamental Closure Plan Title: Following item Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Waste Excavation and Removal On-Site Closure Method Alternati If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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 Numbe of 19.15.17.13 NMAG Closure Complete ve Closure Method	Approval Date: 7-16-08 r: cetion Date:					
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OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Paradon Paradon Plan Title: Emiro Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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)	OCD Permit Numbe of 19.15.17.13 NMAG Closure Comple ve Closure Method as must be attached to	Approval Date:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Provide Completion Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Waste Excavation and Removal On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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 Longitude	OCD Permit Numbe of 19.15.17.13 NMAG Closure Comple ve Closure Method as must be attached to	Approval Date: 7-16-08 r: cetion Date:					
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OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Provided Plan Title: Emiro Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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 Longitus Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure region.	OCD Permit Number of 19.15.17.13 NMAG Closure Complete Closure Method as must be attached to de	Approval Date: 7-16-08 r:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Provided Closure Completion Closure Report (required within 60 days of closure completion): Subsection K Closure Report (required within 60 days of closure completion): Subsection K Closure Method: Waste Excavation and Removal On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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 Longitue Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure reposition. I also certify that the closure complies with all applicable closure requirements.	OCD Permit Number of 19.15.17.13 NMAG Closure Complete Co	Approval Date: 7-16-08 r:					
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature: Provided Plan Title: Emiro Spec Closure Report (required within 60 days of closure completion): Subsection K Closure Method: On-Site Closure Method Alternation If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following item mark 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 Longitus Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure region.	OCD Permit Number of 19.15.17.13 NMAG Closure Complete Co	Approval Date: 7-16-08 r:					
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DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santo Fe, NM 87505

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

Certificate Number

State Lease - 4 Copies

Fee Lease - 3 Copies

C AMENDED DEDOOT

1220 South St. Fro	ancis Dr., S	anta Fe, NM 87	7505							L	J AMEN	ADED REPORT
		٧	VELL L	OCATIO	N AND	AC	REAGE DEDI	CAT	ION PL	.AT		
¹ API	Number		3	² Pool Code 287	0	,	HORSES	HO	³ Pool Name		241	9
*Property Co	ode				5Prop	perty No	ame				o M	lell Number
30020	41				NE HO							73
	_			_	•	rator N					9	Elevation
2254	65			P	ARAWON (OPERA	ATING LLC					5563'
					10 Surf	ace	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	į	North/South line	Feet	from the	East/We	st line	County
В	10	30-N	16-W	L	1215		NORTH	1	960	EA	ST	SAN JUAN
			11 Bott	om Hole	Locati	ion l	f Different Fro	om S	Surface			
UL or lot no.	Section	Township	Ronge	Lot Idn	Feet from	the	North/South line	Feet	from the	East/We	st line	County
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WELL PAD DIAGRAM

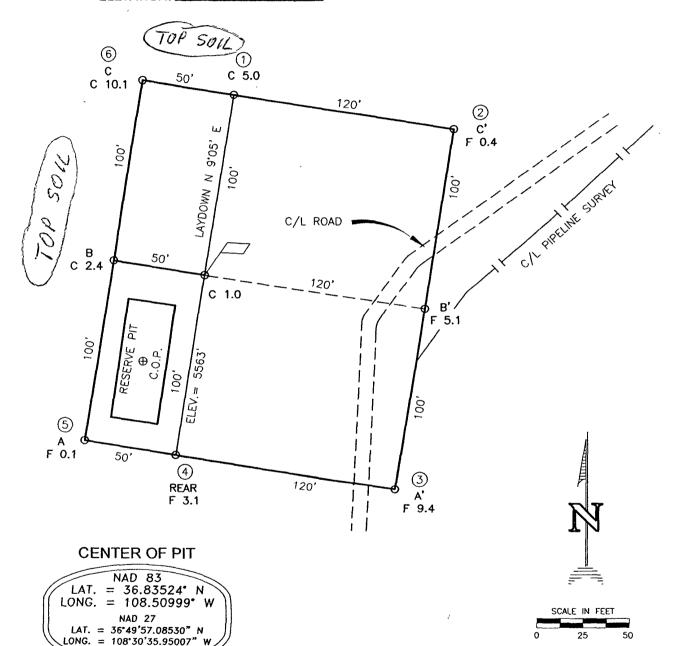
COMPANY: PARAWON OPERATING LLC

LEASE: NE HOGBACK UNIT No. 73

FOOTAGE: 1215 FNL 1960 FEL

SEC.: 10 TWN: 30-N RNG: 16-W NMPM

ELEVATION: 5563'



NOTE:

DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

REF. DWG. PARO01_CF WELL PAD CROSS SECTION

REVISION:	DATE:	REVISED BY
ADD C.O.P.	07/09/08	B.K.
LOCATION RESTAKE	6/13/08	G.V.



Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 -Farmington, NM 87499 Phone (505) 326–1772 - Fax (505) 326–6019 NEW MEXICO L.S. 8894

DRAWN	BY:	G.V.	CADFILE:	PARO01	_PL8
ROW ∮ :	PA	R001	DATE:	3/31/08	

WELL PAD CROSS-SECTIONAL DIAGRAM PARAWON OPERATING LLC COMPANY: ____ NE HOGBACK UNIT No 73 LEASE: ____ 1215 FNL 1960 FEL FOOTAGE: _____ SEC.: 10 TWN: 30-N RNG: 16-W NMPM ELEVATION: 5563' NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. ELEV. A-A' C/L ELEV. B-B' C/L Daggett Enterprises, Inc. Surveying and Oil Fleid Services P. O. Bax Sto Farmington, NM 87489 Phone (305) 326-1772 · Fax (305) 326-6019 NEW MEXICO L.S. 8894 ELEV. C-C' C/L WELL PAR001

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PARAWON OPERATING LLC NE HOGBACK UNIT #73

1215' FNL, 1960' FEL H Sec. 10 T30N R16W San Juan County, NM

HYDROGEOLOGICAL REPORT

The subject well is located about one mile west of the Hogback monocline west of Farmington. The Point Lookout member of the Mesaverde group forms the land surface over much of the NE Hogback Unit and the subject well. It overlies the Mancos Shale, which for the most part has very little or no permeability until the Gallup sandstones of the producing formation are encountered. Therefore, a water table in the classical sense does not exist in the area of this well. According to the State Engineer's office, there are no water wells within 1000 feet of the proposed well.

The Point Lookout Sandstone, lowest unit in the classical Mesaverde Group, dips toward the basin center to a maximum depth of 6,400 ft.

GEOLOGIC CHARACTERISTICS: This coastal marine sandstone was named by Collier (1919) for exposures on the prominent topographic feature of that name in Mesa Verde National Park, southwest Colorado. The Point Lookout is well exposed in The Hogback monocline west of Farmington. The sandstone is a very fine to medium-grained, immature to submature, lithic arkose to arkose. Thickness of the Point Lookout ranges from 40 to 415 ft. The Point Lookout lies conformably on the Mancos Shale. The contact is marked by a change from shale to an interval of interbedded mudstone and sandstone in the lower part of the Point Lookout.

HYDROLOGIC PROPERTIES: The potentiometric surface of ground water in the Point Lookout is shown in fig. 41 (sheet6, pocket). Aquifer test data are sparse. A test by Dames and Moore (1977) northeast of Crownpoint (19.11.31.131) gave a transmissivity of approximately 240 ft2/d for the main body of the Point Lookout Sandstone and a transmessivity of approximately 70ft2/d for the Hosta Sandstone Tongue. In contrast, Craigg (1980, p. 52) reported that several tests of the Point Lookout Sandstone south of Torreon gave transmissivities of less than 1 ft2/d. An average hydraulic conductivity of 0.01 ft/d (from permeability data of Reneau and Harris, 1957, p.41) would give a transmissivity of approximately 2 ft2/d for a 200-ft-thick section. Craigg (1980, p.52) reported hydraulic conductivities ranging from 0.002 to 0.02 ft/d in the horizontal direction and from 0.002 to .01 ft/d in the vertical direction for tests on three cores taken from test holes south of Torreon.

WATER QUALITY AND USE: The specific conductance of water from the Point Lookout Sandstone, like that from the Menefee, generally exceeds 1,500 umhos, although water with a conductance of less than 1,000 umhos is produced from a few wells and springs on the flanks of the Chuska and Cebolleta Mountains. The Point lookout sandstone is not widely used as a source of water; a few stock and domestic wells tap this unit on the southern and western side of the basin.

Stone et al, 1983; Hydrogeology and Water Resources of the San Juan Basin, New Mexico, Socorro, New Mexico, Bureau of Mines and Mineral Resources Hydrologic Report 6, 70p.

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	PO	OD Reports and I		eer		
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AVERAGE DEPTH OF WATER REPORT 07/08/2008

(Depth Water in Feet)

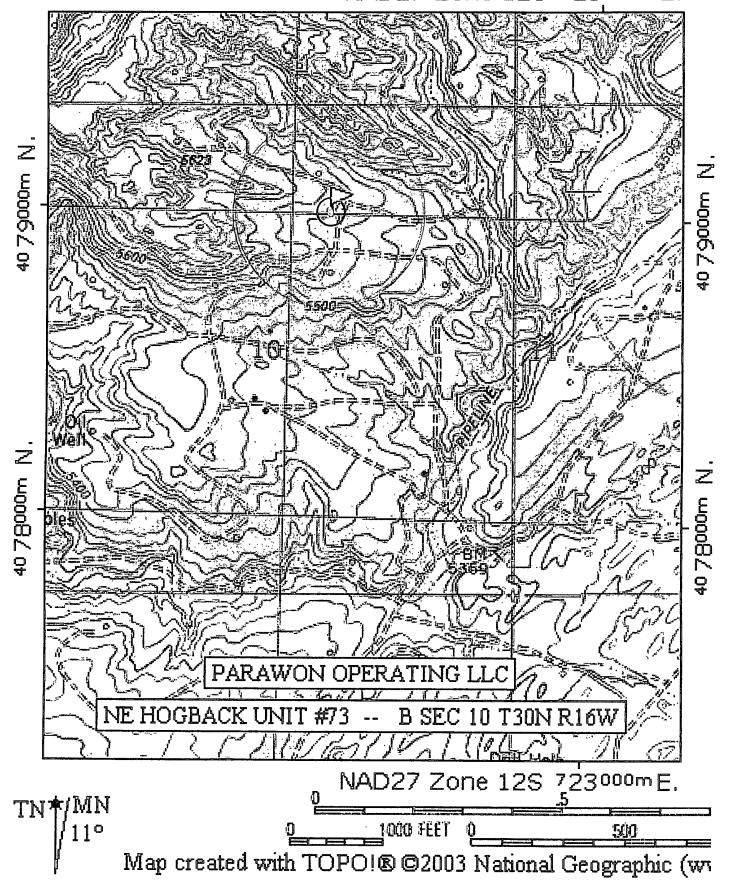
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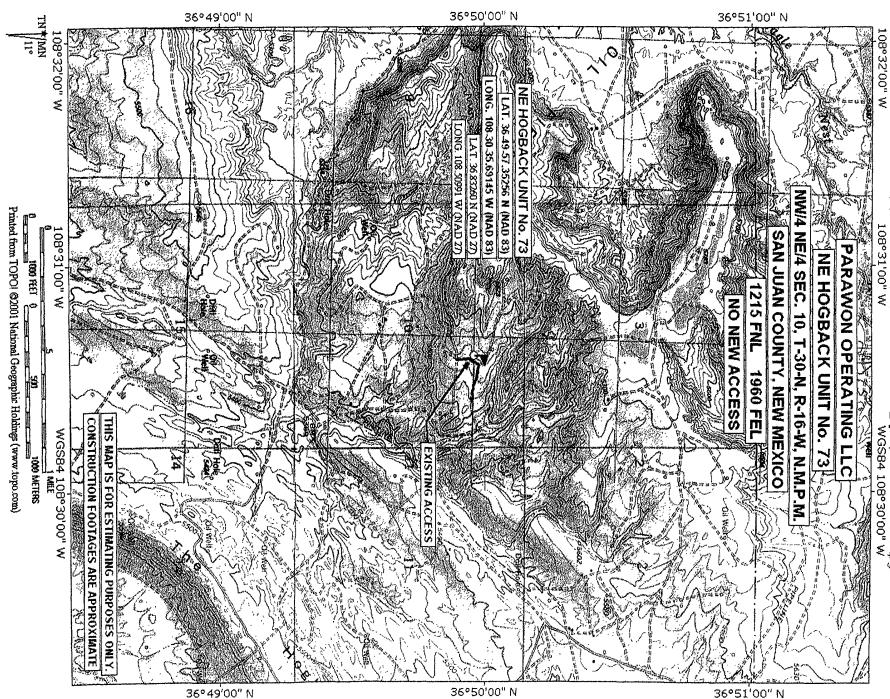
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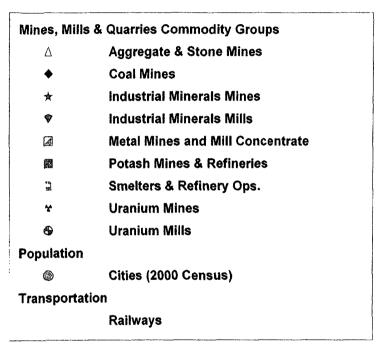
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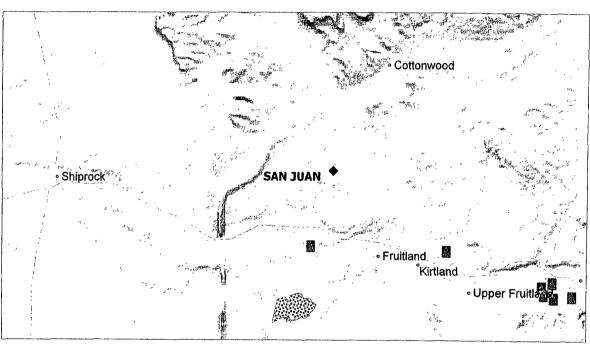


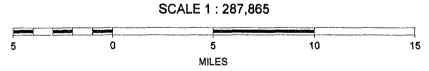


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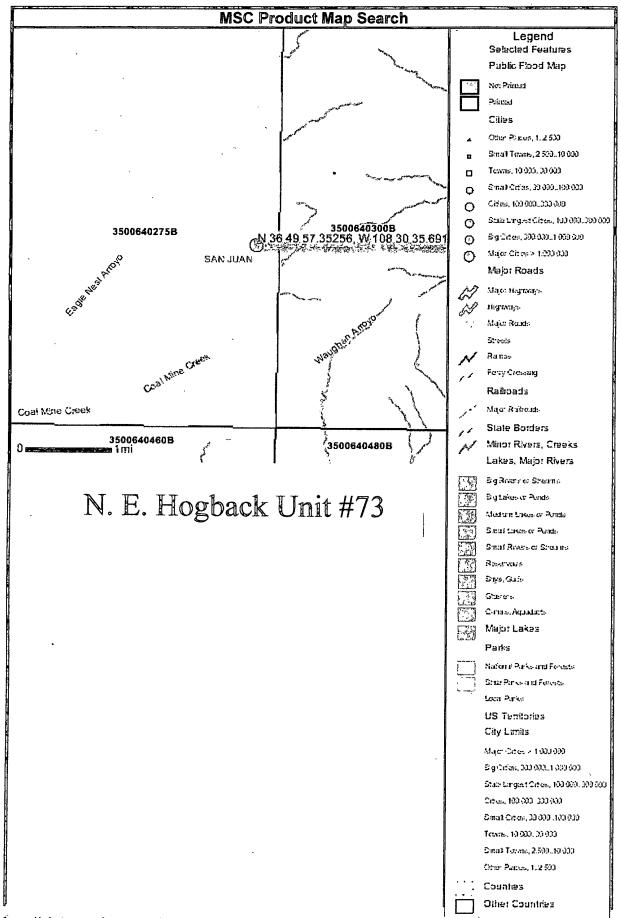
NE HOGBACK UNIT #73

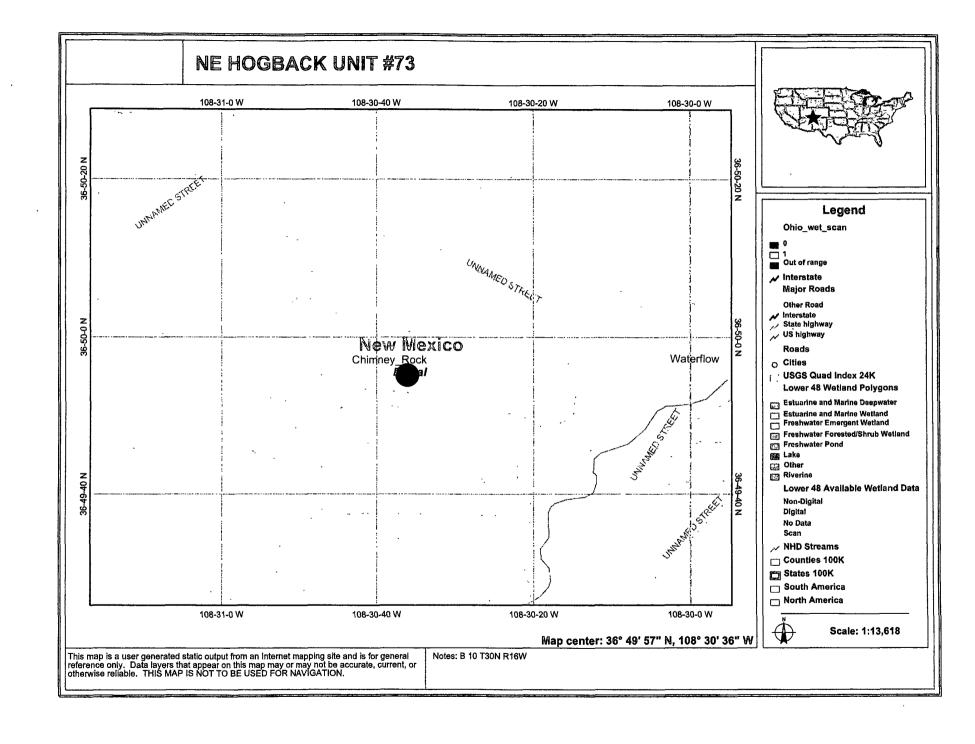












NE HOGBACK UNIT #73 1215' FNL, 1960' FEL B Sec. 10 T30N R16W

San Juan County, NM

FEMA MAP - 100 YEAR FLOODPLAIN)

The FEMA map for the NE Hogback Unit #73 is attached, but lacks any real data possibly due to its location being on Navajo Tribe surface. The results from the FEMA map search were "No product in search area". This well is not located near a wash or watercourse and is not in 100-year floodplain as visible on the topographic map.

Siting Criteria Compliance Demonstrations

The NE Hogback Unit #73 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 not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse.

PARAWON OPERATING LLC NE HOGBACK UNIT #73

1215' FNL, 1960' FEL B Sec. 10 T30N R16W San Juan County, NM

PIT DESIGN AND CONSTRUCTION PLAN

In accordance with Rule 19.15.17, the following information describes the design and construction of temporary pits on Parawon Operating LLC locations. This is Parawon's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

General Plan

- 1. Parawon will design and construct a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. Prior to construction the pit, topsoil will be stockpiled in the construction zone for later use in restoration.
- 3. Parawon will post a well sign, not less than 12" by 24", on the well site prior to construction of the temporary pit. This sign will list the operator on record as the operator, the location of the well site by unit letter, section, township, range, and emergency telephone numbers.
- 4. Parawon shall construct all new fences utilizing 48" steel mesh field-fence (hogwire) on the bottom with a single strand of barbed wire on top. T-posts shall be installed every 12 feet and corners shall be anchored utilizing a secondary T-post. Temporary pits will be fenced at all times excluding drilling or workover operations, when the front side of the fence will be temporarily removed for operational purposes.
- 5. Parawon shall construct the temporary pit so that the foundation and interior slopes are firm and free of rocks, debris, sharp edges or irregularities to prevent liner failure.
- 6. Parawon shall construct the pit so that the slopes are no steeper than two horizontal feet to 1 vertical foot.
- Pit walls will be walked down by a crawler type tractor following construction.
- 8. All temporary pits will be lined with a 20-mil, string reinforced, LLDPE liner, complying with EPA SW-846 method 9090A requirements.
- 9. Geotextile will be installed beneath the liner when rocks, debris, sharp edges or irregularities cannot be avoided.
- 10. All liners will be anchored in the bottom of the compacted earth-filled trench at least 18 inches deep.
- 11. Parawon will minimize liner seams and orient them up and down, not across a slope. Factory seams will be used whenever possible. Parawon will ensure all field seams are welded by qualified personnel. Field seams will be overlapped four to six inches and will be oriented parallel to the line of maximum slope. Parawon will minimize the number of field seams in corners and irregularly shaped areas.
- 12. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
- 13. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
- 14. The volume of the pit shall not exceed 10 acre-feet, including freeboard.
- Temporary blow pits will be constructed to allow gravity flow to discharge into lined drill pit.
- 16. The lower half of the blow pit (nearest lined pit) will be lined with the same 20-mil liner. The upper half of the blow pit will remain unlined as allowed in Rule 19.15.17.11F.11.
- 17. Parawon will not allow freestanding liquids to remain on the unlined portion of the temporary blow pit.

NE HOGBACK UNIT #73

1215' FNL, 1960' FEL B Sec. 10 T30N R16W San Juan County, NM

MAINTENANCE AND OPERATING PLAN

In accordance with Rule 19.15.17, NMAC, the following information describes the operation and maintenance of temporary pits on Parawon Operating LLC locations. This is Parawon's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit, which does not conform to this plan.

General Plan

- 1. Parawon will operate and maintain a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. Parawon will conserve drilling fluids by transferring liquids to pits ahead of the rigs whenever possible. All other drilling fluids will be disposed at Basin Disposal Inc., permit #NM-01-005 or in Parawon's pressure maintenance system.
- Parawon will not discharge or store any hazardous waste in any temporary pit.
- 4. If any pit liner's integrity is compromised, or if any penetration of the liner occurs above the liquid's surface, then Parawon shall notify the Aztec Division office by phone or email within 48 hours of the discovery and repair the damage or replace the liner.
- 5. If a leak develops below the liquid's level, Parawon shall remove all liquids above the damaged liner within 48 hours and repair the damage or replace the liner. Parawon shall notify the Aztec Division office by phone or email within 48 hours of the discovery for leaks less than 25 barrels. Parawon shall notify the Aztec Division office as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.166 NMAC shall be reported to the division's Environmental Bureau Chief.
- 6. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
- 7. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
- 8. Parawon shall immediately remove any visible layer of oil from the surface of the temporary pit after cessation of a drilling or workover operation. Oil absorbent booms will be utilized to contain and remove oil from the pit's surface. An oil absorbent boom will be stored on-site until closure of the pit.
- 9. Only fluids generated during the drilling or workover process may be discharged into a temporary pit.
- 10. Parawon will maintain the temporary pit free of miscellaneous solid waste or debris.
- 11. During drilling or workover operations, Parawon will inspect the temporary pit at least once daily to ensure compliance with this plan. Inspections will be logged in the IADC reports. Parawon will file this log with the Aztec Division office upon closure of the pit.
- 12. After drilling or workover operations, Parawon will inspect the temporary pit weekly so long as liquids remain in the temporary pit. A log of the inspections will be stored at Parawon's office electronically and will be filed with the Aztec Division office upon closure of the pit.
- 13. Parawon shall maintain at least two feet of freeboard for a temporary pit.
- 14. Parawon shall remove all free liquids from a temporary pit within 30 days from the date the operator releases the drilling or workover rig.
- 15. Parawon shall remove all free liquids from a cavitation pit within 48 hours after completing cavitation. Parawon may request additional time to remove liquids from the Aztec Division office if it is not feasible to remove liquids within 48 hours.

NE HOGBACK UNIT #73

1215' FNL, 1960' FEL B Sec. 10 T30N R16W San Juan County, NM

CLOSURE PLAN

In accordance with Rule 19.15.17, NMAC, the following information describes the closure requirements of temporary pits on Parawon Operating LLC locations. This is Parawon's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit, which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable,
- * Plot Plan (Pit Diagram)
- * Inspection Reports
- * Sampling Results
- * C-105
- Copy of Deed Notice will be filed with County Clerk

General Plan

- 1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.
- 2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.
- 3. The surface owner shall be notified of Parawon's proposed closure plan using a means that provides proof of notice i.e., certified mail, return receipt requested.
- 4. Within 6 months of the Rig Off status occurring, Parawon will ensure that temporary pits are closed, re-contoured, and reseeded.
- 5. 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.
- 6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e. edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.
- 7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.
- 8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

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

NE HOGBACK UNIT #73

1215' FNL, 1960' FEL B Sec. 10 T30N R16W San Juan County, NM

CLOSURE PLAN

General Plan (Continued)

- 9. Upon completion of solidification and testing, the pit area will be backfilled with compacted, non-waste containing, earthen material. 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 is greater.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. 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.
- 11. Notification will be sent to OCD when the reclaimed area is seeded.
- 12. Parawon shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. 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 maintain that cover through tow successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.
- 13. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the maker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

Powell, Brandon, EMNRD

From:

Mike Pippin [mike@pippinllc.com]

Sent:

Wednesday, July 16, 2008 8:16 AM

To: Cc: estherkee@frontiernet.net Powell. Brandon, EMNRD

Subject:

Surface Owner Notification to close the NE Hogback Units #73 and #74 temporary pits

Navajo Nation Land Department, Project Review

July 16, 2008

Esther Kee

RE: Surface Notification to close the NE Hogback Unit #73 and #74 temporary pits on-site at the subject location.

Dear Ms. Esther Kee,

In compliance with the State of New Mexico, Energy Minerals and Natural Resources Department new pit rule (Subsection F of 19.15.17.13 NMAC), Parawon Operating LLC is hereby providing notice to the Navajo Nation Land Department of the operator's proposal to close the "Temporary Pit" (drilling reserve pit) for the NE Hogback Units #73 and #74 oil wells using "on-site burial methods".

The subject wells are located (B and H, Section 10, T30N, R16W) on Navajo Tribal Trust surface land in San Juan County, New Mexico.

This notification is required by the NMOCD in order to obtain a permit to build the pits. If you have any questions or require additional information, please contact me.

Sincerely,

Mike Pippin

Parawon Operating LLC

This inbound email has been scanned by the MessageLabs Email Security System.