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

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Proposed Alternative Method Permit or Closure Plan App	plication			
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed Closure of a pit, closed-loop system, below-grade tank, or propose Modification to an existing permit Closure plan only submitted for an existing permitted or non-perm below-grade tank, or proposed alternative method	d alternative method			
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-g	rade 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 environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental approval.				
Operator. HALLADOR PETROLEUM LLP OGRID # 12672				
Address: 1660 LINCOLN ST., SUITE 2700, DENVER, CO 80264				
Facility or well name: STOREY 1A				
API Number <u>30-045-21957</u> OCD Permit Number				
U/L or Qtr/Qtr P Section 34 Township 32 N Range 11 W County. SAN JUAN	·			
Center of Proposed Design. Latitude 36,93661° N Longitude 107.97238° W NAD: ☐ 1927 ☑ 1983				
Surface Owner. A Federal State Private Tribal Trust or Indian Allotment				
2. Dit: Subsection F or G of 19.15.17.11 NMAC	ROWD DEC 15 '08			
	CIL COMS. DIV.			
Temporary Drilling Workover SE GIFT. S				
☐ Lined ☐ Unlined Liner type: Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other				
String-Remforced				
Liner Seams	x D 2			
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 printent)	ior approval of a permit or notice of			
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other				
☐ Lined ☐ Unfined Liner type Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other				
Liner Seams.				
4. Below-grade tank: Subsection I of 19 15 17 11 NMAC				
Volume: 120 bbl Type of fluid: produced water	İ			
Tank Construction material single wall steel	,			
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-to-	off			
☐ Visible sidewalls and liner ☒ Visible sidewalls only ☐ Other				
Liner type. Thicknessmil				

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

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Alternative Method:

Fencing: Subsection D of 19 15 17 11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed 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 specify 48" high (= 36" hog wire + re-bar top)				
Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other expanded metal Monthly inspections (If netting or screening is not physically feasible)				
Signs: Subsection C of 19 15 17 11 NMAC ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers ☐ Signed in compliance with 19 15.3 103 NMAC				
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15 17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s) Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau 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 acce material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	opriate district approval.			
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; Fopographic map	☐ Yes 🏻 No			
Within a 100-year floodplain - FEMA map	☐ Yes 🖾 No			

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15.17 9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
 ☑ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9 NMAC ☑ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC ☐ Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15 17 12 NMAC ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15 17 9 NMAC and 19 15 17 13 NMAC
Previously Approved Design (attach copy of design) API Number or Permit Number
12. Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19 15 17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC Design Plan - based upon the appropriate requirements of 19.15 17 11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15 17 9 NMAC and 19.15 17.13 NMAC
Previously Approved Design (attach copy of design) API Number
Previously Approved Operating and Maintenance Plan API Number:(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15 17 9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15.17 10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19 15 17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19 15.17 11 NMAC Leak Detection Design - based upon the appropriate requirements of 19 15.17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19 15.17 12 NMAC
Gerating and Mannetanice Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H₂S, 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) 15.
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 ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17 13 NMAC

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- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells 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 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 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 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 Within 500 horizontal feet of any rivate, domestic 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 or spring, in existence at the time of initial application. - Written confirmation or verification from the municipality, Written approval obtained from the municipality Within 500 feet of a wetland. - Written confirmation or verification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - 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 Society, Topographic map Within a 100-year floodplain. - FEMA map - The Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to	Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S Instructions: Please indentify the facility or facilities for the disposal of liquids, defacilities are required.				
Disposal Facility Name	Disposal Facility Name Disposal Facility Permit Number				
Yes (If yes, please provide the information below) No Required for imported areas which will not be used for juliure service and operations Soil Back/III and Cover Design Specifications based upon the appropriate requirements of Subsection II of 19.15.17.13.NMAC See Reclusion Plan - based upon the appropriate requirements of Subsection II of 19.15.17.13.NMAC See Reclusion Plan - based upon the appropriate requirements of Subsection of 19.15.17.13.NMAC See Reclusion Plan - based upon the appropriate requirements of Subsection of 19.15.17.13.NMAC Instructions: Each string criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material instructions: Each string criteria requires a demonstration of considered in exception which must be submitted to the Sum & Fe Environmental Bureau office for consideration of approval. Justifications and demonstrations of quarteriory are required. Please refer to 19.15.17.18.NMAC for guidance. Ground water is best than \$0 feet below the bottom of the buried waste NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells Yes NM Office of the State Engineer - IWATERS database, Visual inspection (certification) of the proposed site Yes Yes NM Office of the State Engineer - IWATERS database, Visual inspection (certification) of the propos					
Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection 16 19 15 17 3 NMAC		ur on or in areas that will not be used for future ser	vice and operations?		
Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC Instructions: Each sting criteria requires at demonstration of compliance in the closure plan. Recommendations of acceptable source material provided below. Requests regarding changes to certain sting criteria may require administrative approval from the appropriate district office or considered on exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and 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 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 Ground water is note 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 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other result and the state of instal application of the proposed site within 300 feet for an appropriate proposed site, cardinal public state of the State Engineer - IWATERS database search; USGS, Data obtained from nearby wells Within 300 feet for an apermanent residence, school, hospital, institution, or church in existence at the time of initial application - Visual inspection (certification) of the proposed site. Within 100 feet for a pravale, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 100 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - WATERS database, Visual inspection (certification) of the proposed site within incorporated municipal boundaries or within a def	Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC				
- NM Office of the State Engineer - iWATERS database search, USGS; Data obtained from nearby wells 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 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 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 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 Within 500 horizontal feet of a private, domestic 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 try Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - 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 Society, Topographic map Within a 100-year floodplain. - FEMA map - FEMA	Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the coprovided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental I	administrative approval from the appropriate dist Bureau office for consideration of approval. Just	rict office or may be		
- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells 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 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 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 Within 500 horizontal feet of a private, domestic 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 adopted pursuant to NMSA 1978. Section 3-273, as amended Within an incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipality Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within an unstable area Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map Within a 100-year floodplain. FEMA map Desire Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please in by a check mark in the box, that the documents are attached. Siting Crieria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Construction/Design Plan of Burnal Trench (if apphicable) based upon the appro		obtained from nearby wells	Yes No		
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 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 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 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 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 Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - 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 Society, Topographic map Within 100-year floodplain. - FEMA map - Sting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 13 NMAC - Onstruction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 13 NMAC - Onstruction/Design Plan of Temporary Ptt (for in-p		obtained from nearby wells	Yes No		
lake (measured from the ordinary high-water mark). Topographic 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 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, 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 Within notification or verification from the municipality, Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. Within an unstable area Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map Within a 100-year floodplain. FEMA map FOR Surface Owner Notice - based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Temporary Ptt (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Waste Maker and Sampling Plan - based upon the appropriate re					
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 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 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. 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 Society, Topographic map Within a 100-year floodplain. FEMA map Within a 100-year floodplain. FEMA map On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please in by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Temporary Ptt (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Temporary Ptt (for in-place burial of a drying pad) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Construction/Design Plan of Temporary Ptt (for in-place burial of a drying pad) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Construction/Design Plan of Temporary Ptt (for in-place buri	lake (measured from the ordinary high-water mark).	ficant watercourse or lakebed, sinkhole, or playa	☐ 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 adopted pursuant to NMSA 1978. Section 3-27-3, as amended Written confirmation or verification from the municipality. Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Writdife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. 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 Society, Topographic map Within a 100-year floodplain. FEMA map Within a 100-year floodplain. FEMA map Discretification of the following items must be attached to the closure plan. Please in by a check mark in the box, that the documents are attached. Sting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Temporary Pit (for in-place burnal of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan of Temporary Pit (for in-place burnal of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC			☐ 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 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. 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 Society, Topographic map Within a 100-year floodplain. FEMA map Don-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please in by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Construction/Design Plan of Burnal Trench (if applicable) based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Temporary Pit (for in-place burnal of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved Soil Cover Design - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC	watering purposes, or within 1000 horizontal feet of any other fresh water well or spr	ing, in existence at the time of initial application.	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. 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 Society, Topographic map Within a 100-year floodplain. FEMA map Within a 100-stee Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please in by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Construction/Design Plan of Temporary Pit (for in-place burnal of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Waste Material Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for hiquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC	adopted pursuant to NMSA 1978, Section 3-27-3, as amended				
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map Within a 100-year floodplain FEMA map Within a 100-year floodplain Yes Within a 10	1 1				
Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map Within a 100-year floodplain. FEMA map BON-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please in by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved Soil Cover Design - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC					
BOn-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15 17 11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC	- Engineering measures incorporated into the design, NM Bureau of Geology &	: Mineral Resources, USGS, NM Geological	☐ Yes ☐ No		
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15 17 11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC			☐ Yes ☐ No		
☐ Site Reciamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC	by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Suiting Criteria Cowner Notice - based upon the appropriate requirements of Suiting Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) Protocols and Procedures - based upon the appropriate requirements of 19 15 17 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Suiting Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill Soil Cover Design - based upon the appropriate requirements of Subsection H o	ements of 19 15 17 10 NMAC absection F of 19 15 17 13 NMAC appriate requirements of 19.15 17 11 NMAC absection F of 19 15 17 13 NMAC and the appropriate requirements of 19 15 and the appropriate req	5 17 11 NMAC		

19.
Operator Application Certification: Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief
Name (Print) BRIAN WOOD Title CONSULTANT
Signature Date <u>12-12-08</u>
e-mail address: brian@permitswest.com Telephone (505) 466-8120 .
OCD Approval: Permit Application (including closure plant) Closure Plan (only) OCD Conditions (see attachment).
OCD Representative Signature: 4/05/2012
Title: COMPlance OCHTCA OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.
Closure Completion Date:
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number
Disposal Facility Name Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No
Rejurred for impacted areas which will not be used for future service and operations Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location Latitude Longitude NAD 1927 1983
25. 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) Γitle
Signature Date
e-mail address Telephone

77.25 5 Urs

Current Situation

There is a 120 barrel single wall steel tank. Walls are visible. Tank is surrounded by hog wire fence topped with re-bar. There is no secondary containment. The tank has an expanded metal top. After removal of the existing tank, water will be piped to a planned below grade tank. Application for it will be made once the design is finalized.

Time Line

Will close after approval of this application and before June 16, 2013. Will close earlier if OCD determines there is an imminent danger to fresh water, public health, or the environment.

Siting Criteria

1. Depth to ground water may be less than 100'. Closest reported water depth is the Burlington water well which is $\approx 6,000$ ' northwest in Section 33. Office of the State Engineer records are attached as Exhibit A. There are no water wells in Sections 3 - 5, T. 31 N., R. 11 W. No ground water was found in 2003 when Hallador excavated to a depth of 22' (Exhibit B).

≈6,160' Burlington water well ground elevation - 270' depth to water bearing strata ≈5,890' water level elevation

5,988' gas well elevation - 4' depth to bottom of tank 5,984' tank bottom elevation

5,984' tank bottom elevation
- 5,890' water level elevation
≈94' depth to water

2. Tank is not within 300' of a continuously flowing watercourse. Tank is within 200' of a significant watercourse as defined by OCD. Closest first order tributary of Kiffen Canyon is ≈ 125 ' west (Exhibits C & D).



Hallador Petroleum LLP Storey 1A below grade tank proposed closure 920' FSL & 1035' FEL Sec. 34, T. 32 N., R. 11 W. San Juan County, New Mexico API # 30-045-21957

- 3. Tank is not within 300' of any building. Closest building is more than 1/4 mile distant (Exhibits C & D).
- 4. Tank is not within 1,000' of any fresh water well or spring (Exhibits A & C).
- 5. Tank is not within municipal boundaries or within a municipal fresh water well field (Exhibits A & C).
- 6. Tank is not within 500' of a wetland (Exhibit E).
- 7. Tank does not overly a mine (Exhibit F).
- 8. Tank is not in an unstable area. No evidence of earth movement was found during a November 13, 2008 field inspection.
- 9. Tank is close to, but not within, a 100 year flood plain (Exhibit G) judging by its elevation above and distance (>200') from Kiffen Canyon's bank.
- 10. C-102 is attached as Exhibit H.
- 11. Closure notice to the surface owner (BLM) is attached as Exhibit I.

<u>Hydrogeology</u>

Surface formation is the Nacimiento. According to Stone et al in <u>Hydrogeology</u> and water resources of <u>San Juan Basin</u>, <u>New Mexico</u>, the Nacimiento is mainly a mudstone. There are also medium to coarse grained sandstone layers in the Nacimiento. Transmissivities of 100 feet² per day can be found in the coarser continuous sandstones. Water in the more extensive sandstones has a specific conductance of 1,500 μ mhos. Specific conductance is >2,000 μ mhos in the finer grained sandstones.



Closure Plan

Surface owner has been notified via certified return receipt requested mail of the proposed closure.

Will verbally notify OCD at least 72 hours and no more than 1 week before closure. Notice to OCD will include operator name, location (quarter-quarter, section, township, & range), well name & number, and API number.

Will pump out any remaining water and haul to Basin Disposal (NM-01-005)

Will haul sludge to J F J Land Farm (NM-01-010).

Will truck waste qualifying under OCD Rule 19.15.9.712 to the San Juan County landfill.

Will remove tank, pipes, and associated equipment and store at company yard for future reuse.

Will test soil under tank to determine if a release has occurred, even if there is no visible contamination. Will collect, at a minimum, a five point composite sample. Will collect individual grab samples from any area that is wet, discolored, or showing other evidence of a release. Will analyze all samples for:

Component	Test Method	Not to Exceed (mg/kg)
benzene	EPA SW-846 8021B or 8260B	0.2
total BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA 418.1	100
chlorides	EPA 300.1	250 or background

If the operator or OCD determines that a release has occurred, then the operator will comply with OCD rules 19.15.3.116 NMAC and 19.15.1.19 NMAC,



as appropriate. A major (>25 barrels) release requires immediate verbal notice and timely written notice to OCD. A minor release (more than 5 barrels and less than 25 barrels) requires timely written notice to OCD. Timely is defined as 15 days. Written notice will include Form C-141. OCD may require additional sampling delineation upon its review of the results.

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 (table on preceding page); then the operator will back fill the excavation with compacted waste free earthen material, construct an OCD prescribed soil cover, recontour, and revegetate the site. The soil cover, recontouring and re-vegetation requirements will comply with Subsections G, H and I of 19.15.17.13 NMAC. Specific steps are:

 back fill to within 12" of grade bring to grade with 12" topsoil or background thickness, whichever is more contour to prevent ponding or erosion seed first growing season after closure seed with at least 3 native species, at least 1 of which must be a grass (recommend grass species only for safety & keep seed bag tag) seed mix will exclude noxious weeds cover seed
Will file closure report on Form C-144 within 60 days of closure completion with necessary attachments to document all closure activities including: proof of notice to surface owner proof of notice to OCD plot plan
chemical sampling analysis results
disposal facility name and permit number
back filling & cover details
seeding rate per species
how seeded
photograph of seeded area



Successful revegetation will be accomplished if:	
plant cover equals 70% of adjacent impact free native perennial ve	getation
(noxious weeds are not counted toward 70% goal)	-
70% goal maintained for 2 consecutive growing seasons without in	rigation
if unsuccessful, repeat until goals is achieved	
notify OCD when 70% goal has been met for 2 consecutive growing	seasons
file Form C-144	
include photograph of revegetated area	

Executed this 9th day of December, 2008.

Brian Wood, Consultant

Permits West, Inc.

37 Verano Loop, Santa Fe, NM 87508

(505) 466-8120

FAX: (505) 466-9682

Cellular: (505) 699-2276

The operator's representative is:

s: Tim Lovseth Hallador Petroleum LLP 1660 Lincoln St., Suite 2700

Denver, CO 80264

(303) 839-5504, Extension 317



New Mexico Office of the State Engineer POD Reports and Downloads

Towns	ship: 32	N Range:	11W	Sections:					nematik qualay ye duman		
NAD27	X: [Y:		Zone:	-) Searc	h Radius	: -			
County:	<u>:</u>	Basin:		- ,] Nu	mber:	S	uffix:	 }		
Owner Name: (First)[(Last))		O Non-I	Domestic	ODomo	estic O	All	
PC	D / Surfac	e Data Repo	ort) (Avg	Depth to Wat	er Report	(Water (Column Rep	ort			
		(CI	ear Form	(WATERS M	enu) (He	lp)					
			WATE	ER COLUMN	REPORT :	12/12/2	008				,
· · · · · · · · · · · · · · · · · · ·	-			3=SW 4=S	,						
POD Number	quarter: Tws	s are Di Rng Sec		o smalles Zone	t) X	¥	Depth Well	Depth	Water	(in	feet
SJ 01360	32N	11W 19		20110	^	ĭ	180	Water 155	Column 25		
SJ 01327	32N		2 2 3				90	50	40		
SJ 00021	32N	11W 23	3				585	30	40		
SJ 00017		11W 24	2				105				

Record Count: 6

_ 32N 11W 29 3

____ 32N 11W 33 2

SJ 00020

EXHIBIT A

588

321

25 N French Dr., Hobbs, NM 88240 1516 N French Dr., Hobbs, NM 88240 1516 III 351 W Grand Avenue, Artesis, NM 88210 1716 III 659 Rap Brazos Rosd, Aztet, NM 87410 hidnet IV 220 S St. Francis Dr., Sama Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

(Revised 3/9/94)

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

PIT REMEDIATION AND CLOSURE REPORT

3	0-045-21957			
Oper	rator Hallador Petroleum, LLP	Telephone 1-800-839-5500	6	(123736)
Add	ress. 1660 Lincoln Street, Denver, CO 80	0264 /	<u>د</u> ع	JUL 2003
Facti	hty Or Storey IA	93	Oi.	
Wèll	l Name	To the second se	Š.	District " A
Loca	ation. Unit P Sec 34 T 32N	R 11W County San Juan, N	To Co	SE OF HILLS STATES
Pig1	Type. Separator X Dehydrator	Other		
Lah	d Type BLM X State , I	FeeOther		
Pi	Location. Pit dimensions. length 20'	, width <u>20'</u> , depth		,
Att	ach diagram) Reference wellhead X	•		
	Footage from reference 80'			
ATTENDED TO	Direction from reference. 18	Degrees South of East		
5	oth To Ground Water	Less than 50 feet		(20 points)
- 4	rtical distance from	50 feet to 99 feet		(10 points)
	taminants to seasonal	Greater than 100 feet Yes		(0 points)
	water elevation of			_0
ital	und water)			
Ne.	llhead Protection Area	,	Yes	(20 points)
Le	ss than 200 feet from a private			(0 points)
lor	nestic water source, or; less than			0
0¢	0 feet from all other water sources.)			
716	tance To Surface Water.	Less than 200 feet		(20
	rizontal distance to perennial	200 feet to 1000 feet Yes		(20 points)
	s, ponds, rivers, streams, creeks,	Greater than 1000 feet		(10 points) (0 points)
	ration canals and ditches)	Oteater time 1000 teet		10
	,			
		RANKING SCORE (TOTAL POINT	TS)	10
_		·		
_				
	B			

EXHIDI, 8

Date Remediation Started:	10/1999 Date completed 6/2003
Remediation Method. Exc (Check all appropriate	avation X Approx. cubic yards 370
sections.) La	dfarmed X Insitu Bioremediation
	
Oti	er
Remediation Location. Or	site Landfarmed Offsite
(i.e. landfarmed onsite, name and location of offsite facility)	
	nedial Action Contaminated soils were excavated from pit area to a bedrock of shale at soil was distributed on the location and plowed and tilled periodically over a two year
Ground Water Encountered	: No X Yes Depth
Final Pit. Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample location Storey 1A. pit excavation bottom Sample depth 1' below excavated bottom approx. 23' BGS Sample Date 11/09/00 Sample time 1330 Sample Results Benzene(ppm) NA Total BTEX(ppm) NA Field headspace(ppm) 0.0 TPH 59 mg/Kg Sample location Storey 1A, side wall Sample depth 3-4' BGS Sample Date 11/09/00 Sample time 1340 Sample Results Benzene(ppm) NA Total BTEX(ppm) NA Field headspace(ppm) 0.0 TPH 1000 mg/Kg
Ground Water Sample:	Yes NoX (If yes, attach sample results)
As an agent for Hallador I knowledge and belief.	LP, I hereby certify that the information above is true and complete to the best of my
Date >///63	Printed Name John Hagstrom
Signature 4	and Title: Environ. Technician
U	

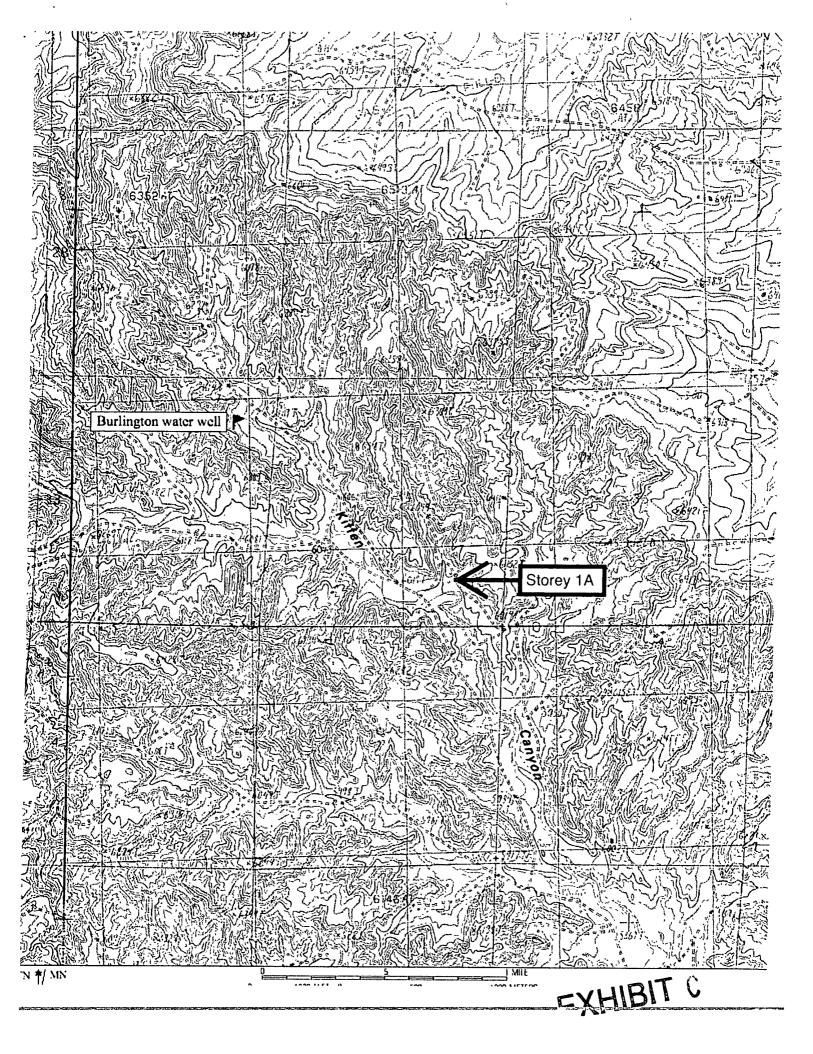
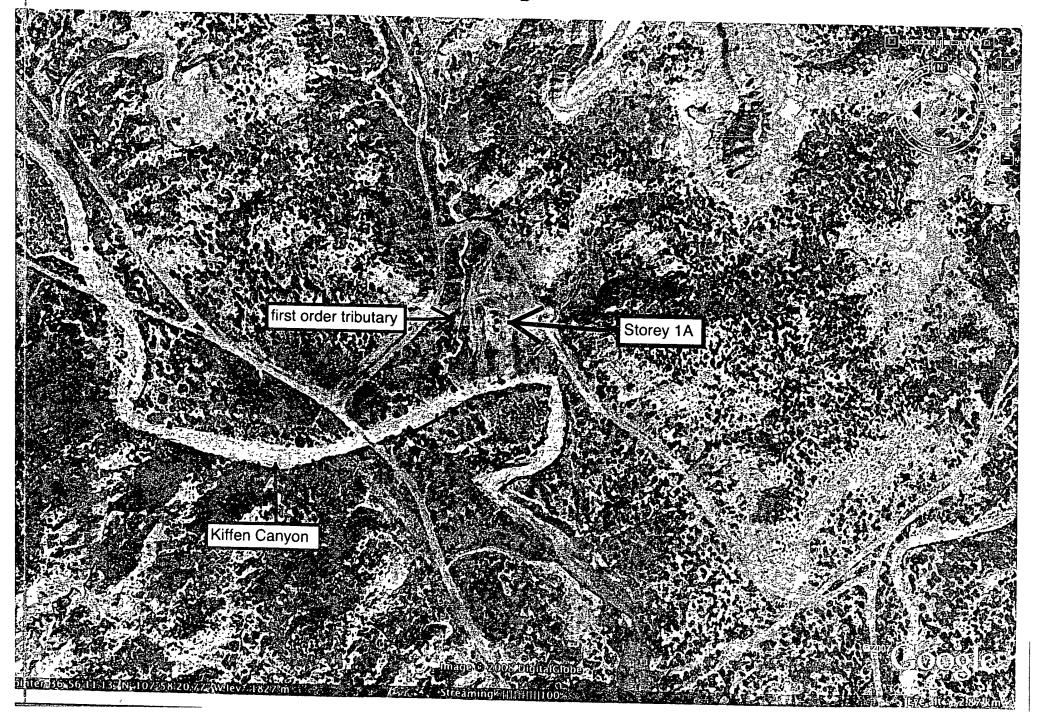
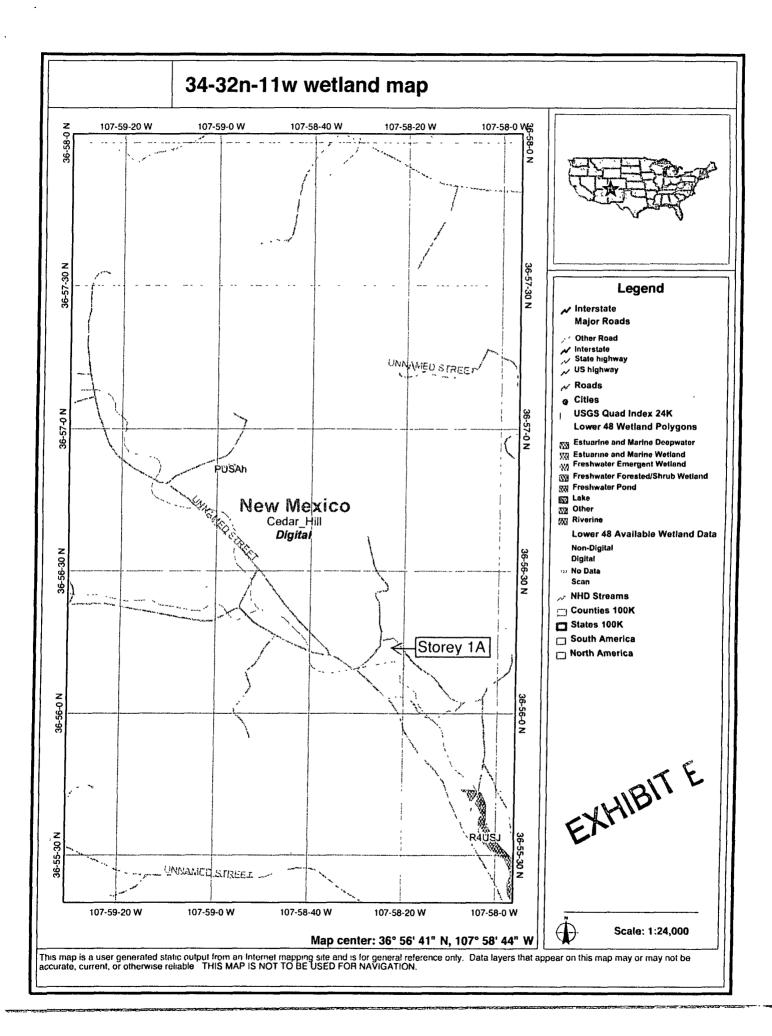


EXHIBIT D





MMQonline Public Version

Mines, Mills & Quarries Commodity Groups

△ Aggregate & Stone Mines

◆ Coal Mines

⅓ Industrial Minerals Mines

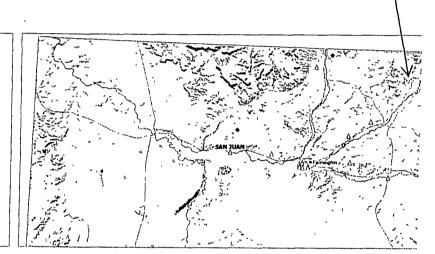
∜ Industrial Minerals Mills

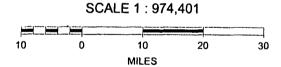
☑ Metal Mines and Mill Concentrate

☑ Potash Mines & Refineries

⊇ Smelters & Refinery Ops.

❖ Uranium Mines

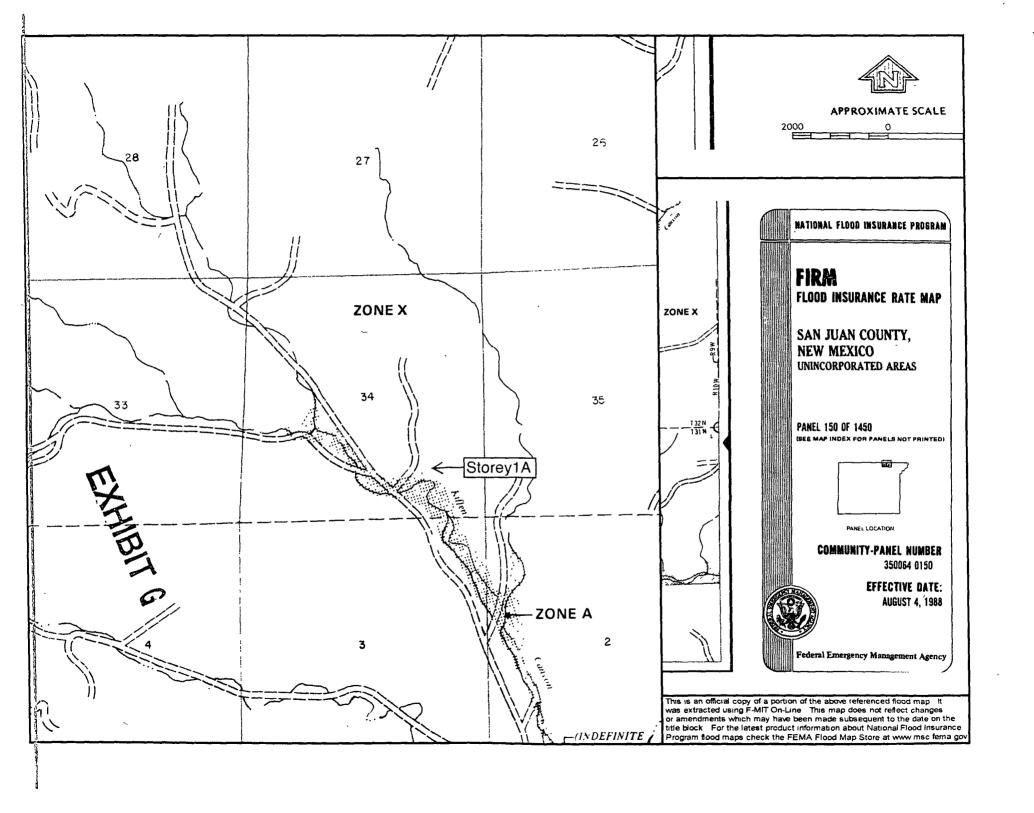






Storey 1A

EXHIBIT F



NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 t Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	DBD AGTING C	OWDAND	Lease			Well No.
Unit Letter	Section C	Township .	STOREY			
P	34	32 NORTH	11 WEST	County	N JUAN	
Actual Footage Loca				1 ===		
920	feet from the	SOUTH line and	1035 tee	t from the	EAST	line
Ground Level Elev.	Producing For		Pool Blanc			Dedicated Acreage:
5988	MESA VE					J20 Acres
1. Outline the	acreage dedica	ted to the subject w	ell by colored pencil o	r hachu	re marks on ti	he plat below.
2. If more tha	n one lease is	dedicated to the wel	l. outline each and ide	ntify th	e ownershin t	hereof (both as to working
interest and			i, outilité du chi dire luc		Covicising	Thereof (both as to working
					/afl't	·IVEN
			dedicated to the well,	have th	e ive Kara	the consoli-
dated by co	mmunitization, u	nitization, force-pooli	ng. etc?		1	4075
Yes	No If an	swer is "yes," type o	f consolidation		DEC 2	3 1975
<u> </u>		• • • • • • • • • • • • • • • • • • • •			J 911, CO	N. COM.
If answer is	"no," list the c	owners and tract desc	riptions which have ac	tually b	een consolie	reverse side of
this form if	necessary.	·····				
No allowable	e will be assigne	ed to the well until all	interests have been c	onsolid	ated (by com	munitization, unitization,
sion.	itg, or otherwise)	or until a non-standar	i unit, eliminating suc	n intere	sis, has been	approved by the Commis-
	1		1			CERTIFICATION
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	1	, -	<u> i </u>		I hereby o	ertify that the well-location
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	i		V 36.93661°		R }	ctual surveys made by me or upervision, and that the same
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				\mathcal{L}	Jan	
				TIE	Certificate No	1463
330 660 90	1320 1650 1960	2310 2640 2000	1500 1000 500	d	1	



December 8, 2008

BLM 1235 LaPlata Highway Farmington, NM 87401

As required by NMOCD rule Subsection J of 19.15.17.13 NMAC, I am notifying BLM that Hallador Petroleum LLP plans to close the following below grade tanks on BLM surface in San Juan County, NM:

<u>Well</u>	API Number	<u>Lease</u>	<u>Location</u>
Horton 1A	30-045-21955	NMSF-078095-A	SWNE 7-31n-11w
Horton 1B	30-045-30165	NMSF-078095-A	NWSE 7-31n-11w
Horton 1C	30-045-33061	NMSF-078095-A	NENE 7-31n-11w
Horton 1D	30-045-33065	NMSF-078095-A	NESE 7-31n-11w
Horton 2	30-045-11371	NMSF-078039	NENE 22-32n-11w
Horton 2A	30-045-23392	NMSF-078039-B	SESE 22-32n-11w
Horton 3B	30-045-31703	NMSF-078147-A	NENE 13-32n-12w
Horton 5	30-045-22933	NMSF-078095-A	SWNE 7-31n-11w
Horton 7	30-045-21362	NMSF-078039	SWSE 22-32n-11w
Storey 1A	30-045-21957	NMSF-078051-A	SESE 34-32n-11w
Storey 1B	30-045-30164	NMSF-078051-A	SESW 34-32n-11w
Storey 1C	30-045-31704	NMSF-078051-A	NWSE 34-32n-11w

I have attached a copy of this letter for each of the 12 well files. Please call me if you have any questions.

Postage
Certified Fee Endorsement Required Plant

City-State: ZIP+4

Sincerely,

Brian Wood

EXHIBIT I

Power of Attorney

Know All Men By These Presents:

That I, Victor P. Stabio, Chief Executive Officer and President of Hallador Petroleum Company, with offices at 1660 Lincoln Street, Suite 2700, Denver, Colorado 80264, have made, constituted, and appointed, and by these presents do make, constitute and appoint Brian Wood of Permits West, Inc., whose address is 37 Verano Loop, Santa Fe, New Mexico 87505, my true and lawful attorney, for me, and in my name, place and stead, and to my use to sign any and all forms submitted on behalf of Hallador Petroleum Company to the New Mexico Oil Conservation Division.

This Power of Attorney is execute this 8th day for all intents and purposes as of June 16, 2008	of December,	2008,	but shall	be effective
for all intents and purposes as of June 16, 2008	1/ < 1	111		

By:_

Vietor P. Stabio

Chief Executive Officer and President of Hallador Petroleum Company

Corporate Acknowledgment

STATE OF COLORADO }
CITY AND }
COUNTY OF DENVER }

Before me, a Notary Public in and for said County and State, on this 8th day of December, 2008, personally appeared Victor P. Stabio, Chief Executive Officer and President of Hallador Petroleum Corporation, a Colorado corporation, on behalf of said corporation.

My commission expires: June 7, 2011

Jane Sanders, Notary Public 1660 Lincoln Street, Suite 2700 Denver, Colorado 80264

My Commission Expires 06/07/2011