District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

Lorn Calab

# 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

Page Lat 3

The state of the s	Santa Fe, NM 8/505	District Office.			
	d-Loop System, Below-Gr				
Proposed Alternation	ive Method Permit or Clos	sure Plan Application			
☐ Closure of a ☐ Modification	pit, closed-loop system, below-grade to an existing permit only submitted for an existing permi	tank, or proposed alternative method etank, or proposed alternative method itted or non-permitted pit, closed-loop system,			
		op system, below-grade tank or alternative request			
Please be advised that approval of this request does not reliev	e the operator of liability should operations	- · · · · · · · · · · · · · · · · · · ·			
Operator HALLADOR PETROLEUM LLP	OGRID #· <u>12672</u>				
Address. 1660 LINCOLN ST., SUITE 2700, DENVER	<u>l, CO 80264</u>				
Facility or well name: HORTON 1D					
API Number 30-045-33065 OCD Permit Number:					
U/L or Qtr/Qtr I Section 7 Township 31 N Range 11 W	County. SAN JUAN				
Center of Proposed Design. Latitude 36.90970° N Longi	itude <u>108.02627° W</u> NAD: 🔲 1927 🔯 :	1983			
Surface Owner 🛛 Federal 🗌 State 🔲 Private 🔲 Triba	d Trust or Indian Allotment				
2.					
Pit: Subsection F or G of 19 15 17 11 NMAC		RCVD DEC 15'08			
Temporary Drilling Workover		GIL COMS. DIV.			
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A					
☐ Lined ☐ Unlined Liner type: Thickness mil ☐	LLDPE HDPE PVC Other _				
String-Reinforced		dest. 3			
Liner Seams	Volume. bbl Din	mensions L'x W'x D'			
	NN.4.6				
Closed-loop System: Subsection H of 19 15 17 11 1					
Type of Operation P&A Drilling a new well Intent)		ies which require prior approval of a permit or notice of			
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Hau					
Lined Unlined Liner type Thickness		VC U Other			
Liner Seams.					
7					
Below-grade tank: Subsection 1 of 19 15 17 11 NM	IAC				
Volume 109 bbl Type of fluid: produced water					
Fank Construction material. steel with single side wall					
Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off					
☐ Visible sidewalls and liner ☑ Visible sidewalls only ☐ Other					
iner type Thickness mil H	DPE PVC Other				
Alternative Method:					
<u> </u>		1			

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

कर्मा विवाय स्मापिता मेर्च स्मा

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)				
7.  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 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				
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				
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				
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mineral Resources, USGS, NM Geological Society; Topographic map</li> </ul>	☐ 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 Γanks) - 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
13.
Permanent Pits Permit Application Checklist: Subsection B of 19 15 17 9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17.10 NMAC  Climatological Factors Assessment  Certified Engineering Design Plans - based upon the appropriate requirements of 19 15.17 11 NMAC  Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17 11 NMAC  Leak Detection Design - based upon the appropriate requirements of 19 15 17 11 NMAC  Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17 11 NMAC  Quality Control/Quality Assurance Construction and Installation Plan  Operating and Maintenance Plan - based upon the appropriate requirements of 19 15.17 12 NMAC  Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15 17 11 NMAC  Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan  Emergency Response Plan  Oil Field Waste Stream Characterization  Monitoring and Inspection Plan  Erosion Control Plan  Closure Plan - based upon the appropriate requirements of Subsection C of 19 15.17 9 NMAC and 19 15 17 13 NMAC
Proposed Closure: 19 15.17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative
Proposed Closure Method. Waste Excavation and Removal  Waste Removal (Closed-loop systems only)  On-site Closure Method (Only for temporary pits and closed-loop systems)  In-place Burial On-site Trench Burial  Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
18. 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
<ul> <li>☑ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)</li> <li>☑ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection II of 19 15 17 13 NMAC</li> <li>☑ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC</li> <li>☑ Sto Paulometers Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC</li> </ul>
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC
10 m (-14)

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please indentify the facility or facilities for the disposal of liquids, a facilities are required.	Steel Tanks or Haul-off Bins Only: (19 15 17 13 Irilling fluids and drill cuttings. Use attachment if	D NMAC) more than two			
1	Disposal Facility Permit Number				
Disposal Facility Name					
Will any of the proposed closed-loop system operations and associated activities oe  ☐ Yes (If yes, please provide the information below) ☐ No	-				
Required for impacted areas which will not be used for future service and operations  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC					
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			
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Data	obtained from nearby wells	☐ Yes ☐ No ☐ NA			
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - tWATERS database search, USGS; Data	obtained from nearby wells	☐ Yes ☐ No ☐ NA			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map, Visual inspection (certification) of the proposed site					
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 a	nd Mineral Division	☐ Yes ☐ No			
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design, NM Bureau of Geology Society, Topographic map</li> </ul>	& Mineral Resources, USGS, NM Geological	☐ Yes ☐ No			
Within a 100-year floodplain FEMA map		☐ Yes ☐ No			
On-Site 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.  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  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 I of 19 15 17 13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15.17 13 NMAC					
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC					

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The Form

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Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief
Name (Print) BRIAN WOOD Title CONSULTANT
Signature Date <u>12-8-08</u>
e-mail address brian@permitswest.com
20.  OCD Approval: Permit Application (including flowing plan) (Closure Plan (only) OCD Conditions (see attachment),
OCD Representative Signature: Approval Date: 4/55/2012  Title: OCD Permit Number:
21.
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.
23.  Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number
Disposal Facility Name: Disposal Facility Permit Number
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
Rejured 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
24.
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) Title
Signature Date
e-mail address <sup>-</sup> Telephone

Page 2 of 5

PAGE 1

#### **Current Situation**

There is a 109 barrel Enertech single wall steel tank. 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 completed.

#### 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. Closest reported water depth is the Jones water well which is 1-1/4 miles northwest in 1-31n-12w. Office of the State Engineer records are attached as Exhibit A.

≈6,457' Jones water well ground elevation
- 161' depth to water
≈6.296' water level elevation

Water level elevation at the Jones water well is 66' higher than the ground level elevation (6,230') at this gas well. Ground water is believed to be more than 100' below the bottom the tank based on depth (1,040') to the Ojo Alamo sandstone in this well.

- 2. Tank is not within 300' of a continuously flowing watercourse. Tank is not within 200' of any other significant watercourse as defined by OCD. Closest first order tributary of Estes Arroyo is >500' west (Exhibit B).
- 3. Tank is not within 300' of any building (Exhibits B & C). There are no buildings within one mile.



- 4. Tank is not within 1,000' of any fresh water well or spring (Exhibits A & B).
- 5. Tank is not within municipal boundaries or within a municipal fresh water well field (Exhibits A & B).
- 6. Tank is not within 500' of a wetland (Exhibit D).
- 7. Tank does not overly a mine (Exhibit E).

API # 30-045-33065

- 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 not within a 100 year flood plain (Exhibit F).
- 10. C-102 is attached as Exhibit G.
- 11. Closure notice to the surface owner (BLM) is attached as Exhibit H.

#### **Hydrogeology**

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 feet<sup>2</sup> per day can be found in the coarser continuous sandstones. Water in the more extensive sandstones has a specific conductance of 1,500  $\mu$ mhos. Specific conductance is >2,000  $\mu$ mhos in the finer grained sandstones.



#### PAGE 3

#### 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:

<u>Component</u>	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,



PAGE 4

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



Executed this 8th 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:

Tim Lovseth
Hallador Petroleum LLP
1660 Lincoln St., Suite 2700
Denver, CO 80264

(303) 839-5504, Extension 317



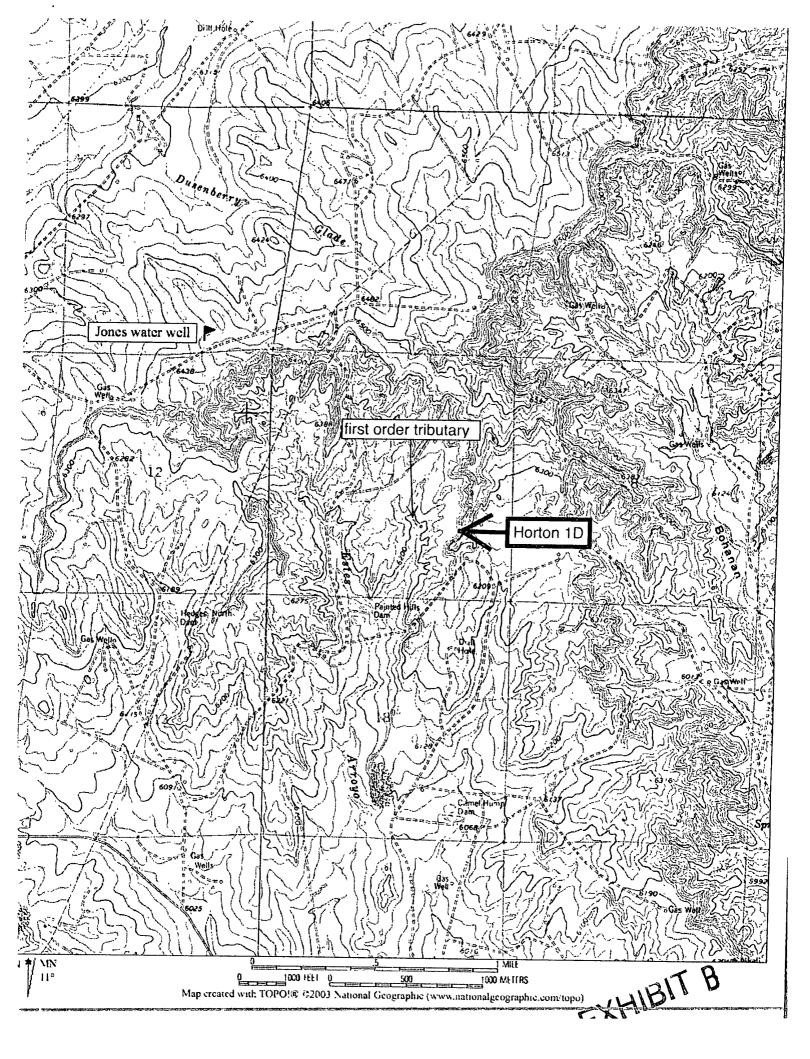
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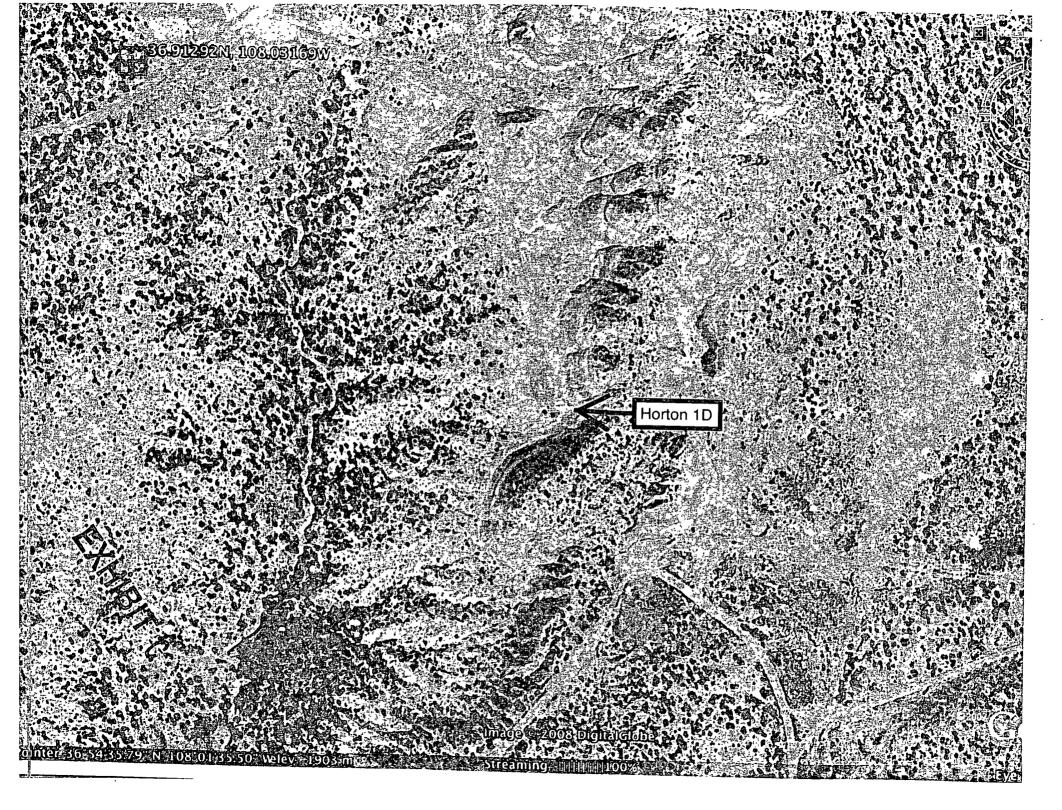
#### New Mexico Office of the State Engineer

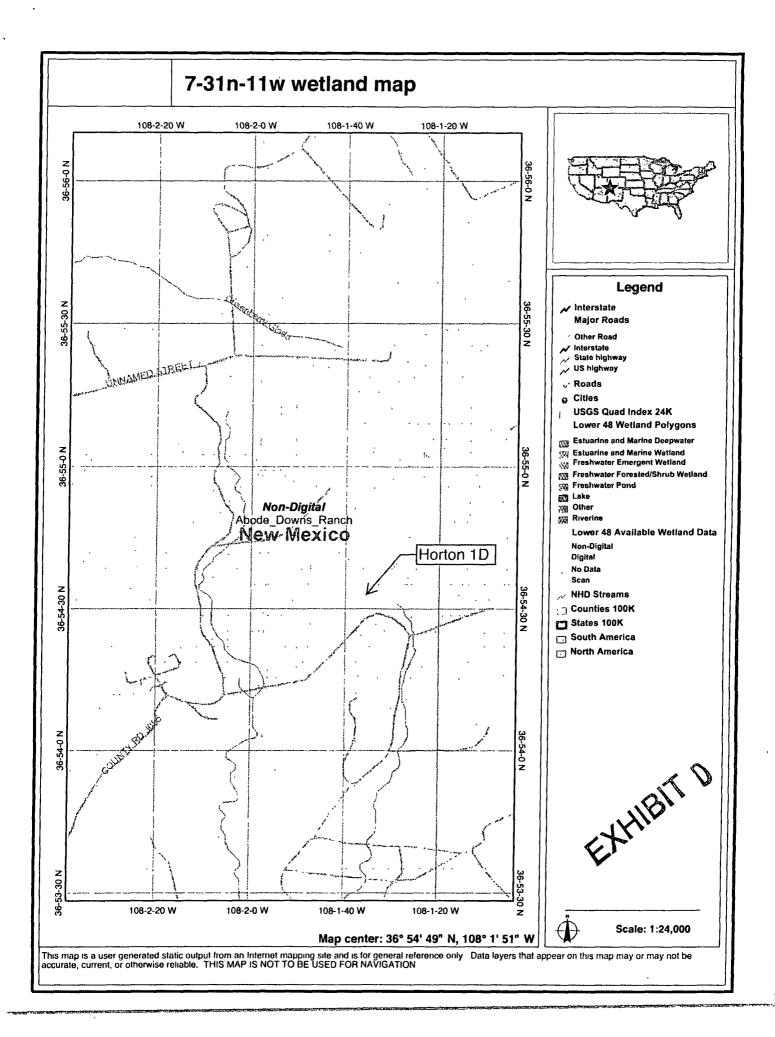
POD Reports and Downloads		
Township: 31N Range 11W Sections 7		
NAD27 X Y Zone Search Radius		
•		
County Basin Basin Number: Suffix.		
Owner Name. (First) (Last) UNon-Domestic ODomestic OAll		
(POD / Surface Data Report) (Avg Depth to Water Report) (Water Column Report)		
(Clear Form) (WATERS Menu) (Help)		
POD / SURPACE DATA REPORT 12/07/2008 (quarters are 1=NN 2=NE 3=SN 4=SE)		
(acre ft per annum) (quarters are biggest to smallest X T and DB File Nbr Use Diversion Owner POD Number Source Two Rng Sec q q q zone	are in Fe	TU 100 MTU Y
No Records found, try again		
New Mexico Office of the State Engineer	12	2/7/08 12 17 PM
New Mexico Office of the State Engineer		
POD Reports and Downloads		
Township: 31N Range: 12W Sections: 1		
NAD27 X: Y: Zone: Search Radius:		
	•	
County: Basin: Basin: Number: Suffix:		
Owner Name: (First) (Last) ONon-Domestic ODomestic O	All	
The family (2 may)	1 111	
(POD / Surface Data Report) (Avg Depth to Water Report) (Water Column Report)		
(Clear Form) (WATERS Menu) (Help)		
WATER COLUMN REPORT 12/07/2008	`	
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Water	(in 1	feet)
POD Number Tws Rng Sec q q q Zone X Y Well Water Column	ı	·
<u>SJ 03488</u> 31N 12W 01 3 3 2 150 <u>SJ 03738 POD1</u> 31N 12W 01 4 1 3 115 50 65	;	
<u>SJ 02034</u> 31N 12W 01 4 3 85 55 30		
<u>SJ 03134</u> 31N 12W 01 4 3 2 80 20 60	ı	
<u>SJ 03022</u> 31N 12W 01 4 3 2 490 250 240		
<u>sJ 01660</u> 31N 12W 01 4 3 3 320 275 45		
<u>SJ 01649</u> 31N 12W 01 4 3 4 <u>220 161 59</u> <u>SJ 03660</u> 31N 12W 01 4 3 4 70 42 28		
<u>SJ 03080</u> 31N 12W 01 4 3 4 70 42 28 SJ 02099 31N 12W 01 4 4 95		
	age N	B

Record Count: 9

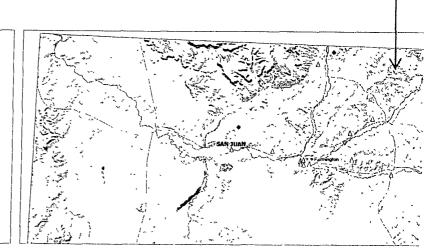
EXHIBIT A

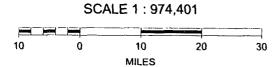






### **MMQonline Public Version**

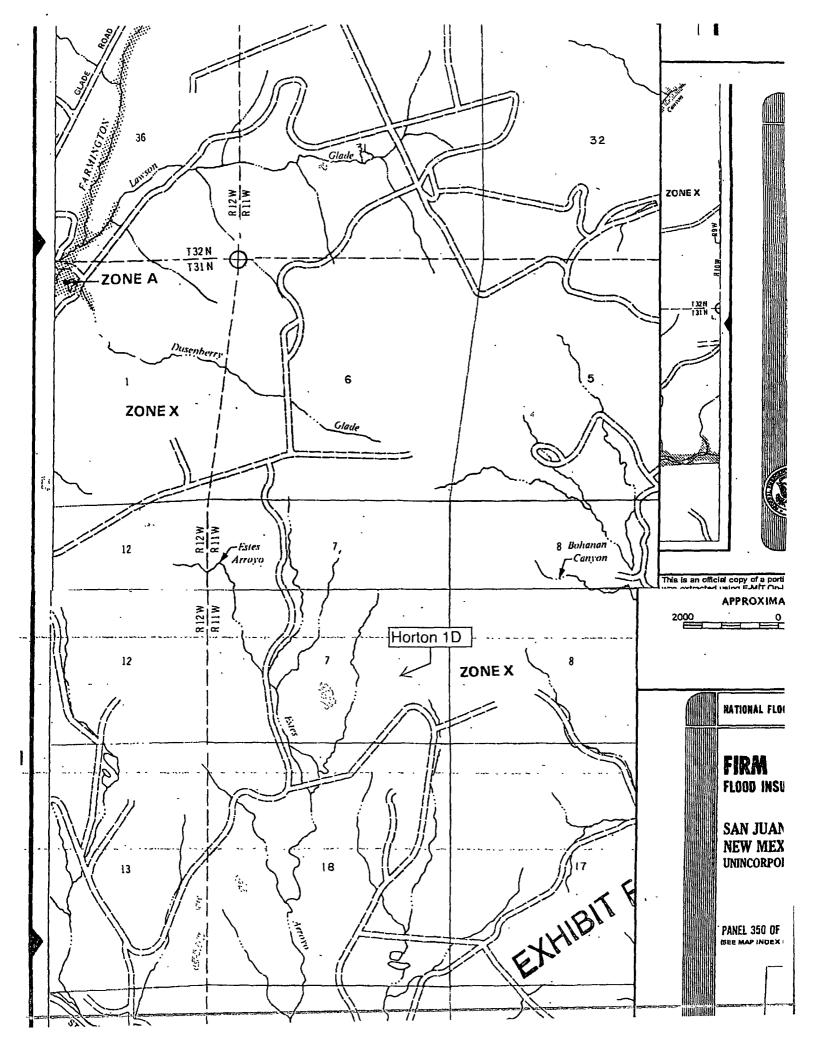






Horton 1D

EXHIBITE



## State of New Mexico Energy. Minerals & Mining Resources Department OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

MELL MOVED

	PA No	Υ	WEL			ICKENGE I	DEDICATION			WELL MOVED
1	-			Pool Cod	·	51 41166			Nome	
30-045-33065   72319 & 71599   BLANCO MESA VERDE & BASIN DAKA										
56 19	5619 32167 · HORTON					Wall Number * I D				
OGRID N					Operator N	ome .				Elevation
23846				OUESTAR E	EXPLORATION		UCTION			6230
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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:

Well	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 \$ . . / 7

Certified Fee 2. 70

Return Receipt Fee (Endorsement Required)

First Postage & Fees \$ 6.0 7 USAs

Sent To Street, Apt No.; or PO Dox No.

Sincerely,

Brian Wood

EXHIBITH

#### 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 of 1	December, 2008, but shall be effective
for all intents and purposes as of June 16, 2008.	11:11A->

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