District 1
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

Lorm C-144

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.

1

Santa Fe, NW 87303 District	t Office		
Pit, Closed-Loop System, Below-Grade Tank, of Proposed Alternative Method Permit or Closure Plan A			
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed a pit, closed-loop system, below-grade tank, or proposed Modification to an existing permit Closure plan only submitted for an existing permitted or non-perbelow-grade tank, or proposed alternative method	sed alternative method <u>mitted</u> pit, closed-loop system,		
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below Please be advised that approval of this request does not relieve the operator of hability should operations result in pollution invironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable government.	n of surface water, ground water or the		
Operator HALLADOR PETROLEUM LLP OGRID #: 12672 Address: 1660 LINCOLN ST., SUITE 2700, DENVER, CO 80264	royd dec 15.08 Gil cons. Div.		
Facility or well name HORTON 3A (east tank) API Number 30-045-23394 OCD Permit Number	9151, S		
U/L or Qtr/Qtr E Section 13 Township 32 N Range 12 W County SAN JUAN Center of Proposed Design. Latitude 36.98893° N Longitude 108.05312° W NAD: ☐ 1927 ☐ 1983 Surface Owner. ☐ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment			
□ Pit: Subsection F or G of 19.15 17 11 NMAC Temporary: □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Liner Seams □ Welded □ Factory □ Other	V <u>'</u> x D <u>'</u>		
Closed-loop System: Subsection H of 19 15 17 11 NMAC Closed-loop System: Subsection H of 19 15 17 11 NMAC Type of Operation			
Below-grade tank: Subsection I of 19 15 17 11 NMAC Volume 25 bbl Type of fluid produced water Fank Construction material: single wall fiberglass Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shu Visible sidewalls and liner Visible sidewalls only Other Juner type: Thickness mil HDPE PVC Other			
. Alternative Method: Alternative Method:	roffice for consideration of approval		

___ Ut Conservation Division -----

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 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 + rebar top)	l, hospital,
7. Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting □ Other 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 Burea consideration of approval Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	u 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 acc material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the application of the 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 drabove-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

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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. Itydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC
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
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. Ilydrogeologic 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 Laner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S. Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17.13 NMAC
14
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 Duffling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative
Proposed Closure Method Waste Excavation and Removal
 ☐ Waste Removal (Closed-loop systems only) ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17 13 NMAC) Instructions: Each of the following items must be attached to the
closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC
 ☑ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC ☑ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection II 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
Fage 3 of 3

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 13 D NMAC) Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.			
Disposal Facility Name Disposal Facility Permit Number			
Disposal Facility Name Disposal Facility Permit Number			
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future set \[\subseteq \text{Yes (If yes, please provide the information below)} \subseteq \text{No} \]	rvice and operations?		
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 II 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		
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	☐ Yes ☐ No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database, Visual inspection (certification) of the proposed site	Yes No		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality, Written approval obtained from the municipality	Yes No		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☐ No		
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No		
 Within an unstable area Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map 	☐ Yes ☐ No		
Within a 100-year floodplain - FEMA map	☐ Yes ☐ No		
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 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 II of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC			

- Oil Ginservitten Division-

17/120 4 of 4

Lorm C-114

19 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 12-10-08		
e-mail address brian@permitswest.com Telephone (505) 466-8120		
o. OCD Approval: Permit Application (including closure plan) Clysure Plan (only) OCD Conditions (see attachment)		
OCD Representative Signature: Approval Date: 3/89/2012		
Fitle: COMPIGNOR OFFICER OCD Permit Number:		
t 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 rection of the form until an approved closure plan has been obtained and the closure activities have been completed.		
Closure Completion Date:		
Tosure 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.		
s 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 that wo facilities were utilized.		
Disposal Facility Name Disposal Facility Permit Number		
Disposal Facility Name: Disposal Facility Permit Number:		
Vere 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		
le-juired 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		
losure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report, Please indicate, by a check		
ark 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		
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.		
ame (Print):		
gnature Date:		
mail address Telephone		

Page 3 of 3

Torm C-111 - Oil Cameerentian Harcing

PAGE 1

Current Situation

API # 30-045-23394

There are two 25 barrel single wall fiberglass tanks. Walls are visible. Tanks are surrounded by hog wire fences topped with re-bar. There is no secondary containment. The tanks have nylon net tops. After removal of the existing tanks, 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 is estimated to be >100'. Closest reported water depth is the Wayne water well which is $\approx 7,100$ ' southwest in Section 23. Office of the State Engineer records are attached as Exhibit A. Exhibit B shows the well locations. (There are no closer wells in Colorado.)

≈6,330' gas well ground elevation
- 3' depth to bottom of tank
≈6,327' tank bottom elevation

6,182' Wayne water well elevation
- 60' depth to water
6,122' water level elevation

6,327' tank bottom elevation
- 6,122' water level elevation
≈205' depth to water

- 2. Tanks are not within 300' of a continuously flowing watercourse. Tanks are not within 200' of any other significant watercourse as defined by OCD. Closest first order tributary of Jaquez Arroyo is 2/3 mile west (Exhibits B & C).
- 3. Tanks are not within 300' of any building. Closest buildings are more than 1/4 mile distant (Exhibit D).



Hallador Petroleum LLP
Horton 3A below grade tanks proposed closure
1610' FNL & 790' FWL Sec. 13, T. 32 N., R. 12 W.
San Juan County, New Mexico
API # 30-045-23394

- 4. Tanks are not within 1,000' of any fresh water well or spring (Exhibits A & B).
- 5. Tanks are not within municipal boundaries or within a municipal fresh water well field (Exhibits A & B).
- 6. Tanks are not within 500' of a wetland (Exhibit E).
- 7. Tanks do not overly a mine (Exhibit F).
- 8. Tanks are not in an unstable area. No evidence of earth movement was found during a November 6, 2008 field inspection.
- 9. Tanks are not within a 100 year flood plain (Exhibit G).
- 10. C-102 is attached as Exhibit H.
- 11. Closure notice to the surface owner (Roddy) is attached as Exhibit I.

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 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.



Hallador Petroleum LLP
Horton 3A below grade tanks proposed closure
1610' FNL & 790' FWL Sec. 13, T. 32 N., R. 12 W.
San Juan County, New Mexico
API # 30-045-23394

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 tanks, pipes, and associated equipment and store at company yard for future reuse.

Will test soil under tanks to determine if a release has occurred, even if there is no visible contamination. Will collect, at a minimum, a five point composite sample from under each tank. 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,



Hallador Petroleum LLP Horton 3A below grade tanks proposed closure 1610' FNL & 790' FWL Sec. 13, T. 32 N., R. 12 W. San Juan County, New Mexico API # 30-045-23394

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 10th 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:

e is: 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

Township: 32N Range: 12W Sections:	
NAD27 X: Y: Zone: Zone: Search Radius:	
County: [williams] Busin: [williams] Number: Suffix:	
Owner Name: (First) (Last) ONon-Domestic ODomestic OAll	
POD*/*Surface Data Report*) (Avg Depth to Water Report*) (Water Column Report*)	
*Clear Form ("IWATERS Menu") (Help")	
WATER COLUMN REPORT 12/10/2008	
(quarters are l=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Water (in feet) POD Number Tws Rng Sec q q q Zone X Y Well Water Column SJ 01213 32N 12W 18 2 3 4 640 20 620 SJ 01212 32N 12W 18 4 1 3 43 5 38 SJ 03583 32N 12W 23 1 1 1 167 60 107 SJ 00055 32N 12W 25 2 504 SJ 02110 32N 12W 28 2 1 4 W 391500 2170000 171 90 81 SJ 01106 32N 12W 35 3 4 180 115 65 Record Count: 6	
New Mexico Office of the State Engineer New Mexico Office of the State Engineer POD Reports and Downloads	М
Township: 32N Range: 11W Sections:	
NAD27 X: Y: Zone: Search Radius:	
County: [Suffix: Suffix:]	
Owner Name: (First) (Last) ONon-Domestic ODomestic OAll	
POD-/ Surface Data Report Avg Depth to Water Report Water Column Report	
(POD-/ Surface Data Report) (Avg Depth to Water Report) (Water Column Report) (Clear Form) (WATERS Menu) (Help) WATER COLUMN REPORT 12/10/2008	
WATER COLUMN REPORT 12/10/2008	
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Water (in feet) POD Number Tws Rng Sec q q q Zone X Y Well Water Column SJ 01360 32N 11W 19 2 2 180 155 25 SJ 01327 32N 11W 23 2 2 3 90 50 40 SJ 00021 32N 11W 23 3 585 SJ 00017 32N 11W 24 2 105 SJ 00020 32N 11W 29 3 588	•

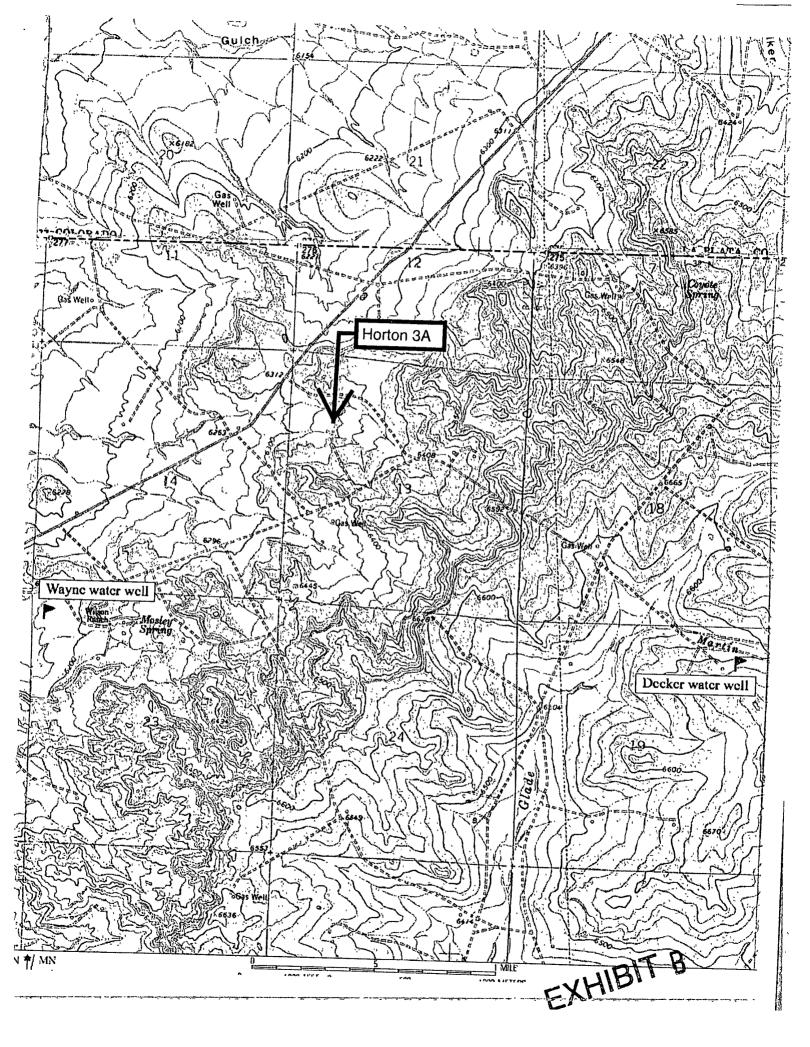
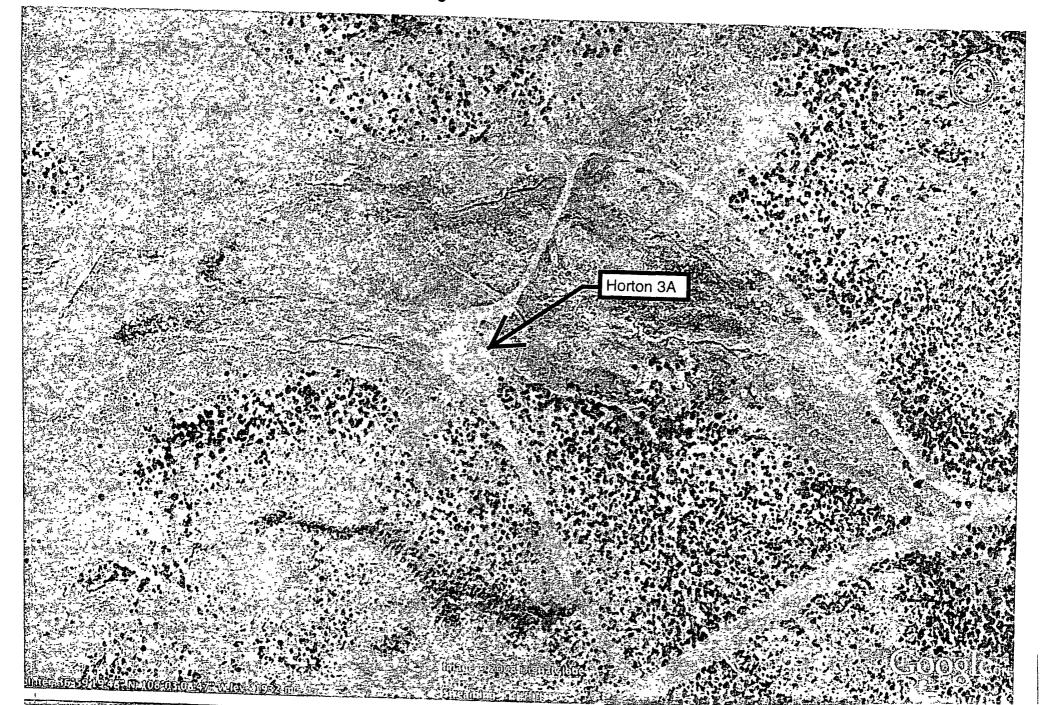
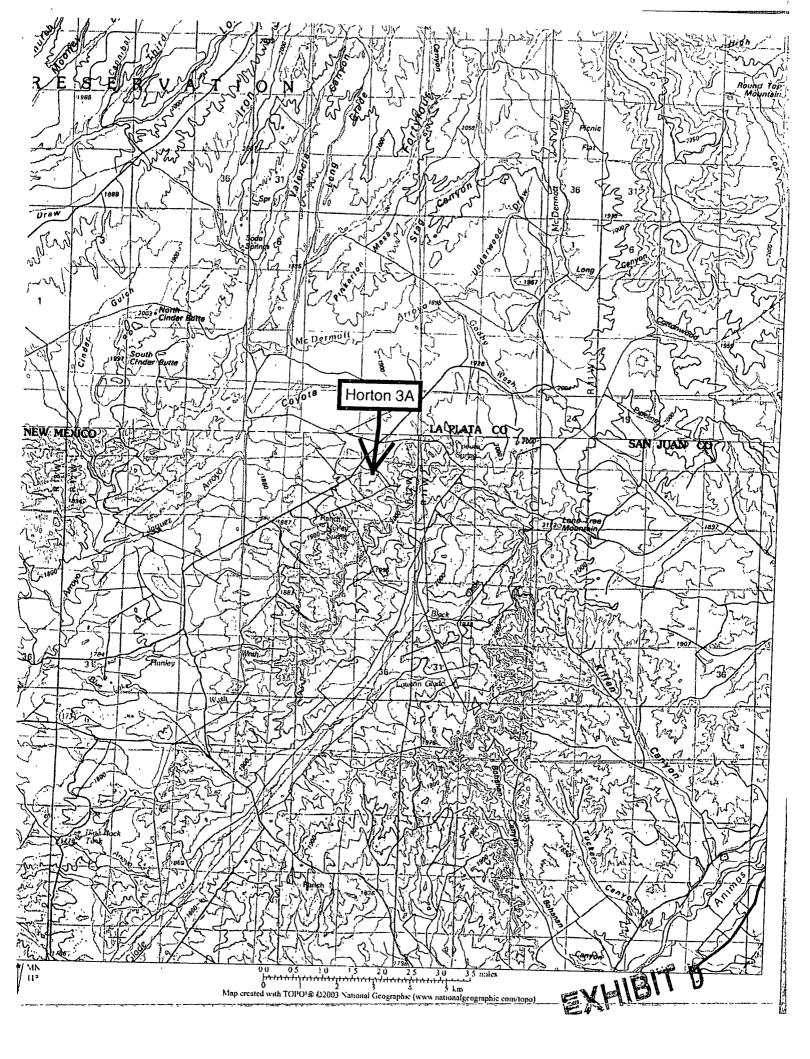
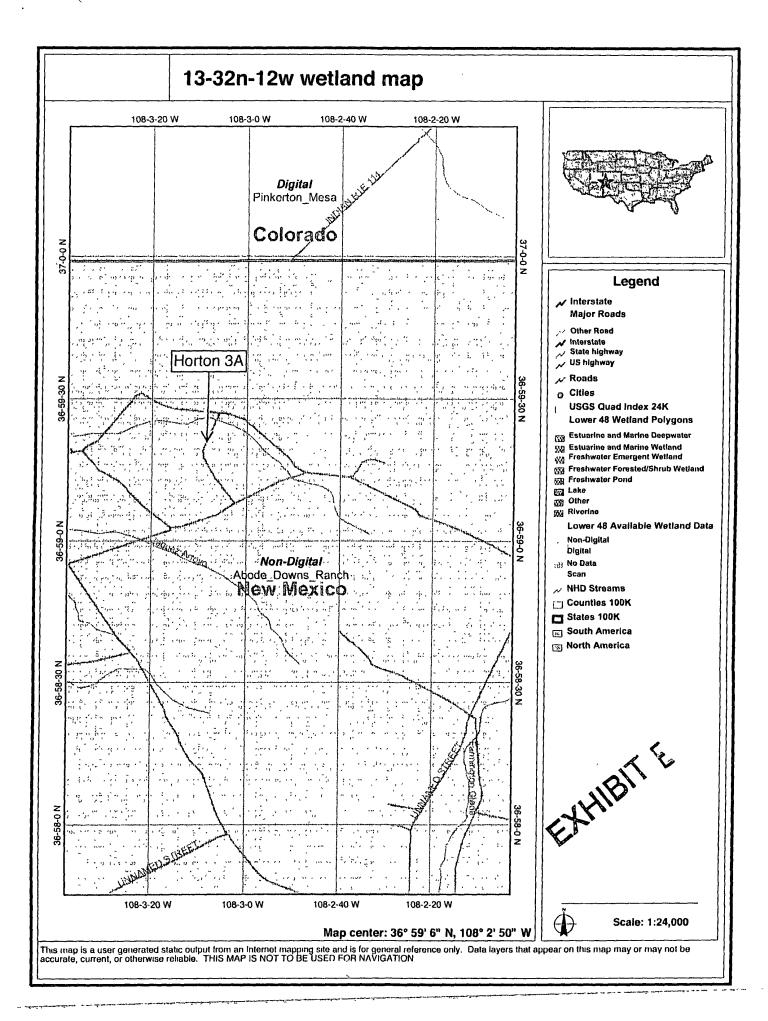


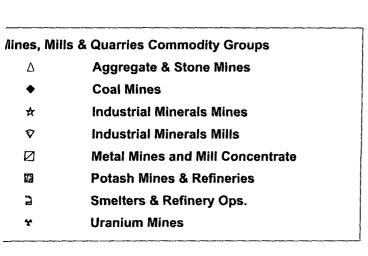
EXHIBIT C

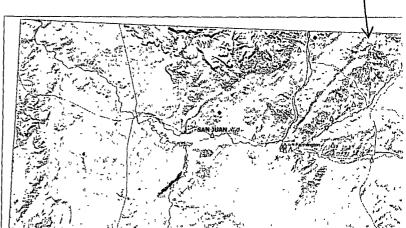


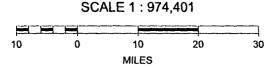




MMQonline Public Version



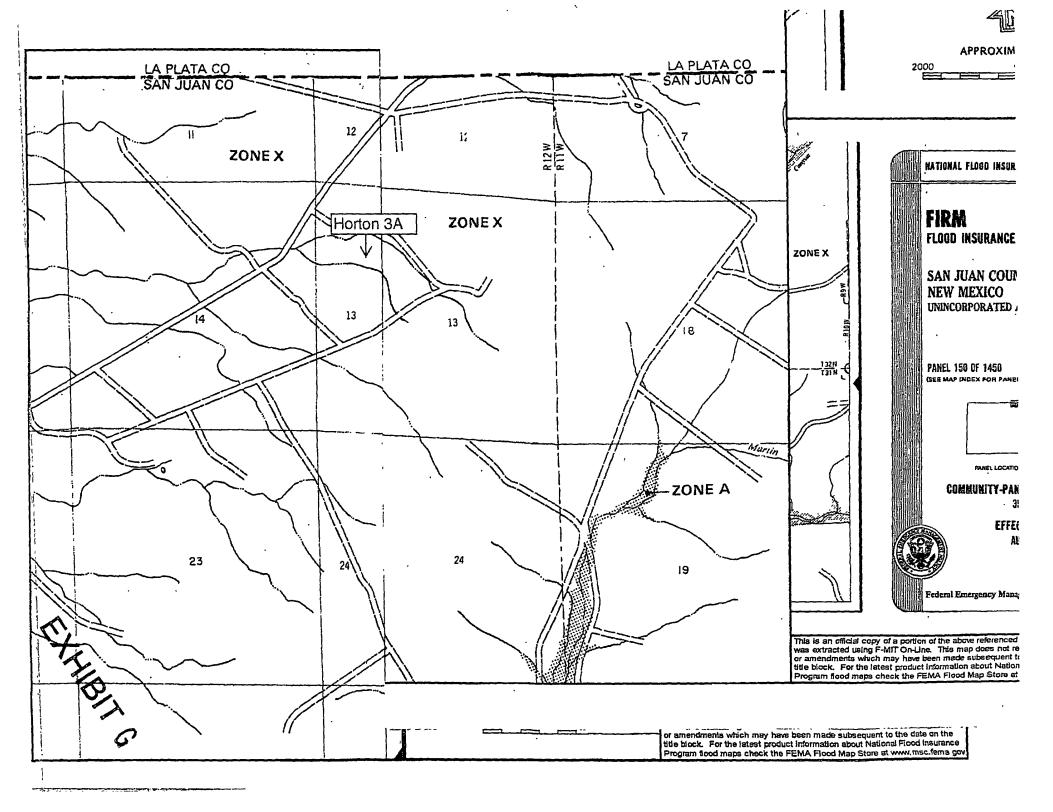






Horton 3A

EXHIBITF



All distances must be from the outer boundaries of the Section. Cherotor Well No. KINBARK OPERATING COMPANY HCRTON 3-A Section Township Unit Letter County 13 32 NORTH E 12 WEST NAUT NAZ Actual Factore Location of Well; 1610 NORTH 790 feet from the line and Icel from the Ground Level Elev. Producing Farmation Pool Dedicated Acreages Blanco €330 Mesaverd Yes 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work in interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consol dated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation ___ Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side o this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commisaion. CERTIFICATION I hereby certify that the Information contained herein is true and complete to the best of my knowledge and belief. east tank Clarence H. Brown Position N 36.98893 Agent W 108.05312' Company Kimbark Operating Co Date 2/23/79 V 108.05310 Date Surveyed 12 February 1979 James P. Leese Certificate No. 1463 2000



December 8, 2008

Kenneth & Joyce Roddy Trust P. O. Box 133197 Tyler, TX 75713-3197

Dear Trustee(s):

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 your surface in San Juan County, NM:

<u>Well</u>	API Number	<u>Location</u>
Horton 3	30-045-11448	SWNE 13-32n-12w
Horton 3A	30-045-23394	SWNW 13-32n-12w
Horton 3C	30-045-31673	NENW 13-32n-12w
Horton 8	30-045-21846	SWNW 13-32n-12w
Horton 10	30-045-22935	SENE 13-32n-12w

Please call me if you have any questions.

Sincerely,

Brian Wood

		S HZ ONNTAFE 2 70 2 20 \$ 5.32 USPS
-	Sent To Street, Apt. No.; or FO Box No. City, State, 219-4	Rodd-j

EXHIBIT

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	December, 2008	, but shall be effective
for all intents and purposes as of June 16, 2008.	11. 1LA	

Victor 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