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 Γe, 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

Page 1 of 5

Santa Fe, NW 87505 District (Office			
9469 Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application				
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method				
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-g	reads tank or alternative request			
ease be advised that approval of this request does not relieve the operator of liability should operations result in pollution of invironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental	of surface water, ground water or the			
Dperator: <u>HALLADOR PETROLEUM LLP</u> OGRID #: <u>12672</u>	RCVD DEC 15°CB OIL COUS. DIV.			
Address 1660 LINCOLN ST., SUITE 2700, DENVER, CO 80264	ou cons. Div.			
Facility or well name HORTON 3A (south tank)	DIST. 3			
API Number 30-045-23394 OCD Permit Number				
U/L or Qtr/Qtr E Section 13 Township 32 N Range 12 W County SAN JUAN				
Center of Proposed Design Latitude 36.98861° N Longitude 108.05310° 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				
iner Seams: Welded Factory Other Volume. bbl Dimensions: L'x W	'x D <u>'</u>			
☐ Closed-loop System: Subsection H of 19 15 17 11 NMAC Sype of Operation ☐ P&A ☐ Dulling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of				
ntent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Other	j			
Lined Unlined Liner type Thicknessmil LLDPE HDPE PVC Other				
nner Seams				
Below-grade tank: Subsection Lof 19 15 17.11 NMAC				
Volume 25 bbl Type of fluid: produced water				
ank Construction material. single wall fiberglass				
Secondary containment with leak detection \(\subseteq \text{Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off} \)				
Visible sidewalls and liner ⊠ Visible sidewalls only □ Other				
mer type Thicknessmil				
Alternative Method:				
abmittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of	office for consideration of approval			

----- Off Conservation गिरायता

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			
∑ 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 consideration of approval Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	ce 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 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		
	Yes 🛛 No		
Think you lest from a permanent residence, sensor, nospital, institution, or chareful in existence at the time of initial application	Yes No		
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application	Yes 🛛 No NA		
	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		
	Yes 🖾 No		
Within a 100-year floodplain - FEMA map	Yes 🛛 No		

— ehft oncernation Division

Page 2 of 5

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 Comphiance 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. 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 Linier 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 <u>Proposed Closure</u> : 19 15 17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.				
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative Proposed Closure Method Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial				
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)				
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC				
Total C-14 (1) 14 Concentration for the formal form				

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.				
	isposal Facility Permit Number.			
Disposal Facility Name D				
Will any of the proposed closed-loop system operations and associated activities occu ☐ Yes (If yes, please provide the information below) ☐ No	ir on or in areas that will not be used for future ser	vice 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 of	btained 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 of	btained 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 of	btained from nearby wells	Yes No		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signif- lake (measured from the ordinary high-water mark). - Topographic map, Visual inspection (certification) of the proposed site	icant watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ No		
Within 300 feet from a permanent residence, school, hospital, institution, or church in - Visual inspection (certification) of the proposed site, Aerial photo; Satellite in		☐ Yes ☐ No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th watering purposes, or within 1000 horizontal feet of any other fresh water well or spring - NM Office of the State Engineer - iWATERS database; Visual inspection (cer	ng, in existence at the time of initial application	☐ Yes ☐ No		
Within incorporated municipal boundaries or within a defined municipal fresh water wadopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval	·	☐ Yes ☐ No		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map, Visual in	spection (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	d Mineral Division	☐ Yes ☐ No		
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Society; Topographic map	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 H of 19 15 17 13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC				

Page 4 of 3

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 <u>12-10-08</u>				
e-mail address brian@permitswest.com Telephone (505) 466-8120				
20. OCD Approval: Permit Application (including plosure plan) X/Closure Plan (only) OCD Conditions (see attachment)				
OCD Representative Signature: Approval Date: 3/09/2013				
Title: Compliance Office OCD Permit Number:				
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.				
Closure Completion Date:				
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				
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique				
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 Fechnique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude				
Operator Closure Certification:				
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				
-mail address Telephone				
•				

--- on Corner and Division

Page 5 of 5

PAGE 1

Current Situation

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:

<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:



PAGE 5

Successful revegetation will be accomplished if:
plant cover equals 70% of adjacent impact free native perennial vegetation
(noxious weeds are not counted toward 70% goal)
70% goal maintained for 2 consecutive growing seasons without irrigation
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 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:

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: Searce	ch Radius:			
County: [management of Basin: [management of the Burner of	Su	ffix:		
Owner Name: (First) (Last) ONon-I	Domestic	ODome	stic O All	
(POD / Surface Data Report) (Avg Depth to Water Report) (Water C	Column Repo	rt)		
(Clear Form) (iWATERS Menu) (Help)				-
WATER COLUMN REPORT 12/10/20	008			
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) POD Number Tws Rng Sec q q Zone X Y SJ 01213 32N 12W 18 2 3 4 SJ 01212 32N 12W 18 4 1 3 SJ 03583 32N 12W 23 1 1 1	Depth Well 640 43 167	Depth Water 20 5	Water (Column 620 38 107	in feet)
SJ 00055 32N 12W 25 2 SJ 02110 32N 12W 28 2 1 4 W 391500 2170000 SJ 01106 32N 12W 35 3 4 Record Count: 6	504 171 180	90 115	81 65	
ew Mexico Office of the State Engineer New Mexico Office of the State Engineer POD Reports and Downloads		·		12/10/08 8:20 AM
Township: 32N Range: 11W Sections:		**************************************		
NAD27 X: Y: Zone: Search	n Radius: [· · · · · · · · · · · · · · · · · · ·		
County: विकास कर्म कर्म कर्म क्षेत्र का Basin: विकास क्षेत्र	Suf	fix:	Į.	
Owner Name: (First) (Last) ONon-De	omestic	O Domes	tic O All	
(POD / Surface Data Report) (Avg Depth to Water Report) (Water Co	olumn Repor	9		A
(Clear Form) (IWATERS Menu) (Help)			KHIBI	
WATER COLUMN REPORT 12/10/200	08	E	 ~	
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) POD Number Tws Rng Sec q q q Zone X Y SJ 01360 32N 11W 19 2 2 SJ 01327 32N 11W 23 2 2 3 SJ 00021 32N 11W 23 3 SJ 00017 32N 11W 24 2 SJ 00020 32N 11W 29 3	Depth Well V 180 90 585 105	Depth Jater (Water (i Column 25 40	n feet)

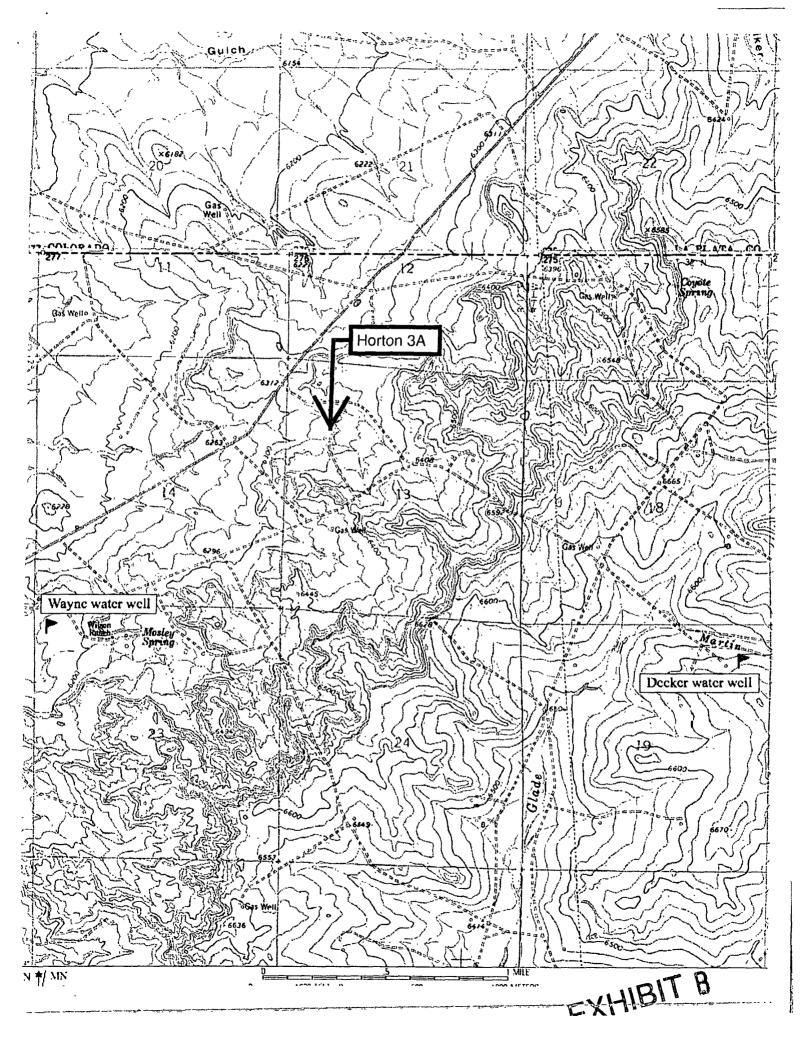
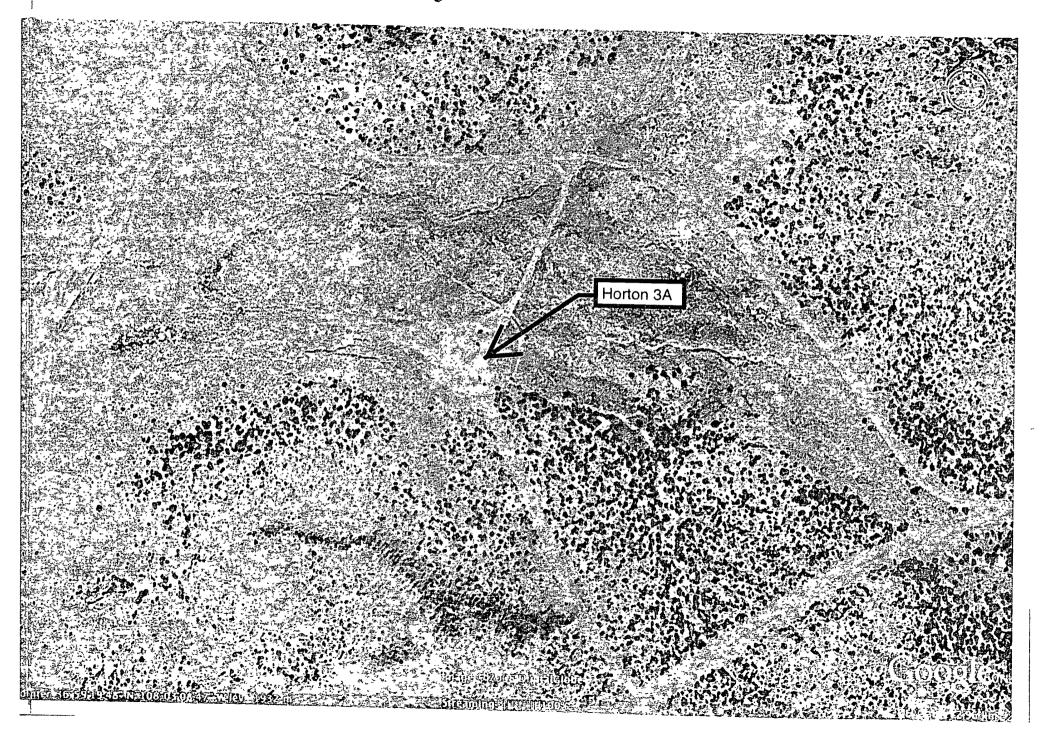
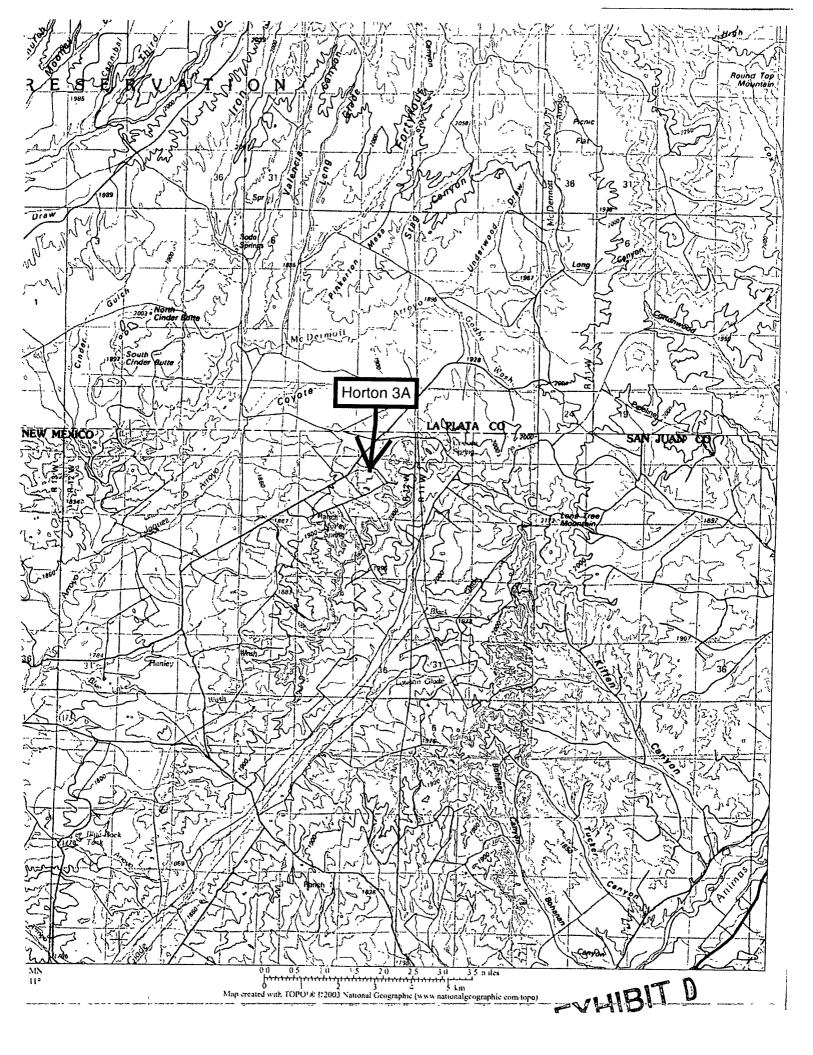
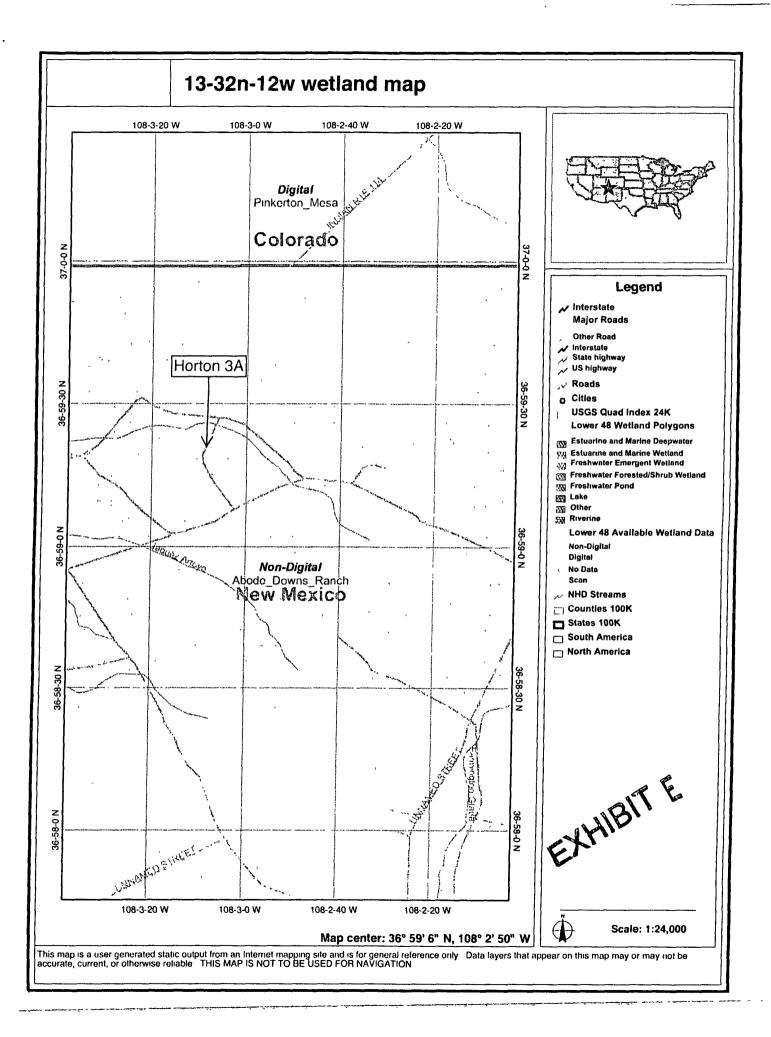


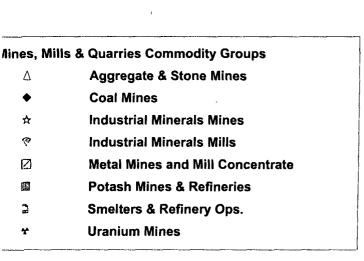
EXHIBIT C

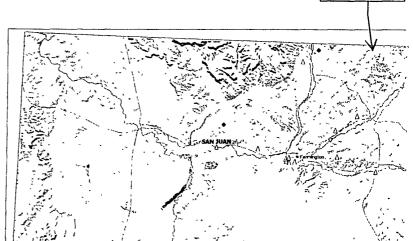


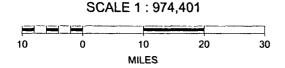




MMQonline Public Version



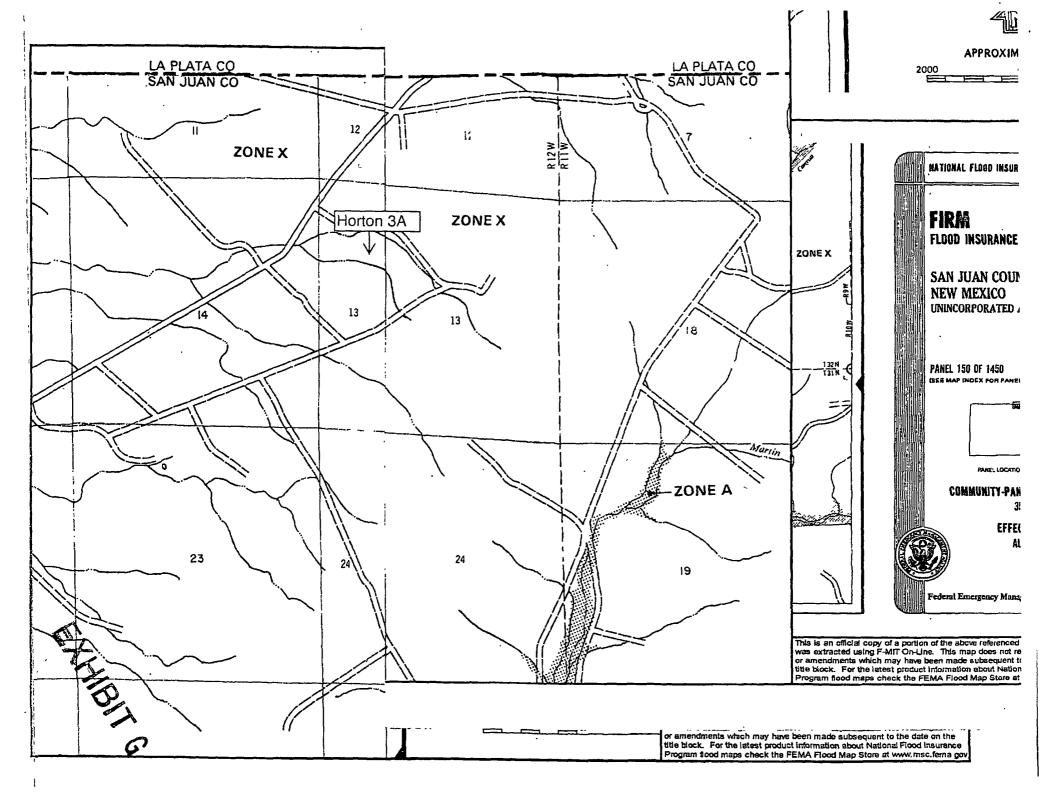






Horton 3A

EXHIBITE



All distances must be from the outer boundaries of the Section. Well 140. Ch erotor KINBARK OPERATING COMPANY HCRTON 3-A Township Section Haza County Unit Letter 32 NORTH 12 WEST SAN JUAN E Actual Fastage Location of Well; NORTH 790 1620 WEST feet from the line and fret from the Producing Formation Ground Level Elev. Dedicated Acreage: €330 Mesaverd 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 working interest and royalty). 3. If more than one lesse of different ownership is dedicated to the well, have the interests of all owners been consoli dated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation ____ Yes If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of 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 Commis-CERTIFICATION I hereby certify that the Information coneast tank Clarence H. Brown Position N 36.98893 Agent W 108.05312 Kimbark Operating Co Date 2/23/79 N 36.98861 N 108.05310 Date Surveyed 12 February 1979 hegistered Professional Ertineer James P. Leess Certificate No. 1463



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:

Well	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

	GMOGIA MANIL 1813 Www.grounge	
OFF	ICIVI	ASE.
Postage Cortilled Fee Heturn Hecelpt Fee (Endorsement Required)	\$ 42 270 2.20	DEC Postman
Restricted Delivery Fee (Endorsement Required) Total Postage & Fees	\$ 5.32	Usps
Sent To Street, Apt No.; or I'O Box No. City, State, ZIP+4	Rodd	/

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

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