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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Hallador Petroleum, LLP	Telephone: 1-800-839-5506					
Address: 1660 Lincoln Street, Denver, CO	80264					
Facility Or: Horton 3 Well Name	<u> </u>	56				
Location: Unit G Sec 13, T 32N, R 12W,	, County San Juan, NM					
Pit Type: Separator X Dehydrator	OtherOtherOther	OB COMMERCIAL				
Land Type: BLM X, State	_, Fee Other					
Pit Location: Pit dimensions: length 30', width 30', depth 8' (Attach diagram) Reference: wellhead X, other Footage from reference: 45'						
Direction from reference: <u>35</u> Degrees <u>West</u> of <u>North</u>						
Depth To Ground Water	Less than 50 feet No	(20 points)				
(Vertical distance from	50 feet to 99 feet	(10 points)				
contaminants to seasonal high water elevation of ground water.)	Greater than 100 feet	(0 points) 				
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)	No	(20 points) (0 points) 0				
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet 200 feet to 1000 feet Greater than 1000 feet Yes	(20 points) (10 points) (0 points)				
	RANKING SCORE (TOTAL POINTS):	<u> </u>				

Date Remediation Started:	<u>10/1999</u> Date completed: <u>6/2003</u>			
Remediation Method: Excar (Check all appropriate	vation X Approx. cubic yards 266			
	Ifarmed X Insitu Bioremediation			
Other	r			
Ollies				
Remediation Location: Onsi	te <u>Landfarmed</u> Offsite			
(i.e. landfarmed onsite, name and location of offsite facility)				
	dial Action: Contaminated soils were excavated from pit area to a bedrock (shale) at il was distributed on the location and plowed and tilled periodically over a two year			
Ground Water Encountered:	No <u>X</u> Yes Depth			
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample location Horton 3, pit excavation bottom Sample depth 1' below excavated bottom approx. 8' BGS Sample Date 11/09/00 Sample time 1150 Sample Results Benzene(ppm) NA Total BTEX(ppm) NA Field headspace(ppm) 0.0 TPH 50 mg/Kg			
Sample location Horton 3, side wall Sample depth 3-4' BGS Sample Date 11/09/00 Sample time 1125 Sample Results Benzene(ppm) NA Total BTEX(ppm) NA Field headspace(ppm) 0.0 TPH 210 mg/Kg				
Ground Water Sample:	Yes NoX (If yes, attach sample results)			
As an Agent for Hallador, LL knowledge and belief.	P, I hereby certify that the information above is true and complete to the best of my			
Date 7/1/03				
Date 7/1/03 Signature	Printed Name: John Hagstrom and Title: Environ. Technician			

District I

State of New Mexico

SUBMIT 1 COPY

TO

Hobbs, NM District II

P.O. Box 1980, Energy, Minerals and Natural Resources Department

APPROPRIATE

DISTRICT OFFICE

P.O. Drawer DD, Artesia, NM 88211 AND 1 COPY TO

District III

OIL CONSERVATION DIVISION

SANTA FE OFFICE

1000 Rio Brazos Rd, Aztec, NM 87410

1220 St. Francis Drive Santa, Fe NM 87505

Landfarm Remediation and Closure Report

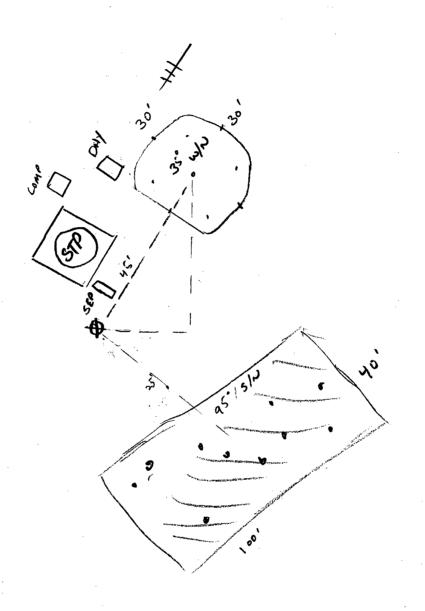
Owner/Operator: Hallador Petroleum, LLP	Telephone:1-800-839-5506
Address: 1660 Lincoln Street Denver, CO 80264	
Facility or Well Name: Horton 3	
Location: Unit G Section: 13 T32N R12W County: San Juan, NM	
Land Type BLM X, State, Fee, Other Landfarm location Length: 100' Width: 40' Reference: Wellhead: X Other: Footage from reference: 25'	r
Direction from reference: 25°South of North	
Refer to attached map for land farm location	
GENERAL DISCRIPTION of LANDFARM ACTIVITIES: Contaexcavated to bedrock. Soils from pit were distri	
times in a twenty four month period. Following for clearance and will be backfilled in the original	landfarm remediation, soils were sampled
SAMPLING INFORMATION Type of sample: Grab: Composite: $\underline{10}$ Sample Depth : $\underline{0-12"}$	points
Sample Date: 6/9/03 Sample Time: 1245 Laboratory Analysis: BTEX (ppm) TPH NI OVM/PID 0.0 units	<u>Q</u> (ppm)
Refer to attached map for sample location. Labor	catory results attached
AS AN AGENT FOR HALLADOR, LLP, I HEREBY CERTIFY TO COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	THAT THE INFORMATION ABOVE IS TRUE AND
Date: 7/1/p/3	
Signature:	
Print Name: John Hagstrom	
Title: <u>Environmental Technician</u>	



DATE 1/9/00 BY J#H

SUBJECT HONTON 3

1650' FNL 1550' FEL S 13 TOON RIDIN SAN JUAN COUNTY



612 E. Murray Drive Farmington, NM 87499

Off: (505) 327-1072 FAX: (505) 327-1496

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P.O. Box 3788 Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

CLIENT:

Souder, Miller & Associates

Work Order:

0306018

Project:

1114128: Horton 3 Landfarm

Lab ID:

0306018-001A

Date: 17-Jun-03

Client Sample Info: Horton 3

Client Sample ID: Landfarm Sample

Collection Date: 6/9/2003 12:45:00 PM

Matrix: SOIL

Parameter	Result	PQL Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28	ND	SW8015B 25.0 mg/Kg	1	Analyst: JEM 6/16/2003
GASOLINE RANGE ORGANICS T/R Hydrocarbons: C6-C10	ND	SW8015B 4.50 mg/Kg	25	Analyst: JEM 6/16/2003

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted precision limits

E - Value above Upper Quantitation Limit - UQL

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