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REPORTS

DATE: 12-4-1998

31 W. ILLINOIS HOBBS, NEW MEXICO 88240 (505) 392-2236 FAX (505) 392-6949 EDDIE SEAY CONSULTING

ENVIRONMENTAL, GEOLOGICAL & REGULATORY SPECIALISTS





December 4, 1998

NMOCD P.O. Box 1980 Hobbs, NM 88240 ATTN: Wayne Price DEC 1 1998 Environment Burdau Off Consol attion Division

Dear Sir:

Within is the information pertaining to the closure of the pits in Eunice, NM. The closure activities went according to closure plan, all excavated material was taken to an approved OCD permitted facility and clean ambient soil was purchased from landowner for backfilling and mounding. Analysis, photographs and closure reports are included. If you have any questions or need additional information, please call.

Sincerely,

Plan u

Eddie W. Seav, Agent



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

June 6, 1998

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (2023) 393-6161

John H. Hendrix Corp. (JHHC) P.O. Box 910 Eunice, NM 88231

Re: Pit Closures Eunice NM Area

Dear Mr. Hendrix:

New Mexico Oil Conservation Division (NMOCD) is in receipt of the pit closure plan (attached) for the four pits in the Eunice, NM as referenced above and submitted by Mr. Eddie Seay. The NMOCD hereby approves of the pit closure plan as is and subject to the "OCD APPROVAL CONDITIONS FOR RCRA EXEMPT UNLINED CLOSURES" attached hereto and the following additional conditions;

- 1. In addition Item #5 shall include TPH, BTEX, and Chlorides.
- 2. JHHC did not include a time schedule, so NMOCD will set a time. The pits shall be closed within 180 days from receipt of this letter. NMOCD can allow additional time for a good cause shown.

Please be advised that NMOCD approval of this plan does not relieve JHHC of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD District I approval does not relieve JHHC of responsibility for compliance with any other federal, state, or local laws and/or regulations.

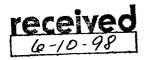
If you require any further information or assistance please do not hesitate to call (505-393-6161) or write this office.

Sincerely Yours,

upre in

Wayne Price-Environmental Engineer

file: wp98/JHPITS



cc: Chris Williams-NMOCD District I Supervisor Mark Ashley-Environmental Bureau, Santa Fe, NM Eddie W. Seay, Agent

attachments- copy of closure work plan & pits inventory forms, approval conditions & pit closure forms.

CLOSURE PLAN

All the pits in question are located approximately 5 miles SE of Eunice, NM in Lea County. The pits are netted and fenced, but do not appear to have been used in several years.

The groundwater most likely to be affected occurs at approximately 125 ft., which is an alluvium water formation that flows southeasterly. The nearest water well is located northwest, approximately 3/4 of a mile from the closest pit.

We would like to close these pits in the following manner:

- 1) The pits contain exempt oil and gas waste from production.
- 2) Remove any liquid and dispose of at an OCD approved disposal.
- 3) Remove tank bottoms and solids and haul to an approved OCD reclaimer or disposal site.
- 4) Excavate contaminated soils to the surface and haul to an approved OCD disposal facility or landfarm.
- 5) Test the bottom of the excavated area until a TPH level is met that will satisfy the OCD requirement.
- 6) Backfill the area with ambient soil, mounding to prevent ponding or runoff.
- 7) Clean area and seed.
- 8) Photograph and file final closure.



District I P.O. Box 1980. Hobbs. NM District II P.O. Drawer DD, Anesia. NM 88211 .strict III 1000 Rio Brazos Rd, Azzee, NM 87410 State of New Mexico Energy, Minerals and Natural Resources Department

> OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

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(Revised 3/9/94)

Operator: John H. Hendrix Corp.	Telephone: (505) 394-2649
Address: P.O. Box 910 Sunice, MM 88	231
Facility Or: All Drinkard Well Name	
Location: Unit or Qtr/Qtr Sec_Unit I Se	
Pit Type: Separator Dehydrator O	ther <u>BS</u> Pit
Land Type: BLM, State, Fee \underline{X}	, Other
Pit Location: Pit dimensions: length Attach diagram) Reference: wellhead Footage from reference: Direction from reference	, other Tank Battery
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) 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)	Yes (20 points) No (0 points) <u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
	RANKING SCORE (TOTAL POINTS): 0

Date Remediation Sta	arted:	October 5, 1998 Date Completed: December 4, 1998
	Excava	ation \underline{X} Approx. cubic yards <u>180</u>
(Check all appropriate sections)	Landfa	armed <u>X</u> Insitu Bioremediation
	Other	Solids and BS hauled to Sundance Disposal.
		Soils hauled to EPI Landfarm.
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: C	Onsite Offsite <u>Sundance Disposal - Eunice</u> EPI Landfarm - Eunice
General Description	Of Ren	medial Action: Excavated solids and BS and hauled
to Sundance Disposa	ls. Er	xcavated soil and hauled to EPI Landfarm. Left pit
open for 4 to 5 day	s, tool	k composite sample of bottom of pit area. After
results were obtain	ed, hau	uled clean ambient soil, purchased from landowner
back into pit and m	ounded.	•
Final Pit: Closure Sampling: (if multiple samples, attach sample results	Sample	e location Composite of bottom of pit area
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample	e location <u>Composite of bottom of pit area</u> e depth <u>3 ft.</u> e date <u>11-20-98</u> Sample time <u>9:30 am</u> e Results
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample Sample Sample	e depth <u>3 ft.</u> e date <u>11-20-98</u> Sample time <u>9:30 am</u>
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Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample Sample Sample E	e depth <u>3 ft.</u> e date <u>11-20-98</u> Sample time <u>9:30 am</u> e Results Benzene(ppm) <u><.002</u> Total BTEX(ppm)
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample Sample Sample I J	e depth <u>3 ft.</u> e date <u>11-20-98</u> Sample time <u>9:30 am</u> e Results Benzene(ppm) <u><.002</u> Total BTEX(ppm) Field headspace(ppm)
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample	Sample Sample Sample E T T T S T T T T T T T T T T T T T T T	e depth <u>3 ft.</u> e date <u>11-20-98</u> Sample time <u>9:30 am</u> e Results Benzene(ppm) <u><.002</u> Total BTEX(ppm) Field headspace(ppm) TPH <u><10</u> INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample	Sample Sample Sample E T T T S T T T T T T T T T T T T T T T	e depth <u>3 ft.</u> e date <u>11-20-98</u> Sample time <u>9:30 am</u> e Results Benzene(ppm) <u><.002</u> Total BTEX(ppm) Field headspace(ppm) TPH <u><10</u> INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST



PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR EDDIE SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88240 FAX TO:

Receiving Date: 11/20/98 Reporting Date: 11/23/98 Project Owner: JOHN H. HENDRIX Project Name: A.M. DRINKARD Project Location: EUNICE, NM 1.30-22-38 Sampling Date: 11/20/98 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: BC/AH

LAB NUMBE	R SAMPLE ID	TPH (mg/Kg)	Cl (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS D	ATE:	11/20/98	11/23/98	11/20/98	11/20/98	11/20/98	11/20/98
H3936-1	PIT SAMPLE #1	<10	674	<0.002	<0.002	<0.002	<0.006
	CLOSURE						
Quality Contr	rol	2628	1301	0.107	0.100	0.098	0.293
True Value Q	C	3000	1319	0.100	0.100	0.100	0.300
% Accuracy		87.6	98.6	107	100	97.7	97.8
Relative Perc	ent Difference	13.5	0.2	10.5	0.4	1.5	1.6

METHODS:

TRPHC-EPA SW-846 8015 M;CI-EPA 600/4-79-020 325.3 BTEX-EPA SW-846 8260-8020

H3936-1.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

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† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

JOHN H. HENDRIX CORPORATION A. M. DRINKAFD LEASE UNIT I. SEC 30. 225. R38E







District I P.O. Box 1980, Hobbs, NM District II P.O. Drawer DD, Arcsia, NM 88211 .strict III 1000 Rio Brazos Rd, Azzee, NM 87410

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 District I
 State of New Mexico

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

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088 SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

I.

(Revised 3/9/94)

Operator: John H. Hendrix Corp.	Telephone: (505)394-2649
Address: P.O. Box 910 Eunice, MR 882	31
Facility Or: Drinkard Estate Well Name	
Location: Unit or Qtr/Qtr SecUnit G Se	c <u>25</u> <u>T</u> 22 <u>R</u> 37 County Lea
Pit Type: Separator Dehydrator O	ther BS Pit
Land Type: BLM, State, Fee \underline{X}	, Other
Pit Location: Pit dimensions: length Attach diagram) Reference: wellhead Footage from reference: Direction from reference	, other Mank Battery
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) 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)	Yes (20 points) No (0 points)
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

Date Remediation St	arted: October 5, 1998 Date Completed: December 4, 1998
	Excavation <u>x</u> Approx. cubic yards <u>192</u>
(Check all appropriate sections)	Landfarmed X Insitu Bioremediation
	Other BS and solids to Sundance Disposals
Remediation Locatio	on: Onsite Offsite Sundance Disposals - Eunice
(ie. landfarmed onsite) name and location of offsite facility)	EPI Landfarm - Eunice
General Description	Of Remedial Action: Excavated BS and solids and hauled
	1. Excavated contaminated soil and hauled to EPI Landfarm
Left pit open 4 to	5 days; took composite sample of bottom, after results
were obtained, new	clean ambient soil was purchased from landowner for
backfillings and mo	oundings.
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	tered: No v Vos Donth
Fround Water Encour	ntered: No <u>X</u> Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Atered: No <u>X</u> Yes <u>Depth</u> <u>Depth</u> <u>Sample location</u> <u>Composite of bottom at 8 ft.</u>
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	
Final Pit: Closure Sampling: (if multiple samples, attach sample results	Sample location Composite of bottom at 8 ft.
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottom at 8 ft.
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottom at 8 ft. Sample depth 8 ft. Sample date 11-20-98 Sample time 10:30 am
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottom at 8 ft. Sample depth 8 ft. Sample date 11-20-98 Sample time 10:30 am Sample Results
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottom at 8 ft. Sample depth8 ft. Sample date <u>11-20-98</u> Sample time <u>10:30 am</u> Sample Results Benzene(ppm) ≤.002
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottom at 8 ft. Sample depth <u>8 ft.</u> Sample date <u>11-20-98</u> Sample time <u>10:30 am</u> Sample Results Benzene(ppm) <.002 Total BTEX(ppm)
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample locationComposite of bottom at 8 ft. Sample depth8 ft. Sample date <u>11-20-98</u> Sample time <u>10:30 am</u> Sample Results Benzene(ppm) ≤.002 Total BTEX(ppm) Field headspace(ppm)
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample	Sample location Composite of bottom at 8 ft. Sample depth8 ft. Sample date <u>11-20-98</u> Sample time <u>10:30 am</u> Sample Results Benzene(ppm) ≤.002 Total BTEX(ppm) Field headspace(ppm) TPH TPH TPH AT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample	Sample location <u>Composite of bottom at 8 ft.</u> Sample depth <u>8 ft.</u> Sample date <u>11-20-98</u> Sample time <u>10:30 am</u> Sample Results Benzene(ppm) ≤.002 Total BTEX(ppm) Field headspace(ppm) TPH <u>1193</u> e: Yes <u>No X</u> (If yes, attach sample results) EAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST DELIEF



PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR EDDIE SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88240 FAX TO:

Receiving Date: 11/20/98 Reporting Date: 11/23/98 Project Owner: JOHN H. HENDRIX Project Name: DRINKARD ESTATE LEASE Project Location: EUNICE, NM G.25-22-37 Sampling Date: 11/20/98 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: BC/AH

LAB NUMBEI	R SAMPLE ID	TPH	CI	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS D	ATE:	11/20/98	11/23/98	11/20/98	11/20/98	11/20/98	11/20/98
H3936-3	PIT SAMPLE #3	1193*	2601	<0.002	<0.002	<0.002	<0.006
	CLOSURE						
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Quality Contr	rol	2628	1301	0.107	0.100	0.098	0.293
True Value Q		3000	1319	0.100	0.100	0.100	0.300
% Accuracy		87.6	98.6	107	100	97.7	97.8
Relative Perc	ent Difference	13.5	0.2	10.5	0.4	1.5	1.6

METHODS: TRPHC-EPA SW-846 8015 M;CI-EPA 600/4-79-020 325.3 BTEX-EPA SW-846 8260-8020

*Alkane Range: C12-C30

WR3/41 Date

H3936-3.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603	101 East Mariand, Hobbs, NM 88240
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- (915) 873.7001 Fey (915) 873.7020	(505) 393-2326 Fax (505) 393-2476	
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+ Cardinal cannot accept verbal changes. Please fax written changes to 915-873-7020.

JOHN H. HENDRIX CORPORATION DRINKARD ESTATE LEASE UNIT G. SEC 25. T225. R37E







District I P.O. Box 1980, Hobbs, NM District II P.O. Drawer DD, Arcsia, NM 88211 .strict III 1000 Rio Brazos Rd, Azec, NM 87410

 District I
 State of New Mexico

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

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088 SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

(Revised 3/9/94)

Operator: John H. Hendrix Corp.	Telephone: (505)394-2649
Address: P.O. Box 910 Eunice, NE	88231
Facility Or: Cosotot %1 Well Name	
Location: Unit or Qtr/Qtr Sec_Unit G	_ Sec_12 <u>T_22</u> <u>R_37</u> County Lea
Pit Type: Separator Dehydrator	Other BS Pit
Land Type: BLM, State, Fee	X_, Other
(Attach diagram) Reference: wellhead Footage from referen	gth 15 , width 15 , depth 12 , other Tank Battery ce: 50 ft. ence: Degrees East North X West South
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) 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)	Yes (20 points) No (0 points) <u>O</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

Date Remediation St	arted: October 5, 1998 Date Completed: December 4, 1998
Remediation Method:	
(Check all appropriate sections)	Landfarmed X Insitu Bioremediation
	Other BS and solids hauled to Sundance Disposals
	on: Onsite Offsite <u>Sundance Disposal - Eunice</u>
(ie. landfarmed onsite, name and location of offsite facility)	EPI Landiarm - Eunice
General Description	Of Remedial Action: Excavated BS and solids and hauled to
Sundance Disposal.	Excavated contaminated soils to EPI Landfarm. Left pit
open 4 to 5 days;	took composite sample of bottom of pit area, after results
were obtained, sta	arted backfilling with ambient soil purchased from
landowner.	
Ground Water Encour	atered: No X Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	sample location Composite of bottoms of pit.
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottoms of pit.
Final Pit: Closure Sampling: (if multiple samples, attach sample results	Sample location Composite of bottoms of pit.
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottoms of pit.
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottoms of pit. Sample depth 12 ft. Sample date 11-20-98 Sample time
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottoms of pit. Sample depth 12 ft. Sample date 11-20-98 Sample Results Sample Results
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location <u>Composite of bottoms of pit.</u> Sample depth <u>12 ft.</u> Sample date <u>11-20-98</u> Sample time <u>11:30 am</u> Sample Results Benzene(ppm) <.002
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location <u>Composite of bottoms of pit.</u> Sample depth <u>12 ft.</u> Sample date <u>11-20-98</u> Sample time <u>11:30 am</u> Sample Results Benzene(ppm) <.002 Total BTEX(ppm)
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample locationComposite of bottoms of pit. Sample depth12 ft. Sample date 11-20-98Sample time11:30 am Sample Results Benzene(ppm) ≤.002 Total BTEX(ppm) Field headspace(ppm)
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample HEREBY CERTIFY TH F MY KNOWLEDGE AND	Sample location Composite of bottoms of pit. Sample depth 12 ft. Sample date 11:30 em Sample Results Benzene(ppm) ≤.002 Total BTEX(ppm) Field headspace(ppm) TPH State the sample results for the sample results for the set of the
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample	Sample location <u>Composite of bottoms of pit</u> . Sample depth <u>12 ft</u> . Sample date <u>11-20-98</u> Sample time <u>11:30 am</u> Sample Results Benzene(ppm) <u><.002</u> Total BTEX(ppm) Field headspace(ppm) TPH <u>308</u> are: Yes No <u>XX</u> (If yes, attach sample results) EXAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST BELLIEF



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR EDDIE SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88240 FAX TO:

Receiving Date: 11/20/98 Reporting Date: 11/23/98 Project Owner: JOHN H. HENDRIX Project Name: COSOTOT #1 Project Location: EUNICE, NM I.30-22-38 Sampling Date: 11/20/98 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: BC/AH

LAB NUMBEI	R SAMPLE ID	TPH (mg/Kg)	Cl (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS D	ATE:	11/20/98	11/23/98	11/20/98	11/20/98	11/20/98	11/20/98
H3936-4	PIT SAMPLE #4	308*	250	<0.002	< 0.002	<0.002	<0.006
	CLOSURE						
			· · · · · · · · · · · · · · · · · · ·				
Quality Contr	rol	2628	1301	0.107	0.100	0.098	0.293
True Value Q)C	3000	1319	0.100	0.100	0.100	0.300
% Accuracy	a a second de la construction de la construction de la construction de la construction de la construction de la	87.6	98.6	107	100	97.7	97.8
Relative Perc	ent Difference	13.5	0.2	10.5	0.4	1.5	1.6

METHODS:

DS: TRPHC-EPA SW-846 8015 M;CI-EPA 600/4-79-020 325.3 BTEX-EPA SW-846 8260-8020

*Alkane Range: C15-C30

Coth

H3936-4.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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R A	KDINA	L LAL	SORA	IORIES	i, INC

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page____ of _

Company Name: Edding Sean Consulting									. ,	ANALYSIS REQUEST																
Project Manager:	Eddie Soon				1			27	11			PO	<u>k</u>				Τ									
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† Cardinal cannot accept verbal changes. Please fax written changes to 915-873-7020.









District I P.O. Box 1980, Hobbs, NM District II B.O. Drawer DD, Arcsia, NM 88211 Strict III 1000 Rio Brazos Rd, Azzec, NM 87410

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 District I
 State of New Mexico

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

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088 SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

(Revised 3/9/94)

Operator: John H. Hendrix Corp.	Telephone: (505)394-2649
Address: P.O. Box 910 Eunice. NA 88	3231
Facility Or: <u>Gulf Drinkard</u>	
Location: Unit or Qtr/Qtr Sec_Unit L Se	c_30 <u>r_22</u> <u>R_38</u> County_Lea
Pit Type: Separator Dehydrator O	ther_BS_Pit
Land Type: BLM, State, Fee \underline{X}	, Other
Pit Location: (Attach diagram)Pit dimensions: length Reference: wellheadFootage from reference: Direction from reference	, other Tank Battery
Depth To Ground Water: {Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) 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)	Yes (20 points) No (0 points)
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

Date Remediation St	arted: October 5, 1998 Date Completed: December 4, 1998
	Excavation <u>x</u> Approx. cubic yards 279
(Check all appropriate sections)	Landfarmed X Insitu Bioremediation
	Other Hauled BS and solids to Sundance Dsiposals
Remediation Locatio	
(ie. landfarmed onsite) name and location of offsite facility)	EPI Landfarm - Eunice
General Description	Of Remedial Action: Excavated BS and solids and hauled
	al. Excavated contaminated soils to EPI Landfarm. Left
pit open to atmosp	where 4 to 5 days; took composite sample of bottom; after
analysis were retu	rned, hauled clean ambient soil back into pit. Soil
purchased from lan	downer.
	·
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample location Composite of bottom
locations and depths)	Sample date 11-20-98 Sample time 8:30 am
	Sample Results
	Benzene(ppm) <.002
	Benzene(ppm) <.002 Total BTEX(ppm)
	Total BTEX(ppm)
	Total BTEX(ppm) Field headspace(ppm)
Ground Water Sample	Total BTEX(ppm)
HEREBY CERTIFY TH	Total BTEX(ppm) Field headspace(ppm) TPH ≤ 10 Yes No X (If yes, attach sample results) NAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST
	Total BTEX(ppm) Field headspace(ppm) TPH ≤ 10 Yes No X (If yes, attach sample results) MAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST D BELIEF



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR EDDIE SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88240 FAX TO:

Receiving Date: 11/20/98 Reporting Date: 11/23/98 Project Owner: JOHN H. HENDRIX Project Name: GULF DRINKARD Project Location: EUNICE, NM I.30-22-38 Sampling Date: 11/20/98 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: BC/AH

		TPH				ETHYL	TOTAL
LAB NUMBER	B NUMBER SAMPLE ID		CI	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DA	TE:	11/20/98	11/23/98	11/20/98	11/20/98	11/20/98	11/20/98
H3936-2	PIT SAMPLE #2	<10	674	<0.002	<0.002	< 0.002	<0.006
	CLOSURE						
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Quality Contro	·····	2628	1301	0.107	0.100	0.098	0.293
True Value QC		3000	1319	0.100	0.100	0.100	0.300
% Accuracy	······································	87.6	98.6	107	100	97.7	97.8
Relative Perce	nt Difference	13.5	0.2	10.5	0.4	1.5	1.6

METHODS:

TRPHC-EPA SW-846 8015 M;CI-EPA 600/4-79-020 325.3 BTEX-EPA SW-846 8260-8020

PLEASE SUCTS, Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603	101 East Mariand, Hobbs, NM 88240
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(915) 673-7001 Fax (915) 673-7020 (505) 393-2328 Fax (505) 393-2476

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Project Manager:	Eddi, Soni						111			PO #	t .					T	Γ	Γ						
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