

1R - 166

REPORTS

DATE:

12-4-1998

EDDIE SEAY CONSULTING

ENVIRONMENTAL,
GEOLOGICAL & REGULATORY
SPECIALISTS

PEAK
CONSULTING SERVICES



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

December 4, 1998

NMOCD
P.O. Box 1980
Hobbs, NM 88240
ATTN: Wayne Price

RECEIVED

DEC 1 1998

Environmental Bureau
Oil Conservation 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,

Eddie W. Seay, Agent



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

June 6, 1998

POST OFFICE BOX 1880
HOBBS, NEW MEXICO 88241-1880
(505) 393-8181

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,

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.

received
6-10-98

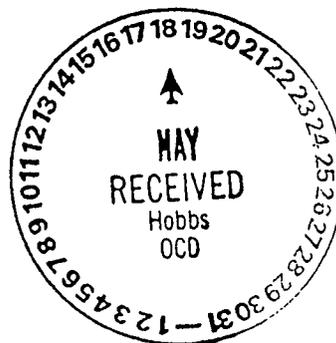
CLOSURE PLAN

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, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, 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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: John H. Hendrix Corp. Telephone: (505)394-2649

Address: P.O. Box 910 Eunice, NM 88231

Facility Or: AK Drinkard
Well Name

Location: Unit or Qtr/Qtr Sec Unit I Sec 30 T 22 R 38 County Lea

Pit Type: Separator Dehydrator Other BS Pit

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 40, width 20, depth 3
(Attach diagram)

Reference: wellhead , other Tank Battery

Footage from reference: 50 ft. west

Direction from reference: _____ Degrees _____ East North _____
of
 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) 0

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) 0

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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: October 5, 1998 Date Completed: December 4, 1998

Remediation Method: Excavation Approx. cubic yards 180
(Check all appropriate sections) Landfarmed Insitu Bioremediation

Other Solids and BS hauled to Sundance Disposal.
Soils hauled to EPI Landfarm.

Remediation Location: Onsite Offsite Sundance Disposal - Eunice
(ie. landfarmed onsite, name and location of offsite facility) EPI Landfarm - Eunice

General Description Of Remedial Action: Excavated solids and BS and hauled to Sundance Disposals. Excavated soil and hauled to EPI Landfarm. Left pit open for 4 to 5 days, took composite sample of bottom of pit area. After results were obtained, hauled clean ambient soil, purchased from landowner back into pit and mounded.

Ground Water Encountered: No Yes Depth

Final Pit: Sample location Composite of bottom of pit area

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 3 ft.

Sample date 11-20-98 Sample time 9:30 am

Sample Results

Benzene (ppm) <.002

Total BTEX (ppm)

Field headspace (ppm)

TPH <10

Ground Water Sample: Yes No (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11/7/98

SIGNATURE Eddie W. Seay PRINTED NAME Eddie W. Seay
AND TITLE Agent



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 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 NUMBER	SAMPLE ID	TPH (mg/Kg)	CI (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		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 Control		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 Percent 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


 Burgess J. A. Cooke, Ph. D.

11/23/98
 Date

H3936-1.XLS

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JOHN H. HENDRIX CORPORATION

A. M. DRINKARD LEASE

UNIT I, SEC 30, T22S, R38E







District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, 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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: John H. Hendrix Corp. Telephone: (505)394-2649

Address: P.O. Box 910 Eunice, NM 88231

Facility Or: Drinkard Estate
Well Name

Location: Unit or Qtr/Qtr Sec Unit G Sec 25 T 22 R 37 County Lea

Pit Type: Separator Dehydrator Other BS Pit

Land Type: BLM , State , Fee X, Other

Pit Location: Pit dimensions: length 20, width 20, depth 8
(Attach diagram)

Reference: wellhead , other Bank Battery

Footage from reference: 50 ft.

Direction from reference: _____ Degrees _____ East North X
of
_____ West South _____

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than 1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: October 5, 1998 Date Completed: December 4, 1998

Remediation Method: Excavation Approx. cubic yards 192
(Check all appropriate sections) Landfarmed Insitu Bioremediation
Other BS and solids to Sundance Disposals

Remediation Location: 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 to Sundance Disposal. 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 moundings.

Ground Water Encountered: No Yes Depth

Final Pit: Sample location Composite of bottom at 8 ft.

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 8 ft.

Sample date 11-20-98 Sample time 10:30 am

Sample Results

Benzene(ppm) <.002

Total BTEX(ppm)

Field headspace(ppm)

TPH 1193

Ground Water Sample: Yes No (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11/7/98

SIGNATURE Eddie W. Seay

PRINTED NAME AND TITLE Eddie W. Seay Agent



CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name: <i>Eddie Seay Consulting</i>	BILL TO	PO #:
Project Manager: <i>Eddie Seay</i>	Company:	
Address: <i>601 W Illinois</i>	Attn: <i>Jenny</i>	
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>	Address:	
Phone #: <i>2-2234</i>	City:	
Fax #:	State:	
Project #: <i>Pit Closure</i> Project Owner: <i>John H. Hendrix</i>	Phone #:	
Project Name: <i>Drinkard St. Lease</i>	Fax #:	
Project Location: <i>Eunice, N.M. G-25-22-37</i>		

ANALYSIS REQUEST																				
LAB I.D.	Sample I.D.	(GRAB OR COMPOUND)	# CONTAINERS	MATRIX			PRES.	SAMPLING												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID:	ICE / COOL	OTHER:	DATE	TIME						
<i>H3930-3</i>	<i>Pit Sample #3 Closure</i>	<input checked="" type="checkbox"/>	<i>2</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<i>11/20</i>	<i>10:30 AM</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: <i>Eddie Seay</i>	Date: <i>11/20</i>	Received By:	Phone Result <input type="checkbox"/> Yes <input type="checkbox"/> No	Additional Fax #: <input type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By:	Time: <i>2:50</i>	Received By: (Lab Staff)	REMARKS:	
Delivered By: (Circle One)	Date: <i>11/20/08</i>	<i>Jenny Hill</i>		
Sampler - UPS - Bus - Other:	Time: <i>2:30</i>	Sample Condition		
		Cool Intact		
		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes		
		<input type="checkbox"/> No <input type="checkbox"/> No		
		CHECKED BY: (Initials)		

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



JOHN H. HENDRIX CORPORATION

DRINKARD ESTATE LEASE

UNIT G, SEC 25, T22S, R37E









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 NUMBER	SAMPLE ID	TPH (mg/Kg)	CI (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		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 Control		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 Percent 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: C15-C30

Burgess J. G. Cooke
 Burgess J. G. Cooke, Ph. D.

11/23/98
 Date

H3936-4.XLS

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JOHN H. HENDRIX CORPORATION
COSSATOT LEASE #1
UNIT G, SEC. 12, T22S, R37E







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District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, 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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: John H. Hendrix Corp. Telephone: (505)394-2649

Address: P.O. Box 910 Eunice, NM 88231

Facility Or: Gulf Drinkard
Well Name

Location: Unit or Qtr/Qtr Sec Unit L Sec 30 T 22 R 38 County Lea

Pit Type: Separator Dehydrator Other BS Pit

Land Type: BLM , State , Fee X, Other

Pit Location: Pit dimensions: length 20, width 20, depth 3
(Attach diagram)

Reference: wellhead , other Tank Battery

Footage from reference: 50 ft.

Direction from reference: _____ Degrees _____ East North _____
of
_____ West South X

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points) 0
(Less than 200 feet from a private No (0 points)
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0



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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

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	CI (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		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						
Quality Control		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 Percent 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


 Burgess A. Cooke, Ph. D.

11/23/98
 Date

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JOHN H. HENDRIX CORPORATION
GULF-DINKARD LEASE
UNIT L, SEC 30, T22S, R38E





