

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

Form C-144  
June 1, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>Amerada Hess Corporation</u> Telephone: <u>(432)758-6738</u> e-mail address: <u>cmoore@hess.com</u>		
Address: <u>P. O. Box 840 Seminole, TX 79360</u>		
Facility or well name: <u>Fred Turner Jr. C #2</u> API #: <u>30-025-37059</u> U/L or Qtr/Qtr <u>E</u> Sec <u>17</u> T <u>20S</u> R <u>38E</u>		
County: <u>Lea</u> Latitude <u>N32°34'26.7"</u> Longitude <u>W103°10'30.8"</u> NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil (reinforced) Clay <input type="checkbox"/> Pit Volume <u>3300</u> bbl	<b>Below-grade tank</b> Volume: <u>      </u> bbl Type of fluid: <u>      </u> Construction material: <u>      </u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>      </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	<u>Less than 50 feet</u> 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 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.)	<u>Yes</u> No	(20 points) ( 0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	<u>Less than 200 feet</u> 200 feet or more, but less than 1000 feet <u>1000 feet or more</u>	(20 points) (10 points) ( 0 points)
<b>Ranking Score (Total Points)</b>		<b>40</b>

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility Sundance Services, Inc. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface        ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 12/21/05

Printed Name/Title Jay S. Baker / Sr. Production Foreman Signature Jay Baker

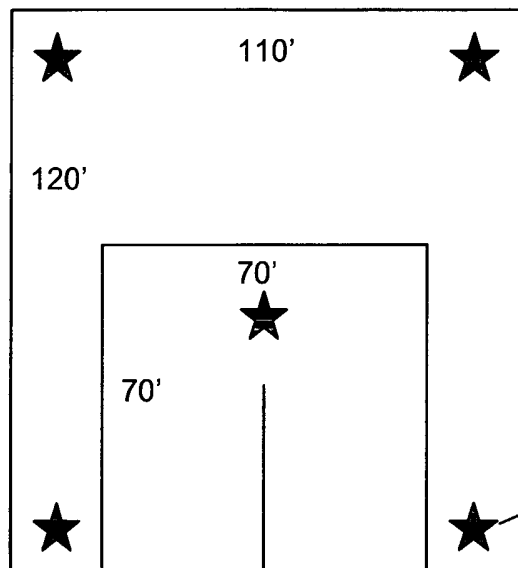
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

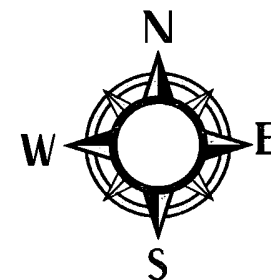
Printed Name/Title GARY W. WINK / STAFF MGR Signature Gary W. Wink Date: 12/29/05

**DRILLING PIT CLOSURE  
FRED TURNER C #2**

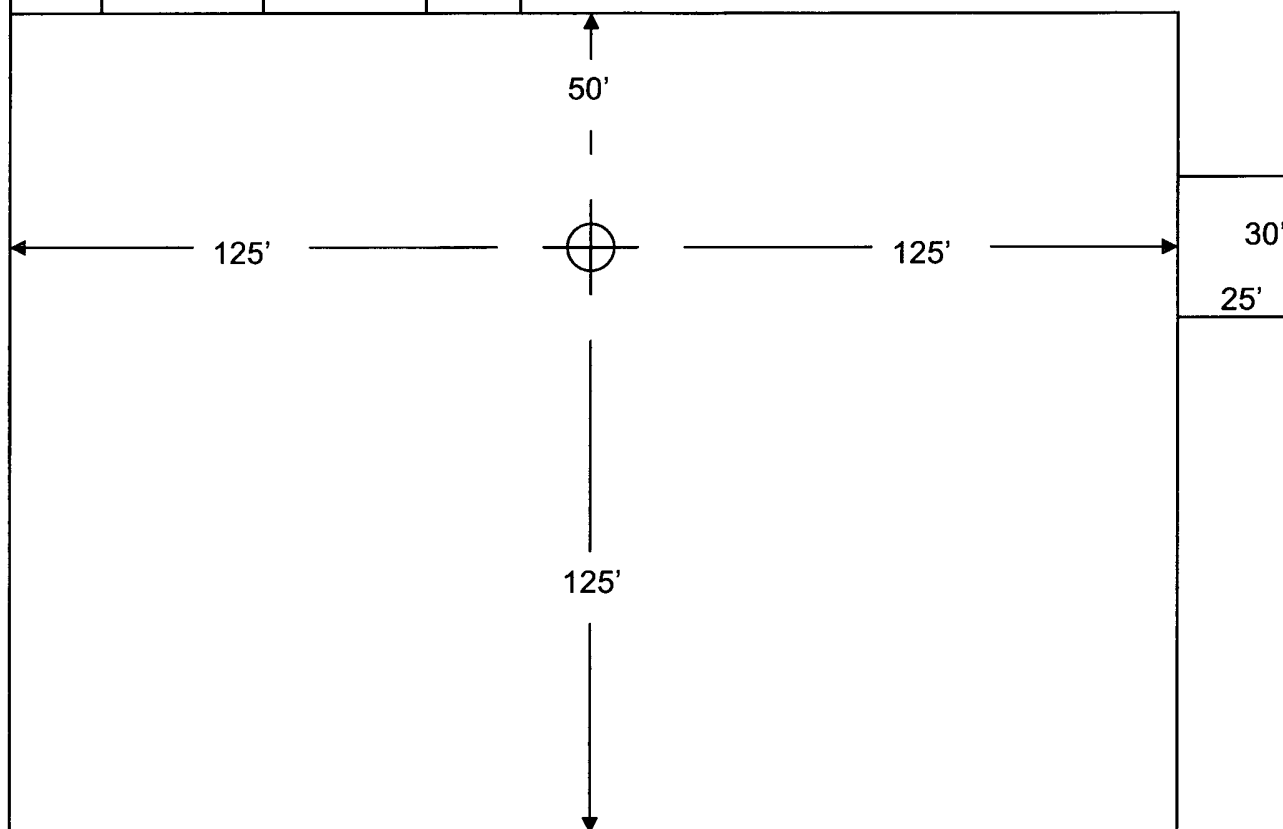
- Pit contents were dried through fluid hauling and evaporation.
- From 10/26/05 to 10/27/05, a total of 1,800 yards of drill cuttings and liner were excavated and trucked to a NMOCD approved site, Sundance Services, Inc. in Eunice, NM.
- Soil samples were taken including one from each corner of the pit and one from the center, for a total of five (noted on attached diagram). The center sample was analyzed for TPH and chlorides. The four corner samples were analyzed for TPH, BTEX and chlorides. The results are attached.
- Once levels were confirmed to be within NMOCD guidelines, the pit area was restored using clean material excavated during pit construction.
- Pit area was leveled, contoured and reseeded.



**AMERADA HESS CORPORATION  
FRED TURNER JR. C #2 PIT DIAGRAM  
UNIT E, SEC. 17, T-20S, R-38E, LEA COUNTY, NM**



Soil Sample Location





PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR  
AMERADA HESS CORP.  
ATTN: JAY BAKER  
P.O. DRAWER D  
MONUMENT, NM 88265  
FAX TO: (505) 391-9895

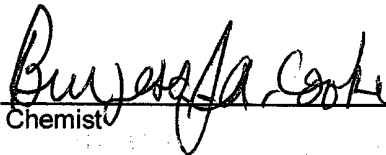
Receiving Date: 10/31/05  
Reporting Date: 11/01/05  
Project Number: NOT GIVEN  
Project Name: FRED TURNER  
Project Location: C-#2

Sampling Date: 10/28/05  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
		10/31/05	10/31/05	11/01/05
H10357-1	NORTHEAST CORNER #1	<10.0	<10.0	64
H10357-2	SOUTHEAST CORNER	<10.0	<10.0	32
H10357-3	NORTHWEST CORNER	<10.0	<10.0	48
H10357-4	NORTHEAST CORNER #2	<10.0	<10.0	16
Quality Control		756	744	990
True Value QC		800	800	1000
% Recovery		94.5	92.9	99.0
Relative Percent Difference		8.8	3.4	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

\*Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

11/1/05  
Date

H10357A.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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ANALYTICAL RESULTS FOR  
AMERADA HESS CORP.  
ATTN: JAY BAKER  
P.O. DRAWER D  
MONUMENT, NM 88265  
FAX TO: (505) 391-9895

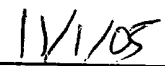
Receiving Date: 10/31/05  
Reporting Date: 11/01/05  
Project Number: NOT GIVEN  
Project Name: FRED TURNER  
Project Location: C-#2

Sampling Date: 10/28/05  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/31/05	10/31/05	10/31/05	10/31/05
H10357-1	NORTHEAST CORNER #1	<0.005	<0.005	<0.005	<0.015
H10357-2	SOUTHEAST CORNER	<0.005	<0.005	<0.005	<0.015
H10357-3	NORTHWEST CORNER	<0.005	<0.005	<0.005	<0.015
H10357-4	NORTHEAST CORNER #2	<0.005	<0.005	<0.005	<0.015
Quality Control		0.105	0.100	0.100	0.301
True Value QC		0.100	0.100	0.100	0.300
% Recovery		105.0	100	99.9	100.0
Relative Percent Difference		5.1	9.0	3.5	2.2

METHOD: EPA SW-846 8260

  
Chemist

  
Date

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# **CARDINAL LABORATORIES, INC.**

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page \_\_\_\_ of \_\_\_\_

Company Name: <u>AMERITA HESS FRED TURNER C-4</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: <u>JAY BARNHART</u>		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015 M</div> </div>											
Address: <u>P.O. DRAWER D</u>		Company:													
City: <u>MONUMENT</u> State: <u>N.M</u> Zip: <u>88245</u>		Attn:													
Phone #: _____ Fax #: <u>505-391-9895</u>		Address: <u>SAME</u>													
Project #: _____ Project Owner: <u>AMERITA HESS</u>		City: _____													
Project Name: <u>FRED TURNER</u>		State: _____ Zip: _____													
Project Location: <u>C-4</u>		Phone #: _____													
Sampler Name: <u>5 EAST MONUMENT</u>		Fax #: _____													
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.)	# CONTAINERS	MATRIX					PRESERV.		SAMPLING				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME	
<u>H10357-1</u>	<u>*NORTH EAST CORNER #1</u>	<u>G</u>				<u>X</u>							<u>10-28</u>	<u>4:00 PM</u>	<u>X</u>
<u>-2</u>	<u>*SOUTH EAST CORNER</u>												<u>S</u>	<u>S</u>	<u>X</u>
<u>-3</u>	<u>*NORTH WEST CORNER</u>														<u>X</u>
<u>-4</u>	<u>*NORTH EAST CORNER #2</u>														<u>X</u>

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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:		Date: <u>10-31-05</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Buddy J. Anderson</u>		Time: <u>2:00</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By:		Date:	Received By: (Lab Staff)	REMARKS:
		Time:	<u>[Signature]</u>	<u>Please call Buddy Anderson @ SWEAT when samples complete 505-631-7357</u>
Delivered By: (Circle One)		Sample Condition		Checked By:
Sampler - UPS - Bus - Other:		Temp, °C Intact?		(Initials) <u>MA</u>
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.



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ANALYTICAL RESULTS FOR  
SWEATT CONSTRUCTION  
ATTN: BUDDY ANDERSON  
720 S. TEXACO RD.  
HOBBS, NM 88240  
FAX TO: (505) 391-9895

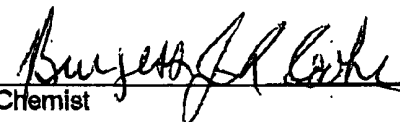
Receiving Date: 11/07/05  
Reporting Date: 11/15/05  
Project Owner: AMERADA HESS  
Project Name: FRED TURNER C-2  
Project Location: NOT GIVEN

Sampling Date: 11/04/05  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: AH  
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
		11/11/05	11/11/08	11/08/05
H10387-1	CENTER	<10.0	<10.0	80
Quality Control		781	771	1010
True Value QC		800	800	1000
% Recovery		97.6	96.4	101
Relative Percent Difference		2.8	4.9	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB

\*Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

11/15/05  
Date

H10387.XLS

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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