

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

**RECEIVED** State of New Mexico  
Energy Minerals and Natural Resources

JUN 14 2010

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

Form C-144  
June 1, 2004

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 ☒

P1-02095

Operator Cano Petro of NM Telephone 817-698-0900 e-mail address:

Address 801 Cherry St Unit #25 Suite 3200 Fort Worth, Texas 76102

Facility or well name: CSA Unit #585 API # 30-005-29026 U/L or Qtr/Qtr E Sec 14 T 8S R 30E

County: Chaves, NM Latitude N 33 37'12 4" Longitude W 103 51'29.7" NAD: 1927 ☐ 1983 ☐

Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

**Pit**

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☐ Thickness 12 mil Clay ☐

Pit Volume 2000 bbl

**Below-grade tank**

Volume: bbl Type of fluid:

Construction material:

Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet	(20 points)
50 feet or more, but less than 100 feet	(10 points)
100 feet or more	( 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 all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet	(20 points)
200 feet or more, but less than 1000 feet	(10 points)
1000 feet or more	( 0 points)

0

**Ranking Score (Total Points)**

0

**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 (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: On March 22, 2010 Safety and Environmental Solutions, Inc was onsite to obtain samples from excavated pit floor Samples were transported to

Cardinal Laboratories in Hobbs, NM under Chain-of-Custody to be analyzed for Chlorides (EPA Method 4500B), Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX EPA

Method 8260) and Total Petroleum Hydrocarbons (TPH EPA Method 418.1) See Attachment for results Upon approval from NMOCD. On May 17, 2010, Safety and

Environmental Solutions, Inc contracted Watson Construction to backfill excavated pit area and already lined deep bury trench A 20-mil liner was installed to place on top of

deep bury trench The material that was used for backfill was already stockpiled with top soil on location pad

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: 6-10-10

Printed Name/Title Rodger Butts Prod foreman Signature Rodger Butts

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 ENVIRONMENTAL ENGINEER

Signature

Date: 6-14-10



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 30, 2010

Bob Allen  
Safety & Environmental Solutions, Inc.  
703 East Clinton, #102  
Hobbs, NM 88240

Re: Cato SA 585 (CAN-10-003)

Enclosed are the results of analyses for sample number H19524, received by the laboratory on 03/23/10 at 3:30 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene  
Laboratory Director

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This report conforms with NELAP requirements.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.  
ATTN: BOB ALLEN  
703 E. CLINTON, #102  
HOBBS, NM 88240  
FAX TO: (575) 393-4388

Receiving Date: 03/23/10  
Reporting Date: 03/29/10  
Project Owner: CANO (CAN-10-003)  
Project Name: CATO SA 585  
Project Location: CHAVEZ CO., NM

Sampling Date: 03/22/10  
Sample Type: SOIL  
Sample Condition: INTACT @ 11°C  
Sample Received By: JH  
Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
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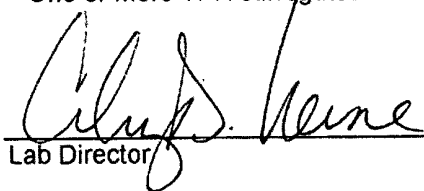
ANALYSIS DATE:	03/26/10	03/26/10	03/25/10	03/25/10	03/25/10	03/25/10	03/24/10
H19524-1 #1 8' BGS	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	< 16
H19524-2 #2 8' BGS	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	96
H19524-3 #3 8' BGS	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	448
H19524-4** #4 8' BGS	<10.0	<10.0	<0.050	<0.050	0.121	0.411	< 16
H19524-5 #5 8' BGS	<10.0	<10.0	<0.050	<0.050	<0.050	0.674	16
Quality Control	516	518	0.054	0.057	0.050	0.150	500
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	103	104	108	114	100	100	100
Relative Percent Difference	1.7	7.3	2.7	<1.0	2.5	<1.0	< 0.1

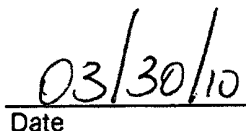
METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B

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

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

\*\*One or more TPH surrogates outside historical limits due to matrix interference.

  
Lab Director

  
Date

H19524 TBCL SESI

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: SEST		Project Manager:		Address: 703 E. CLINTON, #103		City: HOBBS		State: NM Zip: 88240		Phone #: (505) 397-0510		Fax #: (505) 393-4388		Project #: CAN-10-003		Project Owner: Cano		Project Name: Cato SA 585		Project Location: Chavez Co, NM			
FOR LAB USE ONLY		LAB I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRES.		SAMPLING		DATE		TIME					
						GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID:		ICE / COOL:		OTHER:	
		H19524-1		#1 8' bgs		6		1										3/22/10		1110			
		-2		#2 8' bgs																1115			
		-3		#3 8' bgs																1120			
		-4		#4 8' bgs																1125			
		-5		#5 8' bgs																1130			

† Cardinal cannot accept verbal changes. Please fax written changes to 315-473-7020.