Elke Environmental, Inc.

 4817 Andrews Hwy.
 Pho. 432-366-0043
 Mail: P. O. Box 14167

 Odessa, Tx. 79762
 Fax: 432-366-0884
 Odessa, Tx. 79768

December 18, 2006

Mr. Chris Williams New Mexico Oil Conservation Division 1625 N. French Dr. Hobbs, New Mexico 88240

SUBJECT: Closure Report for David H. Arrington Double Hackle Drake #1 Reserve Pit API no. 30-025-36704 U/L D Sec. 36 T16s R35e Lea County, NM

Dear Mr. Williams,

Enclosed is a copy of the initial form C-144 closure plan along with a drawing of the site indicating reserve and burial pit locations and field sample information. Also included are confirming laboratory samples and photos indicating varying stages of the pit closure.

The revised closure method is the result of a conversation between you and Logan Anderson with Elke on November 21, 2006.

As indicated by field and laboratory sample results, 3 of the 5 test points show a decline below 250 ppm in chloride content while points #1 and #2 were showing sharp declines well above groundwater. As agreed, the reserve pit berm was used to backfill to 4 ft. bgs, covered with a 20 mil impervious liner, then backfilled with clean soil and domed to prevent pooling as described in the initial C-144 closure plan. The reserve pit contents were mixed and solidified with Elke Environmental solidification product in burial pits as indicated by the drawing.

Any questions or concerns may be addressed to Robert Spangler at 432-638-4220 or Logan Anderson at 432-664-1269.

Sincerely, Hamp Kerly Hamp Kerby – Elke Environmental, Inc.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Mark E. Fesmire, P.E. Director Oil Conservation Division

12/27/2006

Hamp Kerbe, Elke Environmental, Inc.On behalf of David H. Arrington Oil and Gas Co.4817 Andrews HighwayOdessa, Texas 79762

Re: Double Hackle Drake #1 Reserve Pit API 30-025-36704 UL D Sec. 36-T16S-R35E Lea County, NM

Dear Mr. Kirby:

New Mexico Oil Conservation Division (OCD) personnel reviewed the closure report submitted by Elke Environmental, Inc. (Elke) on behalf of David H. Arrington (DHA) for the site referenced above. The closure is hereby approved according to information provided.

Please be advised that OCD approval does not relieve DHA of liability should operations result in contamination of surface water, groundwater, or the environment. In addition, OCD approval does not relieve DHA of responsibility for compliance with other federal, state or local laws and or regulations.

If you have any questions or need assistance please write or call: 505-393-6161 ext. 102, or e-mail chris.williams@state.nm.us

Sincerely,

Chris Udlam.

NMOCD District1 Supervisor



David H. Arrington Double Hackle Drake #1 Site Sketch with Sample Results 12-01-06

Sample ID	Sample Date	Depth	Cl ppm	GPS
TP1	11/15/2006	8 ft.	3309	N32°53.000 W103°25.017
	11/16/2006	10 ft.	4938	
	11/16/2006	12 ft.	1336	
	11/16/2006	14 ft.	1859	
	11/17/2006	18 ft.	1596	
	11/17/2006	20 ft.	1029	
	11/21/2006	22 ft.	727	
TP2	11/15/2006	8 ft.	1936	N32°53.015 W103°25.017
	11/16/2006	10 ft.	3115	
	11/16/2006	12 ft.	2532	
	11/16/2006	14 ft.	1724	
	11/17/2006	18 ft.	1924	
	11/17/2006	20 ft.	1646	
	11/17/2006	24 ft.	1362	
	11/21/2006	28 ft.	1474	· ·
	11/21/2006	30 ft.	1263	
	11/21/2006	31 ft.	1397	
	11/21/2006	32 ft.	687	
TP3	11/16/2006	8 ft.	6948	N32°53.001 W103°24.993
	11/16/2006	10 ft.	8049	102 00.001 1100 24.000
	11/17/2006	10 ft.	5660	
	11/17/2006	18 ft.	304	······
	11/20/2006	20 ft.	3069	······
	11/20/2006	22 ft.	575	·
	11/20/2006	24 ft.	1207	· · · · · · · · · · · · · · · · · · ·
	11/21/2006	25 ft.	562	
	11/21/2006	26 ft.	294	· · · · · · · · · · · · · · · · · · ·
	11/21/2006	28 ft.	291	······································
	11/21/2006	29 ft.	150	······································
TP4	11/16/2006	8 ft.	1794	N32°53.018 W103°24.990
11-4	11/17/2006	10 ft.	8246	N32 33.010 W103 24.990
	11/17/2006	10 ft.	3149	
	11/17/2006	20 ft.	857	
	11/17/2006	20 ft.	959	
	11/20/2006	24 ft.	723	
	11/20/2006	26 ft.	590	
	11/20/2006	28 ft.	687	
	11/21/2006	30 ft.	599	
	11/21/2006	32 ft.	351	
	11/21/2006	34 ft.	250	
TP5	11/16/2006	8 ft.	17989	N32°53.014 W103°24.999
	11/16/2006	10 ft.	12533	
	11/17/2006	12 ft.	6340	
	11/17/2006	14 ft.	4867	
	11/20/2006	16 ft.	14491	
	11/20/2006	20 ft.	14207	t
	11/20/2006	22 ft.	6069	<u>+</u>
	11/21/2006	26 ft.	2447	
	11/21/2006	20 ft.	207	
	11/16/2006		142	

David H. Arrington Double Hackle Drake #1 Reserve Pit Field Sample Chart

			Benzene					TPH	
			(ppm)					(ppm)	Chlorides
Date	Sample Pt	Depth	(8021B)	Toluene	Eth'Benz	Xylene (p/m)	Xylene (0)	(8015 M)	(ppm)
11/28/2006	TP1 BGS	22 ft.	ND	ND	ND	ND	ND	ND	659
15	TP2 BGS	32 ft.	ND	0.037	0.0216	0.106	0.0755	45.3	617
11	TP3 BGS	29 ft.	ND	ND	ND	ND	ND	ND	191
u	TP4 BGS	34 ft.	ND	ND	ND	ND	ND	18.7	351
11	TP5 BGS	28 ft.	ND	ND	ND	ND	ND	ND	53.2

David H. Arrington Double Hackle Drake #1 Reserve Pit Lab Sample Chart



Analytical Report

Prepared for:

Robert Spangler Elke Environmental P.O. Box 14167 Odessa, TX 79768

Project: David H. Arrington Project Number: Double Hackle Drake Location: None Given

Lab Order Number: 6K28012

Report Date: 11/30/06

Elke Environmental P.O. Box 14167 Odessa TX, 79768

Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TPI BGS	6K28012-01	Soil	11/28/06 08:00	11-28-2006 15:50
TP2 BGS	6K28012-02	Soil	11/28/06 08:45	11-28-2006 15:50
TP3 BGS	6K28012-03	Soil	11/28/06 09:25	11-28-2006 15:50
TP4 BGS	6K28012-04	Soil	11/28/06 09:50	11-28-2006 15:50
TP5 BGS	6K28012-05	Soil	11/28/06 10:15	11-28-2006 15:50

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Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

Organics by GC

Environmental Lab of Texas

		Reporting			<u> </u>				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
FP1 BGS (6K28012-01) Soil	·····					•			
Benzene	ND	0.0250	mg/kg dry	25	EK62715	11/28/06	11/29/06	EPA 8021B	
Foluene	ND	0.0250		-				*	
Ethylbenzene	ND	0.0250	-		•			•	
Kylene (p/m)	ND	0.0250	•		*	•	•	π	
Kylene (o)	ND	0.0250	•	*		"	•	'n	
Surrogate: a,a,a-Trifluorotoluene		80.5 %	80-1	20	"	"	#	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-1	20	n	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EK62826	11/28/06	11/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	*			-	•	×	
Carbon Ranges C28-C35	ND	10.0		-			-		
Total Hydrocarbons	ND	10.0		•	*		•	*	
Surrogate: 1-Chlorooctane		93.8 %	70-1	30	p	e ce	"	"	
Surrogate: 1-Chlorooctadecane		118 %	70-1	30	n	"	17	"	
FP2 BGS (6K28012-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK62715	11/28/06	1 1/29/06	EPA 8021B	
loluene	0.0370	0.0250	•		•			-	
Ethylbenzene	J [0.0216]	0.0250	-			۳	*		
Kylene (p/m)	0.106	0.0250			*	•	•	-	
Kylene (0)	0.0755	0.0250		-			-		
Surrogate: a,a,a-Trifluorotoluene		81.5 %	80-1.	20	"	n	n	Ħ	
Surrogate: 4-Bromofluorobenzene		<i>92.2</i> %	80-1	20	"	"	*	"	
Carbon Ranges C6-C12	14.0	10.0	mg/kg dry	1	EK62826	11/28/06	11/29/06	EPA 8015M	
Carbon Ranges C12-C28	31.3	10.0				•		-	
Carbon Ranges C28-C35	ND	10.0		-			-	•	
l'otal Hydrocarbons	45.3	10.0	•	•			*	H	
Surrogate: 1-Chlorooctane	······································	95.4 %	70-1	30	"	"	"	H	
Surrogate: 1-Chlorooctadecane		125 %	70-1	30	H	"	*	7	
ГРЗ BGS (6K28012-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK62715	11/28/06	11/28/06	EPA 8021B	
foluene	ND	0.0250		•	•	•	•	*	
Ethylbenzene	ND	0.0250		*	•	•	•		
Kylene (p/m)	ND	0.0250	*		*	-	•	•	
Kylene (o)	ND	0.0250	*	*	"	"	#	11	
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-1	20	"	*	"	#	
Surrogate: 4-Bromofluorobenzene		84.5 %	80-1	20	*	*	"	м	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EK62826	11/28/06	11/29/06	EPA 8015M	

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Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

Organics by GC Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP3 BGS (6K28012-03) Soil									-
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	· 1	EK62826	11/28/06	11/29/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	H	•		•	-	-	
Total Hydrocarbons	ND	10.0	-	*		"			
Surrogate: 1-Chlorooctane		86.6 %	70-1	30	"	"	Ħ	"	
Surrogate: 1-Chlorooctadecane		105 %	70-1	30	*	"	*		
TP4 BGS (6K28012-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK62715	11/28/06	11/28/06	EPA 8021B	
Toluene	ND	0.0250		*	*	-	-	-	
Ethylbenzene	ND	0.0250	-		-	•	-	-	
Xylene (p/m)	ND	0.0250	٠			-	-	-	
Xylene (o)	ND	0.0250	*		H	۳	-	*	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-1	20	*	"	"		
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EK.62826	11/28/06	11/29/06	EPA 8015M	
Carbon Ranges C12-C28	1 8.7	10.0	۳	-	-	•	•	-	
Carbon Ranges C28-C35	ND	10.0		•	-	•	*		
Total Hydrocarbons	18.7	10.0	*		*	۳	14	H	
Surrogate: 1-Chlorooctane		103 %	70-1	30	n	"	*	"	
Surrogate: 1-Chlorooctadecane		127 %	70-1	30	"	"	*	*	
TP5 BGS (6K28012-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK62715	11/28/06	11/28/06	EPA 8021B	
Toluene	ND	0.0250	•	•	-	*	*	-	
Ethylbenzene	ND	0.0250	•	•	•				
Xylene (p/m)	ND	0.0250	*	•				•	
Xylene (o)	ND	0.0250	*	•	*			*	
Surrogate: a,a,a-Trifluorotoluene		91.8 %	80-1	20	*	"	"	tr	
Surrogate: 4-Bromofluorobenzene		85.0 %	80-1	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EK62826	11/28/06	11/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	•	۳	-	*	•	*	
Carbon Ranges C28-C35	ND	10.0		*	•	•		•	
Total Hydrocarbons	ND	10.0		•		11	*		
Surrogate: 1-Chlorooctane		99.6 %	70-1	30	"	"	"	11	
Surrogate: 1-Chlorooctadecane		121 %	70-1	30	~	"	"	"	

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Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

General Chemistry Parameters by EPA / Standard Methods

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
TP1 BGS (6K28012-01) Soil									
Chloride	659	20.0	mg/kg Wet	2	EK63006	11/29/06	11/30/06	SW 846 9253	
% Moisture	10.3	0.1	%	1	EK62903	11/28/06	11/29/06	% calculation	
TP2 BGS (6K28012-02) Soil									
Chloride	617	20.0	mg/kg Wet	2	EK63006	11/29/06	11/30/06	SW 846 9253	
% Moisture	1.0	0.1	%	1	EK62903	11/28/06	11/29/06	% calculation	
TP3 BGS (6K28012-03) Soil									
Chloride	191	20.0	mg/kg Wet	2	EK63006	11/29/06	11/30/06	SW 846 9253	
% Moisture	6.7	0.1	%	1	EK62903	11/28/06	11/29/06	% calculation	
TP4 BGS (6K28012-04) Soil									
Chloride	351	20.0	mg/kg Wet	2	EK63006	11/29/06	11/30/06	SW 846 9253	
% Moisture	1.7	0.1	%	1	EK62903	11/28/06	11/29/06	% calculation	
TP5 BGS (6K28012-05) Soil								······································	
Chloride	53.2	20.0	mg/kg Wet	2	EK63006	11/29/06	11/30/06	SW 846 9253	
% Moisture	8.5	0.1	%	1	EK62903	11/28/06	11/29/06	% calculation	

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Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK62715 - EPA 5030C (GC)						محاديث منبر		Page Party Street August August		
Blank (EK62715-BLK1)				Prepared: 1	1/27/06 Ar	nalyzed: 11	/29/06			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250	-							
Xylene (p/m)	ND	0.0250	-							
Xylene (0)	ND	0.0250	×							
Surrogate: a,a,a-Trifluorotoluene	35.7		ug/kg	40.0		89.2	80-120			
Surrogate: 4-Bromofluorobenzene	32.9		"	40.0		82.2	80-120			
LCS (EK62715-BS1)				Prepared: 1	1/27/06 Ar	nalyzed: 11	/29/06			
Benzene	1.11	0.0250	mg/kg wet	1.25		88.8	80-120			
Toluene	1.09	0.0250	-	1.25		87.2	80-120			
Ethylbenzene	1.19	0.0250		1.25		95.2	80-120			
Xylene (p/m)	2.19	0.0250		2.50		87.6	80-120			
Xylene (o)	1.13	0.0250	*	1.25		90.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	32.5		ug/kg	40.0		81.2	80-120			
Surrogate: 4-Bromofluorobenzene	39.9		#	40.0		99.8	80-120			
Calibration Check (EK62715-CCV1)				Prepared: 1	1/27/06 Ar	nalyzed: 11	/29/06			
Benzene	44.3		ug/kg	50.0		88.6	80-120			
Toluene	42.9			50.0		85.8	80-120			
Ethylbenzene	40.3		*	50.0		80.6	80-120			
Xylene (p/m)	81.3		•	100		81.3	80-120			
Xylene (o)	43.0			50.0		86 .0	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.2		"	40.0	<u> </u>	88.0	80-120			alla(her), cons
Surrogate: 4-Bromofluorobenzene	33.1		"	40.0		82.8	80-120			
Matrix Spike (EK62715-MS1)	Sou	rce: 6K22014	1-01	Prepared: 1	1/27/06 A	nalyzed: 11	/29/06			
Benzene	1.24	0.0250	mg/kg dry	1.37	ND	90.5	80-120			
Toluene	1.20	0.0250		1.37	ND	87.6	80-120			
Ethylbenzene	1.25	0.0250	-	1.37	ND	91.2	80-120			
Xylene (p/m)	2.29	0.0250	-	2.74	ND	83.6	80-120			
Xylene (o)	1.22	0.0250	•	1.37	ND	89.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.0		ug/kg	40.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	36.7		*	40.0		91.8	80-120			

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Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK62715 - EPA 5030C (GC)			····							
Matrix Spike Dup (EK62715-MSD1)	Sour	ce: 6K22014	-01	Prepared: 1	1/27/06 A	nalyzed: 11	/29/06			
Benzene	1.18	0.0250	mg/kg dry	1.37	ND	86.1	80-120	4.98	20	
Toluene	1.17	0.0250		1.37	ND	85.4	80-120	2.54	20	
Ethylbenzene	1.24	0.0250		1.37	ND	90.5	80-120	0,770	20	
Xylene (p/m)	2,27	0.0250		2.74	ND	82.8	80-120	0.962	20	
Xylene (o)	1.22	0.0250		1.37	ND	89,1	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	32.5		ug/kg	40.0		81.2	80-120			
Surrogate: 4-Bromofluorobenzene	43.0		n	40.0		108	80-120			

Batch EK62826 - Solvent Extraction (GC)

Blank (EK62826-BLK1)				Prepared: 11/28/	06 Analyzed: 11	/29/06	
Carbon Ranges C6-C12	ND	10.0	mg/kg wet	Anna an an Anna Angela			
Carbon Ranges C12-C28	ND	10,0	*				
Carbon Ranges C28-C35	ND	10.0	•				
Total Hydrocarbons	ND	10.0	•				
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0	103	70-130	
Surrogate: 1-Chlorooctadecane	64.6		*	50.0	129	70-130	
LCS (EK62826-BS1)				Prepared: 11/28/	06 Analyzed: 11	/29/06	
Carbon Ranges C6-C12	454	10.0	mg/kg wet	500	90.8	75-125	
Carbon Ranges C12-C28	421	10.0	•	500	84.2	75-125	
Carbon Ranges C28-C35	ND	10.0		0.00		75-125	
Total Hydrocarbons	875	10.0	-	1000	87.5	75-125	
Surrogate: 1-Chlorooctane	60.1	ter fra te te sense te	mg/kg	50.0	120	70-130	
Surrogate: 1-Chlorooctadecane	65.0		"	50.0	130	70-130	
Calibration Check (EK62826-CCV1)				Prepared: 11/28/	06 Analyzed: 11	/29/06	
Carbon Ranges C6-C12	204		mg/kg	250	81.6	80-120	
Carbon Ranges C12-C28	269			250	108	80-120	
Total Hydrocarbons	473		•	500	94.6	80-120	
Surrogate: 1-Chlorooctane	54.6		ø	50.0	109	70-130	
Surrogate: 1-Chlorooctadecane	64.4		n	50.0	129	70-130	

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Organics by GC - Quality Control

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK62826 - Solvent Extraction (GC)										
Matrix Spike (EK62826-MS1)	Sou	rce: 6K28012	2-01	Prepared: 1	1/28/06 A	nalyzed: 11	/29/06			
Carbon Ranges C6-C12	596	10.0	mg/kg dry	557	ND	107	75-125			
Carbon Ranges C12-C28	548	10.0	۳	557	ND	98.4	75-125			
Carbon Ranges C28-C35	ND	10.0		0.00	ND		75-125			
Total Hydrocarbons	1140	10.0	•	1110	ND	103	75-125			
Surrogate: 1-Chlorooctane	64.2		mg/kg	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	65.0		"	50,0		130	70-130			
Matrix Spike Dup (EK62826-MSD1)	Sou	rce: 6K28012	2-01	Prepared: 1	1/28/06 A	nalyzed: 11	/29/06			
Carbon Ranges C6-C12	587	10.0	mg/kg dry	557	ND	105	75-125	1.52	20	
Carbon Ranges C12-C28	526	10.0	•	557	ND	94.4	75-125	4.10	20	
Carbon Ranges C28-C35	ND	10.0	•	0.00	ND		75-125		20	
Total Hydrocarbons	1110	10.0	*	1110	ND	100	75-125	2.67	20	
Surragate: 1-Chlorooctane	62.2		mg/kg	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	63.5		"	50.0		127	70-130			

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Project: David H. Arrington Project Number: Double Hackle Drake Project Manager: Robert Spangler

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

					~ ~ ~					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
						/urcec	Cantus			110003
Batch EK62903 - General Preparation (Prep)										
Blank (EK62903-BLK1)				Prepared:	11/28/06 A	nalyzed: 11	/29/06			
% Solids	99.8		%							
Duplicate (EK62903-DUP1)	Sou	rce: 6K28001	-01	Prepared:	11/28/06 A	nalyzed: 11	/29/06			
% Solids	58.8		%		59.3			0.847	20	
Duplicate (EK62903-DUP2)	Sou	rce: 6K28012	-01	Prepared:	11/28/06 A	nalyzed: 11	/29/06			
% Solids	89.9		%		89.7			0.223	20	
Batch EK63006 - Water Extraction Blank (EK63006-BLK1)				Prepared: 1	11/19/06 A	nalyzed: 11	/30/06			
				Prepared:	11/19/06 A	nalyzed: 11	/30/06			
Chloride	ND	20.0	mg/kg Wet							
LCS (EK63006-BS1)				Prepared 8	k Analyzed	: 11/30/06				
Chloride	91.5	5.00	mg/kg Wet	100		91.5	80-120			
Matrix Spike (EK63006-MS1)	Sou	rce: 6K28001	-01	Prepared:	11/19/06 A	nalyzed: 11	/30/06			
Chloride	6490	20.0	mg/kg Wet	500	5960	106	80-120			
Matrix Spike Dup (EK63006-MSD1)	Sou	rce: 6K28001	-01	Prepared:	11/19/06 A	nalyzed: 11	/30/06			
Chloride	6490	20.0	mg/kg Wet	500	5960	106	80-120	0.00	20	
Reference (EK63006-SRM1)				Prepared &	2 Analyzed	: 11/30/06				
Chloride	51.0		mg/kg	50.0	2012) 1017, 07, 07, 08, 08, 1	102	80-120	9175-000 Arrist and an and an		1011 in folgeting of a

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Notes and Definitions

l	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate



Report Approved By:

Raland K. Juli

11/30/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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	Company Name	Elke Environmer	ntal, Ind	<u>.</u>								·				Pn	oject	#: <u>)</u>	00001	<u>.</u> H	Ack	k d	KAK	<u>e</u>		
	Company Address:	4817 Andrews H	wy	<u></u>										_	F	roje	ect Lo	c:								
	City/State/Zip:	Odessa, TX 797	62											-			PO	#:								
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RDER	1. VACAL	$\nu \mid$						<u> </u>				Contair		1 17	atrix	F	· - · ·	TOTAL			1	1				
LAB # (ab use only)	FIEL	D CODE	Beginning Depth	Ending Depth	Dete Sampled	Time Sampled	No. of Containers	83	HAVO,	HCI HSQ.	NaOH	Na,S,O,	Nome Other (Specify)	Drw-Danthy Weer Su-Surge	GW = Growntweler S-BrailBolds Mitch-Patable Specify Oliver	TPH: 418.1 CEVIER MODE 100	Cettoris (Ca. Mg, Ma, K)	SAR / ESP / CEC	Metale: As Ag Ba Cd Cr Pb Hg Se	Vutaties	Semivolatikas	BIEA BUCILIA MAN OF BIEA AND	N.O.R.M.			
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3	TP3 BG5 TP4 BG5	······	8		11-28-06	9: 65 Am 9: 50 Am		K	$\left \cdot \right $	- -	+-	\vdash	+-	-	<u>s</u>	1			╀╌┨		<u> </u>	+	H	-+-	╇╌╀	╉
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Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client:	Elke Environ.
Date/ Time:	11/28/06 3:50
Lab ID # :	10K2Y012-
Initials:	CV

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Sample Receipt Checklist

				Client Init
#1	Temperature of container/ cooler?	Yes	No	0.0
#2	Shipping container in good condition?	YES	No	
#3	Custody Seals intact on shipping container/ cooler?	Xes	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
#5	Chain of Custody present?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	Yes	No	
#7	Chain of Custody signed when relinquished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	Yes)	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes)	No	
#11	Containers supplied by ELOT?	V er	No	
#12	Samples in proper container/ bottle?	Yes	No	See Below
#13	Samples properly preserved?	Ves	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	Xes	No	
#16	Containers documented on Chain of Custody?	Yes	No	
7	Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18	All samples received within sufficient hold time?	Yes	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	KES	No	Not Applicable

Variance Documentation

Contact:		Contacted by:	 Date/ Time:	
Regarding:			 	
••••••••••••••••••••••••••••••••••••••			 	
Corrective Action Taken	:			
				والمركبة والمركبة والمركبة المركبة والمركبة المركبة المركبة والمركبة والمركبة والمركبة والمركبة والمركبة والمركبة
Check all that Apply:	П	See attached e-mail/ fax		

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event



Breached linerin North East corner



Mixing mud



Delivering product



Product mixing pit



Burial pit after mud and product

Burial pit after mud and product



20 Mil cap on reserve pit

After backfill of reserve pit and burial pit

	District I
	1625 N. French Dr., Hobbs, NM 88240
•	District II
	1301 W. Grand Avenue, Artesia, NM 88210
,	District III
5	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 For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Date: ((. 1.06

Form C-144 June 1, 2004

Pit or Below-Grade Tank Registration or Closure	
Is pit or below-grade tank covered by a "general plan"? Yes X No	Pfig tin Internet
Type of action: Registration of a pit or below-grade tank I Closure of a pit or below-grade t	nnk 🛛

Operator: David H. Arrington Oil & GasTelephone	:e-mail address:	itchic@wtor.net					
Address: P. O. Box 953 Midland, TX 79702							
Facility or well name: Double Hackie Drake #1 API #: 30-0	25-36704 U/L or Qtr/Qtr <u>D</u> S	ec <u>36 T 16S R 35E</u>					
County: Lea Latitude	N 32.88299 Longitude W 103.4	1600 NAD: 1927 - 1983					
Surface Owner: Federal 🛄 State 🖾 Private 🛄 Indian 🔲		12 - 13					
Pit	Below-grade task						
Type: Drilling X Production Disposal	Volume:bbl Type of fluid:						
Workover 🔲 Emergency 🗋	Construction material:	A Rec. MB					
Lined 🛛 Unlined 🗋	Double-walled, with leak detection? Yes I if not, explain why not.						
Liner type: Synthetic 🛛 Thickness 20 mil Clay		2 000					
Pit Volumebbl		Co. Co.					
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points) X					
high water elevation of ground water.) $GW = 50^{\circ}$	50 feet or more, but less than 100 feet	(10 points)					
	100 fect or more	(0 points)					
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)					
	No	(0 points) X					
water source, or less than 1000 feet from all other water sources.)							
Distance to surface water. (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)					
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet of more, but less than 1000 feet	(10 points)					
	1000 feet or more	(0 points) X					
	Ranking Score (Total Points)	20 points					

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 your are burying in place) onsite in offsite in forfisite, 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: A burial pit will be constructed and lined with a 20mil impervious liner. The drilling pit contents will be mixed with Elke Environmental

Solidification Product at a 20 mud to 1 ratio to solidify the contents. After all mixed contents are placed in the burial pit, the contents will be covered with a 20 mil impervious liner with a minimum of 3 ft, overlap on all sides and a minimum of 3 ft, below ground level. The burial pit will then be covered with clean native soil and domed to prevent pooling. 5 bottom sample points will be taken after the pit contents are removed and a final report will be given at the end of the job. Start of job is 11-1-06.

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 [].

- 1-06 Date Printed Name/Title

Logas Anterson

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 endancer 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.

Signature

Approval: Printed Name/Title L JOHNSON - ENJINE ENGL

Signature