Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD

Sent: Thursday, November 12, 2009 4:24 PM
To: 'Alın Rıchardson', Mıke Short; Ronnie Pryer

Cc: ronnie@southenv com, Nash Dowdle

Subject: RE: Kıncaid 1724 #111

Alin,

Based on the analytical data from the samples obtained on 11/2/09 at the LCX Kincaid 1724 #111 well site (API:30-015-34248) the request to backfill the drilling pit at this site is approved. Be advised that the backfill material must meet the requirements of 19.15.17 NMAC (the pit rule). Re-vegetation of the site is also subject to requirements of 19.15.17 NMAC.

Please notify the OCD District 2 Office 48 hours prior to commencement of activities.

Approval of this closure request does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, approval of this closure does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, please contact me.

Mike Bratcher

NMOCD DISTRICT 2 1301 W GRAND AVE. ARTESIA, NM 88210 575-748-1283 EX 1.108

mike.bratcher@state.nm.us

From: Alin Richardson [mailto:alinr@eeronline.com]
Sent: Wednesday, November 11, 2009 1:59 PM
To: Bratcher, Mike, EMNRD; Mike Short; Ronnie Pryer

Cc: ronnie@southenv.com; Nash Dowdle

Subject:

Mike, Here is the letter you needed Please let me know if you need anything else. Thank you

Alin Richardson

Compadre Roustabouts Manager Environmental Manager SML Manager Office Phone: 570-4315 Cell Phone: 664-1587

Fax: 570-4272 alinr@eeronline.com This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.

LCX Energy Resources

110 N. Marienfeld Suite 200 Midland, Tx 79701

Drilling Pit Closure Request

RE: Kincaid 1724 Well no. 111 Unit D, Sec 11, T-17-S, R-24-E Eddy County, NM

API # 30-015-34248

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Dear Sirs;

After removing and hauling all the drilling mud and affected soil from the old drill pit to the approved Land Farm CRI between Hobbs, NM and Carlsbad, NM. All the Sample areas requested and witnessed by the OCD field representative, and Land Owner Mr. Floyd Steed have been collected and submitted to the OCD office in Artesia, NM. Soil samples show that the walls and bottom hole are now within compliance. We would at this time request that we be allowed to back fill with clean soil and put Closure to this Site.

Thank You, Alın Rıchardson
Environmental Manager
LAX Energy Resources LP
Endeavor Energy Resources LP
432-664-1587

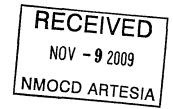
November 11, 2009



November 9, 2009

Floyd Steed P.O. Box 214 Artesia, NM 88211

Re: #111



Enclosed are the results of analyses for sample number H18653, received by the laboratory on 11/05/09 at 8:03 am.

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 though 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



ANALYTICAL RESULTS FOR FLOYD STEED P.O. BOX 214 ARTESIA, NM 88211 FAX TO: (575) 484-3368

Receiving Date: 11/05/08 Reporting Date: 11/06/09 Project Owner: NOT GIVEN

Project Name: #111

Project Location: NOT GIVEN

Analysis Date: 11/06/08 Sampling Date: 11/02/08 Sample Type: SOIL

Sample Condition: INTACT @ 23.5°C

Sample Received By: ck

Analyzed By: HM

LAB NO.	SAMPLE ID	CI¯ (mg/kg)
H18653-1	NWWD	672

H18653-1	NWWD	672
H18653-2	NWC	1,280
H18653-3	BHC	752
		
i 2		
	14 MA - 0 /0 / MA 700000 1-75 (150000000000 M) - 111000 (150000 1-14000000000 10 A0100000000000 A 10 10 10 10 10	
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······································	AND THE PROPERTY OF THE PROPERTY AND ADDRESS OF THE PROPERTY O	······································
Ought Con	Leal	F00
Quality Cont		500
True Value (QC	500
% Recovery	· · · · · · · · · · · · · · · · · · ·	100
Relative Per	cent Difference	< 0.1

METHOD: Standard Methods 4500-Cl'B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date



(575) 393-2326 Fax (575) 393-2476

(575) 393-2326 Fax (575) 393-2476		Pageof
Company Name: 5040 57850	BILL TO	ANALYSIS REQUEST
Project Manager:	P.O. #:	
Address: PO BOV 214	Company:	
City: 31 RTESIH State NIM Zin: 88311	Attn:	
Phone # 5"75 513 /687 Fax # 575 484 3365	Address:	
Project #: Project Owner:	City:	
Project Name: # ///	State Zip:	
Project Location:	Phone #:	
Sampler Name:	Fax #	
Tab I.D. Sample I.D. C. (G)RAB OR (C)OMP WASTEWATER WASTEWATER WASTEWATER SOIL COLUMN MATKIX	PRESERV. SAMPLING DATE TIME 11/2/05/1	
PLEASE NOTE: Liability and Damages: Cardina's liability and clean's exclusive remedy for any claim ansing whether based in contral analyses. All claims including those for negligence and any other cause whatspever shall be deemed waved unless made in writing a		
service. In no even that Card at be lable for incidental or consequents are including without inhalish incidence interest or consequents are labeled for the property and the consequents are serviced as the consequents are consequents are consequents. It is a service service to the property of the consequents are consequents and the consequents are consequents.	s, loss of use, or loss of profits incurred by client it's subsigna	ants
Sampler Relinquished: Date: Received By:	Phone Re Fax Resu REMARK	esult
Relinquished By: Date Seceived By	OHECKED BY: Initials) es No Initials)	mail ike bratcher

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

Analytical Report 350604

for

RECEIVED

NOV -5 2009

NMOCD ARTESIA

Terracon Consultants, Inc.- Midland

Project Manager: James Mills

Kincaid 1724 # 111 94068156

04-NOV-09





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)





04-NOV-09

Project Manager: James Mills

Terracon Consultants, Inc.- Midland

24 Smith Rd #261 Midland, TX 79705

Reference: XENCO Report No: 350604

Kincaid 1724 # 111
Project Address:

James Mills:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 350604. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 350604 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 350604



Terracon Consultants, Inc.- Midland, Midland, TX

Kincaid 1724 # 111

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
ВНС	S	Nov-02-09 08:52	29 - 30 ft	350604-001
NWWD	S	Nov-02-09 08:54	24 - 25 ft	350604-002
NWC	S	Nov-02-09 09:17	24 - 25 ft	350604-003

CASE NARRATIVE



Client Name: Terracon Consultants, Inc.- Midland

Project Name: Kincaid 1724 # 111

 Project ID:
 94068156
 Report Date:
 04-NOV-09

 Work Order Number:
 350604
 Date Received:
 11/02/2009

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-779931 Percent Moisture

None

Batch: LBA-779949 Inorganic Anions by EPA 300

None

Page 4 of 11 Ver. 1 000



Certificate of Analysis Summary 350604

Terracon Consultants, Inc.- Midland, Midland, TX

Project Name: Kincaid 1724 # 111



Project Id: 94068156

Contact: James Mills

Project Location:

Date Received in Lab: Mon Nov-02-09 02:25 pm

Report Date: 04-NOV-09
Project Manager: Brent Barron, II

								r roject Manager	: Brent Barron, II	
	Lab Id:	350604-0	001	350604-0	002	350604-0	03			
Analysis Requested	Field Id:	BHC		NWWI)	NWC				
Anuiysis Requesieu	Depth:	29-30 f	ì	24-25 f	t	24-25 f	t			
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Nov-02-09	08 52	Nov-02-09	08 54	Nov-02-09 (9 17			
Anions by E300	Extracted:									
	Analyzed:	Nov-02-09	21 27	Nov-02-09	21 27	Nov-02-09	21 27			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		517	112	1340	27 0	607	110			
Percent Moisture	Extracted:									
	Analyzed.	Nov-02-09	17 00	Nov-02-09	17 00	Nov-02-09	17 00			
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		10 5	1 00	7 54	1 00	8 82	1 00			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron, II

Odessa Laboratory Manager



Flagging Criteria



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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	rnone	rax
4143 Greenbriar Dr. Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Blank Spike Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 350604 Project ID: 94068156

Lab Batch #: 779949Sample: 779949-1-BKSMatrix: SolidDate Analyzed: 11/02/2009Date Prepared: 11/02/2009Analyst: LATCOR

Reporting Units: mg/kg BLANK/BLANK SPIKE RECOVERY STUDY Batch #: Blank Blank Blank Spike Anions by E300 Added Spike Spike Limits Result Flags %R %R [B] Result [A] **Analytes** [C] [D]ND 110 113 103 75-125 Chloride

Ver. 1 000



Form 3 - MS Recoveries

Project Name: Kincaid 1724 # 111



Work Order #: 350604

Lab Batch #: 779949 **Date Analyzed:** 11/02/2009

Project ID: 94068156

Date Prepared: 11/02/2009

Analyst: LATCOR

QC- Sample ID: 350415-004 S

Batch #: 1 Matrix: Soil

Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECOV	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R D]	Control Limits %R	Flag
2 mary tos						
Chloride	ND	116	118	102	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL, and Validated for QC Purposes

BRL - Below Reporting Limit



Sample Duplicate Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 350604

Lab Batch #: 779949

Project ID: 94068156

Date Analyzed: 11/02/2009 Date Prepared: 11/02/2009 Analyst: LATCOR QC- Sample ID: 350415-004 D

Matrix: Soil Batch #: 1

Reporting Units: mg/kg	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Chloride	ND	5 35	NC	20	

Lab Batch #: 779931

Date Analyzed: 11/02/2009 QC- Sample ID: 350566-001 D **Date Prepared:** 11/02/2009

Analyst: WRU

Batch #:

Matrix: Soil

Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	9 34	8 88	5	20	

		11.17.7	CHKC	F7.74	ENTAL, C	LOTECE	INICA	\mathbb{M}^{N}	() (°()	NSTR	LCT1	ON:	MA	[EK	ALS	SERV	4CES			٠.		_ (HA	IN OF	CU	SIO	DY RE	CORD
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Offic	Consulting Location ct Manag	mid	llar	15	T)c	Contac Phone	n: (39-	10	Aso	حوانا		_		•	7/2	//	//	//	//	$^{\prime}/$	$^{\prime}/$	$^{\prime}/$	//	1	2 lge	3 4	5
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Proj. 1	6681	56			caid	1724=	#11]	·	4	pe of C) / 6,	S C	(TT P		//				/							
Matrix	Ciete	Time	೧೦೬೦	9-86	Identifying	Marks of Sa	mple(s)	Start Pepth	Dept.	VOA	A/G 1 LL	250 mi	P/O				\perp						/	Lab	Samp	ie ID (L	sb Use On	lly)
2	11-2-09		X	<u> </u>	BHC	, 		29	30'				1	X										3	5	XO	4-00	2
5	11-2-01			X	NWI	1D		241	25'					X											.,,		-00	70
5	1120	9:17	X		NW	<u></u>		24	25'				1	X						\bot	\bot						<u> </u>	03
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Matrix		V - Wastewa A - 40 mi viz			W - Water A/G - Amber	S - Soli / Or Glass 1			L - Liqui 250 ml -		- Air Be wide mo				coal tu		SL - slı) - Oil	_							
House 11555 House	on Office Clay Road, Su on, Texas 7704 590-8989 Pax	ite 100	·	· · · · · · ·	Dallas 8901 C Dallas		vay, Suite			260) Port	Worth Chavel Worth, 1) 268-86	Drive Cexas 7	6118				5307 Aust	in Offic Industrin, Texa) 442-1	rial Oai a 7873	5				24 M	idland.	Rd., # 20 Texas 79		14-9608

when the management of the second

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

		Variance/ Corrective Action Re	port- Sampi	e Log-II	1	
Client:	_Tex	α				
ate/ Time		7.09 14:25				
ab ID#:		350604				
nitials:		AL				
		Sample Receipt	Checklist			
					c	lient Initials
1 Tempera	ature of contain	iner/ cooler?	Yes	No	5.6°C	
		good condition?	Yes	No		
		on shipping container/ cooler?	Yes	No	Not Present	
		on sample bottles/ container?	(Yes)	No	Not Present	
	Custody pres		Yes	No		
		omplete of Chain of Custody?	(Yes)	No		
		ed when relinquished/ received?	(Yes)	No		
		ees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
		ble and intact?	(Yes)	No	Not Applicable	
		erties agree with Chain of Custody?	(Yes)	No		
	ers supplied l		(es)	No		
		ontainer/ bottle?	(es)	No	See Below	
	s properly pre		(Yes)	No	See Below	
	bottles intact		(Yes)	No		
		ented on Chain of Custody?	Yes	No		
		ted on Chain of Custody?	Yes	No		
		ount for indicated test(s)?	Yes	No	See Below	
		within sufficient hold time?	Yes	No	See Below	
	tract of samp		Yes	No	Ator Applicable	
		rero headspace?	Yes	No	Not applicable	
20 100 00	artiplos rate a	Variance Docu			Tro-Liphodolo /	
					Date / The e	
Contact:		Contacted by:			Date/ Time:	
Regarding:						
Corrective Ac	ction Taken:					
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			`			
Check all tha	at Apply:	See attached e-mail/ fax				
		Client understands and wou	-			
		Cooling process had begun	shortly after	sampling	event	





PHONE (575) 393-2026 - 101 E. MARLAND - HOBBS, NM 88240

September 4, 2009

Alin Richardson LCX Energy 110 N Marienfold, Suite #200 Midland, TX 79701

Re: Kincaid

Enclosed are the results of analyses for sample number H18136, received by the laboratory on 08/31/09 at 12:40 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 though 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./Reenc Laboratory Director

This report conforms with NELAP requirements.



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

ANALYTICAL RESULTS FOR LCX ENERGY ATTN: ALIN RICHARDSON 110 N MARIENFELD, SUITE #200 MIDLAND, TX 79701

FAX TO: (432) 687-2521 & (575) 746-6534

Receiving Date: 08/31/09
Reporting Date: 09/03/09
Project Owner: LCX
Project Name. KINCAID
Project Location: KINCAID

Analysis Date: 09/02/09 Sampling Date: 08/31/09 Sample Type: SOIL

Sample Condition: INTACT @ 22°C

Sample Received By: AB

Analyzed By: AB

LAB NUMBER	SAMPLE ID	(mg/kg)
H18136-1	NE - 1	4,960
H18136-2	NW -1	9,360
H18136-3	C- 1	7,200
H18136-4	SE - 1	8,780
H18136-5	SW - 1	10,200
Quality Control		500
Quality Control True Value QC		500 500

METHOD: Standard Methods 4500-CI-B Note. Analyses performed on 1:4 w;v aqueous extracts.

Muf) MUM

Date

H18136 LCX

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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

AGE	(575) 393-2326 Fax (575) 393-2476		of
ď	Company Name: LCX	BILL TO	ANALYSIS REQUEST
	'roject Manager:	P.O. #:	
	vcdress:	Company: LCX	
	Hy: M. d/n d State: X Zip:	Attn:	
	Thome #: 432-664-1687 Fax# 472-	Address:	
	roject #: Knaa Project Owner: CC	City. M. Wand	
	¹roject Name:	State: 7 Zip.	
	raject Location: Kinchi	Phone #:	
	iampter Name: M. Ke Nickell	Fax #:	
ပ္တ	FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
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占	Lab I.D. Sample I.D. Bull Sample	ii	
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CARDINA	# CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SOIL O'I.	OF COORAGE TIME	<i>)</i>]
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375			
ממת	LIASE NOTE I lability and Demagner Carding's Railey and claims and this relined, for any duly making whother based in contract new tasks. Will aims Suiteding Erose for negligance and stay other seases which are suited in demand wealth unless made in writing or	for last, shall be facilist to the amount paid to the client for the of resolves by Continual will'in 30 days after oper plates of the applic	conte
õ	தாட்டை In வா சான் ரி.நி. சேன்ற 10 கிறித் செங்கிகளம் எ மண்டிருள்ளி தோத்தக் கொளிற அடிப்பு கோம்றின் நடக்கிகை எப்பைற்றம், இதுக்கு வ அண்ணைகள்ற 60° வி வர்கிக்கேற்ற நார்காக்கென் விலைக்கு நடக்கையும் நடக்கள், வறுவிருக்கு செங்கிற வகின்னி	. ਮੁਝ ਵੱਧਰਵਾਰ ਦੀ ਮੁਦਦੀ ਨੂੰ ਰਿਜ਼ਾਸ਼ਗੀ ਨੇ ਜ਼ਿਲ੍ਹਾ ਹੈ ਤਾਂ ਹੋ ਜ਼ਿਲ੍ਹਾ	
	Sampler Relinquished: Date. Received By:	Phone Result:	□ No Add'i Phone #' □ No Add'i Fax #'.
3	Time: C-PI-15	REMARKS.	
7	Received By: Date: Received By:		FAX results
-	Time	,	Plin Richardson-LLX
500	Delivered By. (Circle One) Temp. Sample Conde		
17 74	Sampler - UPS - Bus - Other. ###################################	es (Intliats)	Mile Mickell
2	HUE CEC IN NOT A		

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Bratcher, Mike, EMNRD

From:

Celey Keene [celey keene@cardinallabsnm.com]

Sent:

Friday, May 29, 2009 2:38 PM

To:

Subject:

Bratcher, Mike, EMNRD LCX ENERGY; 1724 KINCAID

Attachments:

H17509 LCX pdf

THANK YOU,

Celey Keene **Lab Director Cardinal Laboratories** 101 East Marland

Hobbs, NM 88240 T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

This inbound email has been scanned by the MessageLabs Email Security System.



ANALYTICAL RESULTS FOR LCX ENERGY ATTN JOHN LOWERY 110 N. MARIENFELD, SUITE #200 MIDLAND, TX 79701 FAX TO: (432) 687-2521 & (575) 746-6534

Receiving Date: 05/29/09 Reporting Date: 05/29/09 Project Number: 111

Project Name 1724 KINCAID Project Location: EDDY CO.

30-015-34248

Analysis Date: 05/29/09 Sampling Date: 05/29/09 Sample Type: SOIL

Sample Condition: INTACT @ 36°C

Sample Received By: ML

Analyzed By: HM

CI LAB NUMBER SAMPLE ID (mg/kg) H17509-1 NORTH WALL #1 1,550 H17509-2 NORTH WALL #2 3,640 **Quality Control** 490 True Value QC 500 % Recovery 98.0 Relative Percent Difference 2.0 METHOD: Standard Methods 4500-CI-B

Note: Analyses performed on 1:4 w;v aqueous extracts.

Sheiftist

05/29/09 Date

WE -	
	LABORATORIES Marland, Hobbs, NM 88240

101 East Mariand, Hobbs, NM 88240 (575) 393-2326 Fax (575) 393-2476

Company Name (77.)		Pageof
	BILL TO	ANALYSIS REQUEST
Project Manager: John Loukly	P.O #:	
Address 110 Marine Field Sint 200	Company:	
City: modium & State: TX Zip: 79701	Attn: CCX	
Phone #: 432 - 26.2 - 401/ Fax #: 432 - 687 252	/ Address:	
Project #: /// Project Owner.	City:	
Project Name: 1724 14.71 (Lid	State· Zip	
Project Location: Eddy Co	Phone #.	
Sampler Name Fell'y Miles	Fax #:	1.8
FOR LAB JOE ONLY MATR	PRESERV SAMPLING	
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A TERS		
ran i'n' gamble i'n' Solat Mark and a	ASE :: HE	
H17509-1 north well the 18 18 18 18 18 18	SLUDGE OTHER. ACIDIBASE ICE/COOL OTHER: MILL MILL MILL MILL MILL MILL MILL MIL	
Tab I.D. Sample I.D. H 17501-1 North mall # 2 X GIRAB OR (C)OMP **CONTAINERS **CONT	The state of the s	
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** ** ** ** ** ** ** ** ** ** ** ** **		
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	O FA	× A-3+3 +96-6534
Time:	Phi	x # 575 746-6534
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Sample: - UPS - Bus - Other. Cool Int Yes E		ad Mike brisher & MM. US COM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

368 #26

Bratcher, Mike, EMNRD

From: Sent:

Alin Richardson [alinr@eeronline.com] Monday, April 20, 2009 9 09 AM

To:

Bratcher, Mike, EMNRD

Subject:

FW LCX Update

Attachments:

2009_327733_94068156_FINAL.pdf; 94068156-WELL111 F2 .pdf; Photos LCX doc

Alin Richardson

Compadre Roustabouts Manager Environmental Manager SML Manager

Office Phone: 570-4315 Cell Phone: 664-1587 Fax: 570-4272 alinr@eeronline.com

From: Mills, James [mailto:simills@terracon.com]

Sent: Tuesday, March 24, 2009 8:56 PM

To: Alın Rıchardson

Cc: McDonald, Clayton Alan; Bole, Barrett W.

Subject: LCX Update

Alın,

Attached are the analytical results, updated site plan, and photos from the most recent soil sampling event at the Kincaid 1724 Well #111 All samples but one were very close to or under 1,000 mg/kg chloride. The sample taken in the central portion of the north wall was 3,280 mg/kg chloride. Let me know if I can further assistance.

Thanks, James

<<2009 327733 94068156 FINAL pdf>> <<94068156-WELL111 F2 (1).pdf>> <<Photos LCX doc>>

S. James Mills

Project Environmental Scientist

Terracon

24 Smith Road, Suite 261 | Midland, Texas 79705 P 432-684-9600 I F 432-684-9608 I M 806-441-0387 simills@terracon.com I www.terracon.com

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Have a great day!	
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Analytical Report 327733

for

Terracon Consultants, Inc.- Midland

Project Manager: James Mills

Kincaid 1724 # 111 94068156

20-MAR-09





12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675 Miramar, FL E86349 Norcross(Atlanta), GA E87429

> South Carolina certification numbers: Norcross(Atlanta), GA 98015

North Carolina certification numbers: Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Tampa - Miami - Latin America Midland - Corpus Christi - Atlanta





20-MAR-09

Project Manager. **James Mills Terracon Consultants, Inc.- Midland**24 Smith Rd #261
Midland, TX 79705

Reference XENCO Report No 327733

Kincaid 1724 # 111

Project Address

James Mills:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 327733. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 327733 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc)

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 327733



Terracon Consultants, Inc.- Midland, Midland, TX

Kincaid 1724 # 111

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW-1	S	Mar-16-09 10 13		327733-001
SW-2	S	Mar-16-09 10 17		327733-002
SW-3	S	Mar-16-09 10 21		327733-003
WW-4	S	Mar-16-09 10 24		327733-004
WW-5	S	Mar-16-09 10 26		327733-005
WW-6	S	Mar-16-09 10 27		327733-006
NW-7	S	Mar-16-09 10 29		327733-007
NW-8	S	Mar-16-09 10 34		327733-008
NW-9	S	Mar-16-09 10 36		327733-009



Certificate of Analysis Summary 327733

Terracon Consultants, Inc.- Midland, Midland, TX

Project Name: Kincaid 1724 # 111



Project Id: 94068156 Contact: James Mills

Project Location:

Date Received in Lab. Tue Mar-17-09 04 45 pm Report Date. 20-MAR-09 Project Manager: Brent Barron II

								Project Mai	iager:	Brent Barron,	11		
	Lab Id:	327733-0	01	327733-0	002	327733-0	103	327733-0	04	327733-0	05	327733-0	06
Analysis Requested Anions by EPA 300 Chloride	Field Id,	SW-1		SW-2		SW-3		WW-4		WW-5	į	WW-6	
	Depth												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-16-09	10 13	Mar-16-09	10 17	Mar-16-09	10 21	Маг-16-09	10 24	Mar-16-09	10 26	Mar-16-09 1	10 27
Anions by EPA 300	Extracted						Î						
1 mions by 21 11 500	Analyzed	Mar-18-09 09 22		Mar-18-09 09 22		Mar-18-09 09 22							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1020	25 0	26 1	5 00	211	100	47 1	5 00	197	100	330	100
Percent Moisture	Extracted.												
	Analyzed	Mar-18-09 13 30		Mar-18-09 13 30		Mar-18-09 l	13 30						
	Units/RL.	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		23 31	1 00	15 29	1 00	2 21	1 00	2 56	1 00	9 90	1 00	7 50	1.00

This analytical report and the entire data package it represents has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratorics assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron Odessa Laboratory Director



Project Id: 94068156

Contact: James Mills

Certificate of Analysis Summary 327733

Terracon Consultants, Inc.- Midland, Midland, TX

Project Name: Kincaid 1724 # 111

Date Received in Lab: Tue Mar-17-09 04 45 pm

Report Date: 20-MAR-09

Project Location: Project Manager: Brent Barron, II

	Lab Id·	327733-0	007	327733-0	08	327733-0	09		
Analysis Requested	Field Id	NW-7		NW-8		NW-9			
Analysis Requested	Depth:								
	Matrix	SOIL		SOIL		SOIL			
	Sampled	Mar-16-09	10 29	Mar-16-09	10 34	Mar-16-09 I	10 36		
Anions by EPA 300	Extracted:								
	Analyzed	Mar-18-09 09 22		Mar-18-09 09 22		Mar-18-09 09 22			
	Units/RL;	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		314	100	3280	500	1060	20 0		
Percent Moisture	Extracted.						_		
	Analyzed	Mar-18-09	13 30	Mar-18-09 1	13 30	Mar-18-09 I	13 30		
	Units/RL.	%	RL	%	RL	%	RL		
Percent Moisture		2 96	1 00	ND	1 00	1 22	1 00		1

This analytical report and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories AENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our hability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

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Brent Barron Odessa Laboratory Director



Flagging Criteria



- X In our quality control review of the data a QC deficiency was observed and flagged as noted MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample
- E The data exceeds the upper calibration limit, therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits
- J The target analyte was positively identified below the MQL and above the SQL
- U Analyte was not detected
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Outside XENCO's scope of NELAC Accreditation.

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4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St. Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Blank Spike Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 327733 . **Project ID:** 94068156

 Lab Batch #: 752930
 Sample: 752930-1-BKS
 Matrix: Solid

 Date Analyzed: 03/18/2009
 Date Prepared: 03/18/2009
 Analyst: LATCOR

Reporting Units: mg/kg

Batch #: | BLANK/BLANK SPIKE RECOVERY STUDY

Reporting Units: mg/kg	Batch #:	BLANK/BLANK SPIKE RECOVERY STUDY						
Anions by EPA 300	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags		
Analytes	101	(6)	[C]	[D]	7010			
Chloride	ND	10 0	11 0	110	90-110			



Form 3 - MS Recoveries

Project Name: Kincaid 1724 # 111



Work Order #: 327733

Lab Batch #: 752930

QC- Sample ID: 327733-001 S

Date Analyzed: 03/18/2009

Date Prepared: 03/18/2009

Project ID: 94068156

Analyst: LATCOR

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag	
Chloride	1020	500	1560	108	80-120		

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(C-A)/(C+B) All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 327733

Lab Batch #: 752930 **Date Analyzed:** 03/18/2009

Date Prepared: 03/18/2009 Project ID: 94068156

Analyst: LATCOR

QC- Sample ID: 327733-001 D Batch #: 1 Matrix: Soil

Reporting Units: mg/kg	SAMPLE	SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by EPA	Parent Sampl Result [A]	e Sample Duplicate Result	RPD	Control Limits %RPD	Flag		
Analyte		[B]					
Chloride	1020	1010	1	20			

 Lab Batch #: 752993

 Date Analyzed: 03/18/2009
 Date Prepared: 03/18/2009
 O3/18/2009
 Analyst: BEV

 QC- Sample ID: 327733-001 D
 Batch #: 1
 Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY Reporting Units: % **Percent Moisture** Parent Sample Sample Control Result Duplicate **RPD** Limits Flag Result %RPD [A][B] Analyte Percent Moisture 23 3 24 0 20

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ENVIRONMENTAL GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES	HAIN OF CUSTODY RECORD						
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Address. Consulting Engineers & Scientists Office Location M. 414-24 TX Contact	Temp of coolers when received (C*)						
Phone Phone	Pago Lot.						
Project Manager C Lass Mic Donal J PO/SO#	/ /						
Sampler's Name Sampler's Signature Sampler's Signature Lines Mills							
Proj. No. 100 Project Name Project Name King of the More of Containers No. 100	<i>/</i>						
Matrix Date Time 0 G Identifying Marks of Sample(s) 5 5 2 5 VOA AVG 250 Pro	Lab Sample ID (Lab Use Only)						
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10.91 V SW-3							
1024 V SW-4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44.						
1 1 036 W S 3 W S	1						
1027 W. SW-6	48						
1029 P Sw-7							
1034 V Sw-8 3 2 X 3 1 2 X 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
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Reinquished by (Signature) Date: Time Regerved by (Signature) Date Time: Signature) Signature Si	3						
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Postum Office Postum Offic							

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Crent	Tea.von					
Cale: Time	3 17 07 16.45					
Lab ID#	377133					
I tials	-34					
	Sample Receipt (Checklist				
(Ha	ture of container/ cooler?	Yes	No	1.55 °C	Client Initials	
	containér in good condition?	Yes	No	1 2 3		
	Seals intact on shipping container/ cooler?	Yes	No No	.:Not Present		
	,		No	Not Present		
			No	1401 / resent		
	nstructions complete of Chain of Custody?	Yes Yes	No	<u> </u>		
	Custody signed when relinquished/ received?	Yes'	No			
	Custódy agrees with sample label(s)?	Yes	No	ID written on Cont / Lid		* .
	r label(s) legible and intact?	Yes	No	Not Applicable	i	
	matrix/ properties agree with Chain of Custody?	Yes	No		 	
	ers supplied by ELOT?	Yes	No	,	 ` 	
	in proper container/ bottle?	Yes)	No	See Belowa	 	
	properly preserved?	Yes	No	See Belów		
#14 Sample		Yes	No			ı
	ations documented on Chain of Custody?	Yes	No		172	
#16 Contâiñe	ers'documented on Chain of Custody?	Yes	No	** 1.		,
#17 Süfficier	nt sample amount for indicated test(s)?	Yes 4	No	See Below .		
	oles received within sufficient hold time?	Yes	· No	See Below	, ,	
#19 Subcont	tract of sample(s)?	Yes	No	(Not Applicable)		
#20. VOC sa	mp'es have zero headspace?	Yes	¼No	- Not Applicable		
·	\	,	* ** *			
ω,	Variance Docum	nentation				
(24	'			
Contact	Contacted by	ν,	_	Date/ Time;	,	
V 1	**	* ~			*	
4Regarding						
		· .	***********	`		
•	*			48		
Corrective Ac	ction,Taken					

					*****	***************************************
Check all tha	t Apply See attached e-mail/ fax					
5110011 GIT GIT	Chent understands and would	d like to pro	ceed with	n analysis		
	Cooling process had begun			•		
	<u> </u>		,	•		

Gracie-Avalos

Mills, James [sjmllls@terracon com] Thersday March 19 2009 11,42 AM Gracie Avalos RE WO 32/733 / Kincaid 1724 #111 From. Sent To Subject

I made an erro, on the coc. The samples should be labeled as follows

SW-1

5W-2 5W-3

WW-4

WW-5 WW 6

NW-7

NW-8 NW-9

Can you please make that labeling change?

Thanks James

S James Mis Project Environmenta Scientist Terracon 24 Smith Road, Suite 261 Midland, Texas 79705 P 432-684-9600 F 432-684-9608 M 805-44190387 Smills@terracon.com

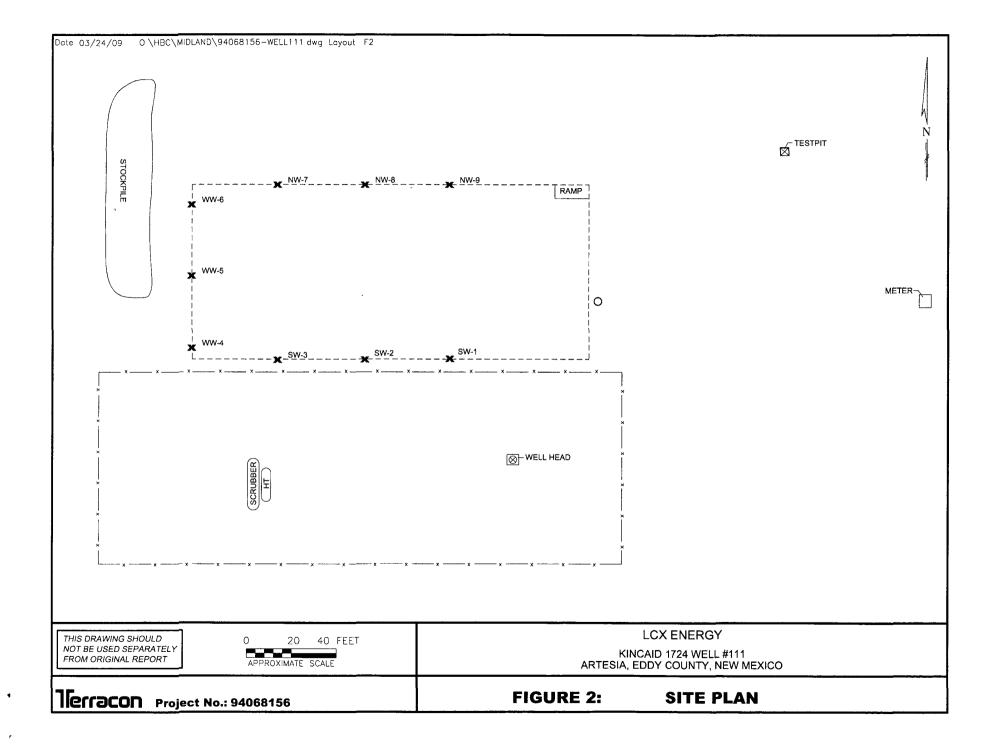
From: Gracie Avolos < gracie avalos@xenco com> Sent Thursday, March 19, 2009 10 30 ÅM
10 symlis@terracon.com> Subject #0 327733 / Kinca d 1724 #111

¿Qracie Avalos

- Pro ect Assistant

Xenc'o Labs - Odessa

432-563-1800 Office



LCX Energy Kincaid 1724 Well # 111 Terracon Project No. 94068156 Date Photos Taken: March 16, 2009



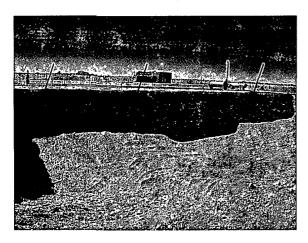


Photo #1 Looking at the sample location on the south wall of the excavation.



Photo #2 Looking at the sample location on the west wall of the excavation

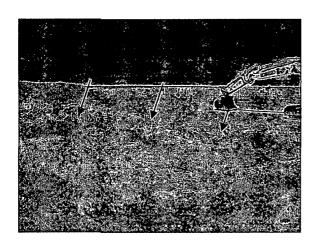


Photo #3 Looking at the sample location on the north wall of the excavation.

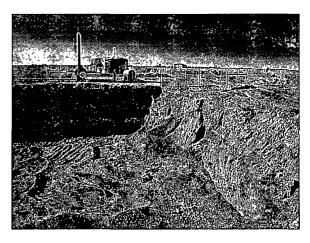


Photo #4 Looking south at the western portion of the excavation.

Bratcher, Mike, EMNRD

From:

Celey Keene [celey.keene@cardinallabsnm.com]

Sent:

Saturday, February 28, 2009 12:29 PM

To:

Bratcher, Mike, EMNRD

Subject:

LCX ENERGY: KINCAID WELL #111

Attachments:

H16987 LCX.pdf

THANK YOU,

Celey Keene Lab Director Cardinal Laboratories 101 East Marland Hobbs, NM 88240

T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardianllabsnm.com

This inbound email has been scanned by the MessageLabs Email Security System.



ANALYTICAL RESULTS FOR LCX ENERGY
ATTN: JOHN LOWERY

110 N. MARIENFELD, SUITE #200

MIDLAND, TX 79701

FAX TO: (575) 746-6534 & (432) 687-2521

Receiving Date: 02/27/09 Reporting Date: 02/27/09 Project Number: 1724

Project Name: KINCAID WELL #111

Project Location: EDDY CO.

Analysis Date: 02/27/09 Sampling Date: 02/27/09 Sample Type: SOIL

Sample Condition: INTACT Sample Received By: ML

Analyzed By: HM

CITUMS SAMPLE ID (mg/kg)
H16987-1 WEST WALL 128

Quality Control 500
True Value QC 500
% Recovery 100
Relative Percent Difference < 0.1

METHOD: Standard Methods 4500-CI-B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Onemise

02/28/09 Date



Project Manager: JOHN TOWER FEID SUITEH LOO Company: L X Address: LIO Mark FEID SUITEH LOO Company: L X City: Micland State: TX Zip: 74701 Attn: Phone #: LY32) 762 - 4791 Fax#: LY32) 787 - 2721 Address: Project Manae: LY0 Cuid Well # III State: Zip: Project Location: Eddy 16 Phone #: Fax #: Project Location: Eddy 16 Preserv Sampling MATRIX PRESERV SAMPLING Lab I.D. Sample I.D. 90 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	(975) 383-23.	26 Fax (5/5) 393-2476	5						· · · · · · · · · · · · · · · · · · ·	rage	·	
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



Kec'd 1/8/09



ANALYTICAL RESULTS FOR LCX ENERGY

ATTN: JOHN LOWERY

110 N. MARIENFELD, SUITE #200

MIDLAND, TX 79701

FAX TO: (432) 687-2521 & (575) 746-6534

Receiving Date: 01/07/09 Reporting Date: 01/08/09 Project Number: 111 Project Name: KINCAID Project Location: EDDY Analysis Date: 01/08/09 Sampling Date: 01/07/09 Sample Type: SOIL

Sample Condition: INTACT Sample Received By: ML

Analyzed By: HM

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

01/03/09 Date

H16624 LCX

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 At 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, affiredes or successors arising out or or related to the performance of services hereunded 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.



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[&]quot;31 Cannot accept verbal changes. Please fax written changes to 575-393-2476.

Analytical Report 315508

for

Terracon Consultants, Inc.- Midland

Project Manager: Clay McDonald

Kincaid 1724 # 111 94068156

27-OCT-08





12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Norcross(Atlanta), GA E87429

South Carolina certification numbers: Norcross(Atlanta), GA 98015

North Carolina certification numbers: Norcross(Atlanta), GA 483

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Page 1 of 10



27-OCT-08

Project Manager: Clay McDonald Terracon Consultants, Inc.- Midland

24 Smith Rd #261 Midland, TX 79705

Reference: XENCO Report No: 315508

Kincaid 1724 # 111 Project Address:

Clay McDonald:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 315508. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 315508 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully.

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 315508



Terracon Consultants, Inc.- Midland, Midland, TX Kincaid 1724 # 111

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Test Pit	S	Oct-22-08 08:22		315508-001
WWS 8'	S	Oct-22-08 08:33		315508-002
WWC 9'	S	Oct-22-08 08:38		315508-003
SWC 8'	S	Oct-22-08 08:48		315508-004



Project Location:

Certificate of Analysis Summary 315508

Terracon Consultants, Inc.- Midland, Midland, TX

Project Name: Kincaid 1724 # 111



Project Id: 94068156

Contact: Clay McDonald

Date Received in Lab: Thu Oct-23-08 11:20 am

Report Date: 27-OCT-08

Toject Education.								Project Man	ager:	Brent Barron, II		
	Lab Id:	315508-0	01	315508-0	02	315508-0	03	315508-00	04			
Analysis Requested	Field Id:	Test Pit		WWS 8	, }	WWC 9	,	SWC 8'			1	
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	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg_	RL	mg/kg	RL			
Chloride		ND	100	764	25 0	158	100	10000	200			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential tise The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our hability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron Odessa Laboratory Director

Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte.

 The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miamı Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477



Blank Spike Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 315508

Project ID:

94068156

Lab Batch #: 738181

8.77

Date Analyzed: 10/24/2008

Sample: 738181-1-BKS

Matrix: Solid

Chloride

Date Prepared: 10/24/2008

Analyst: LATCOR

88

75-125

Reporting Units: mg/kg	Batch #: 1	BLANK /E	BLANK SPI	KE REC	OVERYS	STUDY
Anions by EPA 300/300.1	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes	[13]	(1)	[C]	[D]	70K	

ND

10.0



Form 3 - MS Recoveries

Project Name: Kincaid 1724 # 111



Work Order #: 315508

Lab Batch #: 738181 Date Analyzed: 10/24/2008

Date Prepared: 10/24/2008

Project ID: 94068156

Analyst: LATCOR

QC- Sample ID: 315421-016 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	UX /MA	X / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag			
Chloride	37.3	102	154	114	75-125				

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(C-A)/(C+B) All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery

Project Name: Kincaid 1724 # 111



Work Order #: 315508

Lab Batch #: 738181

QC- Sample ID: 315421-016 D

Project ID: 94068156

Matrix: Soil

Date Analyzed: 10/24/2008 Date Prepared: 10/24/2008 Analyst: LATCOR 1 Batch #:

Reporting Units: mg/kg	SAMPLE / SAMPLE DUPLICATE RECOVER'						
Anions by EPA 300/300.1	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag		
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Chloride	37 3	34.2	9	20			

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IISSS House	m Office City Road, Str a. Texas 7704. 90-8989 Feb	3	787		\$901 Dalla	s Office Carpenter Prec 6, Texas 75247 630-1010 Per	•••			2601 Fort	Worth Cornel I Worth, T 268 88	Deive Exas 7		7) 268	860 2		530 At	stip Of 17 Indus 11st Tes 2) 447-	urial O	35				24 : Mi	diand Office Smith Rd., # 2 diand. Texas 79 2) 684-9600	61 9705 Fax (432) 684-96	ica

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client	Terracon	•	Œ	•	
Date/ Time	10-23-08 420				
Lab ID #	315508				
initials	<u> </u>				

, , t ·

Sample Receipt Checklist

¥1	Temperature of container/ cooler?	(796	No -	40 °C
#2	Shipping container in good condition?	(es	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	∠Not Presents
#4	Custody Seals intact on sample bottles/ container?	N DEP	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?	(es	No	
#8	Chain of Custody agrees with sample label(s)?	(Yès	No	ID written on Cont / Lid
#9	Container label(s) legible and intact?	X Sel	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No	
#11	Containers supplied by ELOT?	(es	No	
#12	Samples in proper container/ bottle?	(B2)	No	See Below
#13	Samples properly preserved?	Voe	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	VAS.	No	
#16	Containers documented on Chain of Custody?	'Ves	No	
#17	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?	Yes	No	Not Applicable

Variance Documentation

Contact		Contacted by		Date/ Time	
Regarding		,			
Corrective Action	Taken				
Check all that Ap	PY		If fax and would like to proceed d begun shortly after sam		

TO MIKE BRATCHER

Floyd STEED

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

ANALYTICAL RESULTS FOR FLOYD STEED P.O. BOX 214 ARTESIA, NM 88211 FAX TO: (575) 484-3368

Floyd Steed

Receiving Date: 10/22/08
Reporting Date: 10/23/08
Project Owner. NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Analysis Date: 10/23/08 Sampling Date: 10/22/08 Sample Type: SOIL Sample Condition: INTACT Sample Received By: ML Analyzed By: HM

LAB NO.	SAMPLE ID	Ci¯ (mg/kg)
H16166-1	NWS 8'	1,470
H16166-2	WWC 9'	15,600
H16166-3	TEST PIT	64
H16166-4	SWC 8'	208
Quality Cont	rol	500
True Value (500
% Recovery		100
Relative Per	cent Difference	2.0
METHOD Sta	ndard Methods s performed on 1.4 w.v aqued	4500-CIB
HOLE. Allalyses	penonnea on 1 4 w.v aquet	JUS EXITACIS.

Chémist Moine

Date

H16166 FLOYD STEED

LCX Kincaid 1729 # 111



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

ANALYTICAL RESULTS FOR FLOYD STEED P.O. BOX 214 ARTESIA, NM 88211 FAX TO: (918) 591-7727

Receiving Date: 06/19/08
Reporting Date: 06/19/08
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Analysis Date: 06/19/08 Sampling Date: 06/19/08 Sample Type: SOIL Sample Condition: INTACT Sample Received By: ML

Analyzed By: KS

LAB NO. SAMPLE ID CITY (mg/kg)

H15018-1	SOUTH WALL WEST	1 170
		1,170
H15018-2	SOUTH WALL	176
H15018-3	EAST SIDE	5,200
H15018-4	SE CORNER	2,080
Quality Con	itrol	490
True Value	QC	500
% Recovery	y	98.0
Relative Pe	rcent Difference	2.0

METHOD: Standard Methods 4500-CI'B

Note: Analyses performed on 1:4 w:v aqueous extracts.

_06/20/08 Date

H15018 FLOYD STEED

PLEASE NOTE Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 thirtly (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 subsidiances, 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.

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	,			_			T			BII	L TO						ANA	LYSIS	RE	QUE	ST			
Project Manager	Floyd STEED						P	.O. i	#:															
Address: PC	1B - 17111						c	omi	pan	y:														
city: AR	TESIA State: NM	Zip:	f	8-2	21	(_ A	ttn:		_													Į.	
Phone #: 575	513-1687 Fax#: 918-	54	1-	772	7		A	ddr	ess:	<u>: </u>			. [
Project #:	Project Owner:						_ c	ity:		-														
Project Name: Project Location: Sampler Name: FOR LAB USE ONLY MATR						s	tate	:		Zıp:													1	
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Sampler Name:							F	ax#																
FOR LAB USE ONLY		$\prod_{i=1}^{n}$			MAT	TRIX		PI	RES	ERV.	SAMPLI	NG] [. '										
	·) (G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE	ICE / COOL	OTHER ·	DATE	TIME	() I											
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analyses All claims include survice in no event shall C	of Damages Cardinals tabulty and clients exclusive remedy for an ing those for negligence and any other cause whistoever shall be discrimate tellable for incidental or consequental demages, including ing out of or related to the performance of service hereunder by Court.	berned sucutive	warve imita	ed unless ston, bus	made ii iness int	n wntng Lerruptic	and re	cerved of use	by Ca or lo	ardinal w iss of pr	Athlin 30 days after official incurred by a	r completion of Sent, its subsidia asons or otherw	ina applicat inas, isa	₃e □ Ye		No	Addu	Dhans	#-					
Company of D	10-19-08	احددر	VIV /	, /	• /	ı	1	R		1		Phone Resu	ilt;	□ Ye		No	Add'l	Phone Fax #.	π					
Affiliates of successors arong out of or related to the performance of seneces hereunder by Cardinal, regardless of whether such claims Relinquished By: Date: 12 CO Received By: Relinquished By: Received By: 22 CO Received By:				Chi		<u>u</u>	<u>t_</u>		REMARK	s: Sil	ادري ^ا	١,,,	v. 11-	-	K	12_	11.58	7						
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Sampler - UPS	- Bus - Other:			l E	Yes	s M	Yes		J	10	dB									*	AS	JH))	

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Analytical Report 306200

for

Terracon Consultants, Inc.- Midland

Project Manager: Clay McDonald

Kincaid 1724 # 111 94068156

20-JUN-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers: Norcross(Atlanta), GA 98015

North Carolina certification numbers: Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America Midland - Corpus Christi - Atlanta



20-JUN-08

Project Manager: Clay McDonald Terracon Consultants, Inc.- Midland 24 Smith Rd #261

Midland, TX 79705

Reference: XENCO Report No: 306200

Kincaid 1724 # 111

Project Address: Artesia, NM

Clay McDonald:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 306200. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 306200 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 306200



Terracon Consultants, Inc.- Midland, Midland, TX

Kincaid 1724 # 111

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-1 9.5' bgs	S	Jun-19-08 07:45	3 - 9.5	306200-001
SS-2 10' bgs	S	Jun-19-08 08:05	3 - 10	306200-002
SS-3 5.5' bgs	S	Jun-19-08 08:15	5.5 - 5.5	306200-003
SW-1	S	Jun-19-08 08:40		306200-004
WW-1	S	Jun-19-08 08:35		306200-005
WW-2	S	Jun-19-08 08·30		306200-006
SP-1	S	Jun-19-08 08·45		306200-007



Certificate of Analysis Summary 306200

Terracon Consultants, Inc.- Midland, Midland, TX

Project Name: Kincaid 1724 # 111

Project Id: 94068156 Contact: Clay McDonald

Project Location: Artesia, NM

 $\textbf{Date Received in Lab:} \quad Thu \ Jun-19-08 \ 01 \ 35 \ pm$

Report Date: 20-JUN-08

Project Manager: Brent Barron, II

								I Toject Mia	muger.	Dient Darron,	**		
	Lab Id:	306200-0	01	306200-0	02	306200-0	03	306200-	004	306200-0	05	306200-0	06
Analysis Requested	Field Id:	SS-1 9 5'	SS-1 9 5' bgs		gs	SS-3 5 5' bgs		SW-I		WW-1		WW-2	
Anaiysis Requesieu	Depth:	3-9 5	3-9 5		3-10 5 5-5 5								
	Matrix:	SOIL	SOIL			SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-19-08 (Jun-19-08 07 45		8 05	Jun-19-08 08 15		Jun-19-08 08 40		Jun-19-08 08 35		Jun-19-08 08 30	
Inorganic Anions by EPA 300	Extracted:		!										
, g :	Analyzed.	Jun-20-08 (Jun-20-08 01 00		1 00	Jun-20-08 01 00		Jun-20-08	01 00	Jun-20-08 (01 00	Jun-20-08 0	1 00
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2610	50 0	4420	50 0	122	100	998	100	8490	100	1220	20 0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 306200

Terracon Consultants, Inc.- Midland, Midland, TX

Project Name: Kincaid 1724 # 111

Project Id: 94068156 Contact: Clay McDonald

Project Location: Artesia, NM

Date Received in Lab: Thu Jun-19-08 01 35 pm

Report Date: 20-JUN-08 Project Manager: Brent Barron, II

	Lab Id:	306200-007		•	
Analysis Requested	Field Id.	SP-1			
Analysis Requesieu	Depth:				
	Matrix:	SOIL			
	Sampled:	Jun-19-08 08 45			
Inorganic Anions by EPA 300	Extracted:				
morganic Amons by Er A 300	Analyzed:	Jun-20-08 01 00			
	Units/RL:	mg/kg RL			
Chloride		734 20 0			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

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Brent Barron Odessa Laboratory Director

XENCO Laboratories

Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte.

 The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477
	(281) 589-0692 (214) 902 0300 (210) 509-3334 (813) 620-2000 (305) 823-8500



Blank Spike Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 306200

Project ID:

94068156

Lab Batch #: 725950

Sample: 725950-1-BKS

Matrix: Solid

Date Analyzed: 06/20/2008

Date Prepared: 06/20/2008

Analyst: LATCOR

Reporting Units: mg/kg	Batch #:	BLANK/BLANK SPIKE RECOVERY STUDY							
Inorganic Anions by EPA 300	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags			
Analytes	[A]	[B]	Result [C]	%R {D}	%R				
Chloride	ND	10 0	10 0	100	75-125				



Form 3 - MS Recoveries

Project Name: Kincaid 1724 # 111



Work Order #: 306200

Lab Batch #: 725950 **Date Analyzed:** 06/20/2008

Project ID: 94068156

Date Prepared: 06/20/2008

Analyst: LATCOR

QC- Sample ID: 306200-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX	SPIKE	RECOVERY	STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]		Control Limits %R	Flag
Chloride	2610	1000	4180	157	75-125	X



Sample Duplicate Recovery



Project Name: Kincaid 1724 # 111

Work Order #: 306200

 Lab Batch #: 725950
 Project ID: 94068156

 Date Analyzed: 06/20/2008
 Date Prepared: 06/20/2008
 Analyst: LATCOR

QC- Sample ID: 306200-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg SAMPLE / SAMPLE DUPLICATE RECOVERY							
Inorganic Anions by EPA 300 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag		
Chloride	2610	2670	2	20			

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	vironmenta Laboratories Company	CHAIN OF CUSTODY FECORD AND ANALYSIS REQUEST 12600 West 1-20 East Phone 432 563-1800 Odessa, Texas 79765 Fax 432-563-1713																											
	Project Manager /	Las Me	5	m.	eld.																		F//						
	Company Name	Terran														roject = 94068156													
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	City/State/Zip	11.														rice Artosia NMI													
	Telephone No	432 - 1	84-9600 Fax No													Report Format Standard STRRP NPDES										DES			
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(Aluo pen del)	01 55-1 95 hgs				Date Sampled		<u> </u>	X K Isa	HNO,	14,50,	NaOH	None	Other (Specify)	CW-Grandwale St-Sudge	TOWN AND Specify Char		ns (Ca Mg Na K)	C) SO4 AIR		Metals As Ag Ba Cd Cr Pb Votalies	Semivolaties	5030 or 811. x	1 1	NORM		,	RUSH TAT (Pro-dehadura) Standard TAT		
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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Chent	Terracon
Date/ Time	<u>6.19 08 13 35</u>
Lab ID#	304200
Initials	AL

Sample Receipt Checklist

	Sample Receipt	OHOURHSt		Client Init
# 1	Temperature of container/ cooler?	Yes	No	9.5 °c
12	Shipping container in good condition?	Yes	No	
# 3	Custody Seals intact on shipping container/ cooler?	Yes	Nο	Not Present
# 4	Custody Seals intact on sample bottles/ container?	(es)	No	Not Present
# 5	Chain of Custody present?	(es	No	
76	Sample instructions complete of Chain of Custody?	(cec)	No	
¥7	Chain of Custody signed when relinquished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	(es)	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?	Yes	No	
#12	Samples in proper container/ bottle?	(PS)	No	See Below
#13	Samples properly preserved?	Y(es)	No	See Below
#14	Sample bottles intact?	(es	No	
#15	Preservations documented on Chain of Custody?	/(es)	No	
#16	Containers documented on Chain of Custody?	Xes	No	
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18	All samples received within sufficient hold time?	(es)	No	See Balow
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)
#20	VOC samples have zero headspace?	Yes	No	(Not Applicable)

Variance Documentation

Contact		Contacted by	Date/ Time
Regarding	 		
Corrective Action Taken			
Check all that Apply		See attached e-mail/ fax Client understands and would like to proceed with ani Cooling process had begun shortly after sampling eve	

Table 6-19-08

CONCENTRATIONS OF TPH IN SOIL

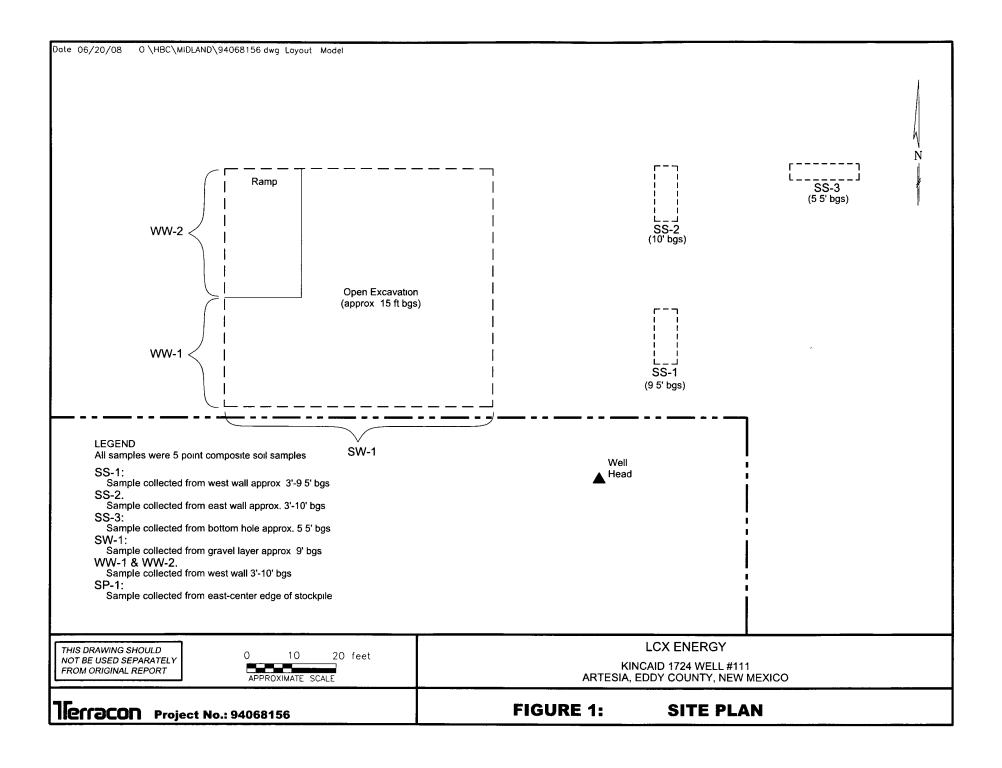
LCX Energy Kinncaid 1724 Well #111 Eddy County, NM

Terracon Project Number 94068156

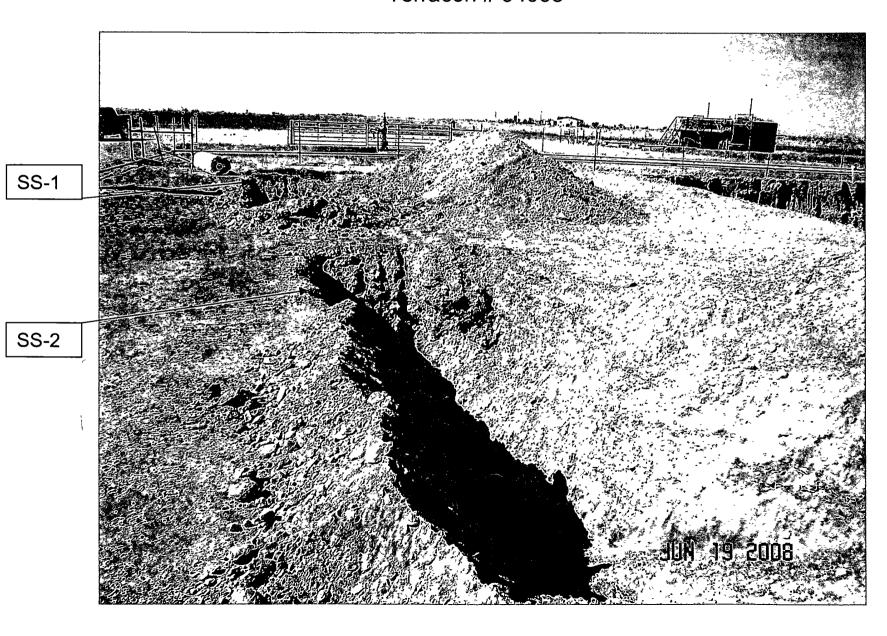
All concentrations are in mg/kg

SAMPLE DATE	SAMPLE	SW 846 9253
SAIVIPLE DATE	LOCATION	Chlorides
6/19/2008	SS-1 9.5' bgs	2,610.0
	SS-2 10' bgs	4,420.0
	SS-3 5 5' bgs	122 0
	SW-1	998.0
	WW-1	8,490.0
	WW-2	1,220.0
	SP-1	734.0

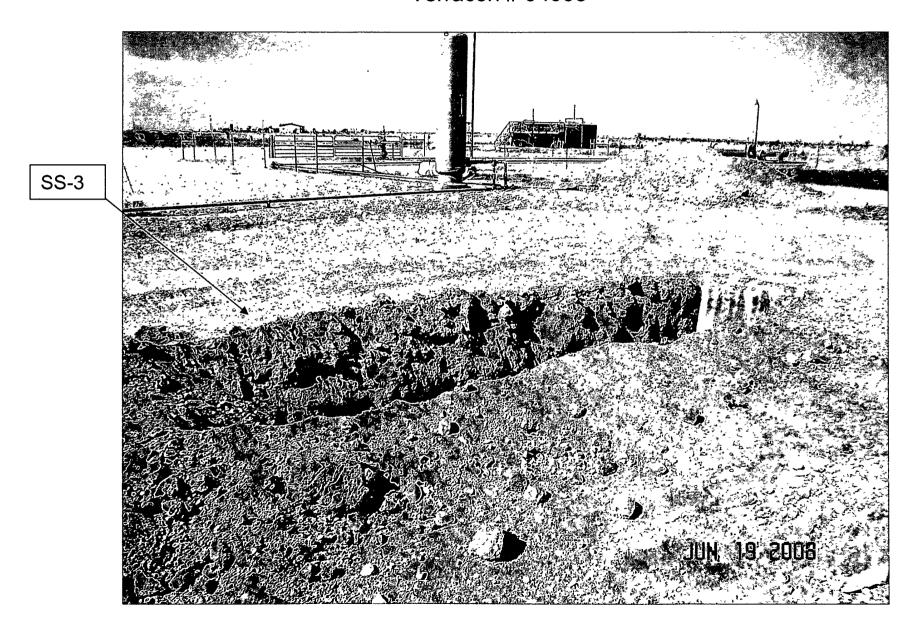
CONCENTRATIONS IN BOLD ARE ABOVE REGULATORY LIMIT of <1,000 mg/kg CHLORIDES

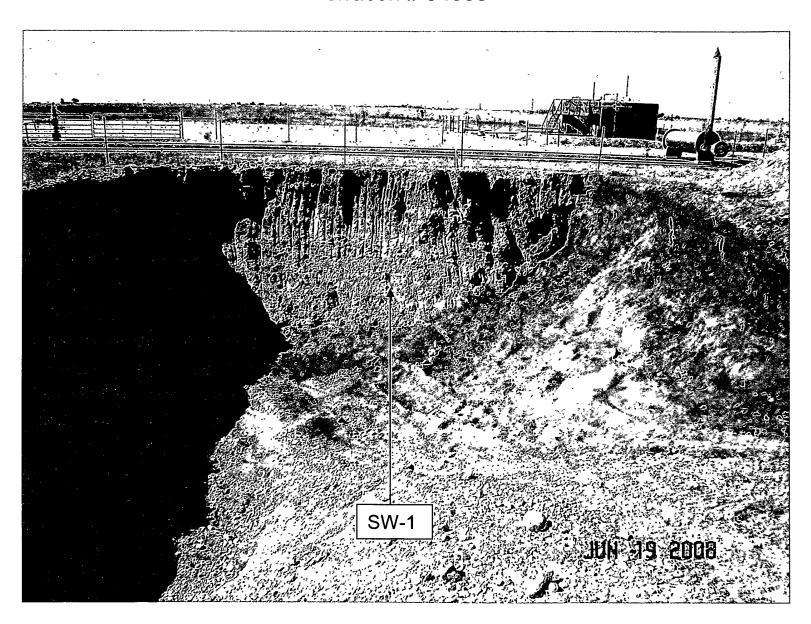


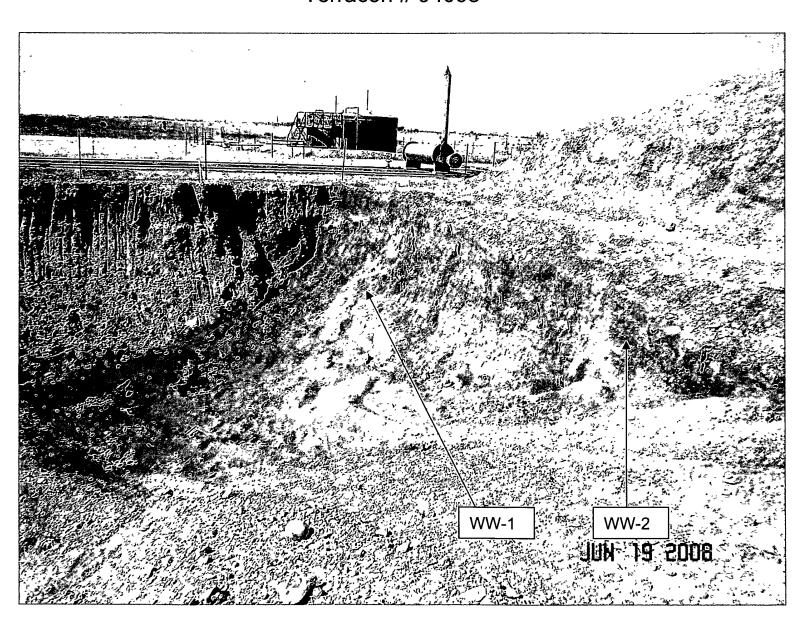
JUL - 1 2008 OCD-ARTESIA

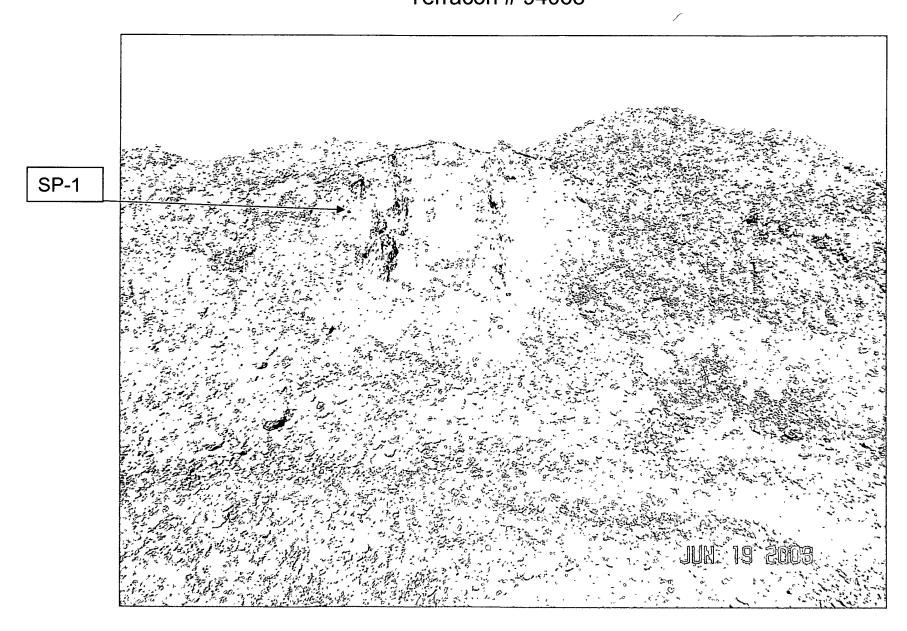


LCX Energy

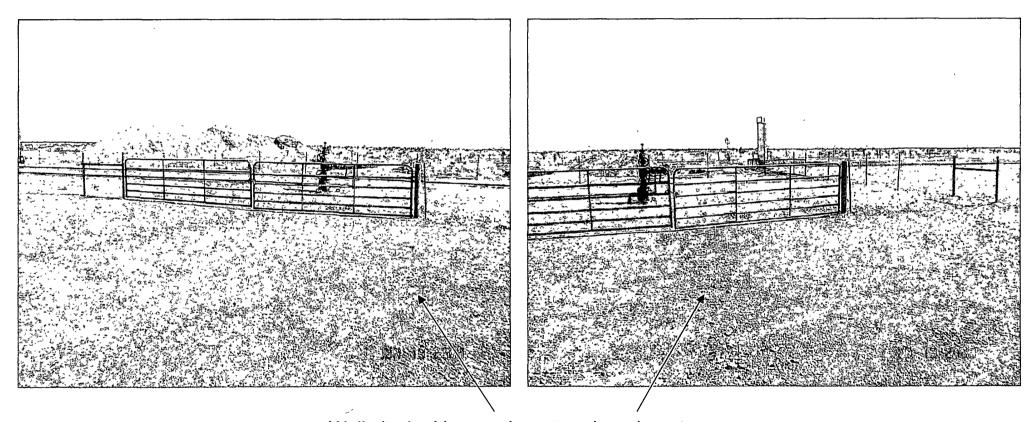








LCX Energy
Kincaid 1724 Well #111
Artesia, Eddy County, NM
Terracon # 94068



Well site looking northwest and northeast.



SURBOWN

ANALYTICAL RESULTS FOR LCX ENERGY ATTN: JOHN LOWERY 110 N. MARIENFELD, SUITE #200

MIDLAND, TX 79701

FAX TO: (432) 687-2521, (575) 622-0233

& (575) 578-0180

Receiving Date: 04/01/08 Reporting Date: 04/02/08 Project Number. 1724

Project Name: KINKAID WELL #111 Project Location: EDDY COUNTY, NM Analysis Date: 04/01/08 Sampling Date: 04/01/08 Sample Type: SOIL

Sample Condition: INTACT Sample Received By: NF

Analyzed By: KS

		CI
LAB NUMBER	SAMPLE ID	(mg/kg)
H14545-1	SOUTH WEST	9,200
H14545-2	WEST WALL	25,600
H14545-3	NORTH PILE	1,280
H14545-4	SOUTH PILE	1,060
H14545-5	WEST PILE	1,200
H14545-6	EAST PILE	1,150
H14545-7	NORTH WALL	4,080
H14545-8	NORTH FLOOR	736
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent	t Difference	20

RAPTION, Obertal and Raption de	4500-CI-B
METHOD: Standard Methods	1 4000-0-15
METHOD. Canada Methodo	, .000 0. 0

Note: Analyses performed on 1:4 w:v aqueous extracts.

Brist Suproto



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(505) 393-2326 F	*																		Page	of				
Company Name: L(X EW6Y										BIL	L TO					ANALYSIS REQUEST									
Project Manager								P. O.											-					1	
Address:	1) N Marin Fie La						Company:																		
City Mid	an of V	State TX	Zıp.	7	971	6/		Attn		·						ļ									
Phone #: 431	T.T	Fax #: 430		7	25	2/		Add				• • • •		[-			- {			1 1		-		
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- 3	North of	le wall	X			X					4/1		10:31	X											
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-5	West on	٠	X			*					2//		1033	<				_			_				
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-7	VOLTH'N	all	X		_	X	_		\perp		4/		10:35	X			_				_				
-4	North T-	loor	丛		-	X					1417		10:36	X					_		_				
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.