# LCX Energy Corporation Pit Closure Report for 1625 Fed. Com. Well #261 API#30-015-33435 Eddy County, New Mexico

Prepared for:

LCX ENERGY CORPORATION 110 N. MARIENFIELD SUITE 200 MIDLAND, TX. 79701

By:

South Environmental Services, LLC P.O. Box 11064. Midland, TX 79702 (432) 682-3547

August 27, 2008

Accepted for record NMOCD

SEP 0 4 2008 Final Closure Report

### I. Purpose

The purpose of this report is to provide a closure report on the Federal 25 #1 pit closure in Eddy County, New Mexico (see Figure 1 for the site map). This report details all the events pursuant to closure of the site in such a manner that protects the population, environment, and groundwater in the area.

#### II. Work Performed

South Environmental Services, LLC (LCX) was contacted by LCX Energy Corporation. to excavate and close a pit at a site located in Section 26, Township 16 South, Range 25 East, in Eddy County, New Mexico. SES closed the pit according to the pit closure requirements outlined by the state of New Mexico Oil Conservation Division.

Groundwater is not expected to be affected by the pit closure. A core sample was obtained and submitted for analyses to Environmental Labs of Texas (ELOT).

# III. Disposal of Pit Material

No material was sent for disposal and no waste manifests were generated.

#### IV. Limitations

South Environmental Services, LLC has prepared this Pit Closure Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

South has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. South has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. South has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. South also notes that the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of LCX Energy Corporation. The information contained in this report including all

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exhibits and attachments, may not be used by any other party without the express written consent of South, and LCX Energy Corporation.

# V. Conclusions

Based on the data and the work performed the site is considered closed. No further action is needed at the site.

# VI. Figures and Appendices

Figure 1 -- Site Map

Appendix A- Analytical Results Appendix B- Form Map Appendix C- Form C-144

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ANALYTICAL RESULTS FOR

LCX

ATTN: JOHN LOWERY

110 N MARIENFELD, SUITE #200

MIDLAND, TX 79701

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

& (575) 578-0180

Receiving Date: 03/24/08

Reporting Date: 03/24/08

Project Number: API 30-015-33435

Project Name: FED COM 1625 WELL 261

Project Location: W. ARTESIA., NM

Analysis Date: 03/24/08 Sampling Date: 03/24/08

Sample Type: SOIL

Sample Condition: INTACT Sample Received By: ML

Analyzed By: KS

		CI
LAB NUMBER	SAMPLE ID	(mg/kg)
H14498-1	NORTHSIDE	400
H14498-2	SOUTHSIDE	64
	The court of the digity control of the control of t	
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1

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

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ANALYTICAL RESULTS FOR LCX ATTN. JOHN LOWERY 110 N. MARIENFELD, SUITE #200 MIDLAND, TX 79701 FAX TO: (432) 687-2521, (575) 622-0233 & (575) 578-0180

Receiving Date: 03/24/08
Reporting Date: 03/24/08
Project Number: API 30-015-33435
Project Name: FED COM 1625 WELL 261
Analysis Date: 03/24/08
Sampling Date: 03/24/08
Sample Type: SOIL
Sample Condition; INTACT

Project Location: ARTESIA., NM Sample Received By: ML

Analyzed By: KS

		СГ
LAB NUMBER	SAMPLE ID	(mg/kg)
H14499-1	N.E. CORNER	224
H14499-2	N.W. CORNER	112
H14499-3	CENTER	496
H14499-4	S.W. CORNER	3,360
H14499-5	S.E. CORNER	4,400
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent	t Difference	2.0

METHOD: Standard Methods 4500-CI-B

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

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Date

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ATTN: JOHN LOWERY

110 N. MARIENFELD, SUITE #200

MIDLAND, TX 79701

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

& (575) 578-0180

Receiving Date: 03/25/08

Reporting Date: 03/26/08

Project Number: API 30-015-33435

Project Name FED COM 1625 WELL 261

Project Location: W. ARTESIA., NM

Analysis Date: 03/26/08 Sampling Date: 03/25/08

Sample Type: SOIL

Sample Condition: INTACT Sample Received By: MIL

Analyzed By: HM

		C
LAB NUMBER S	SAMPLE ID	(mg/kg)
H14506-1	S E. CORNER	1,250
H14506-2	S.W. CORNER	11,300
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent C	Difference	< 0.1

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

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**ANALYTICAL RESULTS FOR** 

**LCX** 

ATTN: JOHN LOWERY

110 N. MARIENFELD, SUITE #200

MIDLAND, TX 79701

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

& (575) 578-0180

Receiving Date: 03/18/08 Reporting Date: 03/18/08

Project Number: API 30-015-33435

Project Name: FED COM 1625 WELL 261

Project Location: ARTESIA, NM

Analysis Date: 03/18/08 Sampling Date: 03/18/08 Sample Type: SOIL

Sample Condition: INTACT Sample Received By: ML

Analyzed By: HM

		CF
LAB NUMBER	SAMPLE ID	(mg/kg)
H14461-1	NORTHSIDE	96
H14461-2	SOUTHSIDE	80
· .		
	· · · · · · · · · · · · · · · · · · ·	
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent	Difference	< 0.1

METHOD: Standard Methods 4500-CI-B

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

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Project Location: ARTESIA, NM

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: 04/18/08
Reporting Date: 04/18/08
Project Number: API 30-015-33435
Project Name: FED COM 1625 WELL 261

Analysis Date: 04/18/08
Sampling Date: 04/18/08
Sample Type: SOIL
Sample Condition: INTACT

Sample Received By: ML

Analyzed By: KS

		CF
LAB NUMBER	SAMPLE ID	(mg/kg)
H <b>14679</b> -1	SW CORNER	2,320
H14679-2	CENTER	6,240
H14679-3	SE CORNER	160
	•	
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	2.0

METHOD: Standard Methods 4500-CI-B

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

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Date

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District. 1 No.25 N. Escapela Del , Hebber, NM 85240 District II
Fig. W. Crand Avenue. Attento. NM 88210
District III
1000 Rig Brazin Road, Azirc, NM 87410 1770 S St Flancis Dr. Sants Fe. NM 87505

State of New Mexico Friengs Minerals and Natural Resources

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

MAR ID & 08 CODARTOR

Form C-144 June 1, 500s

For drilling and production facilities, solunit to appropriate NM(XI) District Office For downstream facilities, sulmin to Santa Fe office

	ade Tank Registration or Clos	
Is pit or below grade tar	nk covered by a "general plan"? Yes	No 🔀
Type of action. Registration of a pix	or below-grade tank [ ] Closure of a pit or below-	-grade tank to
Operator LCX Energy LLC Telephon	ne <u>432-687-1575</u> e munit ad	these ilowery@ecronline.com
Address: 110 N. Marienfeld Suite 200 Midland, Tex	cas 79701	
Facility or well name. Fed Com 1625 Well 26421 County. Eddy Laurence	30 015- 33 435 U/L ox Q0/Q0	500 26 T/65 R 25E
Surface Chaner, Federal   State   Private   Indian	- Langinus	
Pit	Below grade lank	-
Das: Drilling   Production   Disposal	Volume: obl Type of fluid:	
Workover D Emergency	Construction material.	
Lined M Unlined	Double-walled, with look detection? Yes 🔲 to	Cnot, explain why not
Liner type: Synthetic M Thickmen 12 mil Clay		•
Pit Volume: 11900 phi		
and the same of th	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bettom of pit to scanonal		(10 points) XXX
high water elevation of ground water.)	50 feet or more, but less than 100 feet	
· ·	100 feet or more.	( 0 points)
Weilhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)
water source, or less than 1000 feet from all other water sources.)	No -	( 0 points) XXX
	Less than 200 feet	(20 points)
Distance to surface water. (horizontal distance to all wedlands, playes,	200 feet or more, but less than 1000 feet	(10 points)
urrigation cantle, ditches, and perennal and ephemoral watercourses.)	1000 feet or more	( 6 ponnia) XXX
	Ranking Score (Total Points)	10 Points
remediation start date and end date. (4) Groundwater encountered: No K (5) Attach soil sample results and a diagram of earspie locations and excava		ft. and attack sample results.
Additional Comments Work Plan for the closure of drilling pit. The drill		And An annual Company of the annual production
and lined with a 12 mil synthetic liner on former drilling pit site. Drilling t		*
then be placed over the pit contents with a min of a 3" over lap of the under		
of clean soil and like material. A one call and 48 hr notice will be provided to week after permit approval.	d to the Uil Conservation Division before pit closu	me actions begin Pat closure actions will begin
- ter parint approva.		
I hereby certify that the miturns tion above is true and complete to the best bas been/will be committeeted or closed according to NMOCD guideline	of my knowledge and belief. I further certify the ca	nt the above-described pit or below-grade tank rantive OCD-approved plan
Dake 3-2-08	1.8	•
Printed Name Title Dolly WA Ker, tick Supervision	morne Ally Walk	
Your certification and NMOCD approval of this application/closure does to otherwise endanger public health or the environment. Nor does it relieve to regulations.	not relieve the oper for of hability sty aid the count the operator of its hesponsibility for compliance wi	effs of the pit or tenk consuminate ground water or ith any other foderal, state, or local laws and/or
TIFY OCD 24 HOURS PRIOR to puting closure and 24 HOURS PRIOR	Signed By Mily	Baserier MAR 1 0 2008
otaining samples. Samples are to be If buried terrets is	Simoner	Date:
ined from pit area and analyses in pit area, sample	es are to be obtained	+ 8/27/08
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