

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
20 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

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

Pit or Below-Grade Tank Registration or Closure

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

Final Report

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

Operator: <u>EOG Resources, Inc.</u> Telephone: <u>432-6863600</u> e-mail address: <u>Bgrigry@msn.com</u>		
Address: <u>P O Box 2267 Midland, TX 79702</u>		
Facility or well name: <u>Meramec C4 Fee #2H</u>	API #: <u>30-015-35161</u>	U/L or Qtr/Qtr <u>P</u> Sec <u>4</u> T <u>16S</u> R <u>25E</u>
County: <u>Eddy</u>	Latitude _____	Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>10300</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points) XXX
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	(0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	No	(0 points) XXX
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) XXX
	1000 feet or more	(0 points)
Ranking Score (Total Points)		30 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 you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: A burial pit was constructed and lined with a 12mil impervious liner. The drilling pit contents were mixed with Elke Environmental Solidification Product at a 20 (mud) to 1 (product) ratio to solidify the contents and placed in the burial pit. The burial pit was capped with a 20 mil liner and backfilled with clean native soil. 5 bottom points were sampled in the drilling pit and meet NMOCD standards. The drilling pit was backfilled with clean native soil and contoured to the surrounding area.

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

Date: 9/24/07
Printed Name/Title: Brett Grigry EOG Rep Signature: [Signature]

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

Approval: _____
Printed Name/Title: _____ Signature: [Signature] Date: OCT 10 2007

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

SEP 26 2007
OCD-ARTESIA

September 6, 2007

EOG Resources
Mr. Brett Grigry
4000 N. Big Spring Street Suite 500
Midland, TX 79705

Re: Drilling Pit Closure of EOG Resources – Meramec C4 Fee #2H
UL 'P' Sec. 4 T16S R25E Eddy County
API # 30-015-35161

Mr. Brett Grigry,

Enclosed is the closure report for the Meramec C4 Fee #2H. NMOCD requires that an EOG Resources representative sign and date the final C-144 which is the very last page of the closure report. Then mail one copy to:

NMOCD
Attn: Mike Bratcher
1301 W. Grand Ave.
Artesia, NM 88210

If you have any questions about the enclosed report please feel free to contact me at the office.

Sincerely,



Logan Anderson

Closure Report

Prepared for
EOG Resources

Meramec C4 Fee #2H
API # 30-015-35161
Eddy County, NM

Prepared by
Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

September 6, 2007

New Mexico Oil Conservation Division
Mr. Mike Bratcher
1301 West Grand Ave.
Artesia, New Mexico 88210

Re: Drilling Pit Closure of EOG Resources – Meramec C4 Fee #2H
UL 'P' Sec. 4 T16S R25E Eddy County, NM
API # 30-015-35161

Mr. Mike Bratcher,

Elke Environmental was contracted by EOG Resources to complete the closure of the Meramec C4 Fee #2H drilling pit. As per the C-144 filed and signed by Mike Bratcher on 8-6-07 a burial pit was constructed and lined with 12 mil liner. The drilling mud was mixed with Elke Environmental Solidification Product at a 20(mud) : 1(product) ratio and placed in the burial pit. 5 bottom points were analyzed and meet NMOCD standards. The burial pit was then capped with a 20 mil impervious liner. The drilling pit and burial pit were then backfilled with clean native soil and domed to prevent pooling. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

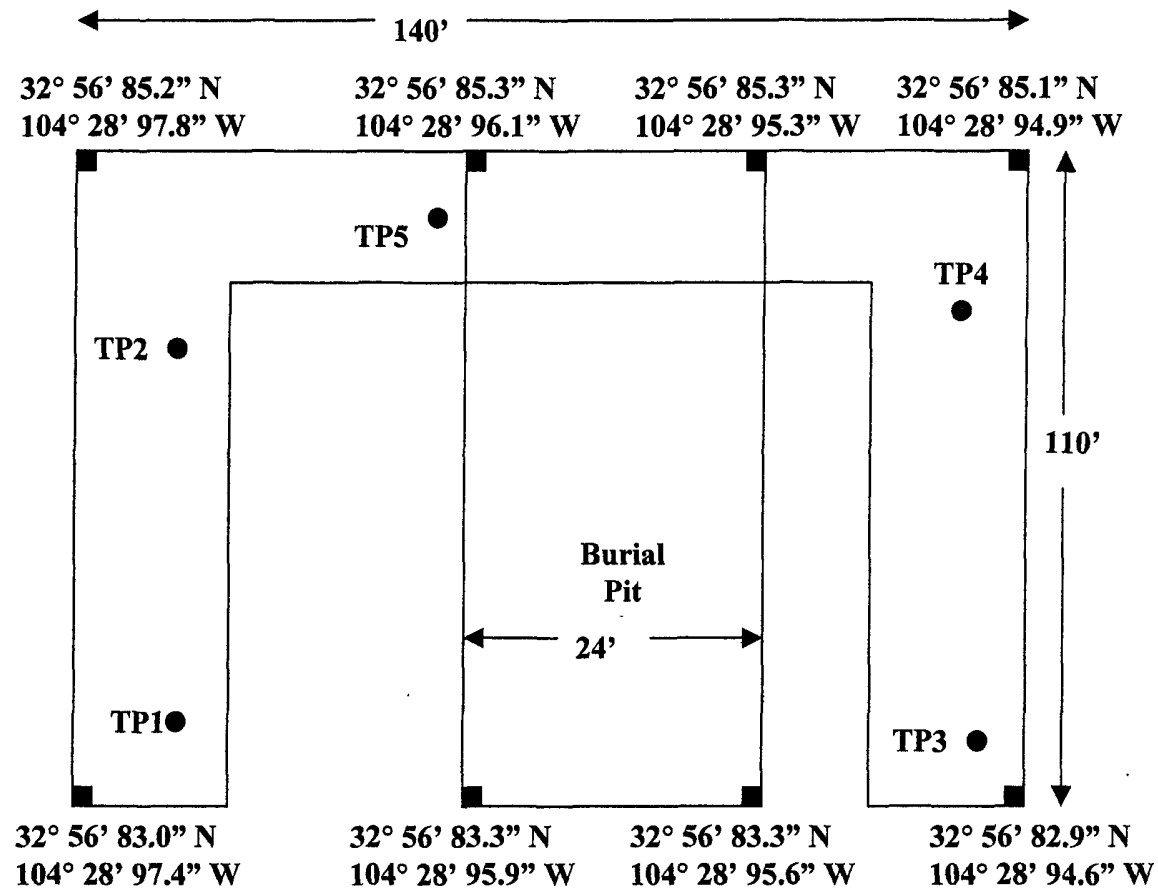


Logan Anderson

EOG Resources
Meramec C4 Fee #2H



Plat Map



■ Wellhead
32° 56' 82.1" N
104° 28' 94.5" W

P.O. Box 14167 Odessa, TX 79768

Client EOG Resources

Analyst Kim Baker

Site Meramec C4 Fee #2H

[illegible]

Analyst Notes

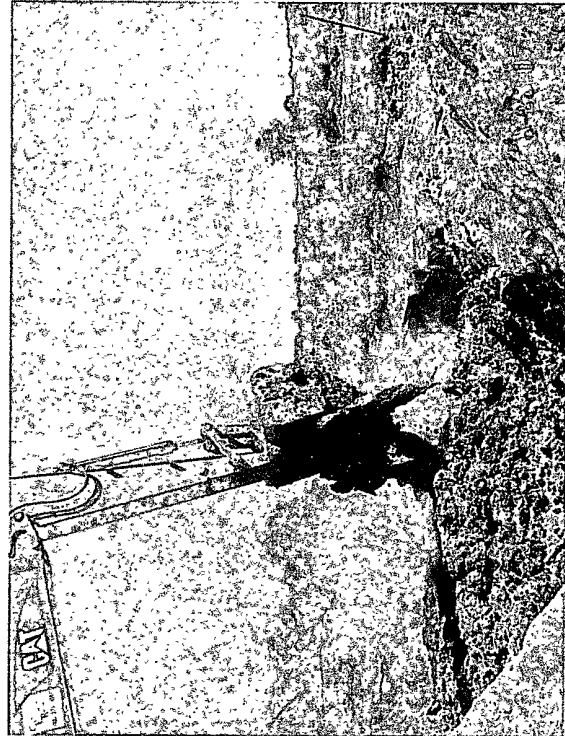
EOG Resources – Meramec C4 Fee #2H



Drilling pit before closure starts.



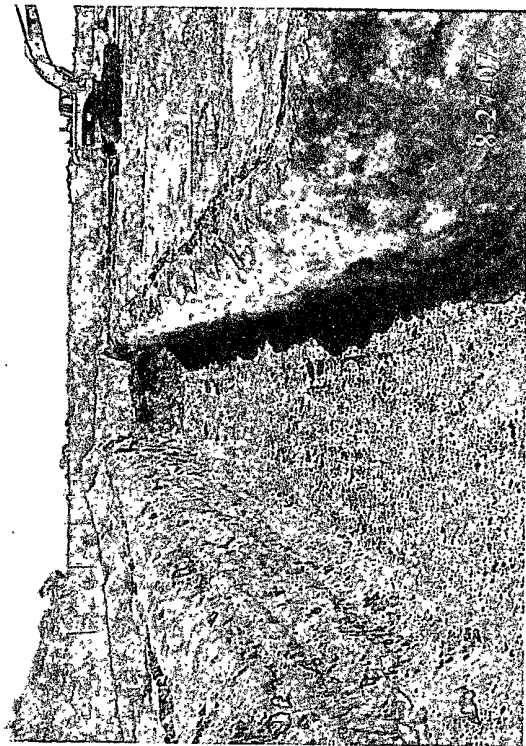
Burial pit lined with a 12 mil liner.



Mixing mud with Elke Environmental Solidification Product.



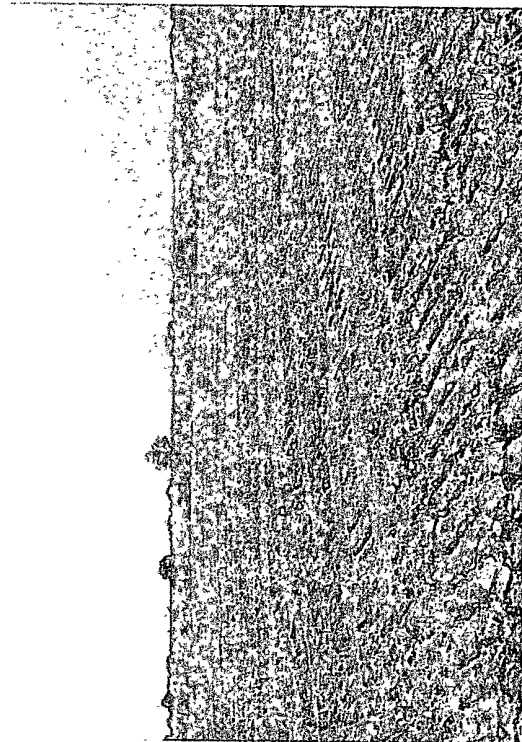
Burial pit after capped with a 20 mil impervious liner.



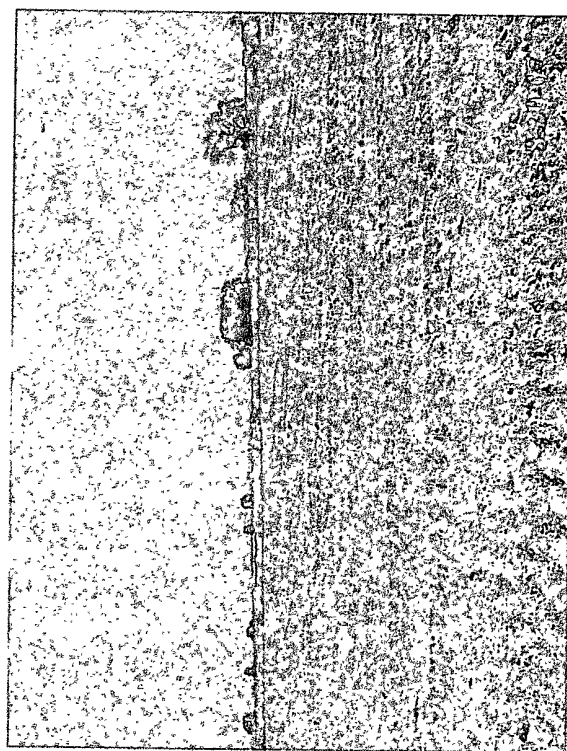
Drilling pit after mud is removed and solidified.



Drilling pit bottom after testing meets NMOCD standards.



Drilling pit and burial pit after backfill and contouring.



Drilling pit and burial pit after backfill and contouring.

Analytical Report 288906

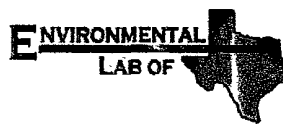
for

Elke Environmental, Inc.

Project Manager: Kim Baker

EOG Resources

11-SEP-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



11-SEP-07

Project Manager: **Kim Baker**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **288906**
EOG Resources
Project Address: Mermac C4 Fee #2H

Kim Baker:

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 288906. 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. 288906 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

Odessa Laboratory Director

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Certificate of Analysis Summary 288906

Elke Environmental, Inc., Odessa, TX

Project Name: EOG Resources



Project Id:

Contact: Kim Baker

Project Location: Mermac C4 Fee #2H

Date Received in Lab: Sat Sep-01-07 10:36 am


Report Date: 11-SEP-07

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	288906-001	288906-002	288906-003	288906-004	288906-005	
	<i>Field Id:</i>	TP1 @ 12'	TP2 @ 12'	TP3 @ 12'	TP4 @ 12'	TP5 @ 12'	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Aug-29-07 08:00	Aug-29-07 09:00	Aug-29-07 10:00	Aug-29-07 11:00	Aug-29-07 12:00	
Inorganic Anions by EPA 300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-04-07 11:51	Sep-04-07 11:51	Sep-04-07 11:51	Sep-04-07 11:51	Sep-04-07 11:51	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		56.4 10.3	112 10.4	66.9 10.1	80.3 23.8	242 11.4	
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-04-07 09:40	Sep-04-07 09:00	Sep-04-07 09:00	Sep-04-07 09:00	Sep-04-07 09:00	
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		2.45 1.00	3.52 1.00	1.41 1.00	16.1 1.00	12.1 1.00	
TPH by SW8015 Mod	<i>Extracted:</i>	Sep-06-07 13:58	Sep-06-07 13:58	Sep-06-07 13:58	Sep-06-07 13:58	Sep-06-07 13:58	
	<i>Analyzed:</i>	Sep-07-07 10:38	Sep-07-07 11:08	Sep-07-07 11:38	Sep-07-07 12:09	Sep-07-07 12:40	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND 10.3	ND 10.4	ND 10.1	ND 11.9	ND 11.4	
C12-C28 Diesel Range Hydrocarbons		ND 10.3	ND 10.4	ND 10.1	ND 11.9	ND 11.4	
C28-C35 Oil Range Hydrocarbons		ND 10.3	ND 10.4	ND 10.1	ND 11.9	ND 11.4	
Total TPH		ND	ND	ND	ND	ND	

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


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.

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(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



Form 2 - Surrogate Recoveries

Project Name: EOG Resources



Work Order #: 288906

Project ID:

Lab Batch #: 704032

Sample: 288906-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	41.7	50.0	83	70-135	
1-Chlorooctane	48.2	50.0	96	70-135	

Lab Batch #: 704032

Sample: 288906-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	36.7	50.0	73	70-135	
1-Chlorooctane	47.0	50.0	94	70-135	

Lab Batch #: 704032

Sample: 288906-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	35.7	50.0	71	70-135	
1-Chlorooctane	45.3	50.0	91	70-135	

Lab Batch #: 704032

Sample: 288906-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	35.1	50.0	70	70-135	
1-Chlorooctane	42.8	50.0	86	70-135	

Lab Batch #: 704032

Sample: 288906-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	36.2	50.0	72	70-135	
1-Chlorooctane	42.5	50.0	85	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \times A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG Resources



Work Order #: 288906

Project ID:

Lab Batch #: 704032

Sample: 288906-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	36.2	50.0	72	70-135	
1-Chlorooctane	43.2	50.0	86	70-135	

Lab Batch #: 704032

Sample: 288906-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	38.9	50.0	78	70-135	
1-Chlorooctane	45.9	50.0	92	70-135	

Lab Batch #: 704032

Sample: 499062-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	47.0	50.0	94	70-135	
1-Chlorooctane	64.5	50.0	129	70-135	

Lab Batch #: 704032

Sample: 499062-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	45.3	50.0	91	70-135	
1-Chlorooctane	54.2	50.0	108	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: EOG Resources

Work Order #: 288906

Project ID:

Lab Batch #: 703762

Sample: 703762-1-BKS

Matrix: Solid

Date Analyzed: 09/04/2007

Date Prepared: 09/04/2007

Analyst: IRO

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Chloride	ND	100	91.6	92	75-125	

Lab Batch #: 704032

Sample: 499062-1-BKS

Matrix: Solid

Date Analyzed: 09/07/2007

Date Prepared: 09/06/2007

Analyst: SHE

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TPH by SW8015 Mod	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
C6-C12 Gasoline Range Hydrocarbons	ND	500	567	113	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	500	448	90	70-135	

Blank Spike Recovery [D] = $100 \times [C]/[B]$

All results are based on MDL and validated for QC purposes.



Form 3 - MS Recoveries

Project Name: EOG Resources



Work Order #: 288906

Lab Batch #: 703762

Date Analyzed: 09/04/2007

QC- Sample ID: 288823-001 S

Reporting Units: mg/kg

Date Prepared: 09/04/2007

Project ID:

Analyst: IRO

Batch #: 1

Matrix: Sludge

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	24900	10000	28500	36	75-125	X

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: EOG Resources

Work Order # 288906

Project ID:

Lab Batch ID: 704032

QC- Sample ID: 288906-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/07/2007

Date Prepared: 09/06/2007

Analyst: SHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	513	470	92	513	459	89	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	513	421	82	513	423	82	0	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA =
Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: EOG Resources

Work Order #: 288906

Lab Batch #: 703762

Date Analyzed: 09/04/2007

QC- Sample ID: 288823-001 D

Reporting Units: mg/kg

Date Prepared: 09/04/2007

Batch #: 1

Project ID:

Analyst: IRO

Matrix: Sludge

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	24900	24900	0	20	

Lab Batch #: 703701

Date Analyzed: 09/04/2007

QC- Sample ID: 288260-001 D

Reporting Units: %

Date Prepared: 09/04/2007

Batch #: 1

Analyst: RBA

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	10.2	9.78	4	20	

Spike Relative Difference $RPD = 200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

A Xanco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79766

Phone: 432-663-1800
Fax: 432-663-1713

Project Manager Kim Baker

Project Name: FOG Resource

Company Name Elke Environmental

Project #:

Company Address. P O Box 14167

Project Log: MCRMAC CY FLE #2H

City/State/Zip: Odessa, TX 79768

PO #:

Telephone No: 432-366-0043

Fax No: 432-366-0884

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *Ther. Baker*

e-mail. kb.elkeenv@yahoo.com

(lab use only)

ORDER #: 288906

[illegible]

407

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client EIKE Environmental
Date/ Time 09-01-07
Lab ID # 288906
Initials JMF

Sample Receipt Checklist

			Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="radio"/> Yes	No	<u>LD</u> °C
#2 Shipping container in good condition?	<input checked="" type="radio"/> Yes	No	
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/> Yes	No	Not Present
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="radio"/> Yes	No	Not Present
#5 Chain of Custody present?	<input checked="" type="radio"/> Yes	No	
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> Yes	No	
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/> Yes	No	
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	No	ID written on Cont / Lid
#9 Container label(s) legible and intact?	<input checked="" type="radio"/> Yes	No	Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> Yes	No	
#11 Containers supplied by ELDT?	<input checked="" type="radio"/> Yes	No	
#12 Samples in proper container/ bottle?	<input checked="" type="radio"/> Yes	No	See Below
#13 Samples properly preserved?	<input checked="" type="radio"/> Yes	No	See Below
#14 Sample bottles intact?	<input checked="" type="radio"/> Yes	No	
#15 Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
#16 Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	No	See Below
#18 All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No	See Below
#19 Subcontract of sample(s)?	<input checked="" type="radio"/> Yes	No	Not Applicable
#20 VOC samples have zero headspace?	<input checked="" type="radio"/> 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 analysis
 - ☐ Cooling process had begun shortly after sampling event

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

AUG 02 2007

Operator: EOG Resources, Inc. Telephone: 432-6863600 e-mail address: Bgrigry@msn.com **OCD-ARTESIA**
Address: P O Box 2267 Midland, TX 79702
Facility or well name: Meramec C4 Fee #2H API #: 30-015-35161 U/L or Qtr/Qtr P Sec 4 T 16S R 25E
County: Eddy Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>10300</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) XXX 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points) XXX
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) XXX 1000 feet or more (0 points)
Ranking Score (Total Points) 30 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 you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: A burial pit will be constructed and lined with a 12mil impervious liner. The drilling pit contents will be mixed with Elke Environmental Solidification Product at a 20 (mud) to 1 (product) 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 doomed to prevent pooling. A final report will be given at the end of the job.

NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be obtained from pit area and analyses submitted to OCD prior to back-filling.

NMOCD Artesia will be notified 48 hrs before work starts.

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

Date: 8-1-07

Printed Name/Title Logan Anderson - Agent

Signature [Signature]

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

Approval:

If pit is situated in an agricultural area pit contents MUST be hauled.

If burial trench is to be constructed in pit area, samples are to be obtained and analyses submitted to OCD PRIOR to lining trench.

Signature Signed By [Signature]

Date: AUG 06 2007

(8)