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

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

Form C-144
June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure

Final Report

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 ☒

Operator: EOG Resources, Inc. Telephone: 432-6863600 e-mail address: Bgrigry@msn.com
Address: P O Box 2267 Midland, TX 79702
Facility or well name: Crusoe BKO Fed Com #1H API #: 30-015-34729 U/L or Qtr/Qtr A Sec 24 T 16S R 24E
County: Eddy Latitude Longitude NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume 10300 bbl	Volume: bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) **XXX**
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **XXX**
	Ranking Score (Total Points)	**0 Points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ 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 stiffened with dry soil then placed in the burial Pit. The burial pit was capped with a 20 mil liner. 5 bottom sample points were analyzed and met NMOCD standards. The burial pit and drilling pit were 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: 12/10/07
Printed Name/Title Brett Grigry Field Sup 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 Accepted for record NMOCD Date: DEC 17 2007

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

December 4, 2007

EOG Resources
Mr. Brett Grigry
P O Box 3229
Carlsbad, NM 88220

Re: Drilling Pit Closure of EOG Resources – Crusoe BKO Fed Com #1
UL 'A' Sec. 24 T16S R24E Eddy County
API # 30-015-34729

Mr. Brett Grigry,

Enclosed is the closure report for the Crusoe BKO Fed Com #1. 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

Crusoe BKO Fed Com #1
API # 30-015-34729
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

December 4, 2007

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

Re: Drilling Pit Closure of EOG Resources – Crusoe BKO Fed Com #1
UL 'A' Sec. 24 T16S R24E Eddy County, NM
API # 30-015-34729

Mr. Mike Bratcher,

Elke Environmental was contracted by EOG Resources to complete the closure of the Crusoe BKO Fed Com #1 drilling pit. As per the C-144 filed and signed by Mike Bratcher on 11-26-07 a burial pit was constructed and lined with 12 mil liner. The drilling mud was mixed with dry soil to stiffen then placed in the burial pit. 5 bottom points were analyzed and met NMOCD standards. The burial pit was capped with a 20 mil impervious liner. The drilling pit and burial pit were then backfilled with clean native soil and contoured to the surrounding area. If you have any questions about the enclosed report please contact me at the office.

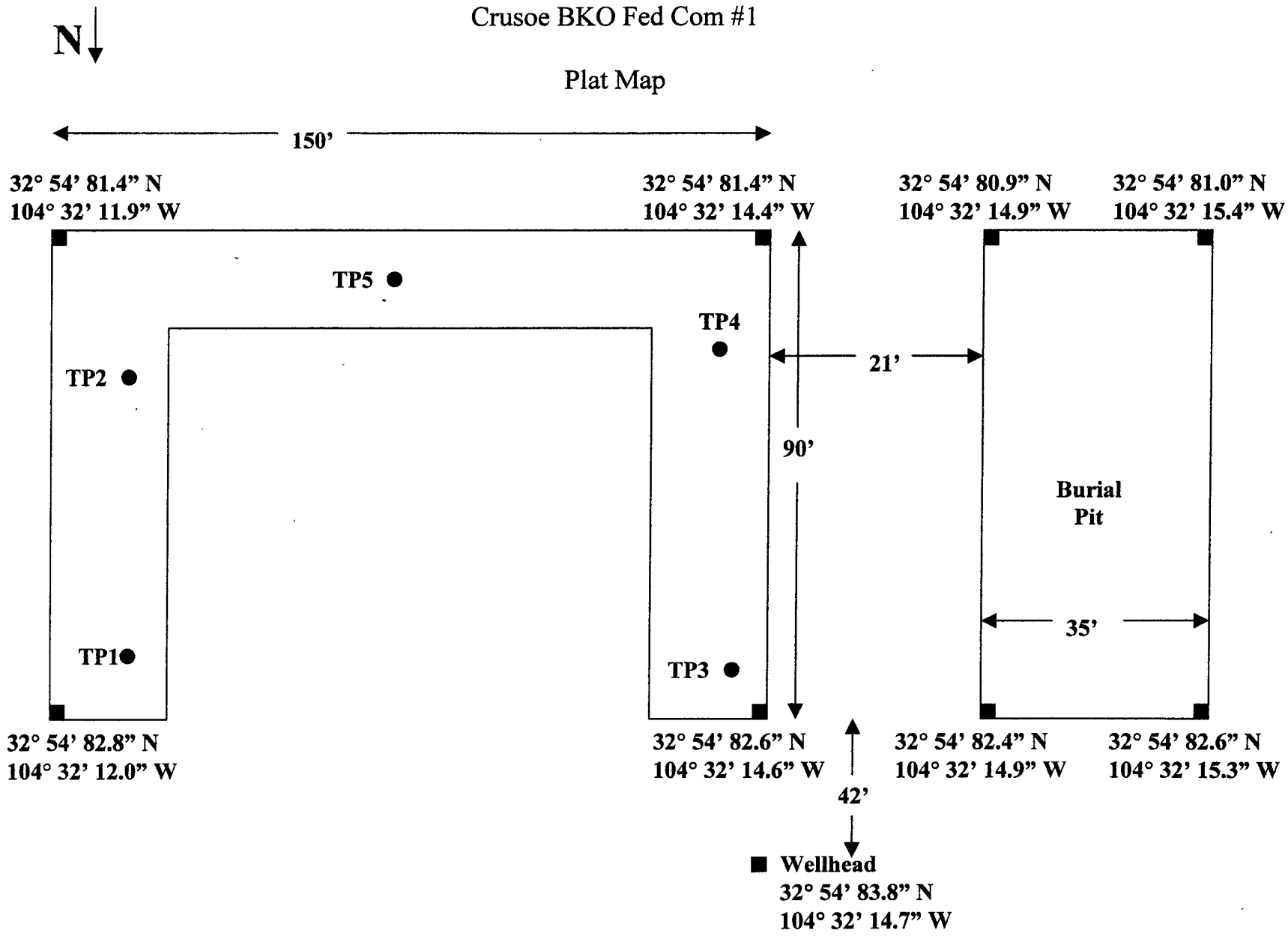
Sincerely,

Logan Anderson

EOG Resources

Crusoe BKO Fed Com #1

Plat Map



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

Field Analytical Report Form

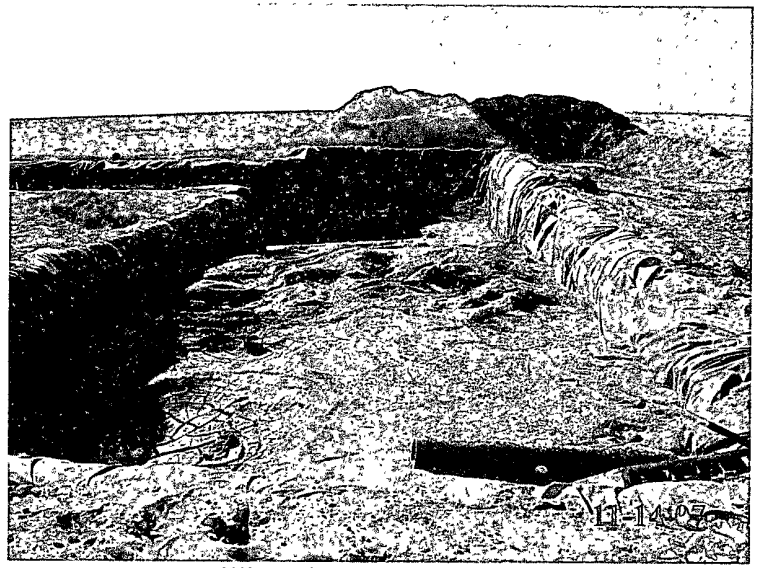
Client EOG Resources **Analyst** Robert Spangler

Site Crusoe BKO Fed Com #1

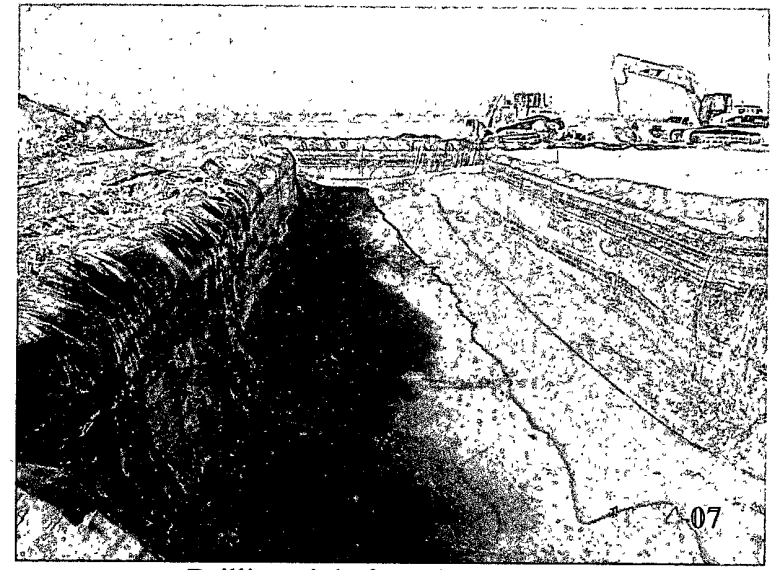
Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	11-19-07	12'		195	9.3	32° 54' 82.3" N 104° 32' 12.3" W
TP2	11-19-07	12'		187	3.7	32° 54' 81.6" N 104° 32' 12.3" W
TP3	11-19-07	12'		233	13.7	32° 54' 82.7" N 104° 32' 14.2" W
TP4	11-19-07	12'		174	5.3	32° 54' 81.9" N 104° 32' 14.3" W
TP5	11-19-07	12'		203	17.1	32° 54' 81.7" N 104° 32' 13.1" W

Analyst Notes

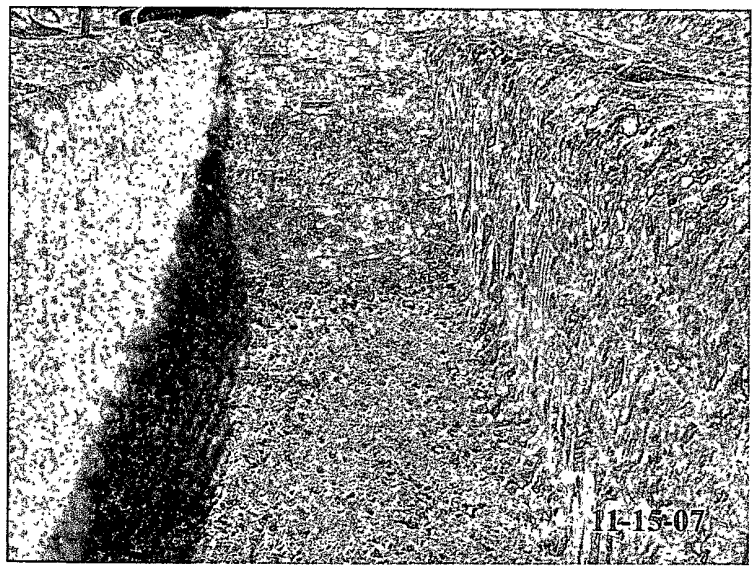
EOG Resources – Crusoe BKO Fed Com #1



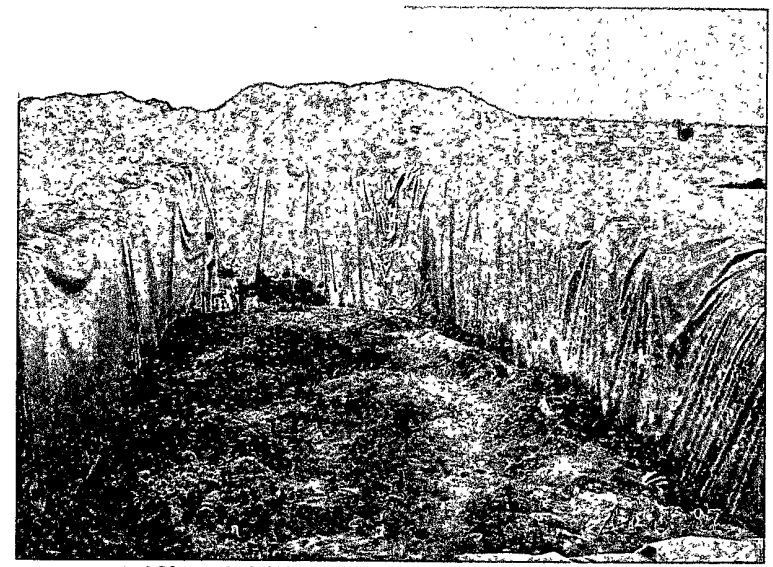
Drilling pit before closure.



Drilling pit before closure.

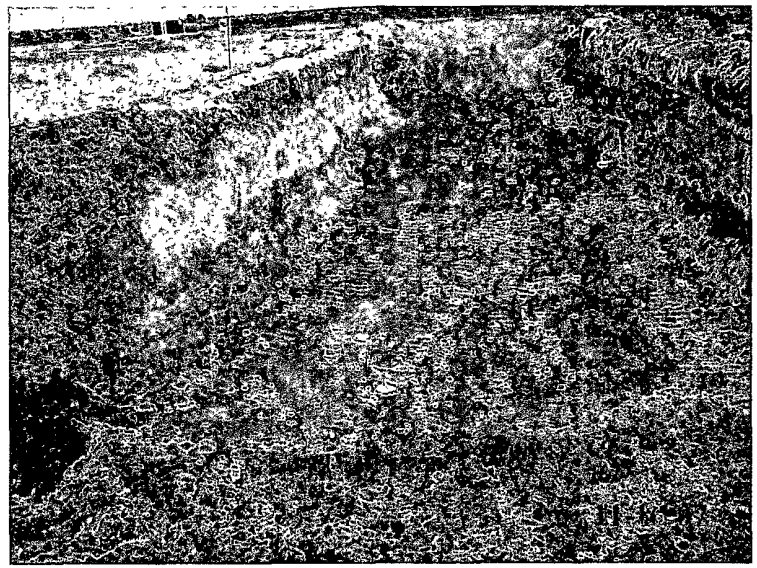


Burial pit before 12 mil impervious liner installation.

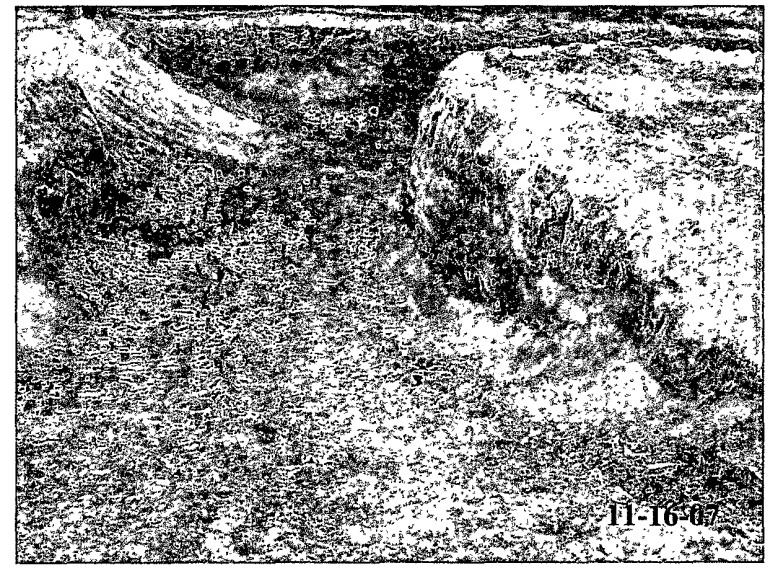


Stiffened drilling mud placed in burial pit.

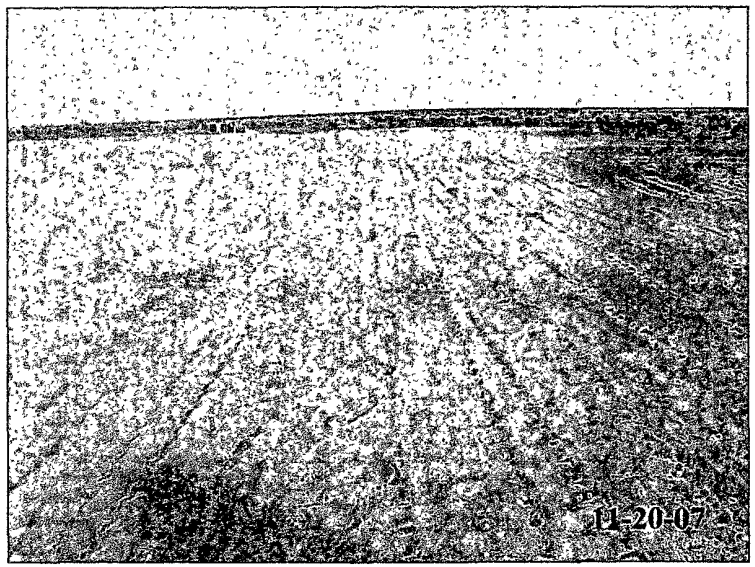
EOG Resources – Crusoe BKO Fed Com #1



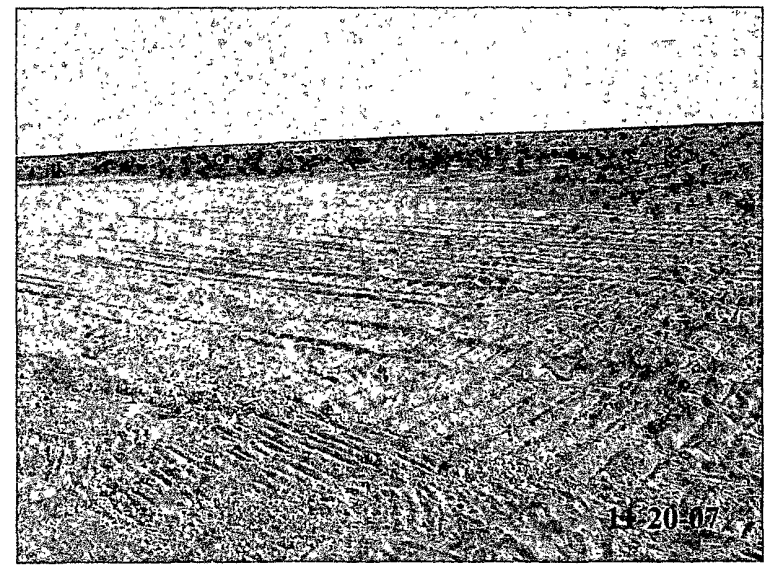
Drilling pit after mud is removed.



Drilling pit after mud is removed.



Drilling pit and burial pit after backfill and contouring.



Drilling pit and burial pit after backfill and contouring.

Analytical Report 293460

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

EOG Resources

30-NOV-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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

30-NOV-07

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

Reference: XENCO Report No: **293460**
EOG Resources
Project Address: CRUSOE BKO Fed #1

Logan Anderson:

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 293460. 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. 293460 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

Sample Cross Reference 293460

Elke Environmental, Inc., Odessa, TX

EOG Resources

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1@12'	S	Nov-19-07 13:00	12' ft	293460-001
TP2@12'	S	Nov-19-07 13:30	12' ft	293460-002
TP3@12'	S	Nov-19-07 14:00	12' ft	293460-003
TP4@12'	S	Nov-19-07 14:30	12' ft	293460-004
TP5@12'	S	Nov-19-07 15:00	12' ft	293460-005

Certificate of Analysis Summary 293460

Elke Environmental, Inc., Odessa, TX

Project Name: EOG Resources

Project Id:

Contact: Logan Anderson

Project Location: CRUSOE BKO Fed #1

Date Received in Lab: Wed Nov-21-07 03:15 pm

Report Date: 30-NOV-07

Project Manager: Brent Barron, II

Analysis Requested																
	Lab Id:	293460-001		293460-002		293460-003		293460-004		293460-005						
	Field Id:	TP1@12'		TP2@12'		TP3@12'		TP4@12'		TP5@12'						
	Depth:	12' ft		12' ft		12' ft		12' ft		12' ft						
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL						
	Sampled:	Nov-19-07 13:00		Nov-19-07 13:30		Nov-19-07 14:00		Nov-19-07 14:30		Nov-19-07 15:00						
Percent Moisture	*Extracted:*															
	Analyzed:	Nov-21-07 16:00		Nov-21-07 16:00		Nov-21-07 16:00		Nov-21-07 16:00		Nov-21-07 16:00						
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL					
Percent Moisture		9.27	1.00	7.66	1.00	15.4	1.00	9.91	1.00	9.57	1.00					
TPH by SW8015 Mod	*Extracted:*	Nov-28-07 11:00		Nov-28-07 11:00		Nov-28-07 11:00		Nov-28-07 11:00		Nov-28-07 11:00						
	Analyzed:	Nov-29-07 12:21		Nov-29-07 12:47		Nov-29-07 13:13		Nov-29-07 13:39		Nov-29-07 14:05						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL					
C6-C12 Gasoline Range Hydrocarbons		ND	16.5	ND	16.2	ND	17.7	ND	16.7	ND	16.6					
C12-C28 Diesel Range Hydrocarbons		ND	16.5	ND	16.2	ND	17.7	ND	16.7	ND	16.6					
C28-C35 Oil Range Hydrocarbons		ND	16.5	ND	16.2	ND	17.7	ND	16.7	ND	16.6					
Total TPH		ND		ND		ND		ND		ND						
Total Chloride by EPA 325.3	*Extracted:*															
	Analyzed:	Nov-26-07 00:00		Nov-26-07 00:00		Nov-26-07 00:00		Nov-26-07 00:00		Nov-26-07 00:00						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL					
Chloride		93.8	5.51	138	5.41	75.4	5.91	354	5.55	141	5.53					

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 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.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: EOG Resources

Work Order #: 293460 **Project ID:**

Lab Batch #: 709489 **Sample:** 293419-003 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	43.2	50.0	86	70-135	

Lab Batch #: 709489 **Sample:** 293419-003 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	45.9	50.0	92	70-135	

Lab Batch #: 709489 **Sample:** 293460-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.7	100	87	70-135	
o-Terphenyl	39.8	50.0	80	70-135	

Lab Batch #: 709489 **Sample:** 293460-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.1	100	91	70-135	
o-Terphenyl	42.0	50.0	84	70-135	

Lab Batch #: 709489 **Sample:** 293460-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.7	100	94	70-135	
o-Terphenyl	44.0	50.0	88	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.

Form 2 - Surrogate Recoveries

Project Name: EOG Resources

Work Order #: 293460 **Project ID:**

Lab Batch #: 709489 **Sample:** 293460-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.5	100	96	70-135	
o-Terphenyl	43.9	50.0	88	70-135	

Lab Batch #: 709489 **Sample:** 293460-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.9	100	90	70-135	
o-Terphenyl	42.4	50.0	85	70-135	

Lab Batch #: 709489 **Sample:** 502009-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	42.6	50.0	85	70-135	

Lab Batch #: 709489 **Sample:** 502009-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.5	100	97	70-135	
o-Terphenyl	44.3	50.0	89	70-135	

Lab Batch #: 709489 **Sample:** 502009-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	42.4	50.0	85	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.

XENCO Laboratories

Blank Spike Recovery

Project Name: EOG Resources

Work Order #: 293460 **Project ID:**

Lab Batch #: 709254 **Sample:** 709254-1-BKS **Matrix:** Solid

Date Analyzed: 11/26/2007 **Date Prepared:** 11/26/2007 **Analyst:** IRO

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Total Chloride by EPA 325.3 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	100	91.5	92	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: EOG Resources

Work Order #: 293460
Analyst: ASA
Lab Batch ID: 709489
Sample: 502009-1-BKS
Units: mg/kg

Date Prepared: 11/28/2007
Batch #: 1

Project ID:
Date Analyzed: 11/28/2007
Matrix: Solid

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
C6-C12 Gasoline Range Hydrocarbons	ND	1000	854	85	1000	832	83	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	785	79	1000	757	76	4	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: EOG Resources

Work Order # : 293460 **Project ID:**

Lab Batch ID: 709489 **QC- Sample ID:** 293419-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 11/29/2007 **Date Prepared:** 11/28/2007 **Analyst:** ASA

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	1270	1070	84	1270	1110	87	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1270	965	76	1270	1000	79	4	70-135	35	

Lab Batch ID: 709254 **QC- Sample ID:** 293460-003 S **Batch #:** 1 **Matrix:** Sludge

Date Analyzed: 11/26/2007 **Date Prepared:** 11/26/2007 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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
Chloride	75.4	1180	1260	100	1180	1260	100	0	75-125	30	

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

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

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

Sample Duplicate Recovery

Project Name: EOG Resources

Work Order #: 293460

Lab Batch #: 709136 **Project ID:**

Date Analyzed: 11/21/2007 **Date Prepared:** 11/21/2007 **Analyst:** RBA

QC- Sample ID: 293413-021 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	21.0	21.7	3	20	

Lab Batch #: 709137

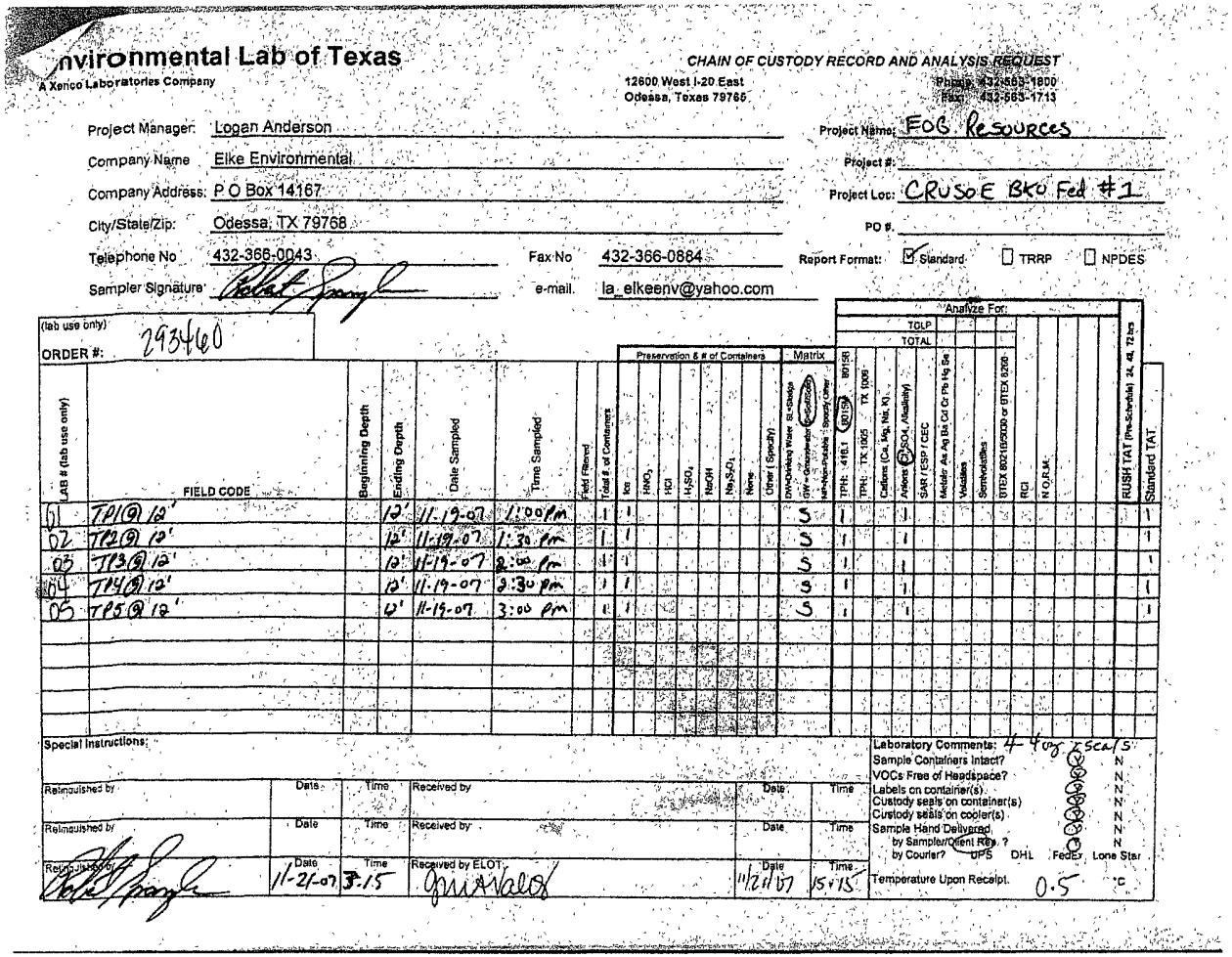
Date Analyzed: 11/21/2007 **Date Prepared:** 11/21/2007 **Analyst:** RBA

QC- Sample ID: 293460-002 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	7.66	8.20	7	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.



Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Logan Anderson
Company Name: Elke Environmental
Company Address: P O Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 432-366-0043
Fax No: 432-366-0884
Sampler Signature:
e-mail: la_elkeenv@yahoo.com

Project Name: FOG Resources
Project #:
Project Loc: CRUSOE BKO Fed #1
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 293460

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water, SL=Sludge, GW=Groundwater, S=Soil/Solid, NP=Non-Potable, SW=Surface Water, O=Other	Analyze For: TPH: 418.1 (8015M)	TPH: TX 1005	TX 1006	TCLP TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	TP1@12'		12'	11-19-07	1:00 pm		1	1								S	1			1										1
02	TP2@12'		12'	11-19-07	1:30 pm		1	1								S	1			1										1
03	TP3@12'		12'	11-19-07	2:00 pm		1	1								S	1			1										1
04	TP4@12'		12'	11-19-07	2:30 pm		1	1								S	1			1										1
05	TP5@12'		12'	11-19-07	3:00 pm		1	1								S	1			1										1

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date 11-21-07	Time 3:15	Received by ELOT	Date 11/21/07	Time 15:15

Laboratory Comments: 4 4oz 1 5ca 1 S

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL Fedex Lone Star		

Temperature Upon Receipt: 0.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Environ.

Date/ Time: 11/21/07 15:15

Lab ID #: 293460

Initials: QMS

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	Yes	No	0.5 °C	
#2 Shipping container in good condition?	Yes	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	Yes	No		
#6 Sample instructions complete of Chain of Custody?	Yes	No		
#7 Chain of Custody signed when relinquished/ received?	Yes	No		
#8 Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	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 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

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

Form C-144
June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure

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

Operator: EOG Resources, Inc. Telephone: 432-6863600 e-mail address: Bgrigry@msn.com
Address: P O Box 2267 Midland, TX 79702
Facility or well name: Crusoe BKO Fed Com #1H API #: 30-015-34729 U/L or Qtr/Qtr A Sec 24 T 16S R 24E
County: Eddy Latitude Longitude NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume 10300 bbl	Volume: ____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) XXX
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) XXX
	Ranking Score (Total Points)	**0 Points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ 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 stiffened with dry soil then placed in the burial Pit. The burial pit will be capped with a 20 mil liner then the burial pit and drilling pit will be backfilled with clean native soil and contoured to the surrounding area.
A final report will be given at the end of the job.

NMOCD Artesia will be notified 48 hrs before work starts. TRENCH BURIAL

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: 11-9-07
Printed Name/Title Logan Anderson - Agent 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.

Signed By Mike Bratcher NOV 26 2007
Signature Date:

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.

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