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: Robinson HW Fed Com #3H API #: 30-015-35812 U/L or Qtr/Qtr I 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. 5 bottom samples were analyzed and did not meet NMOCD standards. A vertical delineation was performed and a risk based closure was approved from the Artesia a 20 NMOCD office. The contamination was excavated to impenetrable rock and placed in the burial pit. A layer of soil was placed in the bottom of the burial pit, then capped with mil impervious liner. The burial pit was 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.

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: 1/8/08
Printed Name/Title Field Supt. 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: JAN 14 2008

Closure Report

Prepared for
EOG Resources

Robinson HW Fed Com #3H
API # 30-015-35812
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 26, 2007

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

Re: Drilling Pit Closure of EOG Resources – Robinson HW Fed Com #3H
UL 'I' Sec. 24 T16S R24E Eddy County, NM
API # 30-015-35812

Mr. Mike Bratcher,

Elke Environmental was contracted by EOG Resources to complete the closure of the Robinson HW Fed Com #3H drilling pit. As per the C-144 filed and signed by Gerry Guye on 12-3-07 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 did not meet NMOCD standards. As per the conversation between Logan Anderson (Elke Environmental) and Mike Bratcher with NMOCD on 12-10-07 those points were excavated to impenetrable rock and placed in the burial pit. The burial pits were capped with a 20 mil impervious liner. The drilling pit and burial pits 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.

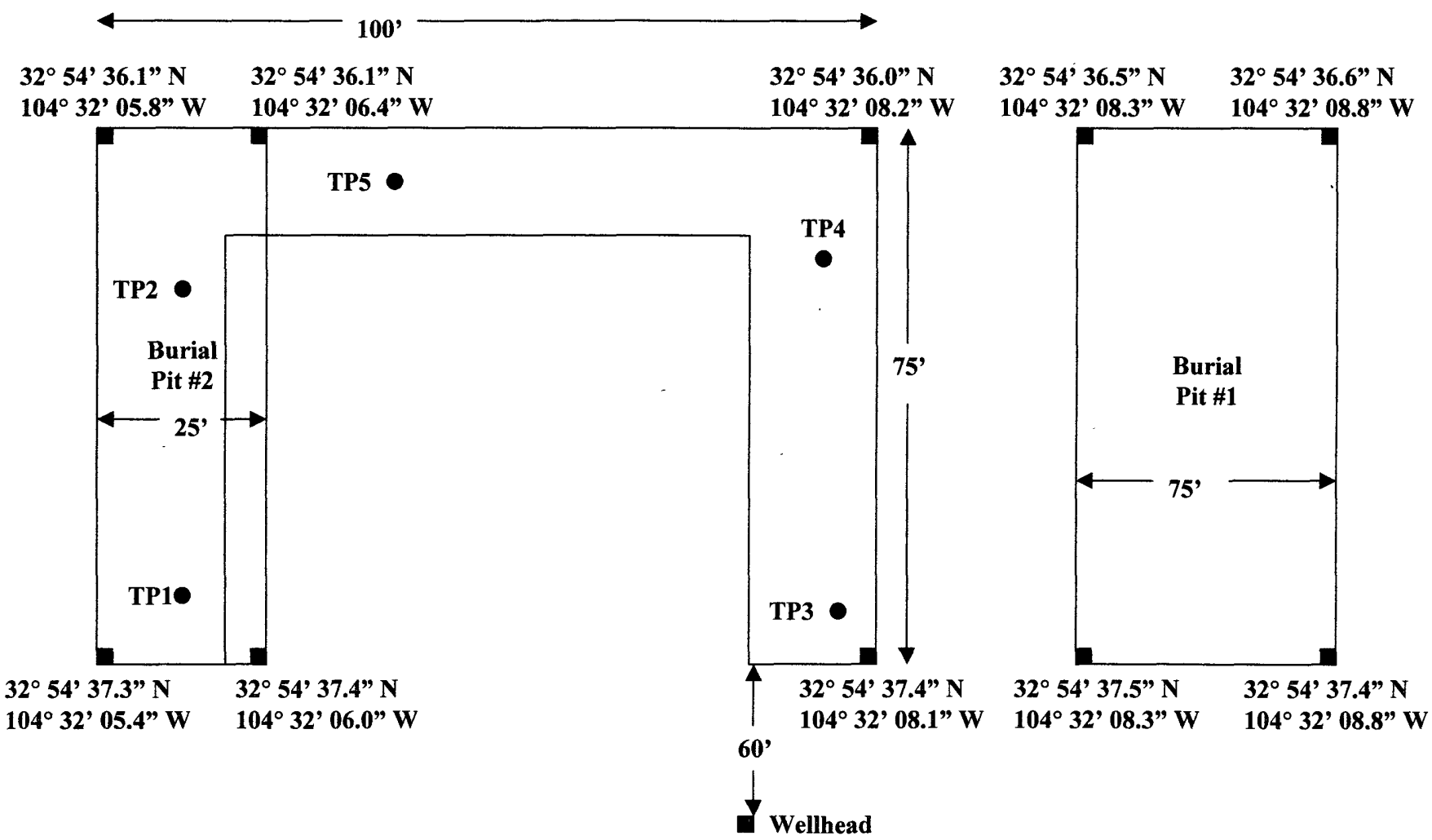
Sincerely,

Logan Anderson

EOG Resources

Robinson HW Fed Com #3H

Plat Map



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

Field Analytical Report Form

Client EOG Resources **Analyst** Jason Jessup

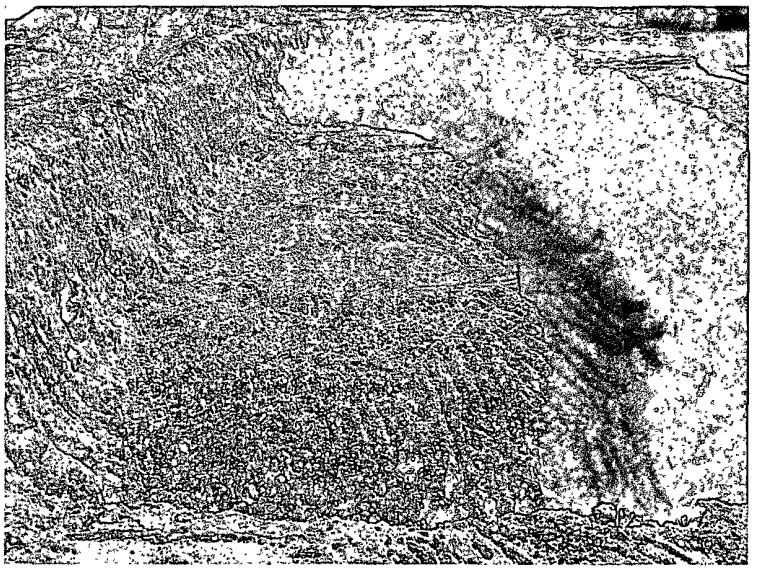
Site Robinson HW Fed Com #3H

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	12-5-07	12'		2,389		32° 54' 37.0" N 104° 32' 05.4" W
TP1	12-5-07	13'		2,029		32° 54' 37.0" N 104° 32' 05.4" W
TP1	12-5-07	14'		1,880	4.5	32° 54' 37.0" N 104° 32' 05.4" W
TP2	12-5-07	11'		2,550		32° 54' 36.4" N 104° 32' 05.4" W
TP2	12-5-07	12'		1,012		32° 54' 36.4" N 104° 32' 05.4" W
TP2	12-5-07	13'		1,811		32° 54' 36.4" N 104° 32' 05.4" W
TP2	12-5-07	14'		828		32° 54' 36.4" N 104° 32' 05.4" W
TP2	12-5-07	15'		1,345		32° 54' 36.4" N 104° 32' 05.4" W
TP2	12-5-07	16'		238	9.9	32° 54' 36.4" N 104° 32' 05.4" W
TP3	12-6-07	12'		3,190		32° 54' 37.1" N 104° 32' 07.6" W
TP3	12-6-07	16'		2,264	15.9	32° 54' 37.1" N 104° 32' 07.6" W
TP4	12-6-07	12'		6,629		32° 54' 36.3" N 104° 32' 08.0" W
TP4	12-6-07	16'		2,261	5.9	32° 54' 36.3" N 104° 32' 08.0" W
TP5	12-6-07	12'		6,195		32° 54' 36.2" N 104° 32' 06.9" W
TP5	12-6-07	16'		2,197	3.7	32° 54' 36.2" N 104° 32' 06.9" W

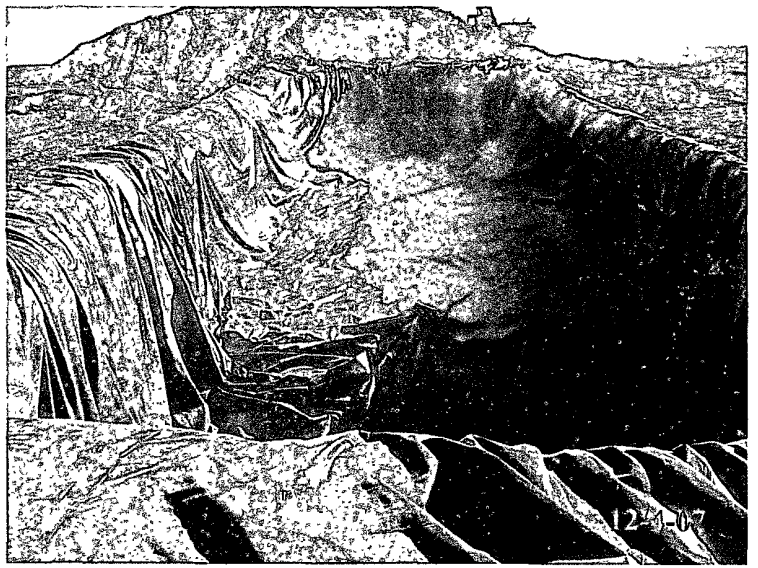
Analyst Notes

EOG Resources – Robinson HW Fed Com #3H

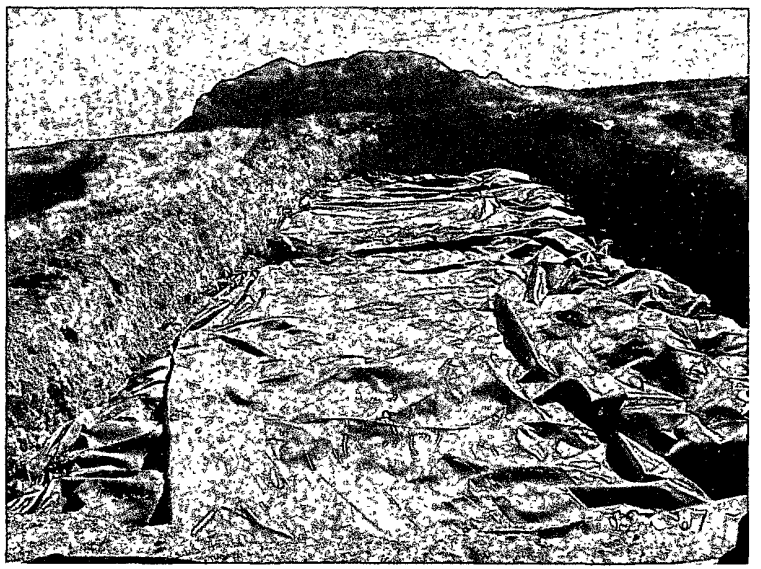
Drilling pit before closure.



After excavation of burial pit.



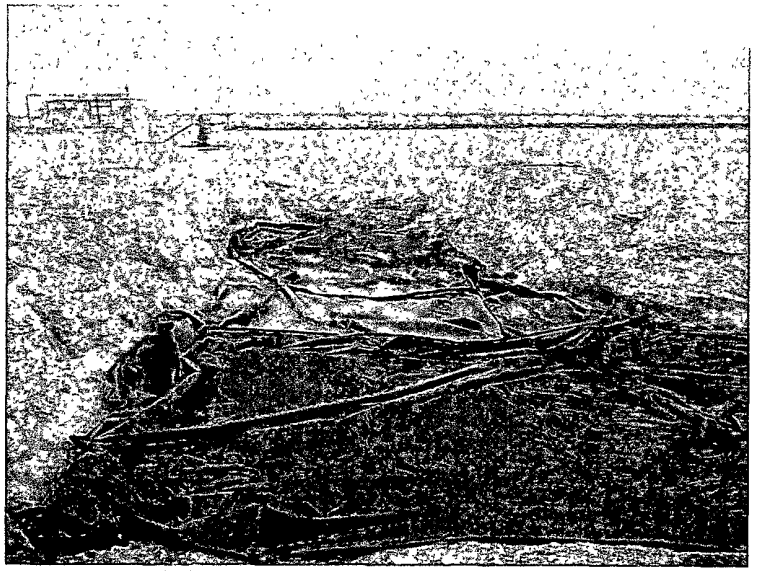
12 mil liner for first burial pit.



20 mil impervious cap over first burial pit.

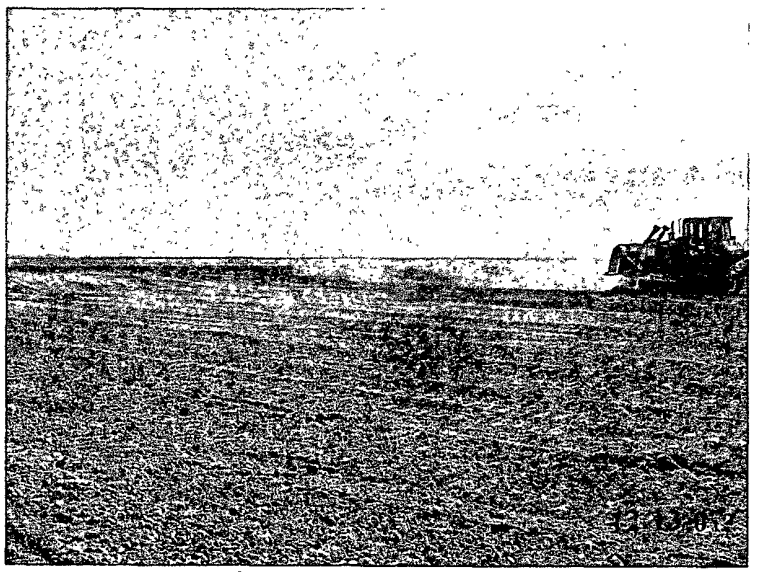
EOG Resources – Robinson HW Fed Com #3H

12 mil liner for second burial pit.



20 mil impervious cap over second burial pit.

20 mil impervious liner over contamination.



Site after backfill and contouring.

Analytical Report 294710

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

EOG Resources

02-JAN-08

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

02-JAN-08

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

Reference: XENCO Report No: **294710**
EOG Resources
Project Address: Robinson HW Fed Com #3H

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 294710. 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. 294710 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 294710

Elke Environmental, Inc., Odessa, TX

EOG Resources

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP #1 @ 16'	S	Dec-05-07 10:46	16' ft	294710-001
TP #2 @ 16'	S	Dec-05-07 11:32	16' ft	294710-002
TP #3 @ 16'	S	Dec-06-07 10:21	16' ft	294710-003
TP #4 @ 16'	S	Dec-06-07 13:32	16' ft	294710-004
TP #5 @ 16'	S	Dec-06-07 14:05	16' ft	294710-005

Certificate of Analysis Summary 294710

Elke Environmental, Inc., Odessa, TX

Project Name: EOG Resources

Project Id:

Contact: Logan Anderson

Project Location: Robinson HW Fed Com #3H

Date Received in Lab: Tue Dec-18-07 10:48 am

Report Date: 02-JAN-08

Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	294710-001		294710-002		294710-003		294710-004		294710-005	
	Field Id:	TP #1 @ 16'		TP #2 @ 16'		TP #3 @ 16'		TP #4 @ 16'		TP #5 @ 16'	
	Depth:	16' ft		16' ft		16' ft		16' ft		16' ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-05-07 10:46		Dec-05-07 11:32		Dec-06-07 10:21		Dec-06-07 13:32		Dec-06-07 14:05	
Percent Moisture	*Extracted:*										
	Analyzed:	Dec-18-07 11:50		Dec-18-07 11:50		Dec-18-07 11:50		Dec-18-07 11:50		Dec-18-07 11:50	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		7.49	1.00	7.27	1.00	8.18	1.00	5.51	1.00	10.8	1.00
TPH by SW8015 Mod	*Extracted:*	Dec-18-07 11:00		Dec-18-07 11:00		Dec-18-07 11:00		Dec-18-07 11:00		Dec-18-07 11:00	
	Analyzed:	Dec-21-07 04:09		Dec-21-07 04:35		Dec-21-07 05:01		Dec-21-07 05:27		Dec-21-07 05:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	16.2	ND	16.2	ND	16.3	ND	15.9	ND	16.8
C12-C28 Diesel Range Hydrocarbons		ND	16.2	ND	16.2	ND	16.3	ND	15.9	ND	16.8
C28-C35 Oil Range Hydrocarbons		ND	16.2	ND	16.2	ND	16.3	ND	15.9	ND	16.8
Total TPH		ND		ND		ND		ND		ND	
Total Chloride by EPA 325.3	*Extracted:*										
	Analyzed:	Dec-20-07 15:25		Dec-20-07 15:25		Dec-20-07 15:25		Dec-20-07 15:25		Dec-20-07 15:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		46.0	5.40	45.9	5.39	1900	5.45	2700	5.29	1860	5.60

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 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 #: 294710 **Project ID:**

Lab Batch #: 710971 **Sample:** 294679-007 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	97.8	100	98	70-135	
o-Terphenyl	44.2	50.0	88	70-135	

Lab Batch #: 710971 **Sample:** 294679-007 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	103	100	103	70-135	
o-Terphenyl	46.6	50.0	93	70-135	

Lab Batch #: 710971 **Sample:** 294710-001 / 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	87.0	100	87	70-135	
o-Terphenyl	47.1	50.0	94	70-135	

Lab Batch #: 710971 **Sample:** 294710-002 / 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	88.5	100	89	70-135	
o-Terphenyl	46.1	50.0	92	70-135	

Lab Batch #: 710971 **Sample:** 294710-003 / 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	85.0	100	85	70-135	
o-Terphenyl	44.3	50.0	89	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 #: 294710 **Project ID:**

Lab Batch #: 710971 **Sample:** 294710-004 / 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	90.2	100	90	70-135	
o-Terphenyl	46.9	50.0	94	70-135	

Lab Batch #: 710971 **Sample:** 294710-005 / 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	82.1	100	82	70-135	
o-Terphenyl	42.9	50.0	86	70-135	

Lab Batch #: 710971 **Sample:** 502753-1-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	95.0	100	95	70-135	
o-Terphenyl	46.0	50.0	92	70-135	

Lab Batch #: 710971 **Sample:** 502753-1-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	96.8	100	97	70-135	
o-Terphenyl	49.8	50.0	100	70-135	

Lab Batch #: 710971 **Sample:** 502753-1-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	44.5	50.0	89	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 #: 294710 **Project ID:**

Lab Batch #: 710846 **Sample:** 710846-1-BKS **Matrix:** Solid

Date Analyzed: 12/20/2007 **Date Prepared:** 12/20/2007 **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	89.3	89	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 #: 294710 **Project ID:**

Analyst: SHE **Date Prepared:** 12/18/2007 **Date Analyzed:** 12/20/2007

Lab Batch ID: 710971 **Sample:** 502753-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

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	15.5	500	470	94	1000	922	92	65	70-135	35	
C12-C28 Diesel Range Hydrocarbons	28.3	500	450	90	1000	874	87	64	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 # : 294710 **Project ID:**

Lab Batch ID: 710971 **QC- Sample ID:** 294679-007 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/21/2007 **Date Prepared:** 12/18/2007 **Analyst:** SHE

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	1120	992	89	1120	1020	91	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	38.4	1120	968	83	1120	1000	86	4	70-135	35	

Lab Batch ID: 710846 **QC- Sample ID:** 294793-055 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/20/2007 **Date Prepared:** 12/20/2007 **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	128	1000	1170	104	1000	1130	100	4	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 #: 294710

Lab Batch #: 710716 **Project ID:**
Date Analyzed: 12/18/2007 **Date Prepared:** 12/18/2007 **Analyst:** RBA
QC- Sample ID: 294679-007 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	10.5	11.4	8	20	

Lab Batch #: 710737
Date Analyzed: 12/18/2007 **Date Prepared:** 12/18/2007 **Analyst:** RBA
QC- Sample ID: 294710-005 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	10.8	8.78	21	20	F

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: 432-366-0943 Fax No: 432-366-0884
Sampler Signature: [signature]
e-mail: la_elkeenv@yahoo.com

Project Name: EOG Resources
Project #: 0
Project Loc: Winkler Co. NW Fed Com #3H
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 744710

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: MeOH	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8015M	TPH: 418.1	TPH: TX 1005	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
401	TP #1 @ 16'		16'	12-5-07	10:46 Am		1	X								S	X			X										X
402	TP #2 @ 16'		16'	12-5-07	11:32 AM		1	X								S	X			X										X
403	TP#3 @ 16'		16'	12-6-07	10:21 Am		1	X								S	X			X										X
404	TP#4 @ 16'		16'	12-6-07	1:32 PM		1	X								S	X			X										X
405	TP#5 @ 16'		16'	12-6-07	2:05 PM		1	X								S	X			X										X

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	12-18-07	1048			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT: [signature]	Date: 12-18-07	Time: 1048

Laboratory Comments:

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/NA
Sample Hand Delivered by Sampler/Client Rep ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: 10.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Environmental

Date/ Time: 12-18-07 @ 1044

Lab ID #: 29471O

Initials: JMF

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	10.5 °C
#2	Shipping container in good condition?	Yes	No	(N/A)
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present (N/A)
#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)? seal, label	(Yes)	No	* ID written on Cont / Lid
#9	Container label(s) legible and intact? seal is label	(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: Jason Jessup Contacted by: Jeanne Fitch Date/ Time: 12-18-07 @ 1044

Regarding: * sample temperature 10.5 C
also no label - client used seal as seal and label

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: Robinson HW Fed Com #3H API #: 30-015-35812 U/L or Qtr/Qtr I 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.) **GW = 199'**	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.

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: 11-30-07
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.

See Attached Stipulations

Approval:
Printed Name/Title ~~Compliance Officer~~ Gerry Guye Signature Date: DEC 3 2007