District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Regency Field Services, LLC	Contact Rachel Johnson
Address P.O. Box 1226 Jal, NM 88252	Telephone No. 325-514-2636
Facility Name Trunk M	Facility Type Natural Gas Gathering

Surface Owner Crawford	Mineral Owner	API No. 30-025-27276

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
S	6	25S	37E					Lea County

Latitude 32.29109 **Longitude** -103. 20259

NATURE OF RELEASE

Type of Release: Crude Oil, Nat. Gas and Produced Water	Volume of Release: 40bbls	Volume Recovered: 0 bbls
Source of Release 20" Natural Gas Gathering Line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 12:00 pm on 3/27/14
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Email to Geoff Leking on 3/27/14 from Rachel Johnson	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.*
Failure of a segment of twenty inch (20") pipeline resulted in the release of approximately 40 bbls of a mixture of natural gas, crude oil and produced water. Following the discovery of the release, the pipeline was fitted with a temporary pipeline clamp. Crews were able to replace 80 feet of the 20 in pipeline on 3/30/14.

Describe Area Affected and Cleanup Action Taken.*
The release affected approximately 1,500 sq. ft. of rangeland. Panther Energy will remediate in accordance with NMOCD Regulatory Guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Rachel Johnson	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: Rachel Johnson		
Title: EH&S Specialist	Approval Date:	Expiration Date:
E-mail Address: rachel.johnson@regencygas.com	Conditions of Approval:	Attached ☐
Date 4/14/14 Phone: 325-514-2636 (cell)		

* Attach Additional Sheets If Necessary

3-K Oil & Gas Services, L.L.C.
P.O. Box 1332
Jal, NM 88252
(575)395-2654

FIELD MEASUREMENT/OBSERVATION LOG

COMPANY: Regency Field Services LLC
PROJECT NAME: Trunk M3
PROJECT NUMBER:
PROJECT MANAGER: Emmanuel Lujan
FIELD TECHNICIAN:
DATE: 4-7-14

SAMPLE ID	SAMPLE DEPTH (FT)	COLLECTION TIME	PID ANALYSIS TIME	PID READING (PPM)	CHLORIDE ANALYSIS		Titration Tube Reading		mg/Kg	SOIL DESCRIPTION
M3	3'	9:03 AM			2 gms of soil	40 ml H2O	16	x 20 =	320	sand
〃	4'	9:15 AM			2 gms of soil	40 ml H2O	c 12	x 20 =	240	〃
〃	5'	9:23 AM			2 gms of soil	40 ml H2O	12	x 20 =	240	〃
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
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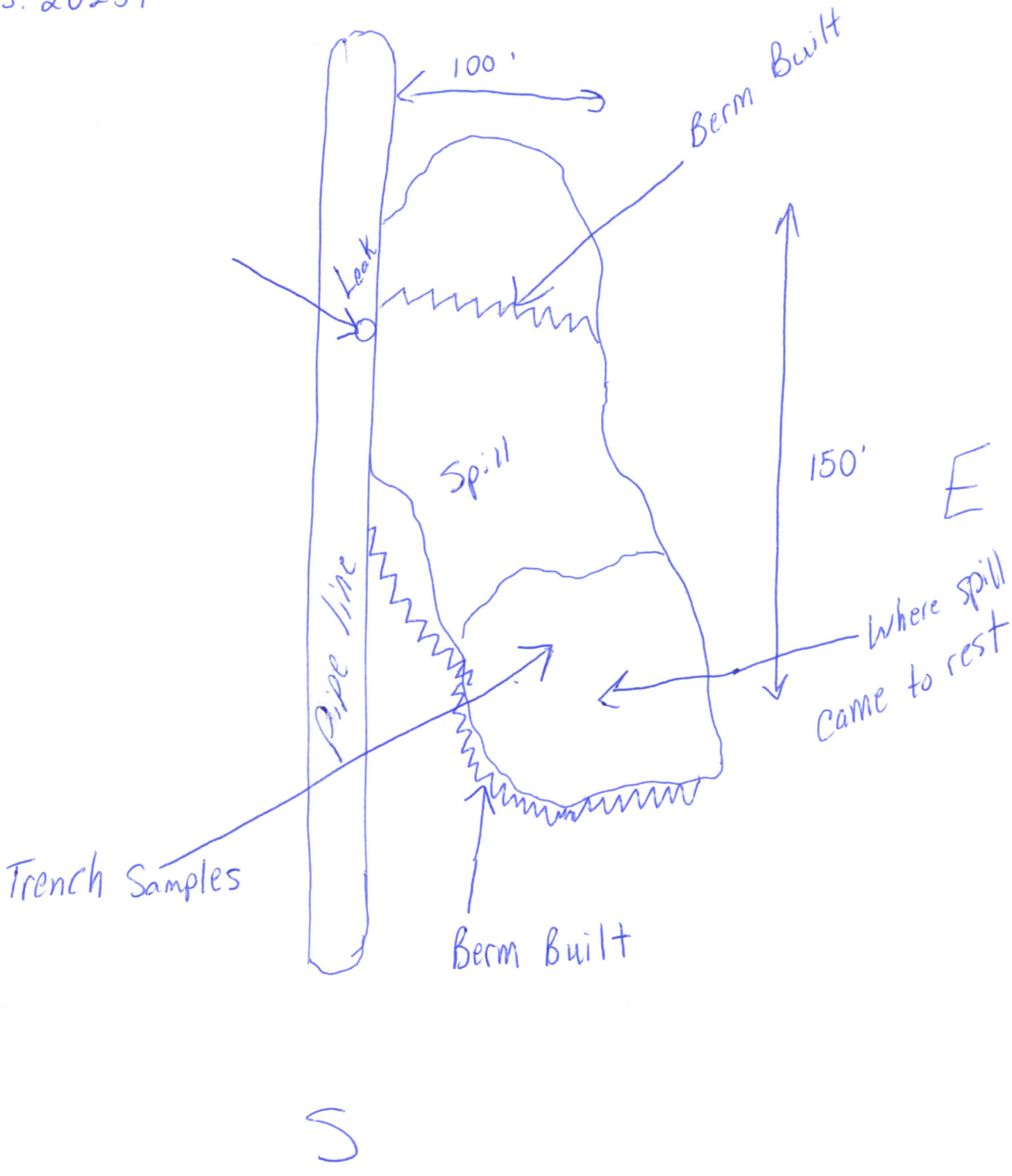
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		

PID CALIBRATION						WEATHER		
Time	Fresh Air	Span Gas	Time	Fresh Air	Span Gas	Time	Temp.	Misc

Trunk M 3
N 32.29109
W 103.20259



Xenco Laboratories

The Environmental Lab of Texas

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: Emmanuel Lujar

Company Name: Panther Energy Services

Company Address: 101 E. Panther

City/State/Zip: Jal NM 88252

Telephone No: 575-395-2654 Fax No: 575-395-2162

Sampler Signature: E L J

Project Name: Trunk M3

Project #:

Project Loc:

PO #:

Report Format: ☑ Standard ☐ TRRP ☐ NPDES

e-mail: rachel.johnson@resourcegas.com
emmanuel@pantherenergy.net

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	M3 - T5	3'		4-7-14	10:33												1	1						1			1			
	M3 - T5	4'		4-7-14	10:36												1	1						1			1			

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
E L J	4-7-14	1:37	Rachel Resendiz	4-7-14	1:37
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

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
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:	As Read	Corrected
		6.8 °C

Analytical Report 482910

for

Regency Gas

Project Manager: Emmanuel Lujan

Trunk M3

16-APR-14

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

16-APR-14

Project Manager: **Emmanuel Lujan**
Regency Gas
801 South Loop 464
Monahans, TX 79756

Reference: XENCO Report No(s): **482910**
Trunk M3
Project Address: NM

Emmanuel Lujan:

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(s) 482910. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 482910 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,

Kelsey Brooks
Project Manager

Sample Cross Reference 482910

Regency Gas, Monahans, TX

Trunk M3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
M3-TS	S	04-07-14 10:33	- 3 ft	482910-001
M3-TS	S	04-07-14 10:36	- 4 ft	482910-002

CASE NARRATIVE

Client Name: Regency Gas
Project Name: Trunk M3

Project ID:
Work Order Number(s): *482910*

Report Date: *16-APR-14*
Date Received: *04/07/2014*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 482910

Regency Gas, Monahans, TX

Project Name: Trunk M3

Project Id:

Contact: Emmanuel Lujan

Project Location: NM

Date Received in Lab: Mon Apr-07-14 01:37 pm

Report Date: 16-APR-14

Project Manager: Kelsey Brooks

Analysis Requested									
	Lab Id:	482910-001		482910-002					
	Field Id:	M3-TS		M3-TS					
	Depth:	3 ft		4 ft					
	Matrix:	SOIL		SOIL					
	Sampled:	Apr-07-14 10:33		Apr-07-14 10:36					
BTEX by EPA 8021B	*Extracted:*	Apr-09-14 16:00		Apr-09-14 16:00					
	Analyzed:	Apr-09-14 21:14		Apr-09-14 20:58					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.00136	ND	0.00103				
Toluene		ND	0.00273	ND	0.00207				
Ethylbenzene		ND	0.00136	ND	0.00103				
m_p-Xylenes		ND	0.00273	ND	0.00207				
o-Xylene		ND	0.00136	ND	0.00103				
Total Xylenes		ND	0.00136	ND	0.00103				
Total BTEX		ND	0.00136	ND	0.00103				
Inorganic Anions by EPA 300/300.1	*Extracted:*	Apr-09-14 09:30		Apr-09-14 09:30					
	Analyzed:	Apr-10-14 01:10		Apr-10-14 01:33					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		5.11	2.74	3.17	2.08				
Percent Moisture	*Extracted:*								
	Analyzed:	Apr-09-14 17:10		Apr-09-14 17:10					
	Units/RL:	%	RL	%	RL				
Percent Moisture		26.9	1.00	3.67	1.00				
TPH By SW8015 Mod	*Extracted:*	Apr-08-14 15:00		Apr-08-14 15:00					
	Analyzed:	Apr-09-14 22:59		Apr-09-14 23:23					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	20.5	ND	15.6				
C12-C28 Diesel Range Hydrocarbons		ND	20.5	ND	15.6				
C28-C35 Oil Range Hydrocarbons		ND	20.5	ND	15.6				
Total TPH		ND	20.5	ND	15.6				

Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect 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 quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Trunk M3

Work Orders : 482910, 482910 **Project ID:**

Lab Batch #: 938268 **Sample:** 482910-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 20:58

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0257	0.0300	86	80-120	
4-Bromofluorobenzene	0.0290	0.0300	97	80-120	

Lab Batch #: 938268 **Sample:** 482910-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 21:14

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0249	0.0300	83	80-120	
4-Bromofluorobenzene	0.0275	0.0300	92	80-120	

Lab Batch #: 938189 **Sample:** 482910-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 22:59

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.8	111	70-135	
o-Terphenyl	56.7	49.9	114	70-135	

Lab Batch #: 938189 **Sample:** 482910-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 23:23

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	99.9	114	70-135	
o-Terphenyl	58.2	50.0	116	70-135	

Lab Batch #: 938189 **Sample:** 653672-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/09/14 13:38

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	56.3	50.0	113	70-135	

* Surrogate outside of Laboratory QC limits

** 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: Trunk M3

Work Orders : 482910, 482910 **Project ID:**

Lab Batch #: 938268 **Sample:** 653740-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/09/14 19:21

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0243	0.0300	81	80-120	
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

Lab Batch #: 938189 **Sample:** 653672-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/09/14 14:02

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	48.6	50.0	97	70-135	

Lab Batch #: 938268 **Sample:** 653740-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/09/14 19:37

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0266	0.0300	89	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 938189 **Sample:** 653672-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/09/14 14:27

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	47.2	50.0	94	70-135	

Lab Batch #: 938268 **Sample:** 653740-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/09/14 19:53

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0303	0.0300	101	80-120	

* Surrogate outside of Laboratory QC limits

** 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: Trunk M3

Work Orders : 482910, 482910 **Project ID:**

Lab Batch #: 938189 **Sample:** 482903-021 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 15:20

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	99.8	127	70-135	
o-Terphenyl	55.3	49.9	111	70-135	

Lab Batch #: 938268 **Sample:** 482910-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 20:09

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0318	0.0300	106	80-120	

Lab Batch #: 938189 **Sample:** 482903-021 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 15:44

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	99.9	118	70-135	
o-Terphenyl	49.5	50.0	99	70-135	

Lab Batch #: 938268 **Sample:** 482910-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/09/14 20:25

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

* Surrogate outside of Laboratory QC limits
** 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.

BS / BSD Recoveries

Project Name: Trunk M3

Work Order #: 482910, 482910 **Project ID:**

Analyst: ARM **Date Prepared:** 04/09/2014 **Date Analyzed:** 04/09/2014

Lab Batch ID: 938268 **Sample:** 653740-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
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**
Benzene	<0.00100	0.100	0.0964	96	0.100	0.0976	98	1	70-130	35	
Toluene	<0.00200	0.100	0.0968	97	0.100	0.0978	98	1	70-130	35	
Ethylbenzene	<0.00100	0.100	0.104	104	0.100	0.104	104	0	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.216	108	0.200	0.217	109	0	70-135	35	
o-Xylene	<0.00100	0.100	0.108	108	0.100	0.108	108	0	71-133	35	

Analyst: AMB **Date Prepared:** 04/09/2014 **Date Analyzed:** 04/09/2014

Lab Batch ID: 938225 **Sample:** 653688-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

Inorganic Anions by EPA 300/300.1	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
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**
Chloride	<2.00	50.0	45.2	90	50.0	45.5	91	1	80-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+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

BS / BSD Recoveries

Project Name: Trunk M3

Work Order #: 482910, 482910

Project ID:

Analyst: ARM

Date Prepared: 04/08/2014

Date Analyzed: 04/09/2014

Lab Batch ID: 938189

Sample: 653672-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

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
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	1010	101	1000	975	98	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1010	101	1000	1020	102	1	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+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 Recoveries

Project Name: Trunk M3

Work Order #: 482910

Lab Batch #: 938225

Date Analyzed: 04/09/2014

QC- Sample ID: 482920-001 S

Reporting Units: mg/kg

Date Prepared: 04/09/2014

Batch #: 1

Project ID:

Analyst: AMB

Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	11800	10500	20900	87	80-120	

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Trunk M3

Work Order # : 482910
Lab Batch ID: 938268
Date Analyzed: 04/09/2014
Reporting Units: mg/kg

Project ID:
QC- Sample ID: 482910-002 S **Batch #:** 1 **Matrix:** Soil
Date Prepared: 04/09/2014 **Analyst:** ARM

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	<0.00104	0.104	0.0994	96	0.103	0.0985	96	1	70-130	35	
Toluene	<0.00207	0.104	0.0993	95	0.103	0.0990	96	0	70-130	35	
Ethylbenzene	<0.00104	0.104	0.106	102	0.103	0.105	102	1	71-129	35	
m_p-Xylenes	<0.00207	0.207	0.220	106	0.207	0.219	106	0	70-135	35	
o-Xylene	<0.00104	0.104	0.110	106	0.103	0.109	106	1	71-133	35	

Lab Batch ID: 938189
Date Analyzed: 04/09/2014
Reporting Units: mg/kg

QC- Sample ID: 482903-021 S **Batch #:** 1 **Matrix:** Soil
Date Prepared: 04/08/2014 **Analyst:** ARM

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	<16.2	1080	1180	109	1080	1070	99	10	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<16.2	1080	1320	122	1080	1160	107	13	70-135	35	

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

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 Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Trunk M3

Work Order #: 482910

Lab Batch #: 938195
Date Analyzed: 04/09/2014 17:10 **Date Prepared:** 04/09/2014 **Project ID:**
QC- Sample ID: 482829-021 D **Batch #:** 1 **Analyst:** WRU
Reporting Units: % **Matrix:** Soil

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	28.0	28.3	1	20	

Lab Batch #: 938195
Date Analyzed: 04/09/2014 17:10 **Date Prepared:** 04/09/2014 **Analyst:** WRU
QC- Sample ID: 482921-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: % SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	<1.00	1.12	NC	20	

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

Final 1.000

Xenco Laboratories
The Environmental Lab of Texas

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Emmanuel Lujan
Company Name: Panther Energy Services
Company Address: 101 E. Panther
City/State/Zip: Jal NM 88252
Telephone No: 575-395-2654
Fax No: 575-[illegible]
Sampler Signature: [signature]
e-mail: rachel.[illegible]@[illegible] ; emmanuel@pantherenergy.net

Project Name: Trunk M3
Project #:
Project Loc:
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 482910

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers	Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	BTEX 8021B/5030 or BTEX 8260	[illegible]
	M3 - TS	3'		4-7-14	10:33					/	/	/	/
	M3 - TS	4'		4-7-14	10:36					/	/	/	/

Preservation & # of Containers: Ice, HNO_3, HCl, H_2SO_4, NaOH, $Na_2S_2O_3$, None, Other (Specify)

Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other

Analyze For (TCLP / TOTAL): TPH: 418.1 8015M 8015B; TPH: TX 1005 TX 1006; 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.; [illegible]

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs
Standard TAT

Special Instructions:

	Date	Time		Date	Time
Relinquished by: [signature]	4-7-14	1:37	Received by: Perla Resendiz	4-7-14	1:37
Relinquished by:			Received by: [signature]	4-8-14	1534
Relinquished by:			Received by ELOT:		

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
Sample Hand Delivered Y N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 6.3 °C (As Read / Corrected)

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Regency Gas

Date/ Time Received: 04/07/2014 01:37:00 PM

Work Order #: 482910

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	7.8
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	N/A
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	No
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Ruriko Konuma Date: 04/08/2014

Checklist reviewed by: Kelsey Brooks Date: 04/08/2014