Holly Energy Partners
Beeson Station Pump Unit #1 Release
Closure Report

Section 03, T18S, R30E
Eddy County, New Mexico

April 23, 2014

Prepared for:

Holly Energy Partners
P.O. Box 1260
Artesia, New Mexico 88211

By:

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, New Mexico 88240
(575) 397-0510

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I. Company Contacts

Representative	Company	Telephone	E-mail
Allison Stockweather	Holly Energy Partners	575-746-5475	Allison.Stockweather@hollyenergy.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Holly Energy Partners to perform site assessment of a release area at the Beeson Pump Station Pump Unit #1 Release located in Section 03 of Township 18 South, Range 30 East, and Eddy County, New Mexico.

According to the C-141 dated October 21, 2013, the cause of the release was due to a pump seal failure in the #1 Unit. Pumping sources were immediately shut-down. Failure resulted in a vertical spray of crude oil mist.

III. Surface and Ground Water

No surface water is present or nearby. The nearest surface water is the Pecos River approximately 22 miles to the west.

The nearest groundwater of record is approximately 3 miles northwest of the site. The New Mexico Office of State Engineer lists the well in Section 20, Township 17 South, Range 30 East. The reported depth to water was 80 feet below ground surface (BGS) but the actual depth of the well was only 85 feet. The well use is listed as "exploration" with lithology identified as sandstone, gravel and conglomerate. With only 5 feet of saturated thickness and rock material (consolidated sandstone and conglomerate) having minimal permeability, its usefulness to serve as a water supply well is severely limited.

Otherwise, the Chevron Depth to Groundwater map used by the NMOCD shows the water level contours to be in excess of 100 feet to groundwater (See Figure 2).. No active wells were found to be listed in the NM OSE database for the 36 one-square mile sections in Township 18 South, Range 30 East*. Of the 36 sections in Township 18 South, Range 31 East, one well located in the SW/4 of Section 15 (seven miles southeast of the site) was found to have been drilled to 160 feet in June 2000 with reported depth to water of 98 feet. A record of one well was found in Section 27, Township 18 South, Range 29 East with a depth of 320 feet but no water reported. Records were found for three water drill holes in Section 31, Township 17 South, Range 31 East. The depths ranged from 55 to 158 feet but no water was reported in any of the three.

Notwithstanding the 85 foot deep well described above, groundwater is not otherwise known to be present in shallow unconsolidated subsurface material and may be present in consolidated rock only at depths in excess of 100 feet.

IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the

ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH).

Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	20 points	
	50 feet to 99 feet	10 points	
	>100 feet	0 points	X
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	X
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	20 points	
	200 feet to 1000 feet	10 points	
	>1000 feet	0 points	X
RANKING SCORE (TOTAL POINTS)			**0**

V. Work Performed

October 24, 2013, SESI met with Randy Pair from the BLM (Carlsbad Field Office). The release area was marked with white flags for a one-call. SESI Representative used a Trimble June 3D to map release area.

On November 1, 2013, SESI along with T.M.I Services were on location to install one test trench and two surface sample points to determine vertical extent of contamination. The test trench was 38ft. east of the fence line in front of the DRA-Fill Line Unit. Samples obtained were properly preserved and transported under chain of custody to Cardinal Laboratories in Hobbs, New Mexico. The results of the analysis are as follows:

Sample Date 11/01/2013	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl - Benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH 8015M (mg/kg)	
							GRO C_6-C_{10}	DRO >C_{10}-C_{28}
Lab ID								
H302678-01	T-T #1 7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<19.6
H302678-02	SP – 1 Surface	0.983	13.0	16.6	31.8	62.4	880	18300
H302678-03	SP – 2 Surface	<0.500	5.88	9.63	18.0	33.5	657	20700

SESI used TPH field testing of samples taken at 1', 2', 3', 4', 5', and 6' from the Test Trench outside the fenced area to ascertain that approximately 2' is the depth where the TPH concentration is 5,000 ppm.

On December 12, 2013, Bob Allen from SESI installed three auger holes to a depth of 1' in the area inside the fence to determine extent of contamination. Samples obtained were properly preserved and transported under chain of custody to Hall Environmental

Analysis Laboratories in Albuquerque, New Mexico. The results of the analysis are as follows:

Sample Date 12/12/13	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl - Benzene (mg/kg)	Total Xylenes (mg/kg)	DRO (>C10-C28) (mg/kg)	MRO (C18-C44) (mg/kg)	GRO (C6-C10) (mg/kg)
Lab ID								
1312632-001	AH#1 1'	ND	ND	ND	ND	130	1100	ND
1312632-002	AH#2 1'	ND	ND	ND	ND	ND	900	ND
1312632-003	AH#3 1'	ND	ND	ND	ND	53	370	ND

On February 5, 2014, auger holes 6 through 9 were installed inside the fence area and auger holes 10 through 15 were installed outside the fence area where the release had ran into the pasture. Samples obtained were properly preserved and transported under chain of custody to Cardinal Laboratories in Hobbs, New Mexico. The results of the analysis are as follows:

Sample Date 2/5/14	Sample ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	MRO (>C_{23}-C_{40}) (mg/kg)
Lab ID				
1402263-001	AH-6 6in BGS	ND	34	120
1402263-002	AH-7 6in BGS	ND	33	78
1402263-003	AH-8 6in BGS	ND	310	620
1402263-004	AH-9 6 in BGS	ND	690	740
1402263-005	AH-10 1ft BGS	ND	260	1200
1402263-006	AH-11 1ft BGS	ND	63	380
1402263-007	AH-12 1ft BGS	ND	130	670
1402263-008	AH-13 1ft BGS	ND	140	810
1402263-009	AH-14 1ft BGS	ND	160	1100
1402263-010	AH-15 1ft BGS	ND	140	900

Sample Date 2/5/14	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
1402263-001	AH-6 6in BGS	ND	ND	ND	ND
1402263-002	AH-7 6in BGS	ND	0.070	0.13	0.27
1402263-003	AH-8 6in BGS	ND	ND	ND	ND
1402263-004	AH-9 6 in BGS	ND	0.34	1.8	3.9
1402263-005	AH-10 1ft BGS	ND	ND	ND	ND
1402263-006	AH-11 1ft BGS	ND	ND	ND	ND
1402263-007	AH-12 1ft BGS	ND	ND	ND	ND
1402263-008	AH-13 1ft BGS	ND	ND	ND	ND
1402263-009	AH-14 1ft BGS	ND	ND	ND	ND
1402263-010	AH-15 1ft BGS	ND	ND	ND	ND

VI. Action Plan

The area inside the fence at the Beeson Station has been excavated to the depth where the TPH concentration is well below 5,000 ppm. On April 16, 2014, the area was backfilled with a suitable material and returned to the grade of the facility. The spill area outside the fence has been excavated to the depth where the TPH concentration less than 5,000 ppm. The excavation has been backfilled with native soils from the

surrounding area. (See Photos #6, 7, 8, 9, 10.) All excavated soils will be transported to a New Mexico Oil Conservation Division (NMOCD) approved facility for disposal.

VII. Figures & Appendices

Figure 1 – Vicinity Map
Figure 2 – Depth to Groundwater
Figure 3 – Site Map
Appendix A – Analytical Results
Appendix B – C-141
Appendix C – Site Photographs

Figure 1
Vicinity Map

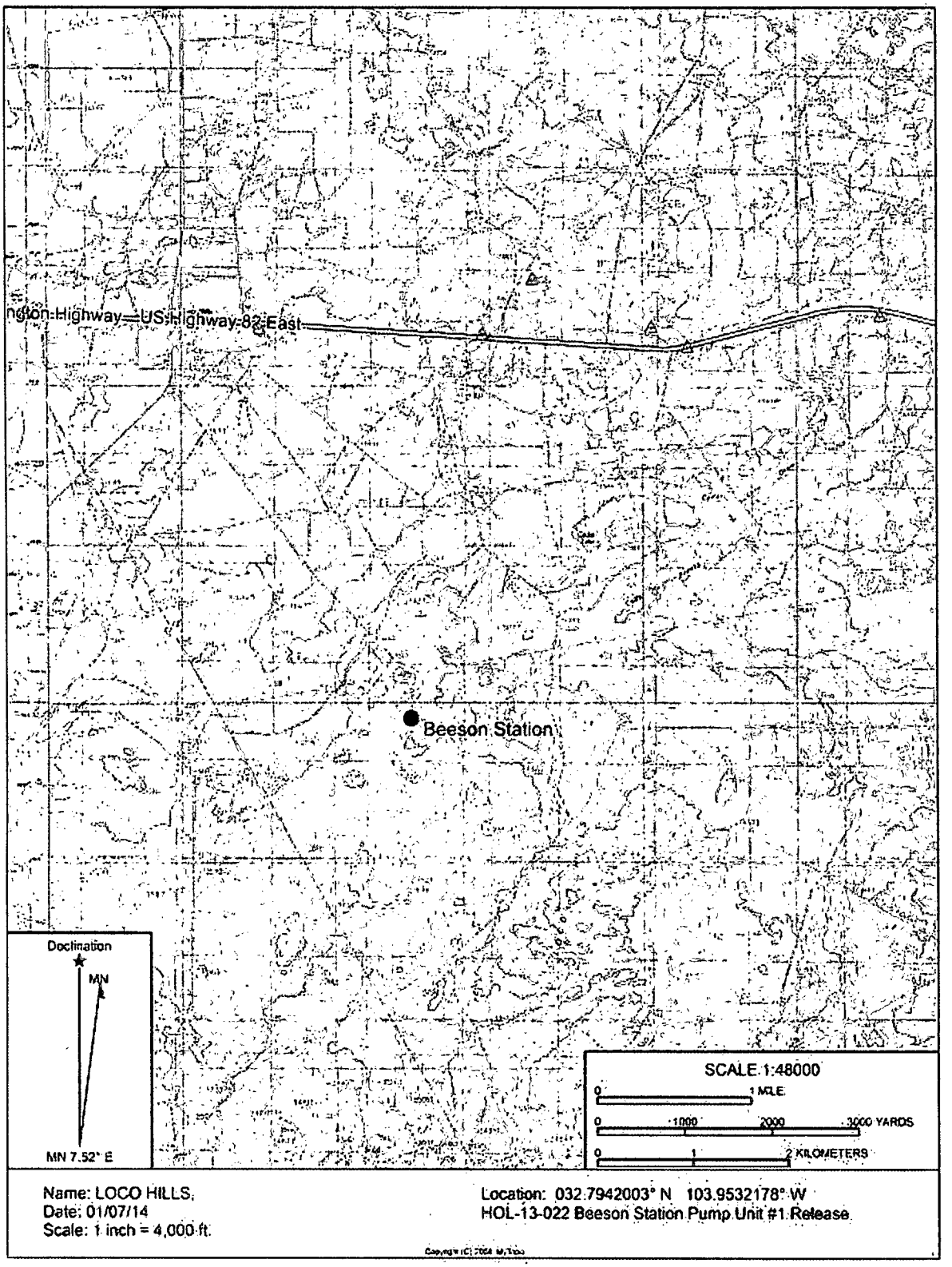
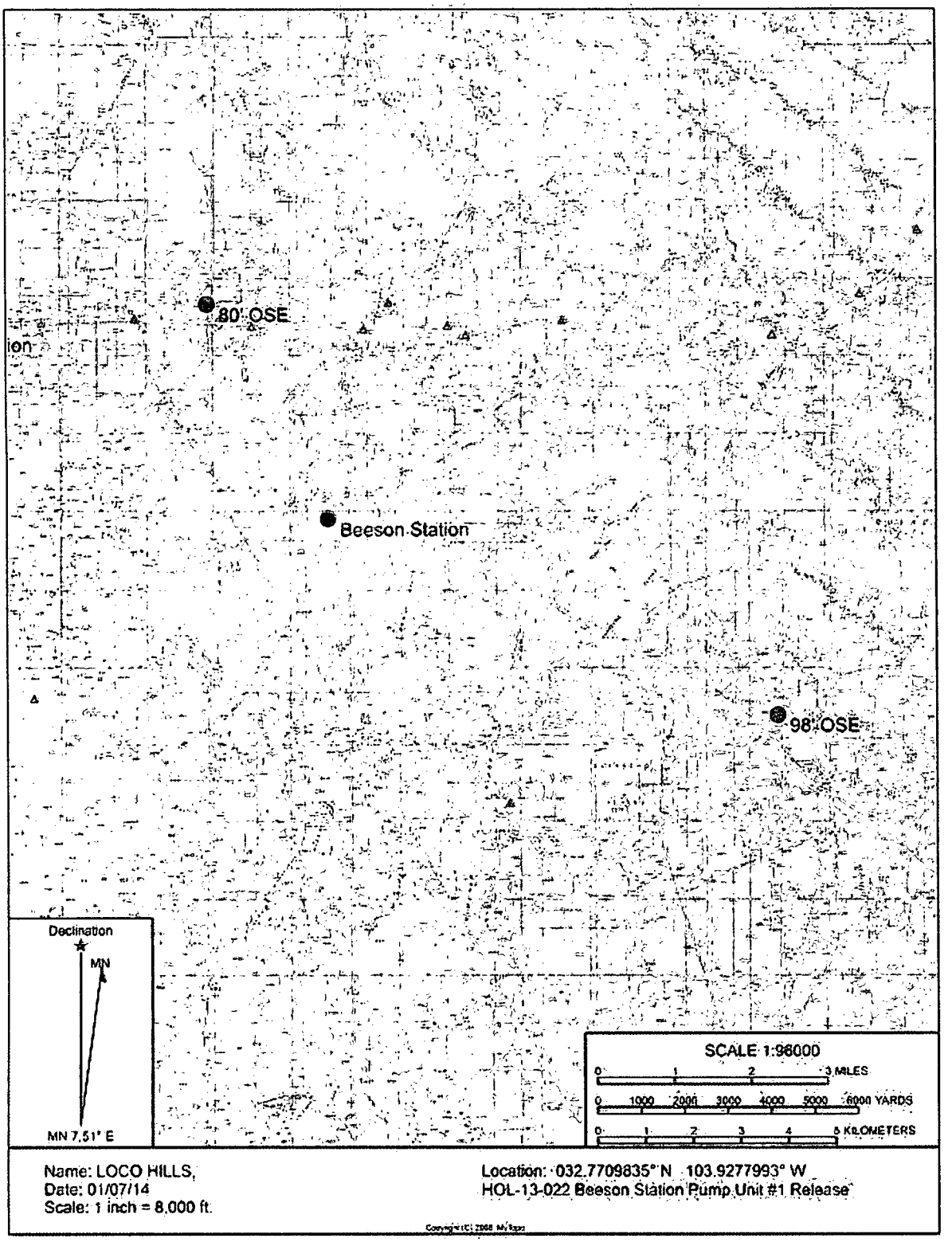
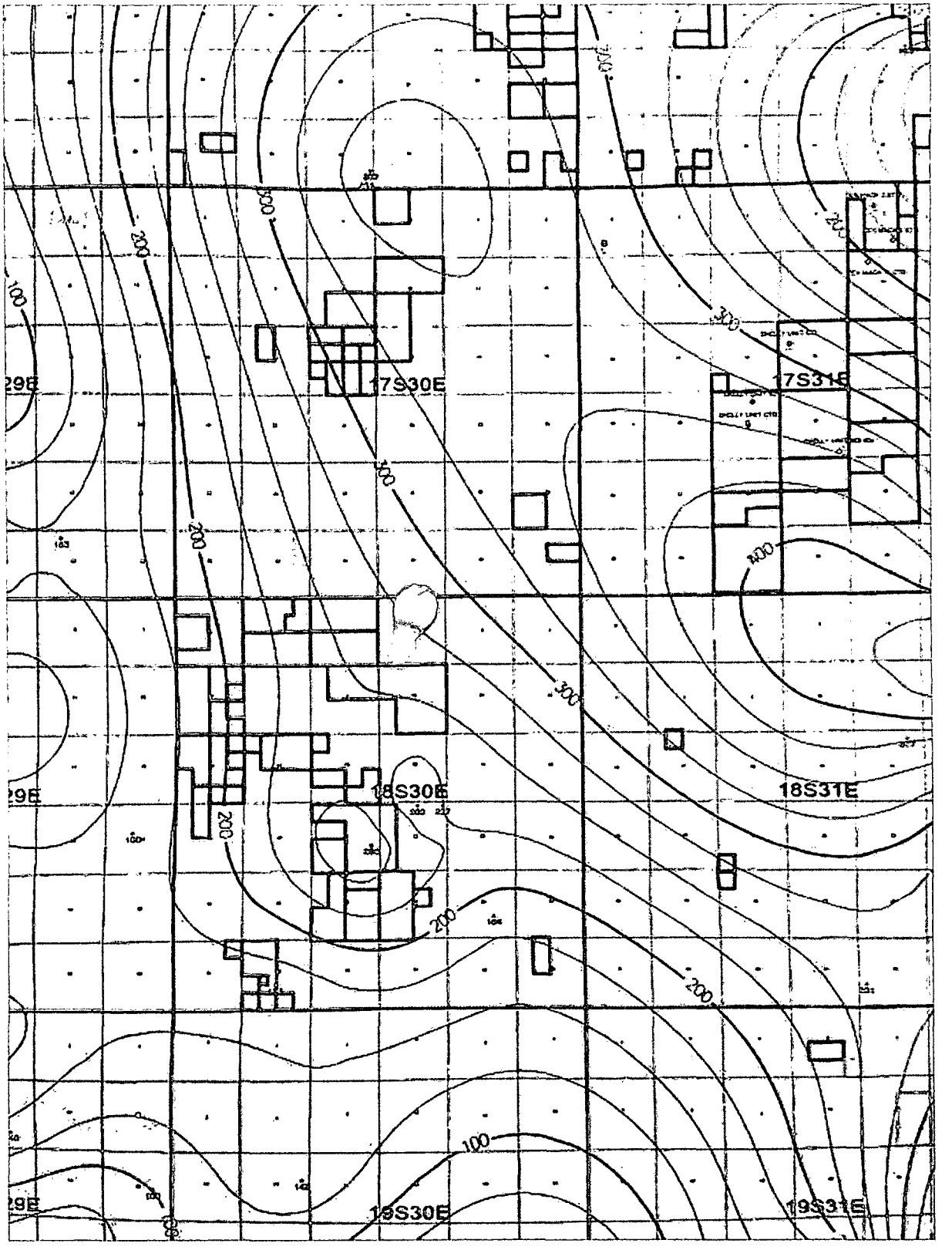

ngton Highway—US Highway 82 East
Beeson Station
Declination
MN
MN 7.52° E
SCALE 1:48000
0
1 MILE
0
1000
2000
3000 YARDS
0
1
2 KILOMETERS
Name: LOCO HILLS,
Date: 01/07/14
Scale: 1 inch = 4,000 ft.
Location: 032.7942003° N 103.9532178° W
HOL-13-022 Beeson Station Pump Unit #1 Release

Figure 2
Depth to Groundwater

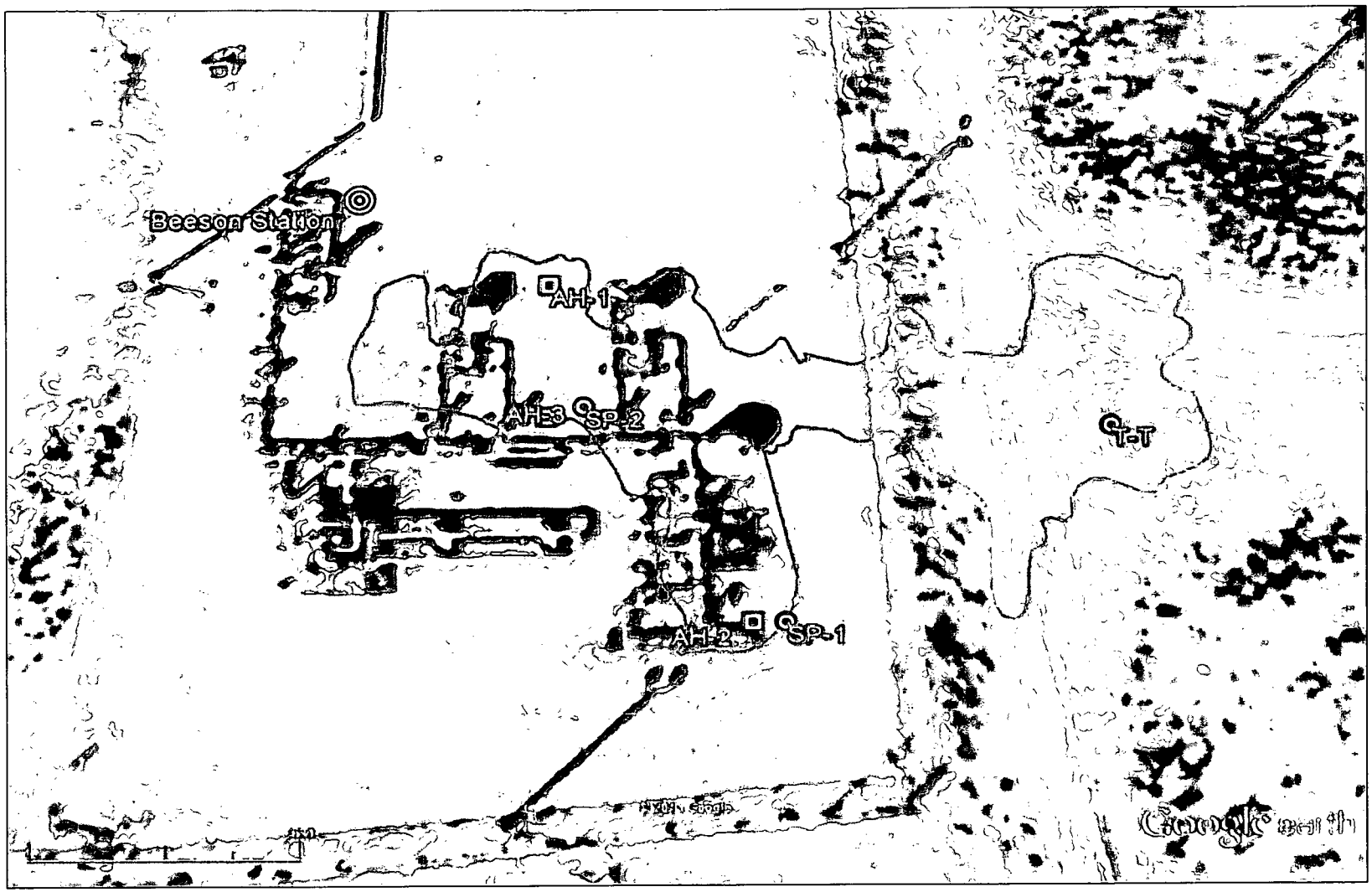


Depth to Groundwater Office of the State Engineer



Beeson Station DTW as shown on Chevron DTW Map

Site Map



Beeson Station Release Area, Sample Points and Auger Holes

Appendix A
Analytical Results

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 06, 2013

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: BEESON STATION PUMP UNIT 1

Enclosed are the results of analyses for samples received by the laboratory on 11/01/13 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/08/2013	Sampling Type:	Soil
Project Name:	BEESON STATION PUMP UNIT 1	Sampling Condition:	Cool & Intact
Project Number:	HOL-13-022	Sample Received By:	Jodi Henson
Project Location:	BEESON STATION		

Sample ID: T. T. #1 7' (H302678-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/07/2013	ND	2.20	110	2.00	6.58	
Toluene*	<0.050	0.050	11/07/2013	ND	2.24	112	2.00	7.60	
Ethylbenzene*	<0.050	0.050	11/07/2013	ND	2.28	114	2.00	7.83	
Total Xylenes*	<0.150	0.150	11/07/2013	ND	6.83	114	6.00	8.29	
Total BTEX	<0.300	0.300	11/07/2013	ND					

Surrogate: [illegible] 105 % 89.4-126

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2013	ND	200	100	200	0.0305	
DRO >C10-C28	**19.6**	10.0	11/05/2013	ND	205	102	200	0.511	

Surrogate: [illegible] 91.2 % [illegible]
Surrogate: [illegible] [illegible] [illegible]

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/08/2013	Sampling Type:	Soil
Project Name:	BEESON STATION PUMP UNIT 1	Sampling Condition:	Cool & Intact
Project Number:	HOL-13-022	Sample Received By:	Jodi Henson
Project Location:	BEESON STATION		

Sample ID: S. P. #1 SURFACE (H302678-02)

BTEX 8021B — mg/kg — Analyzed By: MS — S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.983	0.500	11/07/2013	ND	2.20	110	2.00	6.58	
Toluene*	13.0	0.500	11/07/2013	ND	2.24	112	2.00	7.50	
Ethylbenzene*	16.6	0.500	11/07/2013	ND	2.28	114	2.00	7.83	
Total Xylenes*	31.0	1.50	11/07/2013	ND	6.83	114	6.00	8.29	
Total BTEX	62.4	3.00	11/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 169 % 80.2-126

TPH 8015M — mg/kg — Analyzed By: MS — S-08

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	880	100	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	18300	100	11/04/2013	ND	205	102	200	0.511	

Surrogate: 1-Chlorooctane 144 % 63.2-140

Surrogate: 1-Chlorooctadecane 266 % 63.6-154

Cardinal Laboratories — *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-9388

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/08/2013	Sampling Type:	Soil
Project Name:	BEESON STATION PUMP UNIT 1	Sampling Condition:	Cool & Intact
Project Number:	NOL-13-022	Sample Received By:	Jodi Henson
Project Location:	BEESON STATION		

Sample ID: S. P. #2 SURFACE (H302678-03)

BTEX 8021B — mg/kg — Analyzed By: MS — 5-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/07/2013	ND	2.20	110	2.00	6.58	
Toluene*	5.88	0.500	11/07/2013	ND	2.24	112	2.00	7.60	
Ethylbenzene*	9.63	0.500	11/07/2013	ND	2.28	114	2.00	7.83	
Total Xylenes*	18.0	1.50	11/07/2013	ND	6.83	114	6.00	8.29	
Total BTEX	33.5	3.00	11/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 84.1-126

TPH 8015M — mg/kg — Analyzed By: MS — 5-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	657	200	11/04/2013	ND	209	104	200	0.0305	
DRO >C10-C28	20700	200	11/04/2013	ND	205	102	200	0.511	

Surrogate: 1-Chlorooctane 129 % 63.2-149

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

Cardinal Laboratories — *=Accredited Analyte

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-GC	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference.
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C.
	Samples reported on an as received basis (wet) unless otherwise noted on report.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	HEP
Project Manager:	Bill Green
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	1101-13-022 Project Owner: Bill Green
Project Name:	Beeson Station Pump Unit 1
Project Location:	Beeson Station
Sampler Name:	David Davis

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH - 8015 M
H302678															
1	T.T. #1 7'	X			X					X		11-1	1420		
2	S.P #1 Surface	X			X					X		11-1	1440		
3	S.P #2 Surface	X			X					X		11-1	1500		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11-1-13	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
David Davis	Time: 9:05	Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		ddavis@hesi-nm.com

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 3.2°C

Sample Condition: Cool Yes / No; Intact Yes / No

CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2476

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 06, 2014

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Beeson Satation OrderNo.: 1312632

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/14/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued December 20, 2013.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order 1312632
Date Reported: 1/6/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: Beeson Satation
Lab ID: 1312632-001 Matrix: SOIL

Client Sample ID: AH#1 1'
Collection Date: 12/12/2013
Received Date: 12/14/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: **JME**
Diesel Range Organics (DRO)	130	99		mg/Kg	10	12/18/2013 2:51:13 PM	10815
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	12/18/2013 2:51:13 PM	10815
Surr: DNOP	0	66-131	S	%REC	10	12/18/2013 2:51:13 PM	10815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/18/2013 1:33:51 PM	10837
Surr: BFB	94.5	74.5-129		%REC	1	12/18/2013 1:33:51 PM	10837
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	12/18/2013 1:33:51 PM	10837
Benzene	ND	0.046		mg/Kg	1	12/18/2013 1:33:51 PM	10837
Toluene	ND	0.046		mg/Kg	1	12/18/2013 1:33:51 PM	10837
Ethylbenzene	ND	0.046		mg/Kg	1	12/18/2013 1:33:51 PM	10837
Xylenes, Total	ND	0.093		mg/Kg	1	12/18/2013 1:33:51 PM	10837
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	12/18/2013 1:33:51 PM	10837
EPA METHOD 300.0: ANIONS							Analyst: **JRR**
Chloride	3.1	1.5		mg/Kg	1	1/3/2014 11:45:32 AM	11087

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: Beeson Satation
Lab ID: 1312632-002 Matrix: SOIL

Client Sample ID: AH#2 1'
Collection Date: 12/12/2013
Received Date: 12/14/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	98		mg/Kg	10	12/18/2013 6:27:44 PM	10815
Motor Oil Range Organics (MRO)	900	490		mg/Kg	10	12/18/2013 6:27:44 PM	10815
Surr: DNOP	0	66-131	S	%REC	10	12/18/2013 6:27:44 PM	10815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2013 2:02:38 PM	10837
Surr: BFB	91.2	74.5-129		%REC	1	12/18/2013 2:02:38 PM	10837
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	12/18/2013 2:02:38 PM	10837
Benzene	ND	0.049		mg/Kg	1	12/18/2013 2:02:38 PM	10837
Toluene	ND	0.049		mg/Kg	1	12/18/2013 2:02:38 PM	10837
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2013 2:02:38 PM	10837
Xylenes, Total	ND	0.097		mg/Kg	1	12/18/2013 2:02:38 PM	10837
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	12/18/2013 2:02:38 PM	10837
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	4.1	1.5		mg/Kg	1	1/3/2014 12:35:10 PM	11087

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: Beeson Satation
Lab ID: 1312632-003 Matrix: SOIL

Client Sample ID: AH#3 1'
Collection Date: 12/12/2013
Received Date: 12/14/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: **BCN**
Diesel Range Organics (DRO)	53	10		mg/Kg	1	12/19/2013 9:44:18 AM	10815
Motor Oil Range Organics (MRO)	370	50		mg/Kg	1	12/19/2013 9:44:18 AM	10815
Surr: DNOP	108	66-131		%REC	1	12/19/2013 9:44:18 AM	10815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/18/2013 2:31:24 PM	10837
Surr: BFB	91.0	74.5-129		%REC	1	12/18/2013 2:31:24 PM	10837
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	12/18/2013 2:31:24 PM	10837
Benzene	ND	0.046		mg/Kg	1	12/18/2013 2:31:24 PM	10837
Toluene	ND	0.046		mg/Kg	1	12/18/2013 2:31:24 PM	10837
Ethylbenzene	ND	0.046		mg/Kg	1	12/18/2013 2:31:24 PM	10837
Xylenes, Total	ND	0.092		mg/Kg	1	12/18/2013 2:31:24 PM	10837
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	12/18/2013 2:31:24 PM	10837
EPA METHOD 300.0: ANIONS							Analyst: **JRR**
Chloride	4.3	1.5		mg/Kg	1	1/3/2014 12:59:59 PM	11067

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312632

06-Jan-14

Client: Safety & Environmental Solutions

Project: Beeson Satation

Sample ID MB-11067	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 11067	RunNo: 15894							
Prep Date: 1/3/2014	Analysis Date: 1/3/2014	SeqNo: 458298	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-11067	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 11067	RunNo: 15894							
Prep Date: 1/3/2014	Analysis Date: 1/3/2014	SeqNo: 458299	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID 1312632-001AMS	SampType: MS	TestCode: EPA Method 300.0: Anions							
Client ID: AH#1 1'	Batch ID: 11067	RunNo: 15894							
Prep Date: 1/3/2014	Analysis Date: 1/3/2014	SeqNo: 458301	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	17	1.5	15.00	3.052	93.1	71.3	115			

Sample ID 1312632-001AMSD	SampType: MSD	TestCode: EPA Method 300.0: Anions							
Client ID: AH#1 1'	Batch ID: 11067	RunNo: 15894							
Prep Date: 1/3/2014	Analysis Date: 1/3/2014	SeqNo: 458302	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	17	1.5	15.00	3.052	94.6	71.3	115	1.35	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312632

06-Jan-14

Client: Safety & Environmental Solutions
Project: Beeson Satation

Sample ID MB-10815	SampType: MBLK			TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID: PBS	Batch ID: 10815			RunNo: 15536					
Prep Date: 12/16/2013	Analysis Date: 12/17/2013			SeqNo: 448012		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		85.1	66	131			

Sample ID LCS-10815	SampType: LCS			TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 10815			RunNo: 15536					
Prep Date: 12/16/2013	Analysis Date: 12/17/2013			SeqNo: 448013		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	62.1	127			
Surr: DNOP	4.4		5.000		88.5	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312632

06-Jan-14

Client: Safety & Environmental Solutions
Project: Beeson Satation

Sample ID MB-10837	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449046	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.0	74.5	129			

Sample ID LCS-10837	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449047	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	74.5	126			
Surr: BFB	980		1000		98.2	74.5	129			

Sample ID 1312632-002AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: AH#2 1'	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449051	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	34	4.9	24.32	0.9737	135	69.5	145			
Surr: BFB	1000		972.8		106	74.5	129			

Sample ID 1312632-002AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: AH#2 1'	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449053	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	4.9	24.32	0.9737	124	69.5	145	8.13	20	
Surr: BFB	1000		972.8		103	74.5	129	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312632

06-Jan-14

Client: Safety & Environmental Solutions
Project: Beeson Satation

Sample ID MB-10837	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449145		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID LCS-10837	SampType: LCS	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449146		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.2	0.10	1.000	0	122	64.5	131			
Benzene	1.0	0.050	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Sample ID 1312632-001AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles							
Client ID: AH#1 1'	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449149		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.2	0.096	0.9579	0.01460	127	58.5	163			
Benzene	1.0	0.048	0.9579	0	105	67.4	135			
Toluene	1.0	0.048	0.9579	0.008063	104	72.6	135			
Ethylbenzene	1.0	0.048	0.9579	0	109	69.4	143			
Xylenes, Total	3.2	0.096	2.874	0.01190	109	70.8	144			
Surr: 4-Bromofluorobenzene	1.1		0.9579		110	80	120			

Sample ID 1312632-001AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles							
Client ID: AH#1 1'	Batch ID: 10837	RunNo: 15586							
Prep Date: 12/17/2013	Analysis Date: 12/18/2013	SeqNo: 449149		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.3	0.096	0.9579	0.01460	132	58.5	163	3.74	20	
Benzene	1.1	0.048	0.9579	0	112	67.4	135	5.69	20	
Toluene	1.0	0.048	0.9579	0.008063	103	72.6	135	3.80	20	
Ethylbenzene	1.1	0.048	0.9579	0	114	69.4	143	4.07	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantization range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312632

06-Jan-14

Client: Safety & Environmental Solutions
Project: Beeson Satation

Sample ID	1312632-001AMSD	SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles					
Client ID:	AH#1 1'	Batch ID:	10837		RunNo:	15586					
Prep Date:	12/17/2013	Analysis Date:	12/18/2013		SeqNo:	449149	Units:	mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total		3.3	0.098	2.874	0.01190	113	70.8	144	2.91	20	
Surr: 4-Bromofluorobenzene		1.0		0.9579		109	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

23

Chain-of-Custody Record

Client: Safety & Environmental Solutions Inc

Mailing Address: PO Box 1613
Hobbs NM 88241

Phone #: 575-397-0510

email or Fax#: ballen@sesi-nm.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other ____________

☐ EDD (Type) ____________

Turn-Around Time:
☒ Standard ☐ Rush ________

Project Name: Beeson Station

Project #: Hoc. 13-022

Project Manager: B Allen

Sampler: B Allen

On Ice: [illegible]

Sample Temperature: [illegible]

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
~~12-12~~		~~Soil~~																
12-12		Soil	AH#1 1'		ICE	-001	✓		✓									
12-12		"	AH#2 1'		"	-002	✓		✓									
12-12		"	AH#3 1'		"	-003	✓		✓									

Date	Time	Relinquished by	Received by	Date	Time
12/13/13	7:08	B Allen	[signature]	12/13/13	0708
12/13/13	11AM	[signature]	[signature]	12/14/13	11am

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Safety Env Solutions Work Order Number: 1312632 RcptNo: 1

Received by/date: AF 12/14/13

Logged By: Lindsay Mangin 12/14/2013 11:00:00 AM

Completed By: Lindsay Mangin 12/16/2013 8:22:24 AM

Reviewed By: IO 12/17/13

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	FedEx		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Yes			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 17, 2014

Bob Allen

Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: (Holly) Beeson Station Pump #1 OrderNo.: 1402263

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 10 sample(s) on 2/7/2014 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued February 13, 2014.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager 4901
Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1402263**
Date Reported: **2/17/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-001 **Matrix:** SOIL

Client Sample ID: AH-6in BGS **Collection Date:** 2/5/2014 7:45:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	34	10		mg/Kg	1	2/10/2014 12:01:32 PM
Motor Oil Range Organics (MRO)	120	50		mg/Kg	1	2/10/2014 12:01:32 PM
Surr: DNOP	108	66-131		%REC	1	2/10/2014 12:01:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/10/2014 4:12:32 PM
Surr: BFB	82.7	74.5-129		%REC	1	2/10/2014 4:12:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.049		mg/Kg	1	2/10/2014 4:12:32 PM
Toluene	ND	0.049		mg/Kg	1	2/10/2014 4:12:32 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/10/2014 4:12:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2014 4:12:32 PM
Surr: 4-Bromofluorobenzene	88.3	80-120		%REC	1	2/10/2014 4:12:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:
* Value exceeds Maximum
B Analyte detected in the associated Method Blank
E Contaminant Level. Value above quantitation range
H Not Detected at the
J Analyte detected below
N Reporting Limit Sample

Analytical Report
Lab Order **1402263**
Date Reported: **2/17/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-002 **Matrix:** SOIL

Client Sample ID: AH-7 6in BGS
Collection Date: 2/5/2014 8:05:00 AM
Received Date: 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	33	10		mg/Kg	1	2/10/2014 1:02:25 PM
Motor Oil Range Organics (MRO)	78	50		mg/Kg	1	2/10/2014 1:02:25 PM
Surr: DNOP	99.4	66-131		%REC	1	2/10/2014 1:02:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	7.2	4.7		mg/Kg	1	2/12/2014 12:56:20 PM
Surr: BFB	112	74.5-129		%REC	1	2/12/2014 12:56:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.047		mg/Kg	1	2/12/2014 12:56:20 PM
Toluene	0.070	0.047		mg/Kg	1	2/12/2014 12:56:20 PM
Ethylbenzene	0.13	0.047		mg/Kg	1	2/12/2014 12:56:20 PM
Xylenes, Total	0.27	0.094		mg/Kg	1	2/12/2014 12:56:20 PM
Surr: 4-Bromofluorobenzene	91.8	80-120		%REC	1	2/12/2014 12:56:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-003 **Matrix:** SOIL

Client Sample ID: AH-8 6in BGS **Collection Date:** 2/5/2014 8:20:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	310	99		mg/Kg	10	2/10/2014 1:32:53 PM
Motor Oil Range Organics (MRO)	620	500		mg/Kg	10	2/10/2014 1:32:53 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 1:32:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/11/2014 5:33:19 PM
Surr: BFB	80.0	74.5-129		%REC	1	2/11/2014 5:33:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.050		mg/Kg	1	2/11/2014 5:33:19 PM
Toluene	ND	0.050		mg/Kg	1	2/11/2014 5:33:19 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/11/2014 5:33:19 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/11/2014 5:33:19 PM
Surr: 4-Bromofluorobenzene	83.8	80-120		%REC	1	2/11/2014 5:33:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-004 **Matrix:** SOIL

Client Sample ID: AH-9 6in BGS **Collection Date:** 2/5/2014 8:55:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	690	99		mg/Kg	10	2/10/2014 2:03:27 PM
Motor Oil Range Organics (MRO)	740	500		mg/Kg	10	2/10/2014 2:03:27 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 2:03:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	96	20		mg/Kg	4	2/12/2014 1:53:27 PM
Surr: BFB	198	74.5-129	S	%REC	4	2/12/2014 1:53:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.10		mg/Kg	4	2/12/2014 1:53:27 PM
Toluene	0.34	0.20		mg/Kg	4	2/12/2014 1:53:27 PM
Ethylbenzene	1.8	0.20		mg/Kg	4	2/12/2014 1:53:27 PM
Xylenes, Total	3.9	0.40		mg/Kg	4	2/12/2014 1:53:27 PM
Surr: 4-Bromofluorobenzene	102	80-120		%REC	4	2/12/2014 1:53:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-005 **Matrix:** SOIL

Client Sample ID: AH-10 1ft BGS **Collection Date:** 2/5/2014 9:40:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	260	100		mg/Kg	10	2/10/2014 4:05:11 PM
Motor Oil Range Organics (MRO)	1200	500		mg/Kg	10	2/10/2014 4:05:11 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 4:05:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/12/2014 2:22:04 PM
Surr: BFB	82.5	74.5-129		%REC	1	2/12/2014 2:22:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.048		mg/Kg	1	2/12/2014 2:22:04 PM
Toluene	ND	0.048		mg/Kg	1	2/12/2014 2:22:04 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/12/2014 2:22:04 PM
Xylenes, Total	ND	0.096		mg/Kg	1	2/12/2014 2:22:04 PM
Surr: 4-Bromofluorobenzene	89.0	80-120		%REC	1	2/12/2014 2:22:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-006 **Matrix:** SOIL

Client Sample ID: AH-11 1ft BGS
Collection Date: 2/5/2014 10:00:00 AM
Received Date: 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	63	10		mg/Kg	1	2/11/2014 10:30:37 AM
Motor Oil Range Organics (MRO)	380	50		mg/Kg	1	2/11/2014 10:30:37 AM
Surr: DNOP	96.4	66-131		%REC	1	2/11/2014 10:30:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/11/2014 6:01:56 PM
Surr: BFB	81.2	74.5-129		%REC	1	2/11/2014 6:01:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.049		mg/Kg	1	2/11/2014 6:01:56 PM
Toluene	ND	0.049		mg/Kg	1	2/11/2014 6:01:56 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/11/2014 6:01:56 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/11/2014 6:01:56 PM
Surr: 4-Bromofluorobenzene	88.1	80-120		%REC	1	2/11/2014 6:01:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-007 **Matrix:** SOIL

Client Sample ID: AH-12 1ft BGS **Collection Date:** 2/5/2014 10:20:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	130	100		mg/Kg	10	2/10/2014 5:07:08 PM
Motor Oil Range Organics (MRO)	670	500		mg/Kg	10	2/10/2014 5:07:08 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 5:07:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/12/2014 12:13:03 AM
Surr: BFB	83.2	74.5-129		%REC	1	2/12/2014 12:13:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.049		mg/Kg	1	2/12/2014 12:13:03 AM
Toluene	ND	0.049		mg/Kg	1	2/12/2014 12:13:03 AM
Ethylbenzene	ND	0.049		mg/Kg	1	2/12/2014 12:13:03 AM
Xylenes, Total	ND	0.099		mg/Kg	1	2/12/2014 12:13:03 AM
Surr: 4-Bromofluorobenzene	90.5	80-120		%REC	1	2/12/2014 12:13:03 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-008 **Matrix:** SOIL

Client Sample ID: AH-13 1ft BGS **Collection Date:** 2/5/2014 10:35:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	140	99		mg/Kg	10	2/10/2014 5:38:01 PM
Motor Oil Range Organics (MRO)	810	500		mg/Kg	10	2/10/2014 5:38:01 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 5:38:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/12/2014 1:38:35 AM
Surr: BFB	83.5	74.5-129		%REC	1	2/12/2014 1:38:35 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.049		mg/Kg	1	2/12/2014 1:38:35 AM
Toluene	ND	0.049		mg/Kg	1	2/12/2014 1:38:35 AM
Ethylbenzene	ND	0.049		mg/Kg	1	2/12/2014 1:38:35 AM
Xylenes, Total	ND	0.098		mg/Kg	1	2/12/2014 1:38:35 AM
Surr: 4-Bromofluorobenzene	90.7	80-120		%REC	1	2/12/2014 1:38:35 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-009 **Matrix:** SOIL

Client Sample ID: AH-14 1ft BGS **Collection Date:** 2/5/2014 11:10:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	160	100		mg/Kg	10	2/10/2014 6:08:51 PM
Motor Oil Range Organics (MRO)	1100	500		mg/Kg	10	2/10/2014 6:08:51 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 6:08:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/12/2014 12:41:35 AM
Surr: BFB	82.1	74.5-129		%REC	1	2/12/2014 12:41:35 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.048		mg/Kg	1	2/12/2014 12:41:35 AM
Toluene	ND	0.048		mg/Kg	1	2/12/2014 12:41:35 AM
Ethylbenzene	ND	0.048		mg/Kg	1	2/12/2014 12:41:35 AM
Xylenes, Total	ND	0.095		mg/Kg	1	2/12/2014 12:41:35 AM
Surr: 4-Bromofluorobenzene	88.8	80-120		%REC	1	2/12/2014 12:41:35 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1
Lab ID: 1402263-010 **Matrix:** SOIL

Client Sample ID: AH-15 1ft BGS **Collection Date:** 2/5/2014 11:30:00 AM **Received Date:** 2/7/2014 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**
Diesel Range Organics (DRO)	140	99		mg/Kg	10	2/10/2014 6:39:47 PM
Motor Oil Range Organics (MRO)	900	500		mg/Kg	10	2/10/2014 6:39:47 PM
Surr: DNOP	0	66-131	S	%REC	10	2/10/2014 6:39:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/12/2014 1:10:07 AM
Surr: BFB	84.6	74.5-129		%REC	1	2/12/2014 1:10:07 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**
Benzene	ND	0.048		mg/Kg	1	2/12/2014 1:10:07 AM
Toluene	ND	0.048		mg/Kg	1	2/12/2014 1:10:07 AM
Ethylbenzene	ND	0.048		mg/Kg	1	2/12/2014 1:10:07 AM
Xylenes, Total	ND	0.096		mg/Kg	1	2/12/2014 1:10:07 AM
Surr: 4-Bromofluorobenzene	93.2	80-120		%REC	1	2/12/2014 1:10:07 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum
- B Analyte detected in the associated Method Blank
- E Contaminant Level. Value above quantitation range
- H Not Detected at the
- J Analyte detected below
- N Reporting Limit Sample

Client: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1

Sample ID **MB-11619**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **11619**	RunNo: **16585**
Prep Date: **2/7/2014**	Analysis Date: **2/7/2014**	SeqNo: **477743** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		78.2	66	131			

Sample ID **LCS-11619**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **11619**	RunNo: **16585**
Prep Date: **2/7/2014**	Analysis Date: **2/7/2014**	SeqNo: **477744** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	60.8	145			
Surr: DNOP	4.0		5.000		79.3	66	131			

Qualifiers:

* Value exceeds Maximum
E Contaminant Level. Value above quantitation range
J Analyte detected below
B Analyte detected in the associated
H Method Blank Holding times for
N preparation or analysis exceeded

Client: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1

Sample ID **MB-11627**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **11627**	RunNo: **16626**
Prep Date: **2/7/2014**	Analysis Date: **2/10/2014**	SeqNo: **479142** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	790		1000		79.0	74.5	129			

Sample ID **LCS-11627**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **11627**	RunNo: **16626**
Prep Date: **2/7/2014**	Analysis Date: **2/10/2014**	SeqNo: **479143** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	74.5	126			
Surr: BFB	870		1000		86.8	74.5	129			

Sample ID **1402263-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **AH-6in BGS**	Batch ID: **11627**	RunNo: **16663**
Prep Date: **2/7/2014**	Analysis Date: **2/11/2014**	SeqNo: **480433** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.70	0	89.8	69.5	145			
Surr: BFB	910		988.1		91.7	74.5	129			

Sample ID **1402263-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **AH-6in BGS**	Batch ID: **11627**	RunNo: **16663**
Prep Date: **2/7/2014**	Analysis Date: **2/11/2014**	SeqNo: **480434** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.63	0	87.5	69.5	145	2.96	20	
Surr: BFB	890		985.2		90.0	74.5	129	0	0	

Qualifiers:

* Value exceeds Maximum
E Contaminant Level. Value above quantitation range
J Analyte detected below
B Analyte detected in the associated
H Method Blank Holding times for
N preparation or analysis exceeded

Client: Safety & Environmental Solutions
Project: (Holly) Beeson Station Pump #1

Sample ID **MB-11627**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **11627**	RunNo: **16626**
Prep Date: **2/7/2014**	Analysis Date: **2/10/2014**	SeqNo: **479161** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000	84.4		80	120			

Sample ID **LCS-11627**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **11627**	RunNo: **16626**
Prep Date: **2/7/2014**	Analysis Date: **2/10/2014**	SeqNo: **479162** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	80	120			

Qualifiers:

* Value exceeds Maximum

E Contaminant Level. Value above quantitation range

J Analyte detected below

B Analyte detected in the associated

H Method Blank Holding times for

N preparation or analysis exceeded

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Safety Env Solutions | Work Order Number: 1402263 | RcptNo: 1

Received by/date: 02/07/14

Logged By: Lindsay Mangin | 2/7/2014 9:15:00 AM

Completed By: Lindsay Mangin | 2/7/2014 10:23:54 AM

Reviewed By: 02/07/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Fedex		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are samples correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

6-ml preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental Solution

Mailing Address: 703 E. Clinton Hobbs, NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: (Holly) Pump #1 Beeson Station

Project #: 04L-13-022

Project Manager: Allen, Bob

Sampler: Sosa, Jerry

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1402263
2/05	0745	S	AH-6 6" BGS	1	Ice	-001
2/05	0805	S	AH-7 6" BGS	1		-002
2/05	0820	S	AH-8 6" BGS	1		-003
2/05	0855	S	AH-9 6" BGS	1		-004
2/05	0940	S	AH-10 1' BGS	1		-005
2/05	1000	S	AH-11 1' BGS	1		-006
2/05	1020	S	AH-12 1' BGS	1		-007
2/05	1035	S	AH-13 1' BGS	1		-008
2/05	1110	S	AH-14 1' BGS	1		-009
2/05	1130	S	AH-15 1' BGS	1	Ice	-010

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO$_3$,NO$_2$,PO$_4$,SO$_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX	TPH 8015B (GRO / DRO)			Air Bubbles (Y or N)
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			
		X									X	X			

Date: 2/06/14 Time: 1600 Relinquished by: Jerry Sosa

Received by: Date Time 02/07/14 0915

Date: Time: Relinquished by:

Received by: Date Time

Remarks: SEND COPY TO JSOSA@SESI-NM.COM

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contractor data will be clearly noted on the analytical report.

Appendix B
C-141

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	Holly Energy Partners	Contact	William Green
Address	1602 W. Main, Artesia, NM 88210	Telephone No:	575.748.8968
Facility Name	Beeson Pump Unit 1	Facility Type	Crude Oil Pumping Station

Surface Owner	Bureau of Land Mgmt.	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	3	18S	30E					Eddy

Latitude 32°46'55.29"N Longitude 103°57'35.98"W

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release ~15 bbls	Volume Recovered None
Source of Release	Seal Failure	Date and Hour of Occurrence 10/18/2013 06:45 (AM)	Date and Hour of Discovery 10/18/2013 06:45 (AM)
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required		If YES, To Whom?	
By Whom?		Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No		If YES, Volume Impacting the Watercourse. Not Applicable	

If a Watercourse was Impacted, Describe Fully.*

Not Applicable

RECEIVED
OCT 2 1 2013
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.*
A pump seal failure in the #1 Unit is the cause of the release. Pumping sources immediately shut-down. Failure resulted in a vertical spray of crude oil mist. Impacted soils at the source was excavated and placed on plastic.

Describe Area Affected and Cleanup Action Taken.*
SESI, Hobbs, NM, identified the release while setting up for another project onsite. SESI has excavated impacted soil (placing on plastic) and will oversee delineation and remediation activities.

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:	OIL CONSERVATION DIVISION
Printed Name: William D. Green, PG	Approved by Environmental Specialist:
Title: Environmental Specialist	Approval Date: / Expiration Date:
E-mail Address: Bill.Green@hollyenergy.com	Conditions of Approval: / Attached ☐
Date: 10/21/2013 Phone: 575.748.8968	

*Attach Additional Sheets If Necessary

Appendix C
Site Photographs

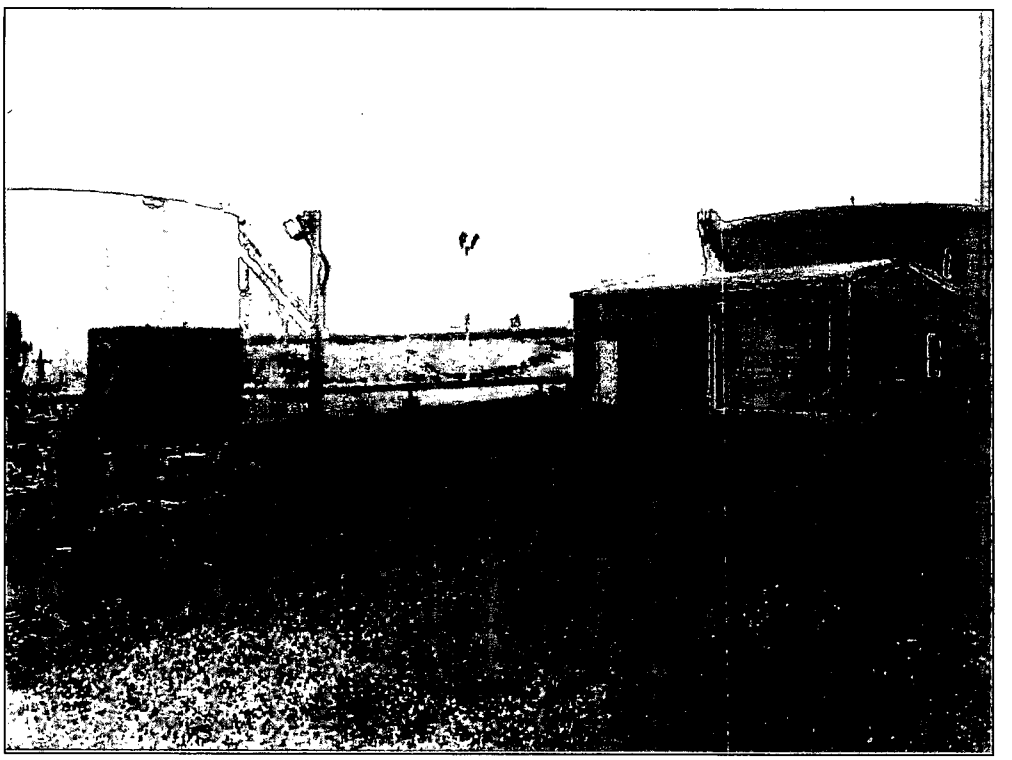


Photo #1-Spray Area inside fence looking northwest

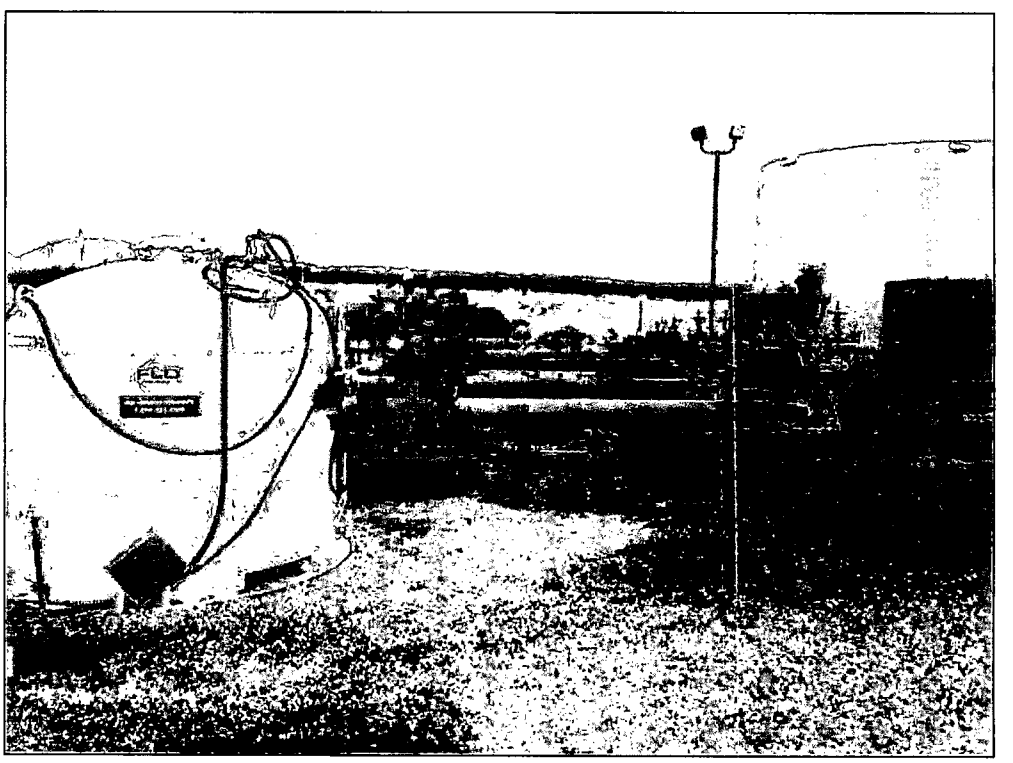


Photo #2-Release area inside fence looking west

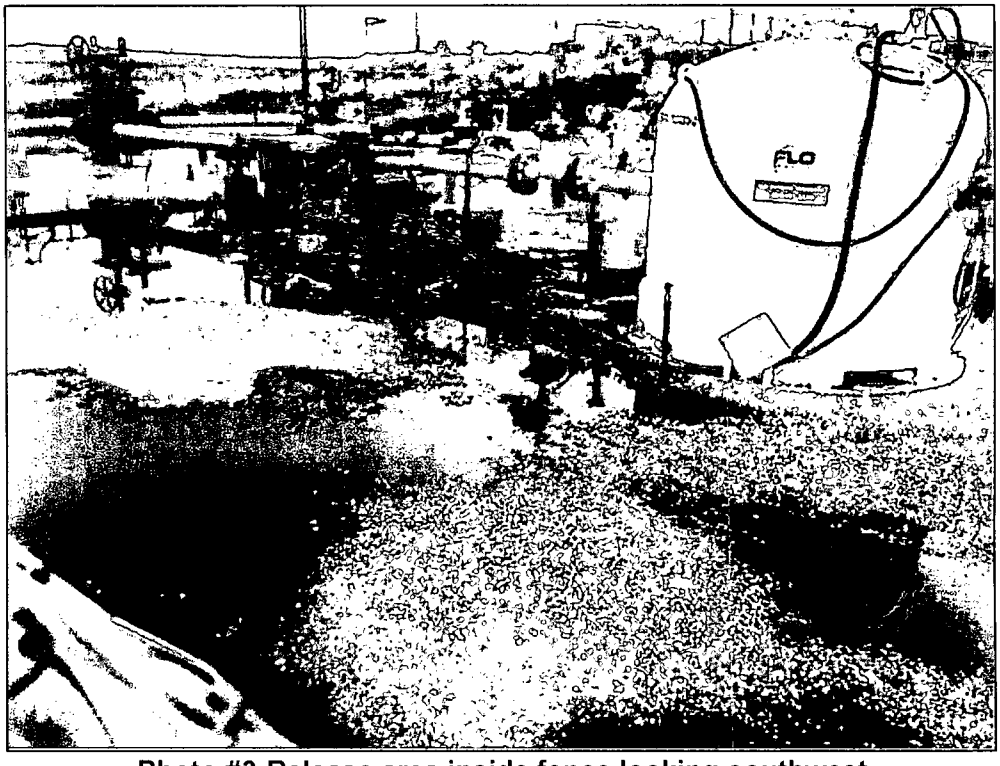


Photo #3-Release area inside fence looking southwest

Photo #4-Release run outside East Fence looking southeast

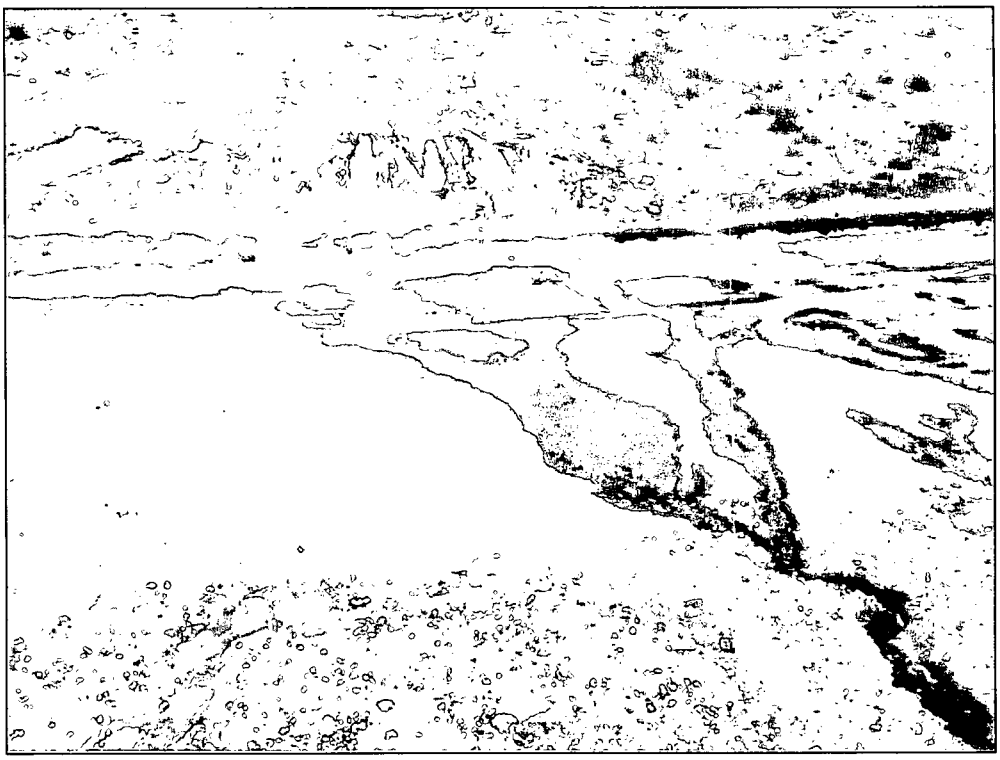


Photo #5-Release run outside East fence across road looking east

Photo #6-Inside Fence with backfill

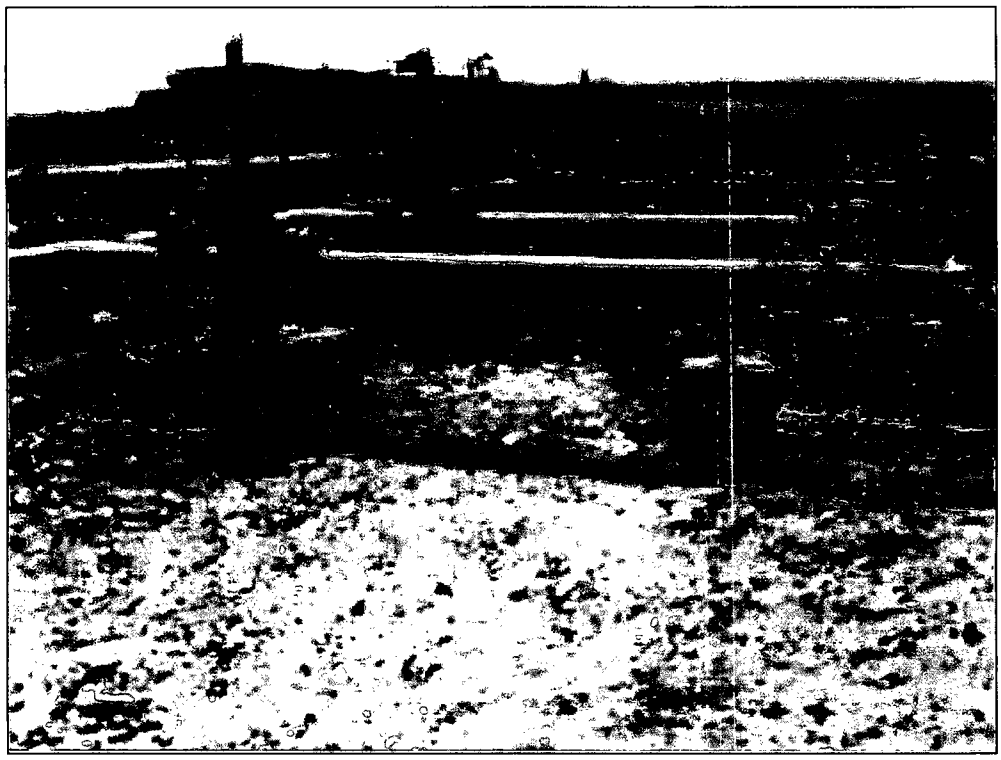


Photo #7-Inside Fence with backfill

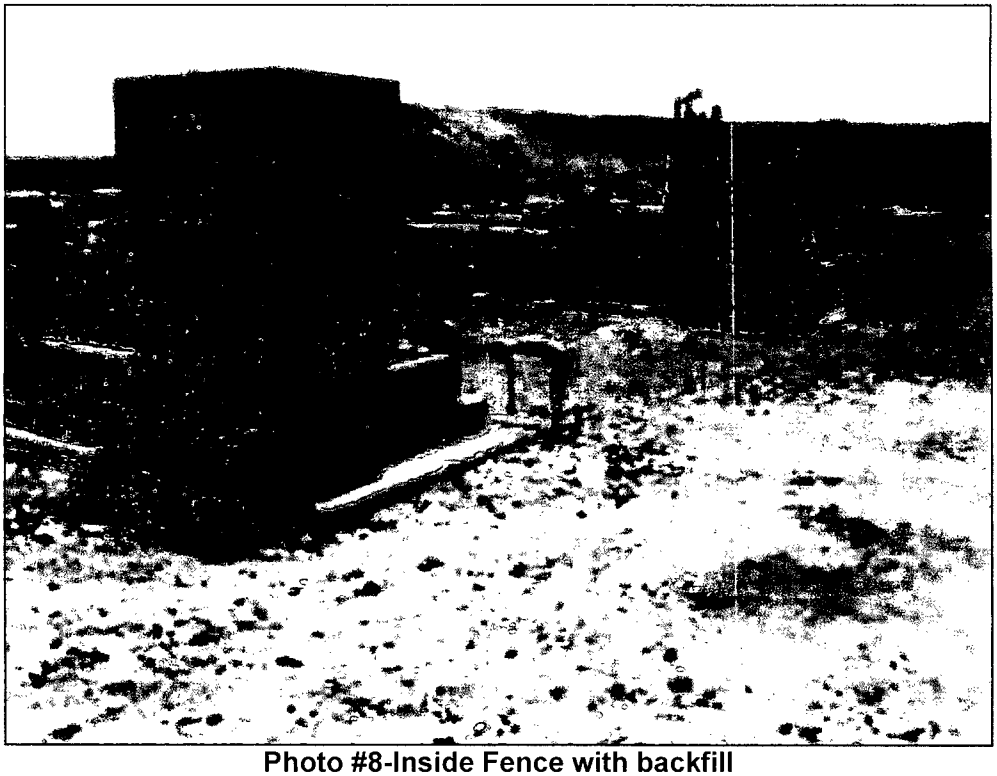


Photo #8-Inside Fence with backfill

Photo #9-Inside Fence with backfill

Photo #10-Inside Fence with backfill