

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		RECEIVED By JKeyes at 7:31 am, Feb 10, 2016		Form C-141 <small>Submit a Copy to appropriate District Office in accordance with 19.15.29 NMAC.</small>		
Release Notification and Corrective Action								
OPERATOR				<input checked="" type="checkbox"/> Initial Report <input type="checkbox"/> Final Report				
Name of Company/Matador Production Company				Contact Catherine Green				
Address 500 N Main St Ste 1				Telephone No. 575-623-6601				
Facility Name Young Deep Unit 23				Facility Type Oil Well				
Surface Owner			Mineral Owner			API No. 30-025-29896		
LOCATION OF RELEASE								
Unit Letter J	Section 18S	Township 09	Range 32E	Feet from the 2310	North/South Line S	Feet from the 1980	East/West Line E	County Lea
Latitude 32.761017				Longitude -103.7692566				
NATURE OF RELEASE								
Type of Release Fire in Heater Treater				Volume of Release 35 bbls		Volume Recovered 8 bbls		
Source of Release Heater Treater				Date and Hour of Occurrence 9pm Feb. 6, 2016		Date and Hour of Discovery 9:20 pm Feb. 6, 2016		
Was Immediate Notice Given? Required				If YES, To Whom? Catherine Green				
By Whom? Clay Stevens				Date and Hour 9:20pm Feb. 6, 2016				
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				If YES, Volume Impacting the Watercourse.				
If a Watercourse was Impacted, Describe Fully.*								
Describe Cause of Problem and Remedial Action Taken.* Fire occurred in Heater Treater at approximately 9pm Feb. 6, 2016. Well was turned off, 8 bbls of fluid was recovered after fire was extinguished. Soil samples will be collected in dike where spill was contained. Any contaminated soils will be properly disposed of, and containment will be rebuilt. Heater Treater will be removed and probably replaced with similar process equipment.								
Describe Area Affected and Cleanup Action Taken.*								
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: <i>Catherine Green</i>				OIL CONSERVATION DIVISION				
Printed Name: Catherine Green				Approved by Environmental Specialist: <i>Jane Keyes</i>				
Title: Regulatory Analyst				Approval Date: 02/10/2016		Expiration Date: 04/10/2016		
E-mail Address: cgreen@matadorresources.com				Conditions of Approval: Discrete site samples only. Delineate and remediate per NMOCD guidelines.		nJXK1604126938 Attached <input type="checkbox"/> IRP 4157 pJXK1604127007		
Date: Feb. 7, 2016 623-6601		Phone: 575-						

RECEIVED

By JKeyes at 3:21 pm, Apr 20, 2016



APPROVED

1RP-4157

Investigation Summary and Work Plan

Young Deep Unit 11, 23 Heater Treater Fire

April 20, 2016

Approved upon the condition that a sample be taken from the spill area that was outside of the containment.

Introduction

This summary and work plan by Matador Resources details knowledge and plans for remediation of the Young Deep Unit (YDU) 11 and 23 battery fire that occurred during the evening hours of February 6, 2016. The YDU 11 and 23 battery is located in Section 18S, Township 9, Range 32E of Lea County, NM. The surface is owned by Jim Ross Caviness of Hobbs, NM, with the mineral rights controlled by the Bureau of Land Management (BLM). The geodetic position is 32°45.8745 N, 103°46.3907W. The release occurred on February 6, 2016 due to a fire in a heater treater. Approximately 35 barrels of fluid was released. 8 barrels were recovered. It is believed that the majority of the fluid burned during the course of the fire. The fire scorched an area approximately 45 feet by 45 feet outside of the containment. The release was reported to the New Mexico Oil Conservation Division Hobbs office on February 7, 2016. OCD issued remediation project (RP) number 1RP-4157. Attachments include surveys, pictures, and map.

Setting

The setting is as follows:

- The surface elevation is approximately 3,830 feet above sea level.
- The topography is undulating sands.
- Groundwater is deeper than 400 feet below surface according to records from the New Mexico Office of the State Engineer (OSE)
- No fresh water wells in the area. (See attached OSE water well reports)

Remediation Action

Collect soil samples at a minimum depth of 24 inches below surface near fire source to be analyzed by Cardinal Labs in Hobbs, NM. Upon return of results, determine whether or not soil needs to be remediated deeper than 24 inches below surface.

Facility Sketch

(NOT TO SCALE)



See Map for detailed directions

Dotted lines represent proposed dikes or below ground piping

All dimensions are in feet unless specified

"Drain" indicates potential direction of spill migration

"BKR" = Electrical panel or break "CM" = Chemical storage

"B" = Breach on dike "COMP" = Compressor

Solid lines for existing dikes or above ground piping

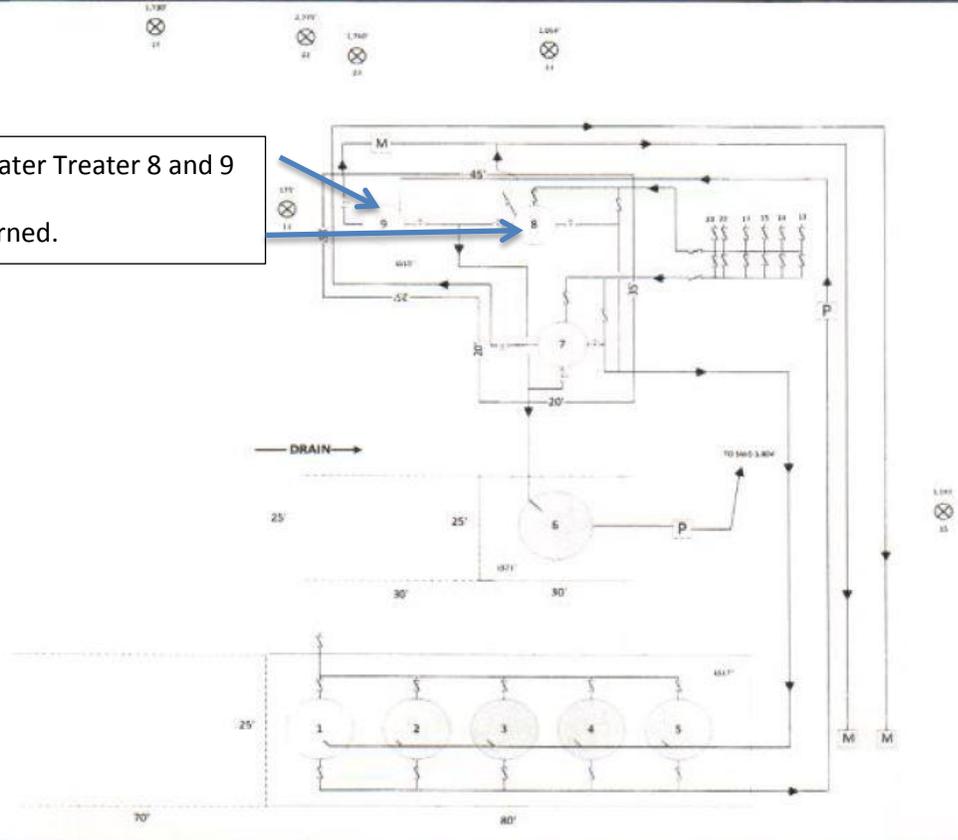
Arrows indicate flow path of fluids

"WH" = Well head "P" = Pump "M" = Meter

"LS" = lowest point measured on dike (inches)

"ST" = Steel containment height (inches)

Heater Treater 8 and 9
burned.





Fire started here.

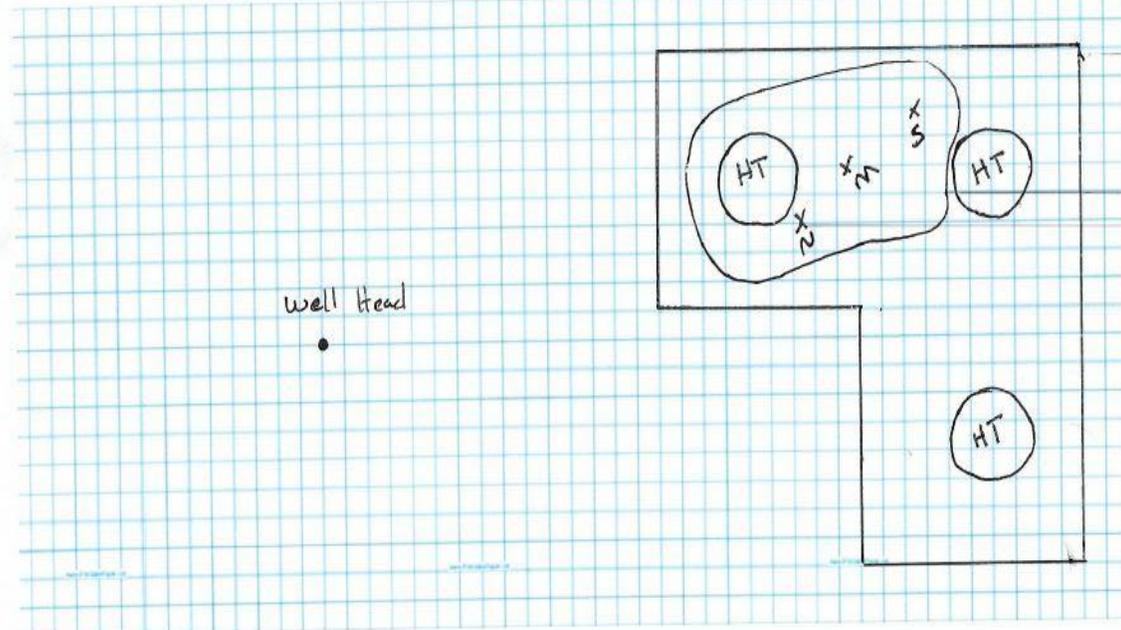
Fire scorched to here.



Diamondback Location Plat

Well/Facility Name: Young Deep # 11

Date: 2-10-16



STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Billy Williams Owner's Well No. TH #1
 Street or Post Office Address _____
 City and State Magowan, N.M.

Well was drilled under Permit No. _____ and is located in the:

- a. SE ¼ SW ¼ NE ¼ NE ¼ of Section 16 Township 185 Range 32E N.M.P.M.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor Larry Felkins License No. _____
 Address Hobbs, N.M.

Drilling Began 9/3/91 Completed 9/3/91 Type tools Rotary Size of hole 5/4 in.
 Elevation of land surface or _____ at well is _____ ft. Total depth of well 100 ft.
 Completed well is shallow artesian. Depth to water upon completion of well Dry ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			

Section 1. GENERAL INFORMATION

(A) Owner of well T X O Prod. Owner's Well No. _____
 Street or Post Office Address c/o Glenn's Water Well Service, Inc.
 City and State Box 692 Tatum, New Mexico 88267

Well was drilled under Permit No. CP-677 and is located in the:

- a. $\frac{1}{4}$ ~~W1~~ $\frac{1}{4}$ NW $\frac{1}{4}$ NW of Section 26 Township 18-S. Range 32-E. N.M.P.M.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor Glenn's Water Well Service License No. WD 421
 Address Box 692 Tatum, New Mexico 88267

Drilling Began 5/9/85 Completed 5/9/85 Type tools Rotary Size of hole 7 7/8 in.
 Elevation of land surface or _____ at well is _____ ft. Total depth of well 700 ft.
 Completed well is shallow artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			Dry Hole	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To



Remediation Actions

Soil samples were collected as shown on the attached plat at the surface. This was a surface fire, thus the thinking was to collect a baseline sample. The results did not come back as expected. See Analytical Results dated Feb. 22. BTEX, Chloride, and TPH were much higher than the allowable reporting limits. The remediation vendor collected samples from the same locations as shown on the plat from 18 inches below ground surface. The middle and south sample sites results are higher than the allowable reporting limits for chlorides only. These results were again not what were anticipated. However, caliche has been observed in the area. It is possible that the sample was collected against a piece of caliche. The remediation vendor collected samples at 3 and 4 feet below ground surface, as shown in this report.



The results from the 3 and 4 feet below ground surface are within the acceptable range for BTEX, and TPH from all three sample spots. The chloride results from the north and middle sample spots are also within the acceptable range. The chloride result from the south sample spot at both 3 and 4 feet below ground surface is outside of the acceptable range. See, the attached results, or the table below.

Sample	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride	GRO	DRO
N-S1	20.2	119	33	43.9	216	352	2410	26800
M-S1	0.169	6.04	5.15	8.56	19.9	3520	115	4920
S-S1	9.23	42.5	15.1	23	89.8	7040	561	18400
N18''	<0.05	<0.05	<0.05	<0.15	<0.30	<16	<10	<10
M18''	<0.05	<0.05	<0.05	<0.15	<0.30	2400	<10	<10
S18''	<0.05	<0.05	<0.05	<0.15	<0.30	272	<10	<10
N3'	<0.05	<0.05	<0.05	<0.15	<0.30	<16	<10	<10
M3'	<0.05	<0.05	<0.05	<0.15	<0.30	<16	<10	<10
S3'	<0.05	<0.05	<0.05	<0.15	<0.30	2040	<10	<10
N4'	<0.05	<0.05	<0.05	<0.15	<0.30	<16	<10	<10
M4'	<0.05	<0.05	<0.05	<0.15	<0.30	<16	<10	<10
S4'	<0.05	<0.05	<0.05	<0.15	<0.30	384	<10	<10

As can be seen by the table above, the chloride levels are not consistent. Thus, we believe that nature may be at work here.

Upon approval of this work plan, Matador will back fill the heater treater area with clean soil, rebuild the containments, and install fencing.

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/22/2016	Sampling Date:	02/10/2016
Reported:	02/23/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: NORTH (H600397-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	20.2	2.00	02/23/2016	ND	2.07	103	2.00	4.41		
Toluene*	119	2.00	02/23/2016	ND	2.00	100	2.00	2.96		
Ethylbenzene*	33.0	2.00	02/23/2016	ND	1.83	91.5	2.00	2.46		
Total Xylenes*	43.9	6.00	02/23/2016	ND	5.67	94.5	6.00	2.53		
Total BTEX	216	12.0	02/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PII) 98.5 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/23/2016	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2410	100	02/22/2016	ND	195	97.7	200	4.26			
DRO >C10-C28	26800	100	02/22/2016	ND	213	107	200	10.4			

Surrogate: 1-Chlorooctane 143 % 35-147

Surrogate: 1-Chlorooctadecane 621 % 28-171



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/22/2016	Sampling Date:	02/10/2016
Reported:	02/23/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE (H600397-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.169	0.050	02/23/2016	ND	2.07	103	2.00	4.41		
Toluene*	6.04	0.050	02/23/2016	ND	2.00	100	2.00	2.96		
Ethylbenzene*	5.15	0.050	02/23/2016	ND	1.83	91.5	2.00	2.46		
Total Xylenes*	8.56	0.150	02/23/2016	ND	5.67	94.5	6.00	2.53		
Total BTEX	19.9	0.300	02/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	02/23/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	115	100	02/22/2016	ND	195	97.7	200	4.26		
DRO >C10-C28	4920	100	02/22/2016	ND	213	107	200	10.4		

Surrogate: 1-Chlorooctane 99.1 % 35-147

Surrogate: 1-Chlorooctadecane 160 % 28-171

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/22/2016	Sampling Date:	02/10/2016
Reported:	02/23/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SOUTH (H600397-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	9.23	0.200	02/23/2016	ND	2.07	103	2.00	4.41		
Toluene*	42.5	0.200	02/23/2016	ND	2.00	100	2.00	2.96		
Ethylbenzene*	15.1	0.200	02/23/2016	ND	1.83	91.5	2.00	2.46		
Total Xylenes*	23.0	0.600	02/23/2016	ND	5.67	94.5	6.00	2.53		
Total BTEX	89.8	1.20	02/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	02/23/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	561	100	02/22/2016	ND	195	97.7	200	4.26			
DRO >C10-C28	18400	100	02/22/2016	ND	213	107	200	10.4			

Surrogate: 1-Chlorooctane 143 % 35-147

Surrogate: 1-Chlorooctadecane 506 % 28-171

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/19/2016	Sampling Date:	02/18/2016
Reported:	02/26/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: CONFIRMATION N 18" BGS (H600387-01)

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	02/24/2016	ND	2.03	102	2.00	1.57		
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45		
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74		
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59		
Total BTEX	<0.300	0.300	02/24/2016	ND						

Surrogate: 4-Bromofluorobenzene (PII) 99.3 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/22/2016	ND	416	104	400	7.41		

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	02/22/2016	ND	195	97.7	200	4.26		
DRO >C10-C28	<10.0	10.0	02/22/2016	ND	213	107	200	10.4		

Surrogate: 1-Chlorooctane 98.6 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/19/2016	Sampling Date:	02/18/2016
Reported:	02/26/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: CONFIRMATION M 18" BGS (H600387-02)

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	02/24/2016	ND	2.03	102	2.00	1.57		
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45		
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74		
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59		
Total BTEX	<0.300	0.300	02/24/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	02/22/2016	ND	416	104	400	7.41		

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	02/22/2016	ND	195	97.7	200	4.26		
DRO >C10-C28	<10.0	10.0	02/22/2016	ND	213	107	200	10.4		

Surrogate: 1-Chlorooctane 96.6 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	02/19/2016	Sampling Date:	02/18/2016
Reported:	02/26/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: CONFIRMATION S 18" BGS (H600387-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B5	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57		
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45		
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74		
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59		
Total BTEX	<0.300	0.300	02/24/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B5	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/22/2016	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B5	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/22/2016	ND	195	97.7	200	4.26		
DRO >C10-C28	<10.0	10.0	02/22/2016	ND	213	107	200	10.4		

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/12/2016	Sampling Date:	04/07/2016
Reported:	04/18/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: NORTH 3' BGS (H600792-01)

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	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	<0.050	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEX	<0.300	0.300	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/13/2016	ND	400	100	400	0.00	

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	04/13/2016	ND	195	97.4	200	0.797	
DRO >C10-C28	<10.0	10.0	04/13/2016	ND	173	86.4	200	2.06	

Surrogate: 1-Chlorooctane 72.6 % 35-147

Surrogate: 1-Chlorooctadecane 90.6 % 28-171



Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/12/2016	Sampling Date:	04/07/2016
Reported:	04/18/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MIDDLE 3' BGS (H600792-03)

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	04/12/2016	ND	1.89	94.4	2.00	3.59		
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37		
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56		
Total BTEX	<0.300	0.300	04/12/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/13/2016	ND	400	100	400	0.00		

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	04/13/2016	ND	195	97.4	200	0.797		
DRO >C10-C28	<10.0	10.0	04/13/2016	ND	173	86.4	200	2.06		

Surrogate: 1-Chlorooctane 68.1 % 35-147

Surrogate: 1-Chlorooctadecane 90.4 % 28-171

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 Fax To: (575) 392-9376

Received:	04/12/2016	Sampling Date:	04/07/2016
Reported:	04/18/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SOUTH 3' BGS (H600792-05)

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	04/12/2016	ND	1.89	94.4	2.00	3.59		
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37		
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56		
Total BTEX	<0.300	0.300	04/12/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	04/13/2016	ND	400	100	400	0.00		

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	04/13/2016	ND	195	97.4	200	0.797		
DRO >C10-C28	<10.0	10.0	04/13/2016	ND	173	86.4	200	2.06		

Surrogate: 1-Chlorooctane 69.1 % 35-147

Surrogate: 1-Chlorooctadecane 95.6 % 28-171

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 BRANDON PRICE
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/12/2016	Sampling Date:	04/07/2016
Reported:	04/18/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: NORTH 4' BGS (H600792-02)

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	04/12/2016	ND	1.89	94.4	2.00	3.59		
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37		
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56		
Total BTEX	<0.300	0.300	04/12/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/13/2016	ND	400	100	400	0.00		

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	04/13/2016	ND	195	97.4	200	0.797		
DRO >C10-C28	<10.0	10.0	04/13/2016	ND	173	86.4	200	2.06		

Surrogate: 1-Chlorooctane 67.1 % 35-147

Surrogate: 1-Chlorooctadecane 87.7 % 28-171

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 BRANDON PRICE
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/12/2016	Sampling Date:	04/07/2016
Reported:	04/18/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: MIDDLE 4' BGS (H600792-04)

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	04/12/2016	ND	1.89	94.4	2.00	3.59	
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11	
Ethylbenzene*	<0.050	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37	
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56	
Total BTEX	<0.300	0.300	04/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/13/2016	ND	400	100	400	0.00	

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	04/13/2016	ND	195	97.4	200	0.797	
DRO >C10-C28	<10.0	10.0	04/13/2016	ND	173	86.4	200	2.06	

Surrogate: 1-Chlorooctane 72.2 % 35-147

Surrogate: 1-Chlorooctadecane 97.6 % 28-171



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 BRANDON PRICE
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/12/2016	Sampling Date:	04/07/2016
Reported:	04/18/2016	Sampling Type:	Soil
Project Name:	YOUNG DEEP #11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SOUTH 4' BGS (H600792-06)

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	04/12/2016	ND	1.89	94.4	2.00	3.59		
Toluene*	<0.050	0.050	04/12/2016	ND	1.79	89.3	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/12/2016	ND	1.60	80.0	2.00	4.37		
Total Xylenes*	<0.150	0.150	04/12/2016	ND	4.95	82.5	6.00	3.56		
Total BTEX	<0.300	0.300	04/12/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/13/2016	ND	400	100	400	0.00		

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	04/13/2016	ND	195	97.4	200	0.797		
DRO >C10-C28	<10.0	10.0	04/13/2016	ND	173	86.4	200	2.06		

Surrogate: 1-Chlorooctane 70.2 % 35-147

Surrogate: 1-Chlorooctadecane 87.1 % 28-171