

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

Form C-141  
Revised August 8, 2011

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

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	Dugan Production Corp.	Contact	Rodger Mullins
Address	P O Box 420, Farmington, NM 87499-0420	Telephone No.	505-325-1821
Facility Name	July Jubilee #2	Facility Type	Oil Well

Surface Owner	Federal	Mineral Owner	Fee	API No.	30-045-25123
---------------	---------	---------------	-----	---------	--------------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	29	24N	9W	790	North	790	West	San Juan

Latitude 36.29036 Longitude 107.81796

**NATURE OF RELEASE**

Type of Release	Crude Oil	Volume of Release	unknown	Volume Recovered	16 bbls
Source of Release	Production Tank	Date and Hour of Occurrence	1-15-13 - time unknown	Date and Hour of Discovery	1-15-13 @ 0900 hrs
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD - Brandon Powell BLM - Mark Kelly			
By Whom?	Rodger Mullins	Date and Hour	1-16-13 @ 1515 hrs		
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.\*

RCVD MAR 25 '13  
OIL CONS. DIV.  
DIST. 3

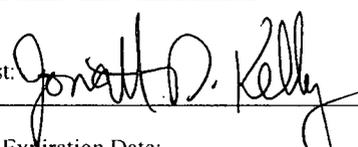
Describe Cause of Problem and Remedial Action Taken.\*

Production tank developed a hole allowing crude oil to leak into the containment area.

Describe Area Affected and Cleanup Action Taken.\*

Oil was sucked up. Production tank was removed and repaired. Contaminated dirt was removed (see attached landfarm receipts). Hole in ground was tested to insure zero contamination (see attached lab results before and after excavation). Contaminated dirt was replaced with clean dirt. Production tank was re-set.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Rodger Mullins	Approved by Environmental Specialist: 	
Title: Environmental	Approval Date: <u>4/25/2013</u>	Expiration Date:
E-mail Address: rmullins@duganproduction.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: March 22, 2013	Phone: 505-326-4548	

\* Attach Additional Sheets If Necessary

NJK1311547640

550 yrd.

LANDFARM 2

RECEIVAL DATE	CLIENT NAME	LOCATION	CY	BBL	Exempt?	COMMENTS	BOL	CHLORIDES	Tests	2nd Tests
1/16/2013	Dugan Pro	July Jubilee #2	12		Yes	Cont. Soil	42703	-278	1	
1/17/2013	Dugan Pro	July Jubilee #2	60		Yes	Cont. Soil	42711	-278	2	
1/18/2013	Dugan Pro	July Jubilee #2	36		Yes	Cont. Soil	42720	-278	1	
1/18/2013	Dugan Pro	July Jubilee #2	43		Yes	Cont. Soil	42724	-278	1	

151

LANDFARM 2

RECEIVAL DATE	CLIENT NAME	LOCATION	CY	BBL	Exempt?	COMMENT S	BOL	CHLORIDE S	Tests	2nd Tests
2/26/2013	Dugan Pro	July Jubilee #2	9		Yes	Cont. Soil	42997	-278	1	
2/27/2013	Dugan Pro	July Jubilee #2	40		Yes	Cont. Soil	42999	-278	1	
2/27/2013	Dugan Pro	July Jubilee #2	40		Yes	Cont. Soil	43000	-278	1	
2/27/2013	Dugan Pro	July Jubilee #2	10		Yes	Cont. Soil	43005	-278	1	
2/28/2013	Dugan Pro	July Jubilee #2	60		Yes	Cont. Soil	43006	-278	2	
2/28/2013	Dugan Pro	July Jubilee #2	50		Yes	Cont. Soil	43007	-278	2	
2/28/2013	Dugan Pro	July Jubilee #2	30		Yes	Cont. Soil	43009	-278	1	

239

LANDFARM 2

RECEIVAL DATE	CLIENT NAME	LOCATION	CY	BBL	Exempt?	COMMENTS	BOL	CHLORIDES	Tests	2nd Tests
3/1/2013	Dugan Pro.	July Julibee #2	40		Yes	Cont. Soil	43016	-278	2	
3/1/2013	Dugan Pro.	July Julibee #2	60		Yes	Cont. Soil	43017	-278	2	
3/1/2013	Dugan Pro.	July Julibee #2	60		Yes	Cont. Soil	43018	-278	2	

160



February 21, 2013

MIKE SANDOVAL  
DUGAN PRODUCTION  
P. O. BOX 420  
FARMINGTON, NM 87499

RE: PIT CLOSURES *walls before*

Enclosed are the results of analyses for samples received by the laboratory on 02/15/13 10:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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  
Lab Director/Quality Manager

**Analytical Results For:**

**DUGAN PRODUCTION**  
**MIKE SANDOVAL**  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

Received:	02/15/2013	Sampling Date:	02/13/2013
Reported:	02/21/2013	Sampling Type:	Soil
Project Name:	PIT CLOSURES	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: JULY JUBILEE #2 (H300429-01)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<5.00	5.00	02/20/2013	ND	2.31	116	2.00	6.54		
Toluene*	115	5.00	02/20/2013	ND	2.41	121	2.00	9.30		
Ethylbenzene*	33.5	5.00	02/20/2013	ND	2.33	116	2.00	8.52		
Total Xylenes*	377	15.0	02/20/2013	ND	7.27	121	6.00	9.48		
<b>Total BTEX</b>	<b>526</b>	<b>30.0</b>	<b>02/20/2013</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/19/2013	ND	432	108	400	0.00		

TPH 418.1		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	28100	500	02/18/2013	ND	4520	90.4	5000	13.7		

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	8130	50.0	02/20/2013	ND	214	107	200	4.38			
DRO >C10-C28	11000	50.0	02/20/2013	ND	184	92.1	200	4.32			
<b>Total TPH C6-C28</b>	<b>19100</b>	<b>50.0</b>	<b>02/20/2013</b>	<b>ND</b>	<b>399</b>	<b>99.7</b>	<b>400</b>	<b>4.35</b>			

Surrogate: 1-Chlorooctane 189 % 65.2-140

Surrogate: 1-Chlorooctadecane 350 % 63.6-154

Cardinal Laboratories

\*—Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celestine B. Keene, Lab Director/Quality Manager

**Notes and Definitions**

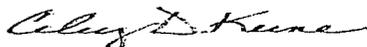
- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*             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

---

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Caley D. Keene, Lab Director/Quality Manager



# CHAIN OF CUSTODY RECORD

Page \_\_\_ of \_\_\_

Client: Sugar Production  
 Contact: Mike Sandoval  
 Address: \_\_\_\_\_  
 Phone Number: 505-330-0929  
 Email: Mike.Sandoval@dugeproduction.com

**NOTES:**

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

Table 1. - Matrix Type	
1 = Surface Water, 2 = Ground Water	
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil	
6 = Waste, 7 = Other (Specify)	

FOR GAL USE ONLY  
 GAL JOB # \_\_\_\_\_

PO# July Jubilee #2

Project Name: "Tank Containment" "Walls" Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Analyses Required											
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com													
Sample ID	Collection		Miscellaneous		Preservative(s)							Comments	
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH		Other (Specify)
<u>H300409</u>	<u>2-13-13</u>	<u>1:30</u>											<u>6.6e on ice</u>
<u>1. July Jubilee #2</u>	<u>2-13-13</u>	<u>1:30</u>											
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
Relinquished by: <u>[Signature]</u>			Date: <u>2-13-13</u>	Time: <u>3:31</u>	Received by: <u>[Signature]</u>			Date: <u>2/13/13</u>	Time: <u>15:31</u>				
Relinquished by: _____			Date: _____	Time: _____	Received by: <u>[Signature]</u>			Date: <u>2/15/13</u>	Time: <u>10:30</u>				

\* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

40c #20

March 14, 2013

MIKE SANDOVAL

DUGAN PRODUCTION

P. O. BOX 420

FARMINGTON, NM 87499

RE: PIT CLOSURES *walls after*

Enclosed are the results of analyses for samples received by the laboratory on 03/06/13 10:45.

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/ga/lab/accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab/accred_certif.html).

Cardinal Laboratories is accredited 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

Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 MIKE SANDOVAL  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 03/06/2013  
 Reported: 03/14/2013  
 Project Name: PIT CLOSURES  
 Project Number: WALLS JULY JUBILEE #2  
 Project Location: NOT GIVEN

 Sampling Date: 03/04/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Mensor

**Sample ID: JULY JUBILEE #2 (H300564-01)**
**BTEX 8021B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2013	ND	2.09	104	2.00	0.212	
Toluene*	<0.050	0.050	03/11/2013	ND	2.07	103	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/11/2013	ND	1.99	99.6	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/11/2013	ND	6.02	100	6.00	1.76	
Total BTEX	<0.300	0.300	03/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/07/2013	ND	416	104	400	0.00	

**TFH 418.1**

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	60.0	10.0	03/13/2013	ND	140	107	131		SUB-SS

**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	03/06/2013	ND	216	108	200	1.28	
DRU >C10-C28	<10.0	10.0	03/06/2013	ND	216	108	200	3.24	
Total TPH C6-C28	<10.0	10.0	03/06/2013	ND	432	108	400	0.954	

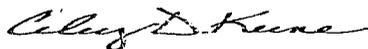
Surrogate: 1-Chlorooctane 74.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.1 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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 client for 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 thirty (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 profit, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the analytes identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Coley D. Keane, Lab Director/Quality Manager

**Notes and Definitions**

- SUB-SS      Analysis subcontracted to SunStar Laboratories, Inc.
- 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 as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

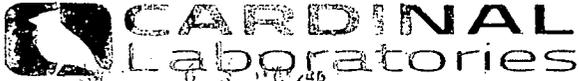
Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be denied, waived, unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruption, loss of time, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Coley D. Keone*

Coley D. Keone, Lab Director/Quality Manager





February 21, 2013

MIKE SANDOVAL  
DUGAN PRODUCTION  
P. O. BOX 420  
FARMINGTON, NM-87499

RE: PIT CLOSURES *Floor Before*

Enclosed are the results of analyses for samples received by the laboratory on 02/15/13 10:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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  
Lab Director/Quality Manager

FOR ISSUANCE YEAR: 2013

Page 1 of 1

**Analytical Results For:**

 DUGAN PRODUCTION  
 MIKE SANDOVAL  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 02/15/2013  
 Reported: 02/21/2013  
 Project Name: PIT CLOSURES  
 Project Number: JULY JUBILEE #2  
 Project Location: NOT GIVEN

 Sampling Date: 02/13/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: JULY JUBILEE #2 (H300428-01)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	02/20/2013	ND	2.31	116	2.00	6.54	
Toluene*	80.4	5.00	02/20/2013	ND	2.41	121	2.00	9.30	
Ethylbenzene*	22.0	5.00	02/20/2013	ND	2.33	116	2.00	8.52	
Total Xylenes*	270	15.0	02/20/2013	ND	7.27	121	6.00	9.48	
Total BTEX	372	30.0	02/20/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/19/2013	ND	432	108	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	8940	500	02/18/2013	ND	4520	90.4	5000	13.7	

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	5270	50.0	02/20/2013	ND	214	107	200	4.38		
DRO >C10-C28	4700	50.0	02/20/2013	ND	184	92.1	200	4.32		
Total TPH C6-C28	9970	50.0	02/20/2013	ND	399	99.7	400	4.35		

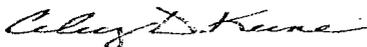
Surrogate: 1-Chlorooctane 212 % 65.2-140

Surrogate: 1-Chlorooctadecane 158 % 63.6-154

**Cardinal Laboratories**

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



### Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Cefey D. Keene, Lab Director/Quality Manager





March 14, 2013

MIKE SANDOVAL

DUGAN PRODUCTION

P. O. BOX 420

FARMINGTON, NM 87499

RE: PIT CLOSURES *4100m after*

Enclosed are the results of analyses for samples received by the laboratory on 03/06/13 10:45.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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

Lab Director/Quality Manager

LABORATORY AND QA  
YEAR 2013

*Analytical Results For:*

 DUGAN PRODUCTION  
 MIKE SANDOVAL  
 P. O. BOX 420  
 FARMINGTON NM, 87409  
 Fax To: (505) 327-4043

Received:	03/06/2013	Sampling Date:	03/04/2013
Reported:	03/14/2013	Sampling Type:	Soil
Project Name:	PIT CLOSURES	Sampling Condition:	Cool & Intact
Project Number:	JULY JUBILEE FLOOR	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: JULY JUBILEE (H300565-01)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2013	ND	2.09	104	2.00	0.212	
Toluene*	<0.050	0.050	03/11/2013	ND	2.07	103	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/11/2013	ND	1.99	99.6	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/11/2013	ND	6.02	100	6.00	1.76	
Total BTEX	<0.300	0.300	03/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/07/2013	ND	416	104	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<10.0	10.0	03/13/2013	ND	140	107	131		SUB-SS

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	03/07/2013	ND	220	110	200	8.19	
DRO >C10-C28	<10.0	10.0	03/07/2013	ND	214	107	200	6.47	
Total TPH C6-C28	<10.0	10.0	03/07/2013	ND	434	109	400	7.34	

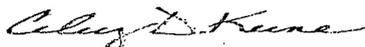
Surrogate: 1-Chlorooctane 84.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

**Cardinal Laboratories**

\* = Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



# CHAIN OF CUSTODY RECORD

Page \_\_\_\_\_ of \_\_\_\_\_

Client: Dugan Production  
 Contact: Mike Sandover  
 Address: \_\_\_\_\_  
 Phone Number: 955-330-0929  
 Email: on file

NOTES:

- 1) Ensure proper container packaging.
  - 2) Ship samples promptly following collection.
  - 3) Designate Sample Reject Disposition.
- PO# Floor of Pit  
 Project Name: July Jubilee

Table 1. -- Matrix Type  
 1 = Surface Water. 2 = Ground Water  
 3 = Soil/Sediment. 4 = Rinsate, 5 = Oil  
 6 = Waste, 7 = Other (Specify) \_\_\_\_\_  
 Samplers Signature: [Signature]

FOR GAL USE ONLY  
 GAL JOB# \_\_\_\_\_

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Analyses Required										Page 4 of 4			
Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com										Comments			
Sample ID	Collection		Miscellaneous				Preservative(s)				pH		DO		
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4				NAOH	Other (Specify)
H300565	July Jubilee	3-4-13	3:38												4.4c onice
1.															
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished by: [Signature] Date: 3-4-13 Time: 4:10 Received by: [Signature] Date: 3/15/13 Time: 7:16  
 Relinquished by: [Signature] Date: 3/15/13 Time: 7:45 Received by: [Signature] Date: 3/15/13 Time: 7:45

\* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

Jodi Hendon 3/16/13 4:14  
 402 #26

Notes and Definitions

- SUB-PS Analysis subcontracted to SunStar Laboratories, Inc.
- NDV 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

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 licensors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be relied upon or used in full without written approval of Cardinal Laboratories.

*Calvin D. Kene*

Calvin D. Kene, Lab Director/Quality Manager

**JUGAN PRODUCTION CORP.**

**JULY JUBILEE #2**

**NM24661**

**API # 30-045-25123**

**790' FNL, 790' FWL**

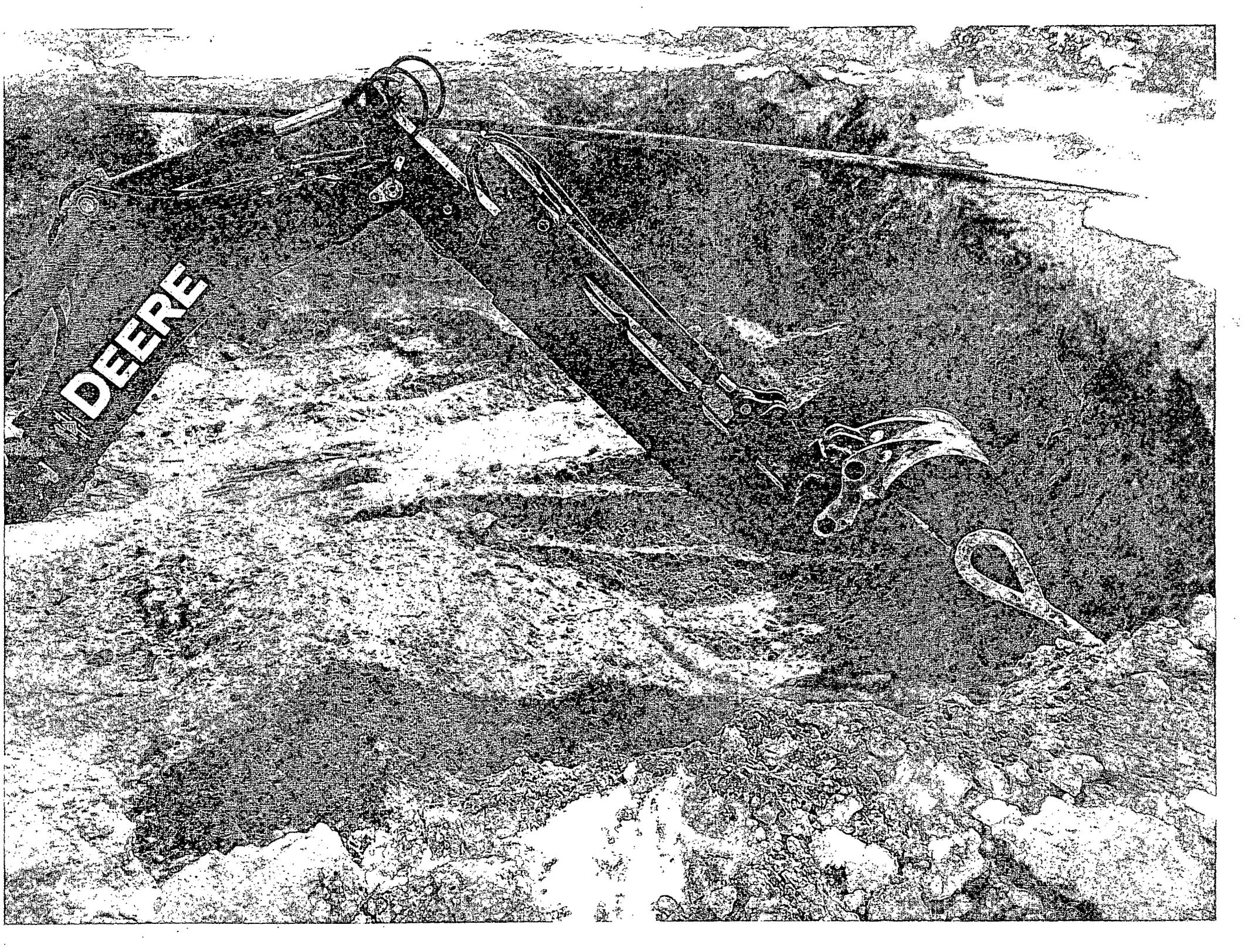
**NWNW SEC. 29, T24N, R9W**

**LAT. 36.29036 LONG. 107.81796**

**SAN JUAN COUNTY, NM**

**OR EMERGENCY CALL (505) 325-1823**





**DEERE**

