

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

OXY - MLMU INJECTION STATION

1RP - 3571

REMEDIATION PLAN

OXY will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 1 foot. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

This plan will remove the contaminants to NMOCD acceptable levels as agreed upon.

The site will then be backfilled with clean soil.

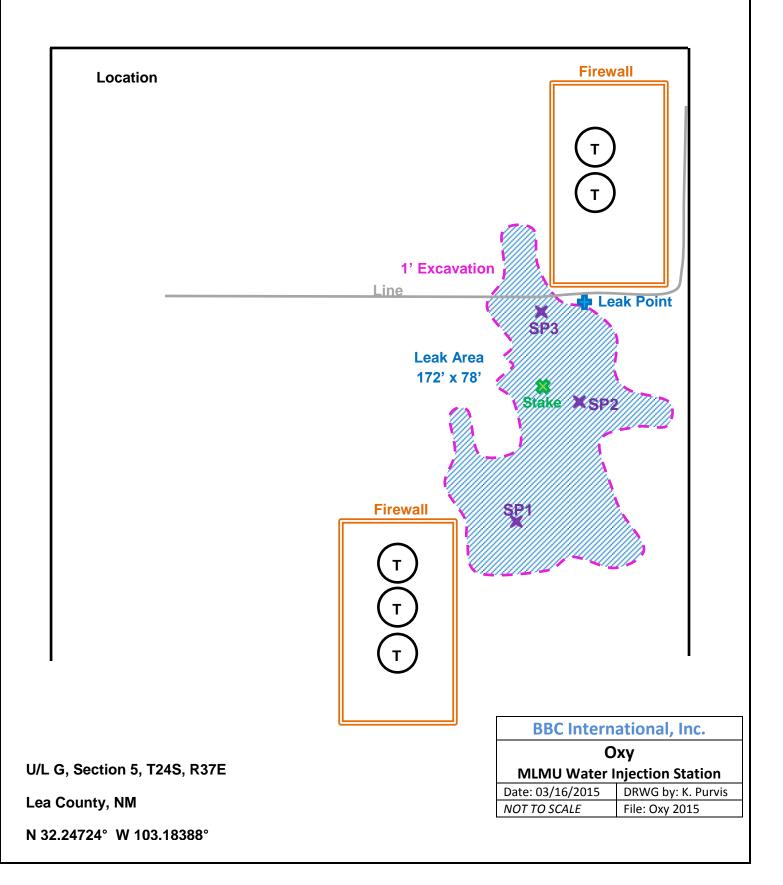
APPROVED

By OCD District 1 at 1:40 pm, Jul 28, 2015

N 1

MLMU Water Injection Station

Оху



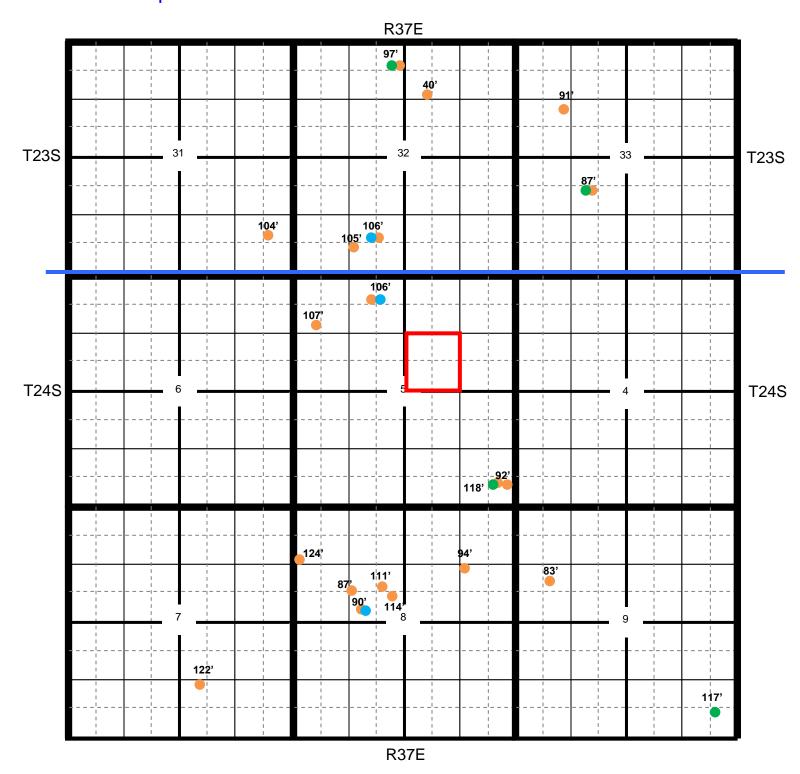


Groundwater Plot

Oxy MLMU Water Injection Station

CountyUnit LetterSectionTownshipRangeLeaG524S37E

Trend Map 100'

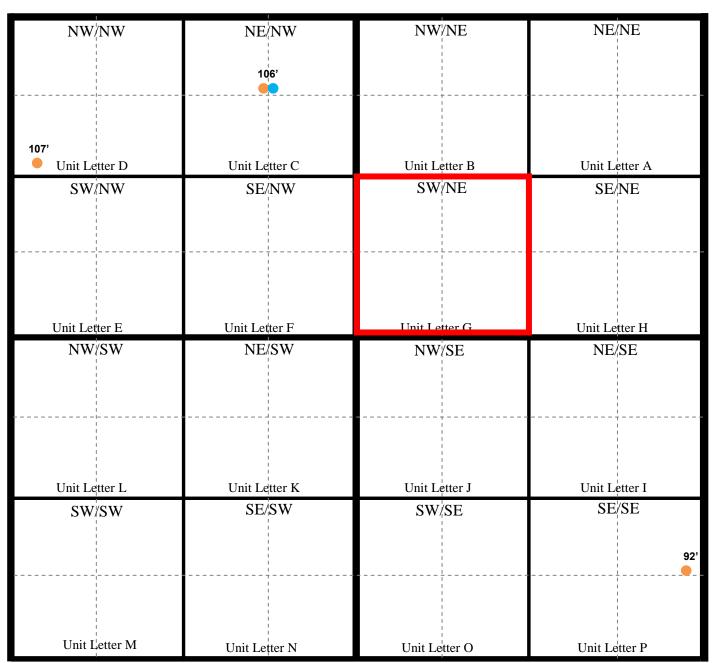


Oxy MLMU Water Injection Station

CountyUnit LetterSectionTownshipRangeLeaG524S37E

Trend Map 100'

1



3

Laboratory Analytical Results Summary MLMU Water Injection Station

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	5/4/15	5/4/15	5/4/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a
Chloride	SM4500CI-B		272	<16.0	32
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	5/4/15	5/4/15	5/4/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	n/a
Total Xylenes	BTEX 8021B		< 0.150	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a
Chloride	SM4500CI-B		1140	256	32
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	5/4/15	5/4/15	5/4/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a
Chloride	SM4500CI-B		1220	272	96
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a



May 12, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU- WATER INJECTION STATION

Enclosed are the results of analyses for samples received by the laboratory on 05/05/15 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.

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.

Celey D. Keine

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



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/05/2015 Sampling Date: 05/04/2015

Reported: 05/12/2015 Sampling Type: Soil

Project Name: MLMU- WATER INJECTION STATION Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyand By CV

Project Location: JAL

Sample ID: SP 1 @ 1 (H501159-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2015	ND	1.97	98.7	2.00	1.90	
Toluene*	<0.050	0.050	05/06/2015	ND	1.78	88.8	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/06/2015	ND	1.70	85.2	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/06/2015	ND	5.62	93.7	6.00	2.85	
Total BTEX	<0.300	0.300	05/06/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/06/2015	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2015	ND	197	98.5	200	3.00	
DRO >C10-C28	<10.0	10.0	05/05/2015	ND	203	101	200	2.52	
Surrogate: 1-Chlorooctane	92.5 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	89.9 9	6 52.1-176	5						

Sample ID: SP 1 @ 2 (H501159-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/06/2015	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/05/2015 Sampling Date: 05/04/2015

Reported: 05/12/2015 Sampling Type: Soil

Project Name: MLMU- WATER INJECTION STATION Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: AP

Project Location: JAL

mg/kg

90.4 %

52.1-176

Sample ID: SP 1 @ 3 (H501159-03)

Chloride, SM4500Cl-B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2015	ND	416	104	400	3.77	
Sample ID: SP 2 @ 1 (H501159)- 04)								
BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2015	ND	1.97	98.7	2.00	1.90	
Toluene*	<0.050	0.050	05/06/2015	ND	1.78	88.8	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/06/2015	ND	1.70	85.2	2.00	2.66	
Total Xylenes*	<0.150	0.150	05/06/2015	ND	5.62	93.7	6.00	2.85	
Total BTEX	<0.300	0.300	05/06/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 61-154							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	05/06/2015	ND	416	104	400	3.77	
ГРН 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2015	ND	197	98.5	200	3.00	
DRO >C10-C28	<10.0	10.0	05/05/2015	ND	203	101	200	2.52	
Surrogate: 1-Chlorooctane	92.7	% 47.2-15	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Surrogate: 1-Chlorooctadecane



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/05/2015 Sampling Date: 05/04/2015

Reported: 05/12/2015 Sampling Type: Soil

Project Name: MLMU- WATER INJECTION STATION Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL

Sample ID: SP 2 @ 2 (H501159-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/06/2015	ND	416	104	400	3.77	
Sample ID: SP 2 @ 3 (H5	01159-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2015	ND	416	104	400	3.77	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/05/2015 Sampling Date: 05/04/2015

Reported: 05/12/2015 Sampling Type: Soil

Project Name: MLMU- WATER INJECTION STATION Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: JAL

Sample ID: SP 3 @ 1 (H501159-07)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2015	ND	1.84	92.1	2.00	3.61	
Toluene*	<0.050	0.050	05/08/2015	ND	1.66	82.8	2.00	3.22	
Ethylbenzene*	<0.050	0.050	05/08/2015	ND	1.58	79.1	2.00	3.86	
Total Xylenes*	<0.150	0.150	05/08/2015	ND	5.23	87.1	6.00	4.27	
Total BTEX	<0.300	0.300	05/08/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 61-154	1						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	05/06/2015	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/05/2015	ND	197	98.5	200	3.00	
DRO >C10-C28	<10.0	10.0	05/05/2015	ND	203	101	200	2.52	
Surrogate: 1-Chlorooctane	93.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.5	% 52.1-17	6						

Sample ID: SP 3 @ 2 (H501159-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/06/2015	ND	416	104	400	3.77	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/05/2015 Sampling Date: 05/04/2015

Reported: 05/12/2015 Sampling Type: Soil

Project Name: MLMU- WATER INJECTION STATION Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: JAL

Sample ID: SP 3 @ 3 (H501159-09)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/06/2015	ND	416	104	400	3.77	

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Notes and Definitions

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

			T
(505) 393-2326	101 East Marlan	ARDINAL LAI	
(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240	LABORATORIES	

Company Name: BBC International, Inc.		BILL TO	ANALYSIS REQUES	JEST
Project Manager: Cliff Brunson	P.O. #:			
Address: P.O. Box 805	Company:	,		
City: Hobbs State: NM	IM zip: 88241 Attn:			
5-397-6388 Fax #:	575-397-0397 Address:	V		
Project #: Project Owner:	wner: OXY city:	n		
Project Name: MUMU - Webs	Wecker States State:	Zip:		
Project Location:	Phone #:		<u> </u>	
Sampler Name: Toff () rne	Fax#:	7		
FOR LAB USE ONLY	MATRIX PRESERV	ERV. SAMPLING	7	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL	OTHER: DATE TIME	37. Cl	
50/0/	**************************************	5.4	XX	
D F 87	×	2///	7	
J. C	× ×	1//20	×	
10/05	× ×	1209 X	X X	
2 1007	<u>~</u> ×	120	×	
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7 50507	رار الا	233 ×	××	
8 787	で ×	245	**	
4 03	C . X	300	~	
Demone Cardina's liability and Disease Cardina's liability and client's exclusive ret	medy for any claim arising whether based in contract or tort, shall be	limited to the amount paid by the client for the		
PLEASE NOTE: Liability and Danages. Cardinal's liability and clients excusive terinery lor any sami arising where the completion of the appropriate the completion of the approp	ges. Cardinal's liability and client's exclusive tempay for any claim around unless the completion of the applicable	ardinal within 30 days after completion of the appl	licable	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6 \mathcal{H}

belivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Relinquished By

Date: 5 ; ∞0 Time: 5-4-15 Date: 10 : 30

Guly

Phone Result:
Fax Result:
REMARKS:

□ Yes

□ No

Add'I Fax #:

Received By:

enni

Time: 8-5-18

Sample Condition
Cool Intact
Pes Yes
No No

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003

Submit 2 Copies to appropriate

District Office in accordance

Form C-141

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Name of Company Oxy Permian Ltd. Contact Christopher Jones Address 1502 W. Commerce Dr., Carlsbad, NM Telephone No. (575) 628-4121 Facility Type MLMU Water Injection Station Injection Station Surface Owner Jimmy Doom Mineral Owner API No. Lease 91-103817 LOCATION OF RELEASE Unit Letter Section Feet from the Township Range North/South Line East/West Line Feet from the County Η 5 **24S** 37E Lea Latitude N 32.24724° Longitude W 103.18388° NATURE OF RELEASE Type of Release Produced water Volume of Release 180 hbls Volume Recovered 0 bbls Source of Release Middle injection pump plunger broke due to Date and Hour of Occurrence Date and Hour of Discovery vibration 03/04/2015 If YES, To Whom? Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required Tomas Oberding- NMOCD, Sol Hughes-BLM By Whom? Jennifer Gilkey, BBC International Date and Hour 03/12/2015 @ 1:30 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☑ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Vibration caused a middle injection pump plunger to break and spill 180 bbls of produced water onto the ground. No fluids were recovered and the plunger was replaced. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 100'x 100' on location. The leak stayed within the facility. Remediation will be completed in accordance with a remediation plan approved by both NMOCD and the BLM. 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. Digitally signed by Chris Jones OIL CONSERVATION DIVISION DN: cn=Chris Jones, p. ou.

Approved by District Supervisor:

Expiration Date:

Attached

Approval Date:

Conditions of Approval:

Printed Name: Christopher Jones

Title: HES Specialist

E-mail Address:

Chris Jones email=ckjones888@yahoo.com

Christopher_jones@oxy.com

Date: 2015.03.23.10:37:20 -05:00

Phone: (575) 628-4121

^{*} Attach Additional Sheets If Necessary