

# Closure Report

Site Description		
Site Name:	Nagooltee Peak 5 Corn #2	<div style="border: 2px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">RECEIVED</div> <div style="border: 1px solid black; padding: 2px; font-weight: bold; font-size: 0.8em;">JUN 20 2013</div> <div style="border: 1px solid black; padding: 2px; font-weight: bold; font-size: 0.8em;">NMOCD ARTESIA</div>
Company:	Oxy Permian Ltd.	
Legal Description:	U/L E, Section 5, T22S, R24E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.41777° W 104.51753°	

Release Data	
Date of Release:	10/29/2012
Type of Release:	Produced Water
Source of Release:	Failure of a 2 7/8" Steel Production Line
Volume of Release:	10 bbls
Volume Recovered:	0 bbls

Remediation Specifications	
Remediation Parameters:	Excavate across the entire leak site to depth of 2 feet or as practicable depending on ground hardness. Then, backfill the site with clean soil.
Remediation Activities:	05/20/2013 to 06/11/2013

Plan Sent to OCD:	04/03/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	04/08/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	04/09/2013	Email from Cliff Brunson to James Amos
BLM Approval of Plan:	04/12/2013	Email from James Amos to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 11/14/2012
Final C-141	Signed 06/19/2013
Site Diagram	November 2012
Groundwater Plot	50'
TOPO Maps	November 2012
Lab Summary	11/13/2012
Lab Analysis	11/13/2012
Correspondence	Request and approval of remediation plan via email

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

B B C I n t e r n a t i o n a l

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

Form C-141  
Revised October 10, 2003  
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

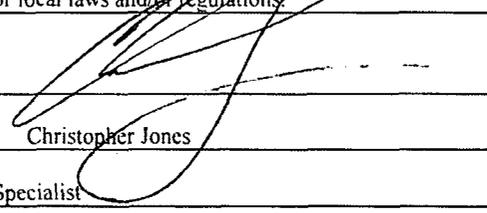
Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Nagooltee Peak 5 Com #2	Facility Type	Production
Surface Owner	Mineral Owner	Lease No. NM#81217	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	5	22S	24E	1562	N	1202	W	Eddy County, NM

Latitude N 32.41777° Longitude W 104.51753°

**NATURE OF RELEASE**

Type of Release	Produced water	Volume of Release	10 bbls	Volume Recovered	0 bbls
Source of Release	Failure of 2 7/8" steel production line	Date and Hour of Occurrence	10/29/2012	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-OCD, Terry Gregston-BLM		
By Whom?	Christopher Jones	Date and Hour	11/7/2012 @ 6:59 am		
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.* Failure of a 2 7/8" steel production line caused 10 bbls of produced water to spill onto the ground. 0 bbls of water were recovered. Remediation will be performed according to OCD and BLM approved remediation plans.					
Describe Area Affected and Cleanup Action Taken.* The area affected is approximately 200' x 40'. Failure of a 2 7/8" steel production line caused 10 bbls of produced water to spill onto the ground. 0 bbls of water were recovered. Remediation will be performed according to OCD and BLM approved remediation plans.					
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: Christopher Jones			Approved by District Supervisor:		
Title: HES Specialist			Approval Date:		Expiration Date:
E-mail Address: Christopher.Jones@oxy.com			Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11-14-12 Phone: (575) 628-4121					

\* Attach Additional Sheets If Necessary

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State of New Mexico  
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Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
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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 Name	Nagooltee Peak 5 Com #2	Facility Type	Production

Surface Owner	Mineral Owner	API No.	30-015-28074
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	5	22S	24E	1562	N	1202	W	Eddy County, NM

Latitude N 32.41777° Longitude W 104.51753°

**NATURE OF RELEASE**

Type of Release	Produced water	Volume of Release	10 bbls	Volume Recovered	0 bbls
Source of Release	Failure of 2 7/8" steel production line	Date and Hour of Occurrence	10/29/2012	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-OCD, Terry Gregston-BLM		
By Whom?	Christopher Jones	Date and Hour	11/7/2012 @ 6:59 am		
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.\*

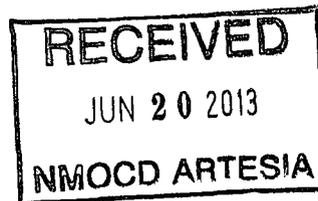
Describe Cause of Problem and Remedial Action Taken.\*  
Failure of a 2 7/8" steel production line caused 10 bbls of produced water to spill onto the ground. 0 bbls of water were recovered.

Describe Area Affected and Cleanup Action Taken.\*  
The area affected is approximately 200' x 40'. Failure of a 2 7/8" steel production line caused 10 bbls of produced water to spill onto the ground. 0 bbls of water were recovered. Remediation was completed in accordance with a remediation plan approved by Mike Bratcher of NMOCD via email on 04/08/2013 and by James Amos of BLM via email on 04/12/2013.

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:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 6-19-13 Phone: (575) 628-4121			

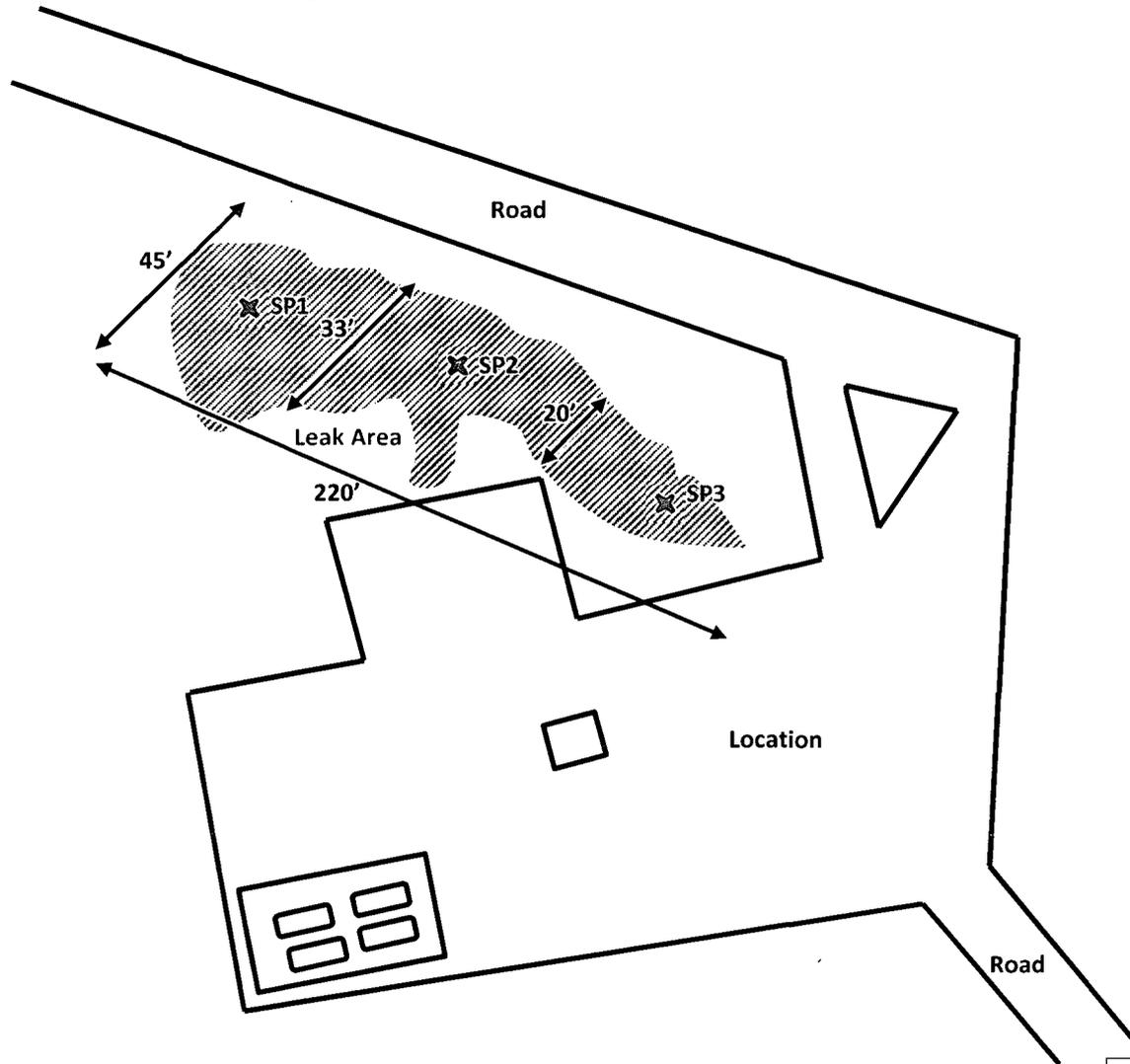
\* Attach Additional Sheets If Necessary





Oxy

Nagooltee Peak 5 Federal Com #2 (10/29/2012)



U/L E, Section 5, T22S, R24E  
1562' FNL & 1202' FWL  
Eddy County, NM  
N 32.41777° W 104.51753°  
Lease # NM-81217

BBC International, Inc.	
Oxy	
Nagooltee Peak 5-2	
Date: 11/14/2012	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2012



# Groundwater Plot

## Oxy Nagooltee Peak 5 Fed Com #2

County  
Eddy

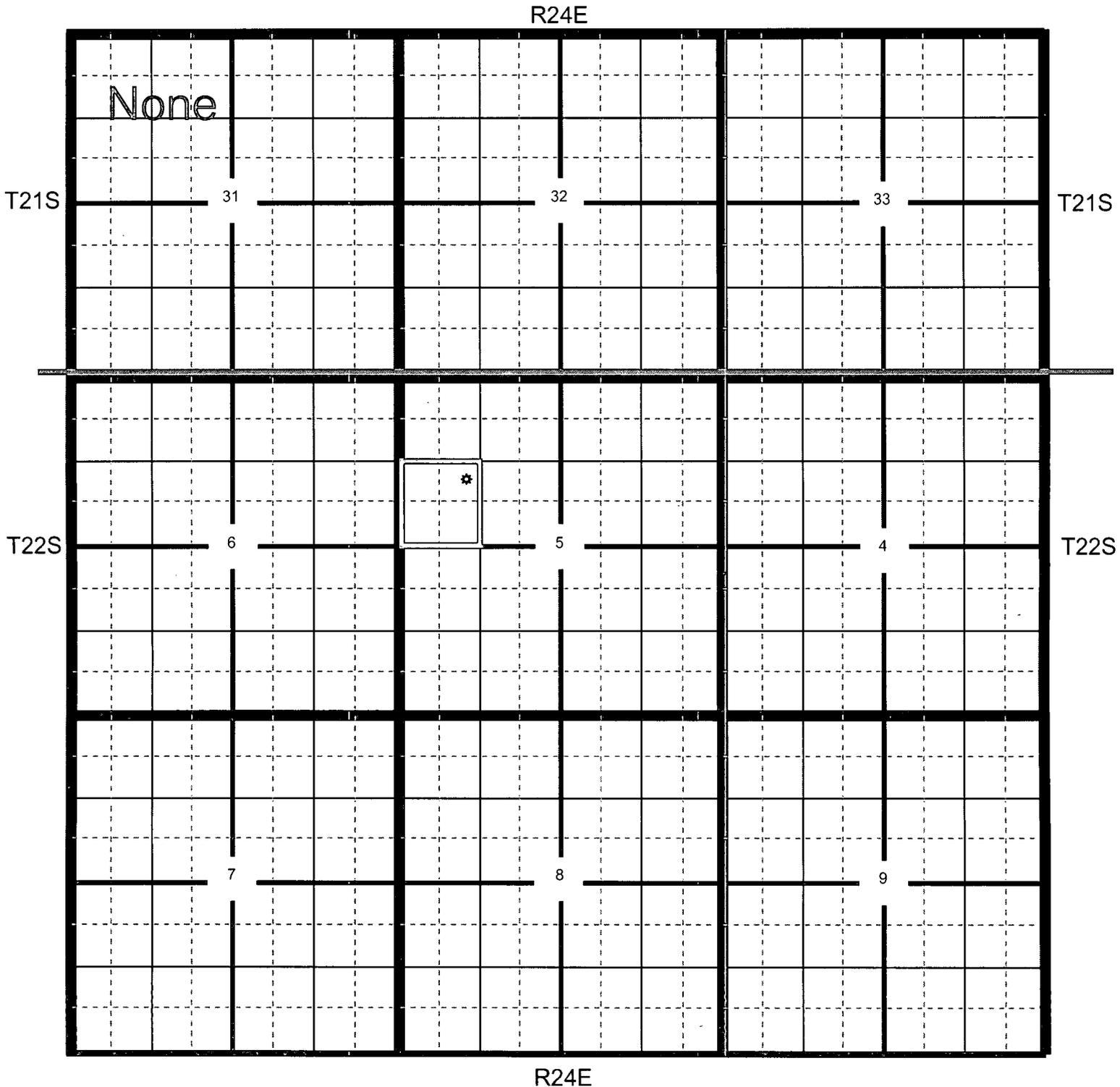
Unit Letter  
E

Section  
5

Township  
22S

Range  
24E

Trend Map <50'



☼ Location

○ OCD

○ USGS

○ SEO

● All Databases

# Oxy Nagooltee Peak 5 Fed Com #2

County Eddy      Unit Letter E      Section 5      Township 22S      Range 24E

Trend Map <50'

1

2

NW/NW None	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW ☼	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

Oxy

# Nagooltee Peak 5 Fed Com #2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF GEOLOGICAL SURVEY

MARTHA CREEK QUADRANGLE  
1:25,000 SCALE  
MONTANA TERRITORY  
1875



Vertical text on the left side of the map, likely a title or reference text.

Horizontal text on the left side of the map, likely a title or reference text.

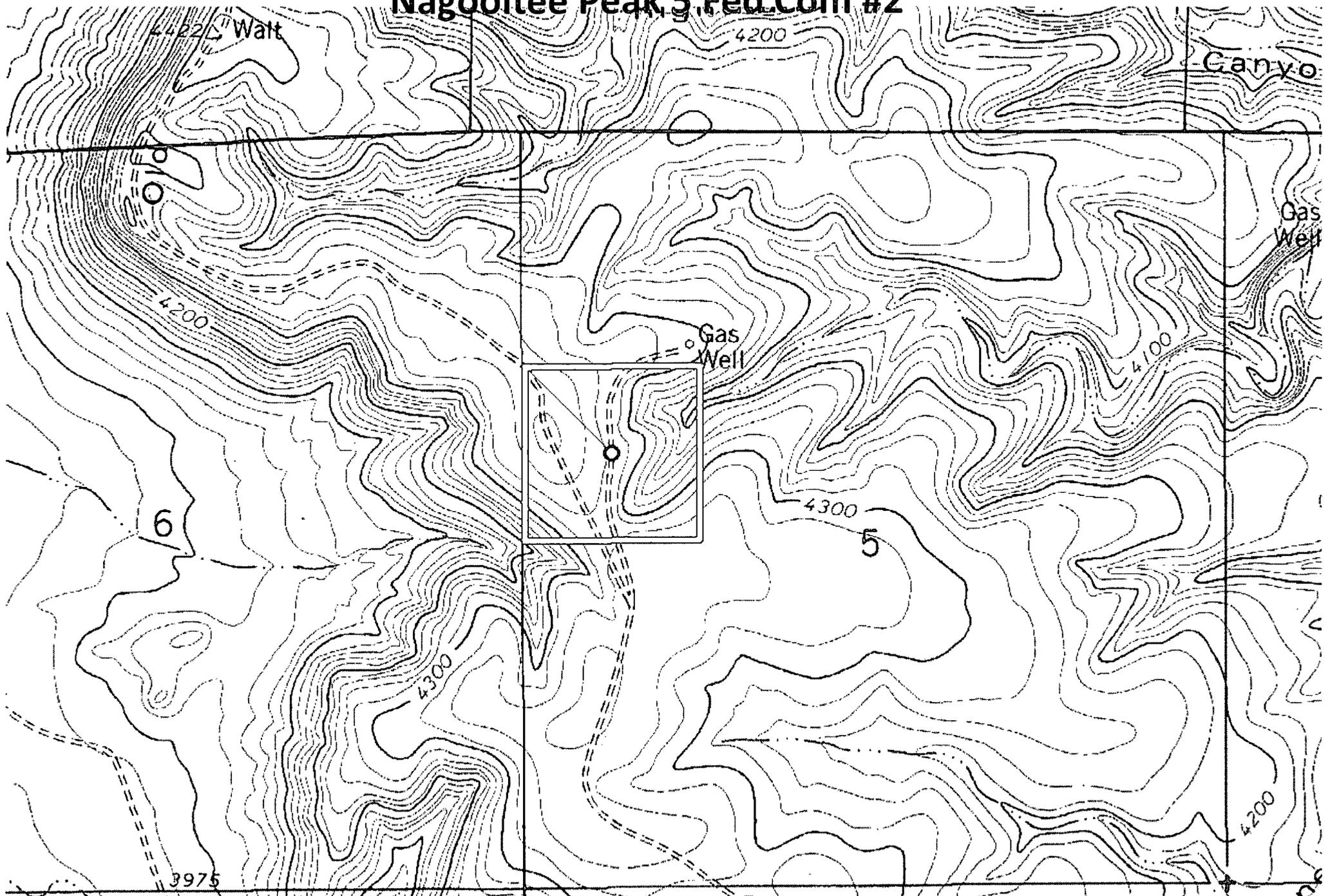
Scale bar and other graphical elements.

FOR SALE BY THE U.S. GEOLOGICAL SURVEY  
A. C. COOPER, DISTRICT ENGINEER, BUTTE, MONTANA

MARTHA CREEK, N. MEX.  
1875

Oxy

# Nagooltee Peak 5 Fed.Com #2



**Laboratory Analytical Results Summary  
Nagooltee Peak 5 Fed Com #2**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	11/13/12	11/13/12	11/13/12	11/13/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	n/a	n/a	<0.300
Chloride	SM4500Cl-B		3160	528	272	<16.0
GRO	TPH 8015M		n/a	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	n/a	n/a	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	11/13/12	11/13/12	11/13/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	n/a	<0.300
Chloride	SM4500Cl-B		4200	400	<16.0
GRO	TPH 8015M		n/a	n/a	<10.0
DRO	TPH 8015M		n/a	n/a	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	11/13/12	11/13/12	11/13/12	11/13/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	n/a	n/a	<0.300
Chloride	SM4500Cl-B		5280	320	304	<16.0
GRO	TPH 8015M		n/a	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	n/a	n/a	<10.0

November 16, 2012

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 11/14/12 15:03.

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:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	11/14/2012	Sampling Date:	11/13/2012
Reported:	11/16/2012	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ SURFACE (H202760-01)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	11/15/2012	ND	416	104	400	3.92	

**Sample ID: SP 1 @ 1' (H202760-02)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	11/15/2012	ND	416	104	400	3.92	

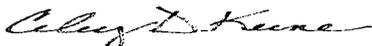
**Sample ID: SP 1 @ 2' (H202760-03)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/15/2012	ND	416	104	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	11/14/2012	Sampling Date:	11/13/2012
Reported:	11/16/2012	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 3' (H202760-04)**

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	11/16/2012	ND	1.81	90.3	2.00	2.11		
Toluene*	<0.050	0.050	11/16/2012	ND	2.15	108	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/16/2012	ND	2.24	112	2.00	3.54		
Total Xylenes*	<0.150	0.150	11/16/2012	ND	6.76	113	6.00	4.14		
Total BTEX	<0.300	0.300	11/16/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2012	ND	416	104	400	3.92		

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	11/15/2012	ND	187	93.7	200	1.91		
DRO >C10-C28	<10.0	10.0	11/15/2012	ND	205	103	200	2.87		

Surrogate: 1-Chlorooctane 84.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

**Sample ID: SP 2 @ SURFACE (H202760-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>4200</b>	16.0	11/15/2012	ND	416	104	400	3.92		

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	11/14/2012	Sampling Date:	11/13/2012
Reported:	11/16/2012	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 1' (H202760-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/15/2012	ND	416	104	400	3.92		

**Sample ID: SP 2 @ 2' (H202760-07)**

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	11/16/2012	ND	1.81	90.3	2.00	2.11		
Toluene*	<0.050	0.050	11/16/2012	ND	2.15	108	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/16/2012	ND	2.24	112	2.00	3.54		
Total Xylenes*	<0.150	0.150	11/16/2012	ND	6.76	113	6.00	4.14		
Total BTEX	<0.300	0.300	11/16/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2012	ND	416	104	400	3.92		

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	11/15/2012	ND	187	93.7	200	1.91		
DRO >C10-C28	<10.0	10.0	11/15/2012	ND	205	103	200	2.87		

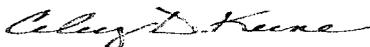
Surrogate: 1-Chlorooctane 77.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 75.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	11/14/2012	Sampling Date:	11/13/2012
Reported:	11/16/2012	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ SURFACE (H202760-08)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	11/15/2012	ND	416	104	400	3.92	

**Sample ID: SP 2 @ 1' (H202760-09)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/15/2012	ND	416	104	400	3.92	

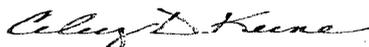
**Sample ID: SP 3 @ 2' (H202760-10)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/15/2012	ND	416	104	400	3.92	

Cardinal Laboratories

\* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	11/14/2012	Sampling Date:	11/13/2012
Reported:	11/16/2012	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ 3' (H202760-11)**

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	11/16/2012	ND	1.81	90.3	2.00	2.11		
Toluene*	<0.050	0.050	11/16/2012	ND	2.15	108	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/16/2012	ND	2.24	112	2.00	3.54		
Total Xylenes*	<0.150	0.150	11/16/2012	ND	6.76	113	6.00	4.14		
Total BTEX	<0.300	0.300	11/16/2012	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2012	ND	416	104	400	3.92		

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	11/15/2012	ND	187	93.7	200	1.91		
DRO >C10-C28	<10.0	10.0	11/15/2012	ND	205	103	200	2.87		

Surrogate: 1-Chlorooctane 87.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

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Caley D. Keene, Lab Director/Quality Manager

**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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Celey D. Keene, Lab Director/Quality Manager





## Kathy Purvis

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Monday, April 08, 2013 1:43 PM  
**To:** Cliff P. Brunson  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: Oxy-Nagooltee Peak 5 Federal Com #2-Remediation Plan

Reference: OXY USA \* Nagooltee Peak 5-2 \* 30-015-28074 \* E-5-22s-24e \* Eddy County, New Mexico  
OCD Tracking Number: 2RP-1407 \* Date of release: 10/29/2012

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. BLM approval of remediation proposal may be required.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
O: 575-748-1283 X108  
C: 575-626-0857  
F: 575-748-9720

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Wednesday, April 03, 2013 3:36 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Oxy-Nagooltee Peak 5 Federal Com #2-Remediation Plan

Mike,

This e-mail is to confirm our discussion on March 25, 2013 concerning the remediation plan for the release that occurred at the Oxy Nagooltee Peak 5 Federal Com #2. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 2 feet across the entire leak area at the site dependent upon ground hardness. The site will then be backfilled with clean soil. The depth to groundwater in this area is approximately 50 feet.

If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
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\*\*\*\*\*

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## Kathy Purvis

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**From:** Amos, James <jamos@blm.gov>  
**Sent:** Friday, April 12, 2013 6:35 AM  
**To:** Cliff P. Brunson  
**Cc:** Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: FW: Oxy-Nagooltee Peak 5 Federal Com #2-Remediation Plan

Cliff,

You are approved to proceed with the remediation plans as per request. Once depth has been achieved, provide notification, giving BLM an opportunity to validate.

Thanks,

J. Amos

On Tue, Apr 9, 2013 at 6:22 PM, Cliff P. Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:  
Jim,

I have attached a remediation packet of information for your review. The packet includes a site diagram, groundwater information, lab data summary table, and the original laboratory data. In addition, I have attached the approval from the NMOCD for this plan below in this e-mail. Oxy proposes the same following plan to the BLM as approved by the NMOCD.

Oxy proposes to excavate two feet across the entire leak area dependent upon ground hardness. The site will then be backfilled with clean soil. The depth to groundwater in this area is approximately 50 feet.

Oxy is therefore requesting the approval of the BLM to proceed with the submitted remediation plan. If you would please respond back via e-mail with your approval, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
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World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
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Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

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**Date:** Monday, April 8, 2013 1:43 PM  
**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Cc:** Chris Jones <[Christopher\\_Jones@oxy.com](mailto:Christopher_Jones@oxy.com)>, Ken Swinney <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>, Jennifer Gilkey <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>, Kathy Purvis <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>  
**Subject:** RE: Oxy-Nagooltee Peak 5 Federal Com #2-Remediation Plan

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Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

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