Closure Report

Site Description				
Site Name:	Cedar Canyon 22-1H Well Battery	Incident ID: NRM2012537816		
Company:	Oxy, Permian			
Legal Description:	U/L K, Section 22, T24S, R29E			
County:	Eddy County, NM			
GPS Coordinates:	N 32.2014 W -103.9744			

Release Data				
Date of Release:	3/30/2020			
Type of Release:	Crude Oil			
Source of Release:	Over Pressure			
Volume of Release:	80 bbls			
Volume Recovered:	76 bbls			

Remediation Specifications				
Remediation Parameters:	cleaned and	e occurred inside and outside of a lined containment. The liner was d inspected for integrity. The soil outside was excavated and con- mples were collected per the at risk requirements of the spill rule.		
Remediation Activities:	July 22, 202	20 through August 6, 2020		
Plan Sent to OCD:	5/3/2020	Receipted PO PW65O-200503-C-1410		
OCD Approval of Plan:	5/4/2020	E-mail from OCD to Wade Dittrich		
Plan Sent to BLM:	6/30/2020	E-mail from Cliff Brunson to BLM		
BLM Approval of Plan:	N/A	Risk based remediation		

Supporting Documentation				
Initial C-141	signed and included			
C-141, page 6	signed and included			
Site Diagram	Google Earth map with	Google Earth map with excavation depths & confirmation sample points		
Pictures	Remediation photos			
Lab Summary/Analysis	Confirmation lab summary/analysis report for 8/3/2020			
Depth to Groundwater	USGS Info			

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

8/10/2020

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

N 32.2014

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2012537816
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX	77210	

Location of Release Source

Latitude

W -103.9744

Longitude _____ VV · (NAD 83 in decimal degrees to 5 decimal places)

Site Name	CEDAR CANYON 22 ST 1H WELL BATTERY	Site Type	WELL BATTERY
Date Release Discovered	3/30/2020	API# (if applicable)	30-025-46112

Unit Letter	Section	Township	Range	County
K	22	T24S	29E	EDDY COUNTY, NM

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Crude Oil	Volume Released (bbls) 80 BBLS	Volume Recovered (bbls) 76 BBLS
Produced Water	Volume Released (bbls) 0 BBLS	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

OVER PRESSURE

Rece

orm C-141	State of New Mexico			
	Oil Conservation Division		Incident ID	NRM2012537816
ge 2	On Conservation Division	l	District RP	
			Facility ID	
			Application ID	
Was this a major	If YES, for what reason(s) does the res	ponsible party consid	ler this a major releas	se?
release as defined by 19.15.29.7(A) NMAC?	THE RELEASE WAS GREAT		5	
Yes No				
YES, BY JOHN W	notice given to the OCD? By whom? To DITTRICH, TO JIM GRISWOLD 20, VIA EMAIL @ 2:09 PM.			
	Initial	Response		
The responsible	party must undertake the following actions immedia	1	eate a safety hazard that w	ould result in injury
All free liquids and r	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explai	and managed approp		nent devices.
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain fAC the responsible party may commence	or dikes, absorbent pa and managed approp in why: e remediation immed	riately. liately after discovery	y of a release. If remediatio
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain 1AC the responsible party may commence a narrative of actions to date. If remedi nt area (see 19.15.29.11(A)(5)(a) NMAC	or dikes, absorbent pa and managed approp in why: e remediation immed al efforts have been), please attach all inf	liately after discovery successfully complet formation needed for	y of a release. If remediatio ted or if the release occurre closure evaluation.
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment I hereby certify that the infor regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain 1AC the responsible party may commence a narrative of actions to date. If remediint area (see 19.15.29.11(A)(5)(a) NMAC) remation given above is true and complete to the required to report and/or file certain release no ment. The acceptance of a C-141 report by the pate and remediate contamination that pose a the f a C-141 report does not relieve the operator	er emediation immed al efforts have been), please attach all inf he best of my knowledg outifications and perforr e OCD does not relieve hreat to groundwater, si	liately after discovery successfully complet formation needed for ge and understand that p n corrective actions for e the operator of liability urface water, human he	y of a release. If remediatio ted or if the release occurre closure evaluation. pursuant to OCD rules and releases which may endanger y should their operations have alth or the environment. In
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment I hereby certify that the infor regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain 1AC the responsible party may commence a narrative of actions to date. If remediint area (see 19.15.29.11(A)(5)(a) NMAC) remation given above is true and complete to the required to report and/or file certain release no ment. The acceptance of a C-141 report by the pate and remediate contamination that pose a the f a C-141 report does not relieve the operator	e remediation immed al efforts have been), please attach all inf he best of my knowledg iotifications and perforr e OCD does not relieve hreat to groundwater, st of responsibility for co	liately after discovery successfully complet formation needed for ge and understand that p n corrective actions for the operator of liability urface water. human he mpliance with any othe	y of a release. If remediatio ted or if the release occurre closure evaluation. oursuant to OCD rules and releases which may endanger y should their operations have alth or the environment. In er federal, state, or local laws
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment I hereby certify that the infor regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance of and/or regulations.	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain 1AC the responsible party may commence a narrative of actions to date. If remediint area (see 19.15.29.11(A)(5)(a) NMAC) remation given above is true and complete to the required to report and/or file certain release no ment. The acceptance of a C-141 report by the pate and remediate contamination that pose a the f a C-141 report does not relieve the operator	e remediation immed al efforts have been), please attach all inf he best of my knowledg iotifications and perforr e OCD does not relieve hreat to groundwater, st of responsibility for co	liately after discovery successfully complet formation needed for ge and understand that p n corrective actions for the operator of liability urface water. human he mpliance with any othe	y of a release. If remediatio ted or if the release occurre closure evaluation. oursuant to OCD rules and releases which may endanger y should their operations have alth or the environment. In er federal, state, or local laws
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmen I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance o	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain 1AC the responsible party may commence a narrative of actions to date. If remediint area (see 19.15.29.11(A)(5)(a) NMAC) remation given above is true and complete to the required to report and/or file certain release no ment. The acceptance of a C-141 report by the pate and remediate contamination that pose a the f a C-141 report does not relieve the operator	e remediation immed al efforts have been), please attach all inf he best of my knowledg iotifications and perforr e OCD does not relieve hreat to groundwater, st of responsibility for co	liately after discovery successfully complet formation needed for n corrective actions for the operator of liability urface water, human he mpliance with any othe	y of a release. If remediatio ted or if the release occurre closure evaluation. oursuant to OCD rules and releases which may endanger y should their operations have alth or the environment. In er federal, state, or local laws
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment I hereby certify that the infor regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, explain 1AC the responsible party may commence a narrative of actions to date. If remediint area (see 19.15.29.11(A)(5)(a) NMAC) remation given above is true and complete to the required to report and/or file certain release no ment. The acceptance of a C-141 report by the pate and remediate contamination that pose a the f a C-141 report does not relieve the operator	e remediation immed al efforts have been), please attach all inf he best of my knowledg iotifications and perforr e OCD does not relieve hreat to groundwater, st of responsibility for co	liately after discovery successfully complet formation needed for ge and understand that p n corrective actions for the operator of liability urface water. human he mpliance with any othe	y of a release. If remediatio ted or if the release occurre closure evaluation. oursuant to OCD rules and releases which may endanger y should their operations have alth or the environment. In er federal, state, or local laws

Form C-141	State of New Mexico		
		Incident ID	NRM2012537816
Page 6	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following	g items must be included in the closure report.	
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)		
Description of remediation activities		
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and a human health or the environment. In addition, OCD acceptance	belete to the best of my knowledge and understand that pursuant to OCD rules tain release notifications and perform corrective actions for releases which of a C-141 report by the OCD does not relieve the operator of liability remediate contamination that pose a threat to groundwater, surface water, of a C-141 report does not relieve the operator of responsibility for ulations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. 	
OCD Only		
Received by: Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:	
Printed Name:	Title:	



Cedar Canyon 22-1H Well Battery (3-30-20)

Confirmation Sample Points:

B1, N 32.20151 W 103.97430 B2, N 32.20151 W 103.97422

B3, N 32.20146 W 103.97424

B4, N 32.20140 W 103.97421

SW1, N 32.20153 W 103.97426

SW2, N 32.20142 W 103.97427

Received by OCD: 8/28/2020 4:27:58 PM







Laboratory Analytical Results Summary Oxy, Cedar Canyon 22-1 Well Battery (03-30-20)

		Sample ID	B1	B2	B3	B4	B5
Analyte	Method	Date	8/3/20	8/3/20	8/3/20	8/3/20	8/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		240	112	128	224	224
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SW1	SW2
Analyte	Method	Date	8/3/20	8/3/20
			mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		160	192
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0

.



August 07, 2020

Cliff Brunson BBC International, Inc. P.O. Box 805

1.0. Dox 005

Hobbs, NM 88241

RE: CEDAR CANYON 22-1H WELL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/06/20 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celecz D. Keine

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:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: BOTTOM 1 (H002046-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/07/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	88.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.4	% 42.2-15	6						

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*=Accredited Analyte

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Celeg D. Keine

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:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: BOTTOM 2 (H002046-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/07/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.8	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

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:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: BOTTOM 3 (H002046-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/07/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	90.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

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:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: BOTTOM 4 (H002046-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	82.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.4	% 42.2-15	6						

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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:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: BOTTOM 5 (H002046-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2020	ND	400	100	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	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	79.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: SW 1 (H002046-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/07/2020	ND	400	100	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	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	91.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/06/2020	Sampling Date:	08/03/2020
Reported:	08/07/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22-1H WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALAGA, NM		

Sample ID: SW 2 (H002046-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.09	
Toluene*	<0.050	0.050	08/06/2020	ND	1.72	86.0	2.00	1.50	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.74	87.0	2.00	1.23	
Total Xylenes*	<0.150	0.150	08/06/2020	ND	5.01	83.6	6.00	1.24	
Total BTEX	<0.300	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/07/2020	ND	400	100	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	08/06/2020	ND	204	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	08/06/2020	ND	217	109	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.6	% 42.2-15	6						

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Celey 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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101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Company Name: BBC International, Inc. BILL TO ANALYSIS REQUEST Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: State: NM zip: 88241 city: Hobbs Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project Owner: Oxy Project #: City: Project Name: Cedar Canyon 22-1H Well Battery State: Zip: Malaga, NM Project Location: Phone #: Sampler Name: Rogelio Limas Fax #: FOR LAB USE ONLY MATRIX PRESERV SAMPLING ナメリ 2 (G)RAB OR (C)OMP hlorid GROUNDWATER × # CONTAINERS WASTEWATER [1] Hdl Lab I.D. Sample I.D. ACID/BASE: ICE / COOI 187 SLUDGE OTHER : OTHER 1 SOIL OIL 400204 DATE TIME C Bottom 1 i 8:45am ~ 8/3/20 1 1 1/ 1 c 2 Bottom 2 C 8/3/20 1 9:00am 1 2 3 Bottom 3 t 1 8/3/20 1 1 9:10am 1 Bottom 4 C 8/3/20 1 1 9:20am -~ 1 ŧ Bottom 5 c / 1 8/3/20 9:30am 1 1 L 1 C -SW1 ~ 1 8/3/20 1 ١ 9:45am SW 2 C t 1 1 1 1 8/3/20 10:00am 1

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tote. In no event shall cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss or use, or loss or promis incurred by client, its subsidiaries, a test or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

□ No Add'l Phone #: Relinguished By: Received By: Phone Result: Yes Date □ Yes □ No Add'l Fax #: Fax Result: tenn Time REMARKS: Rush : Relinquished By Date: Received By: 6-20 enne Time: Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact (Initials) Ves Ves Sampler - UPS - Bus - Other: VO III

+ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 New Mexico
 GO

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- **Notice** The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.
- Introducing The Next Generation of USGS Water Data for the Nation
- Full News 🔊

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs

site_no list = • 321312103395601

Minimum number of levels = 1 Save file of selected sites to local disk for future upload

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83 Land-surface elevation 3,589.00 feet above NGVD29 The depth of the well is 60 feet below land surface. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1950-04-13		D	33.64			2		U		
1955-06-03		D	31.90			2	R	U		
1976-01-22		D	31.80			2		U		
1981-03-20		D	19.93			2		U		
1986-03-18		D	37.16			2		U		
1991-05-29		D	39.64			2		U		
1996-03-14		D	38.20			2		S		
2001-02-27		D	36.58			2		S		
2006-02-07	09:30 MST	m	19.40			2		S	USGS	
2010-12-16	15:30 MST	m	33.96			2		S	USGS	

Explanation						
Section	Code	Description				