

Closure Report

2RP-5524

Site Description

Site Name:	Height CC 6-7 Fed Com 34H	Incident ID: NRM2002750398
Company:	Oxy, Permian	
Legal Description:	U/L C, Section 25, T22S, R32E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.25374 W -104.02507	

Release Data

Date of Release:	11/26/2019
Type of Release:	Produced water
Source of Release:	3 inch poly line failure on south side of battery
Volume of Release:	30 bbls
Volume Recovered:	6 bbls

Remediation Specifications

Remediation Parameters:	Excavated the leak areas SP1 and SP2 to a depth of 1 foot. Excavated SP3 to a depth of 2 feet, and SP4 to a depth of 3 feet. Collected bottom and sidewall confirmation samples every 50 feet. The entire site was backfilled with clean soil.
Remediation Activities:	7-28-20 through 8-18-20

Plan Sent to OCD:	11/21/2019	Email from Cliff Brunson to OCD
OCD Approval of Plan:	3/18/2020	Email from Christina Eads to Wade Dittrich
Plan Sent to BLM:	N/A	
BLM Approval of Plan:	N/A	

Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 8/10/20	
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.

12/8/2020

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

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	
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 32.253745 Longitude 104.025071
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	HEIGHT CC 6-7 FED COM 34H	Site Type	WELL
Date Release Discovered	11-26-19	API# (if applicable)	30-015-45562

Unit Letter	Section	Township	Range	County
C	6	24S	29E	EDDY

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: OXY USA, INC)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) <u>1</u>	Volume Recovered (bbls) <u>0.75</u>
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>10</u>	Volume Recovered (bbls) <u>7</u>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

VALVE WAS NOT CLOSED ON SAND HOG

Form C-141

State of New Mexico
Oil Conservation Division


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Incident ID	
District RP	
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
Printed Name: <u>Wade Dittrich</u>	Title: <u>Environmental Coordinator</u>
Signature: <u></u>	Date: <u>12-11-19</u>
email: <u>wade_dittrich@oxy.com</u>	Telephone: <u>(575) 390-2828</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2002750398
District RP	2RP-5524
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 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 OCD District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 8-30-20
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Cristina Eads Date: 12/17/2020

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: 12/31/2020
Printed Name: Cristina Eads Title: Environmental Specialist

Oxy Height CC 6-7 Fed Com 34H

Leak Date: 11-26-2019

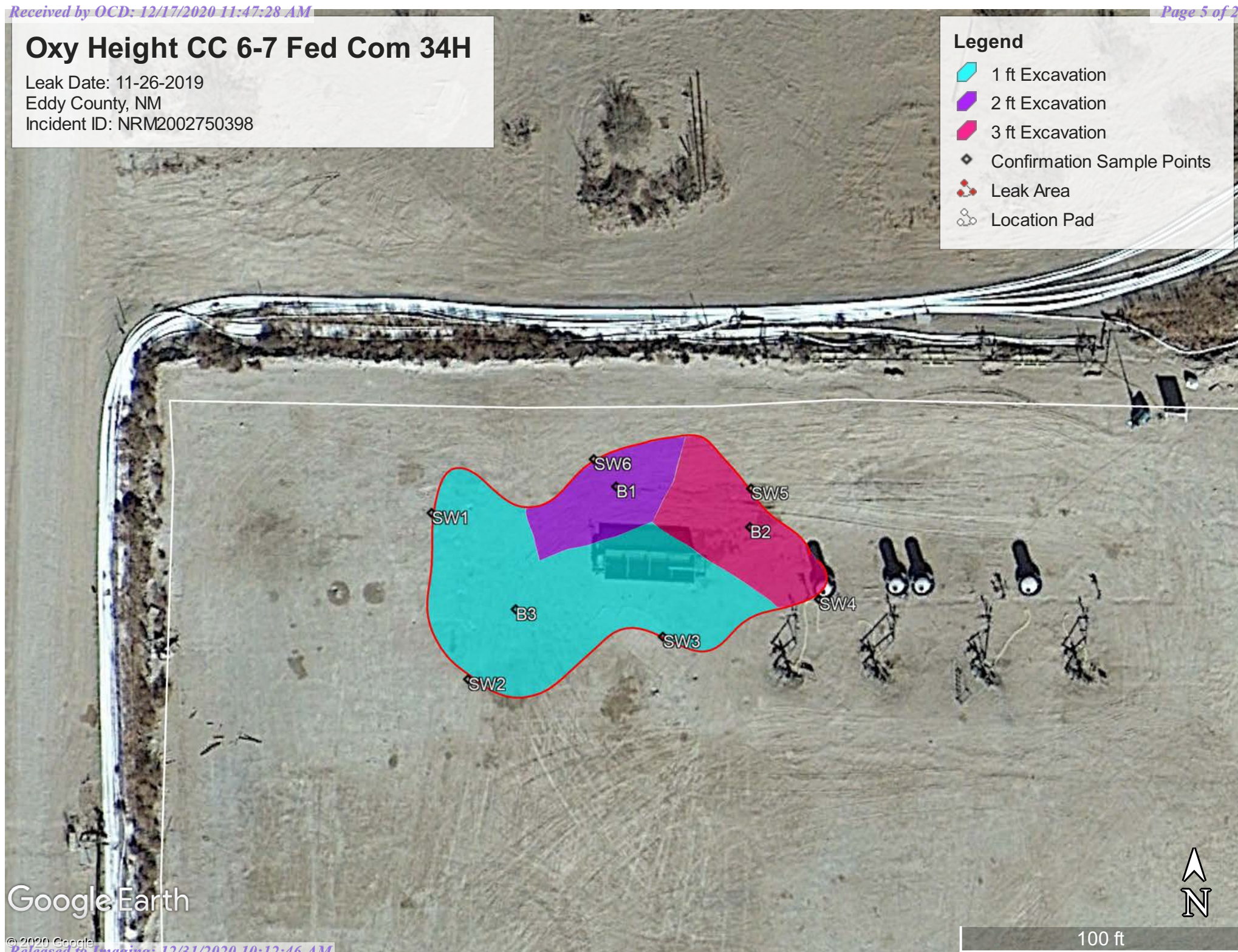
Eddy County, NM

Incident ID: NRM2002750398

Legend

- 1 ft Excavation
- 2 ft Excavation
- 3 ft Excavation
- Confirmation Sample Points
- Leak Area
- Location Pad

Google Earth











Laboratory Analytical Results Summary
Oxy, Height CC 6-7 #34H (11-26-19)

		Sample ID	SW1	SW2	SW3	SW4	SW5	SW6
Analyte	Method	Date	8/10/20	8/10/20	8/10/20	8/10/20	8/10/20	8/10/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	16.0	<16.0	<16.0	32.0	16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	B1	B2	B3
Analyte	Method	Date	8/10/20	8/10/20	8/10/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0



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

August 11, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HEIGHT CC 6-7

Enclosed are the results of analyses for samples received by the laboratory on 08/11/20 8:00.

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 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/11/2020	Sampling Type:	Soil
Project Name:	HEIGHT CC 6-7	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SIDEWALL - 1 (H002069-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902	
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673	
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03	
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856	
Total BTEX	<0.300	0.300	08/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL - 2 (H002069-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902		
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673		
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03		
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856		
Total BTEx	<0.300	0.300	08/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL - 3 (H002069-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902	
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673	
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03	
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856	
Total BTX	<0.300	0.300	08/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL - 4 (H002069-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902		
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673		
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03		
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856		
Total BTEx	<0.300	0.300	08/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL - 5 (H002069-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902	
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673	
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03	
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856	
Total BTX	<0.300	0.300	08/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL - 6 (H002069-06)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902		
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673		
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03		
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856		
Total BTX	<0.300	0.300	08/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM - 1 (H002069-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902	
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673	
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03	
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856	
Total BTX	<0.300	0.300	08/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 08/11/2020
 Reported: 08/11/2020
 Project Name: HEIGHT CC 6-7
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM - 2 (H002069-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902	
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673	
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03	
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856	
Total BTX	<0.300	0.300	08/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/11/2020	ND	432	108	400	3.77	

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/11/2020	Sampling Type:	Soil
Project Name:	HEIGHT CC 6-7	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: BOTTOM - 3 (H002069-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2020	ND	2.05	103	2.00	0.902		
Toluene*	<0.050	0.050	08/11/2020	ND	2.05	102	2.00	0.673		
Ethylbenzene*	<0.050	0.050	08/11/2020	ND	2.07	104	2.00	1.03		
Total Xylenes*	<0.150	0.150	08/11/2020	ND	5.94	99.0	6.00	0.856		
Total BTEx	<0.300	0.300	08/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/11/2020	ND	432	108	400	3.77		

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	08/11/2020	ND	192	96.1	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/11/2020	ND	180	90.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	08/11/2020	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.9 % 42.2-156

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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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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

121

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> TPH BTEx CL- </div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs		State: NM Zip: 88241		Attn:															
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:															
Project #:		Project Owner: OKY		City:															
Project Name: HIEGHT CC 6-7				State: Zip:															
Project Location:				Phone #:															
Sampler Name: Roger Hernandez				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME							
H002069																			
1 SIDEWALL . 1												8.10.20 945							
2 SIDEWALL . 2												8.10.20 1000							
3 SIDEWALL . 3												8.10.20 1015							
4 SIDEWALL . 4												8.10.20 1030							
5 SIDEWALL . 5												8.10.20 1045							
6 SIDEWALL . 6												8.10.20 1100							
7 BOTTOM . 1												8.10.20 1120							
8 BOTTOM . 2												8.10.20 1140							
9 BOTTOM . 3												8.10.20 1200							

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Relinquished By: <i>Roger Hernandez</i>		Date: <i>8-10-20</i>	Received By: <i>Samara Alda</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: <i>8:00</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Date:	Received By:	REMARKS: <i>Rush!</i>	
Sampler - UPS - Bus - Other:		Time:			
8.3c #113		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <i>TO</i>	

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

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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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Agency code = usgs
site_no list =

- 321355104012001

Minimum number of levels = 1
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USGS 321355104012001 24S.29E.07.14444

Eddy County, New Mexico
Latitude 32°13'55", Longitude 104°01'20" NAD27
Land-surface elevation 2,983 feet above NAVD88
The depth of the well is 160 feet below land surface.
This well is completed in the Castile Formation (312CSTL) 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
1983-02-01		D	47.14			2			U	
1987-10-16		D	51.84			2			U	
1988-02-11		D	52.19			2			U	
1992-10-20		D	51.78			2			S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2019-12-10 11:51:06 EST

3.86 0.25 nadww02

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 12497

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	12497	Action Type:	C-141
OCD Reviewer									Condition
ceads									None