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DELINEATION/REMEDIATION WORKPLAN

OXY – CYPRESS 33-1 (Leak Date: 10/25/20)

Incident Reference #: NRM2033658364

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2033658364.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram.

The leak area near SP1 (LIGHT BLUE shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP2 (YELLOW shade on diagram) will be excavated to a depth of 10 feet. The leak area near SP3 (PINK shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4, SP6, and SP7 (LIME GREEN shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP5 (MED BLUE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP8 and SP9 (DARK BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP10 (RED shade on diagram) will be excavated to a depth of 8 feet. The leak area SP11 (WHITE shade on diagram) will be excavated to a depth of 7 feet. The leak area near SP 12 (PURPLE shade on diagram) will be excavated to a depth of 9 feet. The leak area near SP 13 (BLUE/GREEN shade on diagram) will require zero remediation. The leak area near SP14 (BROWN shade on diagram) will be excavated to a depth of 2 feet.

In addition, OXY requests a variance per 19.15.29.14 NMAC to collect sidewall and bottom confirmation samples every 400 square feet due to the length of the excavation site. The estimated amount of soil to be excavated is 1,918 cubic yards. The remediation will be completed within 90 days of approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2033658364
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	35 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? medium potential	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

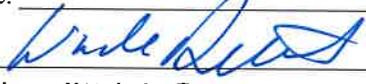
Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2033658364
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Application ID	

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: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 5-29-21
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2033658364
District RP	
Facility ID	
Application ID	

Remediation Plan

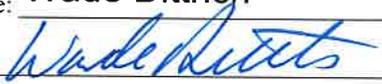
Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 5-19-21
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

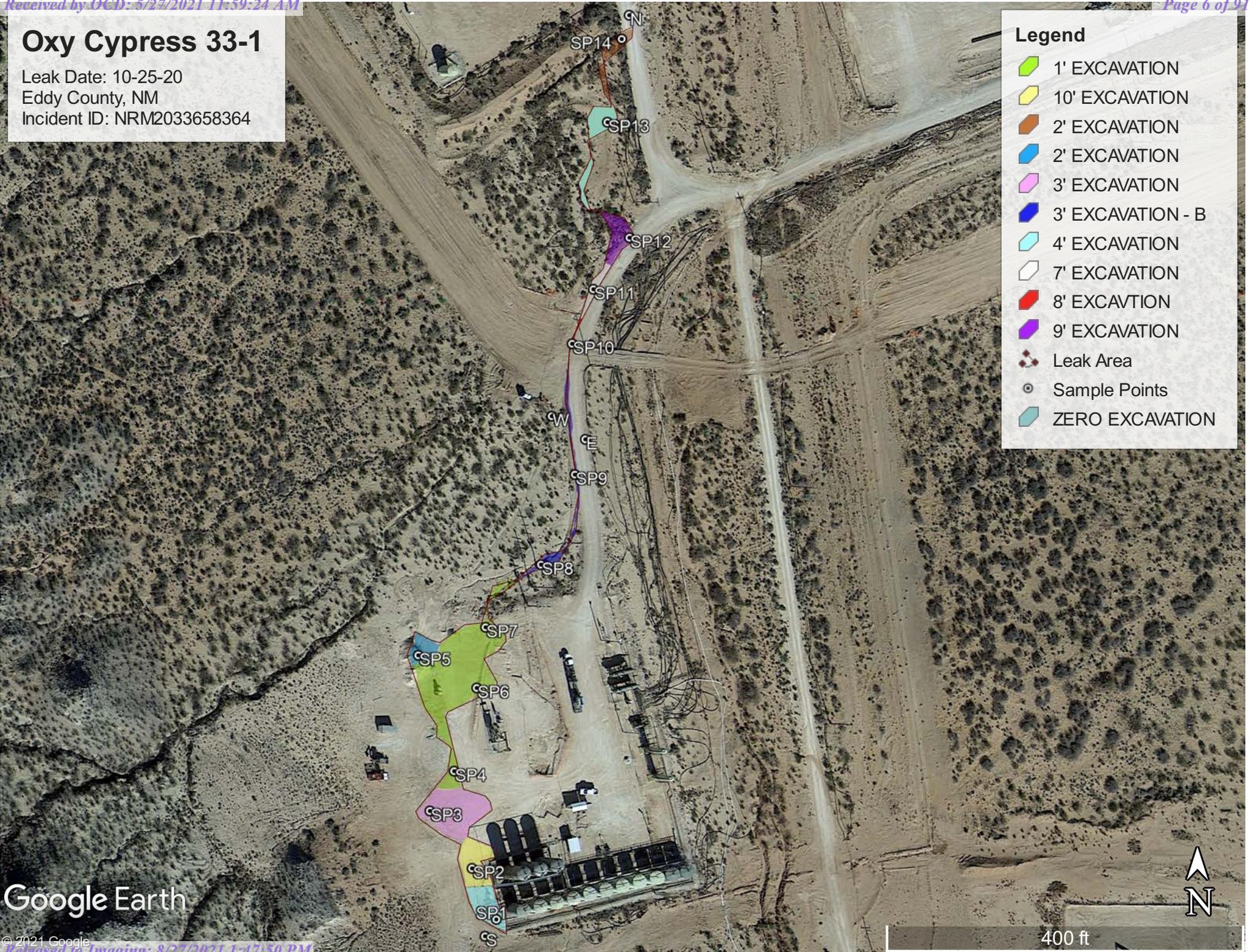
Signature: _____ Date: _____

Oxy Cypress 33-1

Leak Date: 10-25-20
Eddy County, NM
Incident ID: NRM2033658364

Legend

-  1' EXCAVATION
-  10' EXCAVATION
-  2' EXCAVATION
-  2' EXCAVATION
-  3' EXCAVATION
-  3' EXCAVATION - B
-  4' EXCAVATION
-  7' EXCAVATION
-  8' EXCAVATION
-  9' EXCAVATION
-  Leak Area
-  Sample Points
-  ZERO EXCAVATION



Google Earth



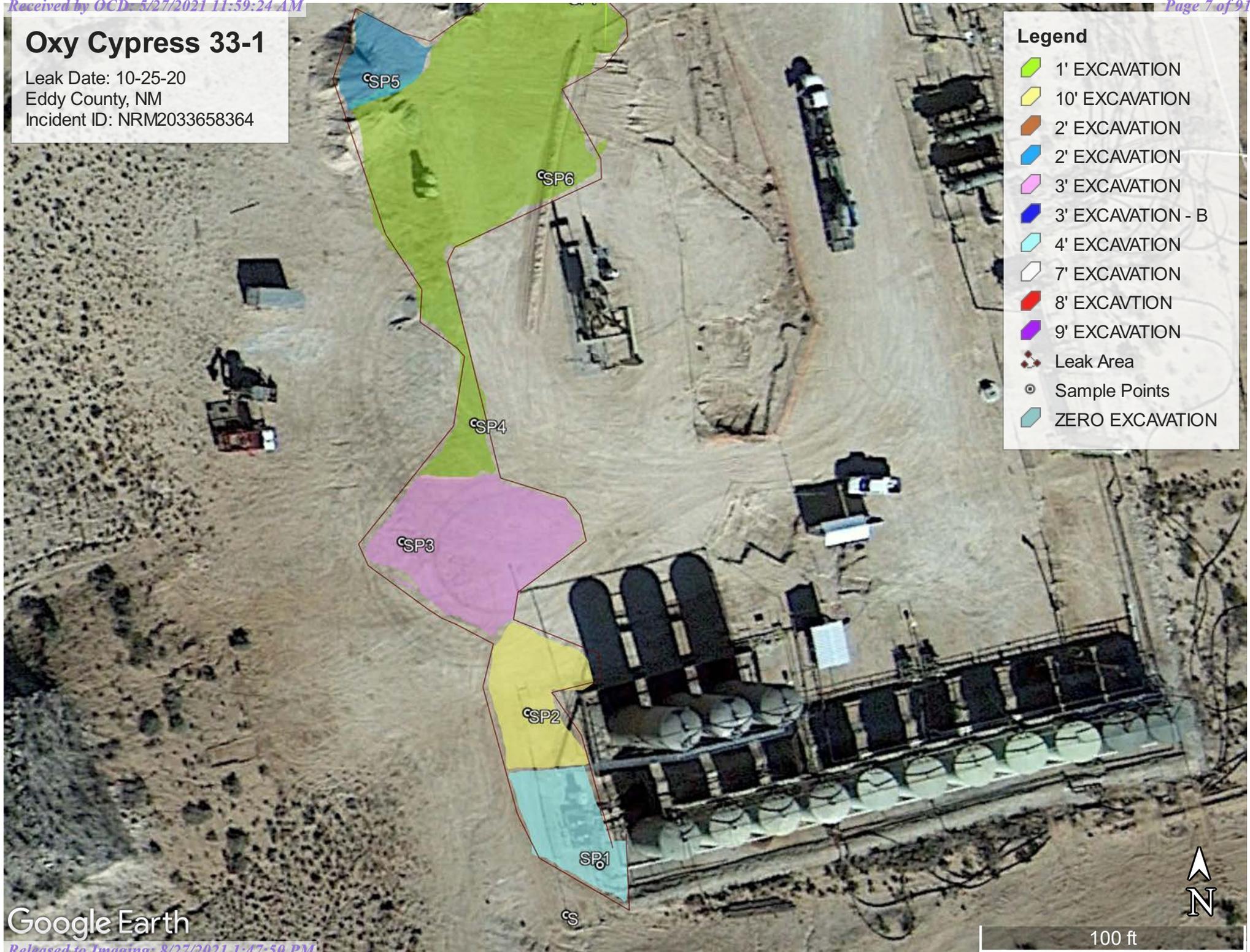
400 ft

Oxy Cypress 33-1

Leak Date: 10-25-20
Eddy County, NM
Incident ID: NRM2033658364

Legend

- 1' EXCAVATION
- 10' EXCAVATION
- 2' EXCAVATION
- 2' EXCAVATION
- 3' EXCAVATION
- 3' EXCAVATION - B
- 4' EXCAVATION
- 7' EXCAVATION
- 8' EXCAVATION
- 9' EXCAVATION
- Leak Area
- Sample Points
- ZERO EXCAVATION

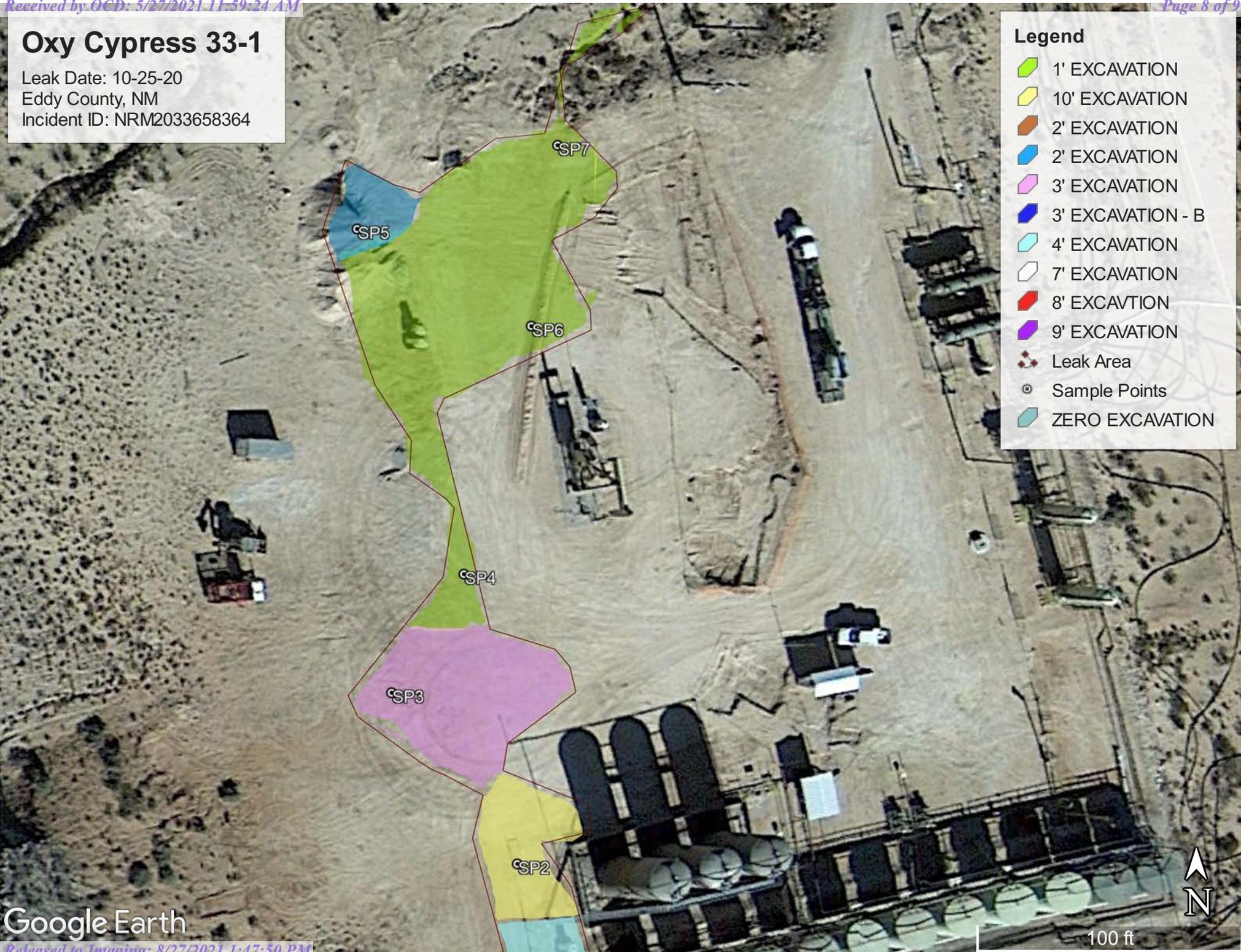


Oxy Cypress 33-1

Leak Date: 10-25-20
Eddy County, NM
Incident ID: NRM2033658364

Legend

-  1' EXCAVATION
-  10' EXCAVATION
-  2' EXCAVATION
-  2' EXCAVATION
-  3' EXCAVATION
-  3' EXCAVATION - B
-  4' EXCAVATION
-  7' EXCAVATION
-  8' EXCAVATION
-  9' EXCAVATION
-  Leak Area
-  Sample Points
-  ZERO EXCAVATION

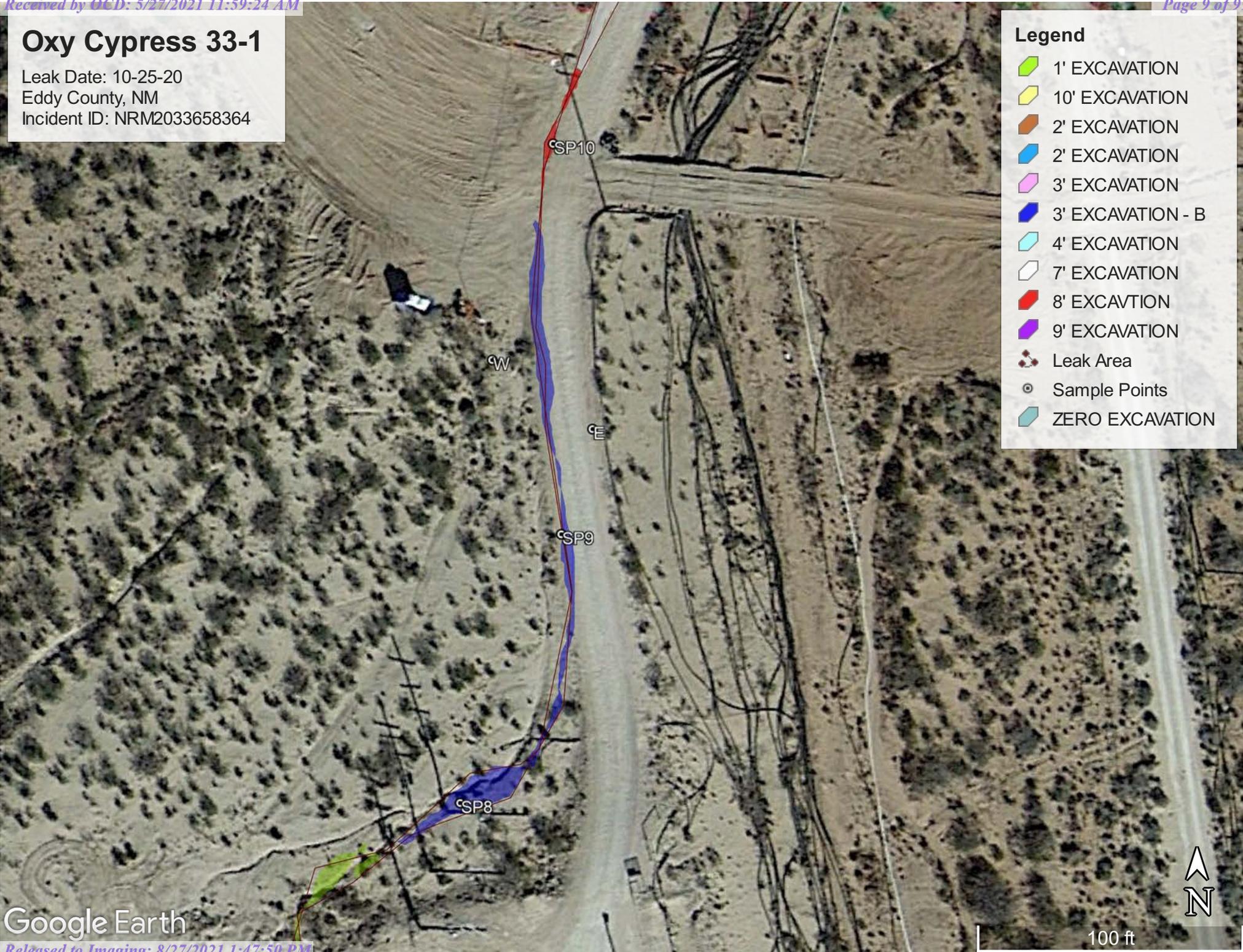


Oxy Cypress 33-1

Leak Date: 10-25-20
Eddy County, NM
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Legend

-  1' EXCAVATION
-  10' EXCAVATION
-  2' EXCAVATION
-  2' EXCAVATION
-  3' EXCAVATION
-  3' EXCAVATION - B
-  4' EXCAVATION
-  7' EXCAVATION
-  8' EXCAVATION
-  9' EXCAVATION
-  Leak Area
-  Sample Points
-  ZERO EXCAVATION

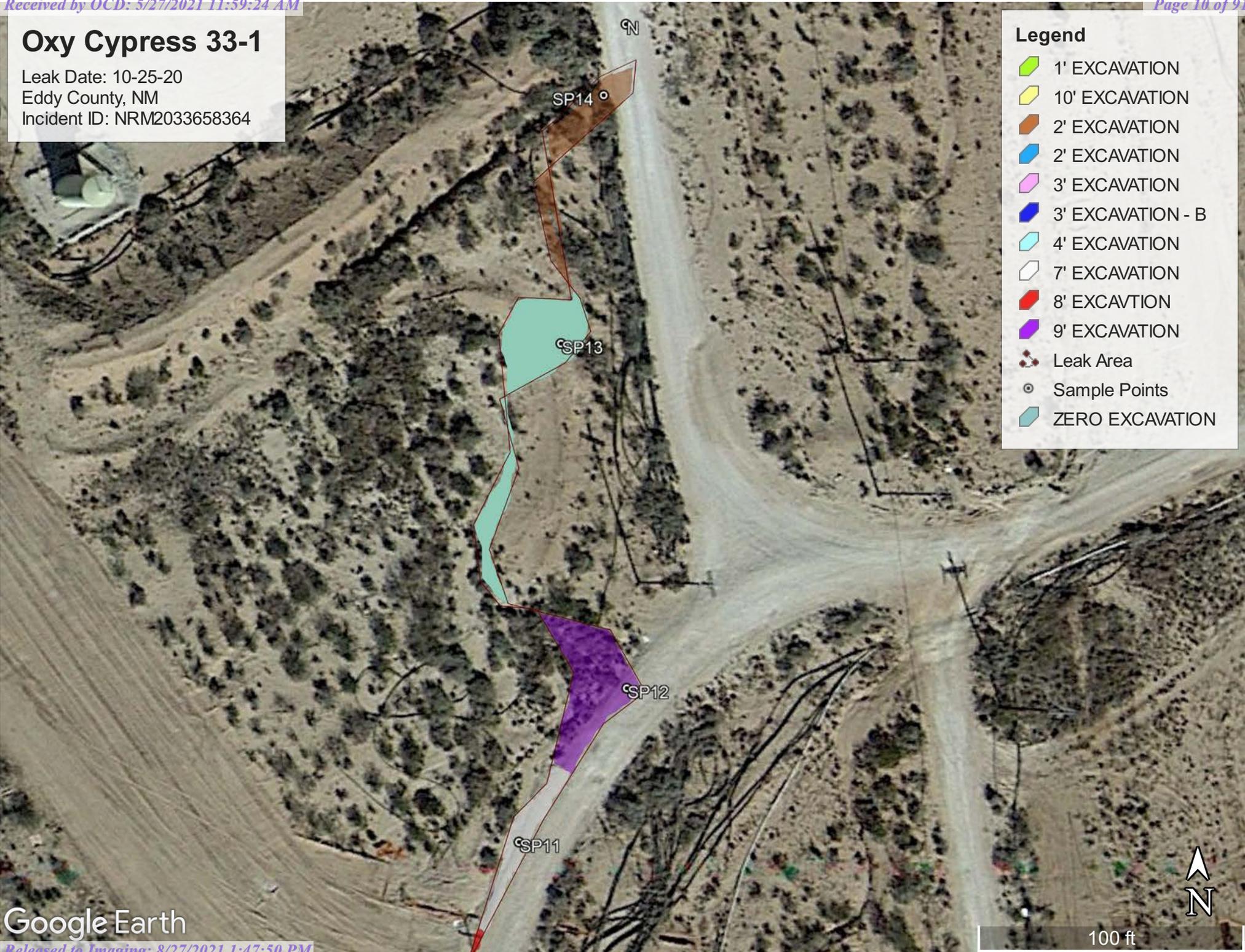


Oxy Cypress 33-1

Leak Date: 10-25-20
Eddy County, NM
Incident ID: NRM2033658364

Legend

-  1' EXCAVATION
-  10' EXCAVATION
-  2' EXCAVATION
-  2' EXCAVATION
-  3' EXCAVATION
-  3' EXCAVATION - B
-  4' EXCAVATION
-  7' EXCAVATION
-  8' EXCAVATION
-  9' EXCAVATION
-  Leak Area
-  Sample Points
-  ZERO EXCAVATION



SAMPLE POINTS – CYPRESS 33-1 (10-25-20)

SP1- N 32.255334	W 103.982073
SP2 - N 32.255490	W103.982161
SP3 – N 32.255666	W 103.982314
SP4 - N 32.255788	W 103.982226
SP5 – N 32.25614	W 103.982356
SP6 – N 32.256043	W 103.982144
SP7 - N 32.256229	W 103.982112
SP8 - N 32.256421	W 103.981911
SP9 -N 32.256697	W 103.981788
SP10 -N 32.257098	W 103.981798
SP11 -N32.257265	W 103.981721
SP12 -N 32.257423	W 103.981590
SP13 -N 32.257777	W 103.981670
SP14 -N 32.258032	W 103.981618
SP N –N 32.258105	W 103.981591
SP S - N 32.255282	W 103.982114
SP E - N 32.256805	W 103.981750
SP W-N 32.256876	W 103.981872

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	11/25/20	11/25/20	11/25/20	11/25/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/25/20	11/25/20	11/25/20	11/25/20	3/31/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	<0.300
Chloride	SM4500Cl-B		17600	1180	1410	944	400.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	<10.0
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	<10.0

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'	SP2 @ 8'	SP2 @ 9'	SP2 @ 10'
Analyte	Method	Date	11/25/20	11/25/20	11/25/20	11/25/20	11/25/20	11/25/20	11/25/20	12/18/20	12/18/20	12/18/20	12/18/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		17600	17600	10800	12400	13200	30000	17200	3880	3240	1020	96.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		5460	44.5	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		1340	34.8	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	11/30/20	11/30/20	11/30/20	11/30/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		26800	5600	656	304
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/30/20	11/30/20	11/30/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		23000	112	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		31.9	<10.0	n/a
EXT DRO	TPH 8015M		11.1	<10.0	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	11/30/20	11/30/20	11/30/20	11/30/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		57600	2840	368	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		11.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	11/30/20	11/30/20	11/30/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		27600	336	96.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'
Analyte	Method	Date	11/30/20	11/30/20	11/30/20	11/30/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		17600	416	464	96.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		55.2	<10.0	n/a	n/a
EXT DRO	TPH 8015M		20.4	<10.0	n/a	n/a

Analyte	Method	Sample ID	SP8 @	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'
			Surface				
Date			12/1/20	12/1/20	12/1/20	12/1/20	12/1/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		34000	6400	2040	368	240
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		11.3	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

Analyte	Method	Sample ID	SP9 @	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'
			Surface				
Date			12/1/20	12/1/20	12/1/20	12/1/20	12/1/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		23600	9060	6240	288	224
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

Analyte	Method	Sample ID	SP10 @	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'	SP10 @ 4'	SP10 @ 5'	SP10 @ 6'	SP10 @ 7'	SP10 @ 8'
			Surface								
Date			12/1/20	12/1/20	12/1/20	12/1/20	12/1/20	12/1/20	12/3/20	12/3/20	12/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		10300	9200	9060	9400	6400	2880	1150	624	224
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		17.2	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

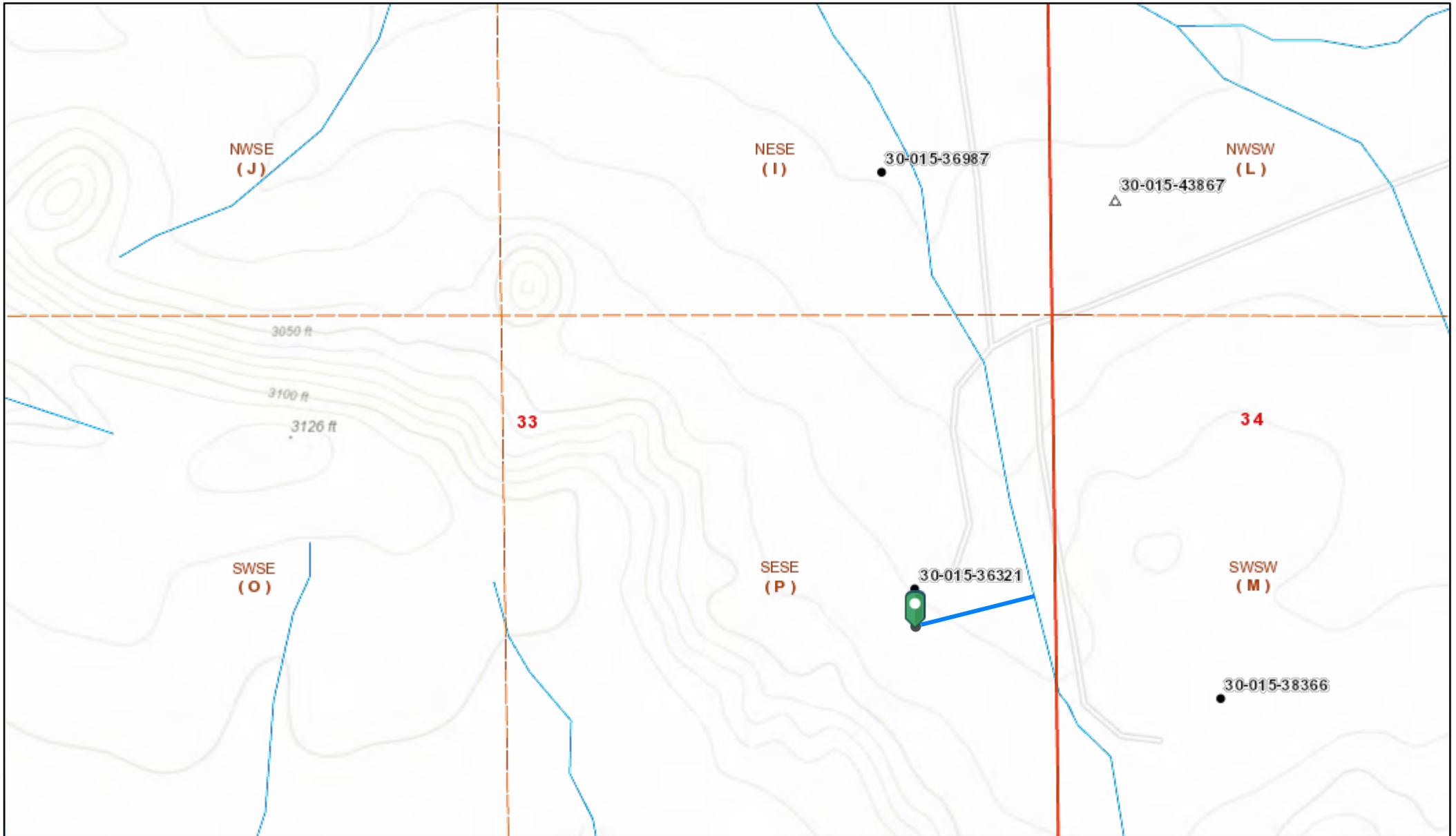
Analyte	Method	Sample ID	SP11 @	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'	SP11 @ 4'	SP11 @ 5'	SP11 @ 6'	SP11 @ 7'
			Surface							
Date			12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		23600	6880	9600	5730	1810	496	640	176
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'	SP12 @ 4'	SP12 @ 5'	SP12 @ 6'	SP12 @ 7'	SP12 @ 8'
Analyte	Method	Date	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20	12/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		6000	10400	12000	8800	1790	1100	592	640	96.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		27.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'
Analyte	Method	Date	12/18/20	12/18/20	12/18/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		32.0	32.0	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

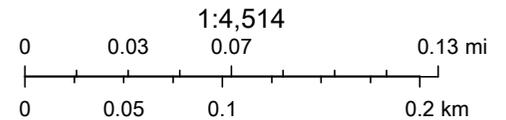
		Sample ID	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'	SP14 @ 3'
Analyte	Method	Date	12/18/20	12/18/20	12/18/20	12/18/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		4880	4800	192	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

Oxy Cypress 33-1 Well Battery (10-25-2020) 300 ft to h2o



11/9/2020, 10:32:07 AM

- | | | | | |
|---------------------|----------------------------|----------------|----------------------------|--------------------|
| Wells - Large Scale | CO2, Cancelled | Gas, Active | Gas, Temporarily Abandoned | Injection, Plugged |
| ? undefined | CO2, New | Gas, Cancelled | Injection, Active | |
| Miscellaneous | CO2, Plugged | Gas, New | Injection, Cancelled | |
| CO2 Active | Gas, Temporarily Abandoned | Gas, Plugged | Injection, New | |



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD, Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, BLM

BLM CAVE KARST MAP

Cypress 33-1

Leak Date: 10-25-2020
Eddy County, NM

Legend

-  Leak Area
-  Medium Potential



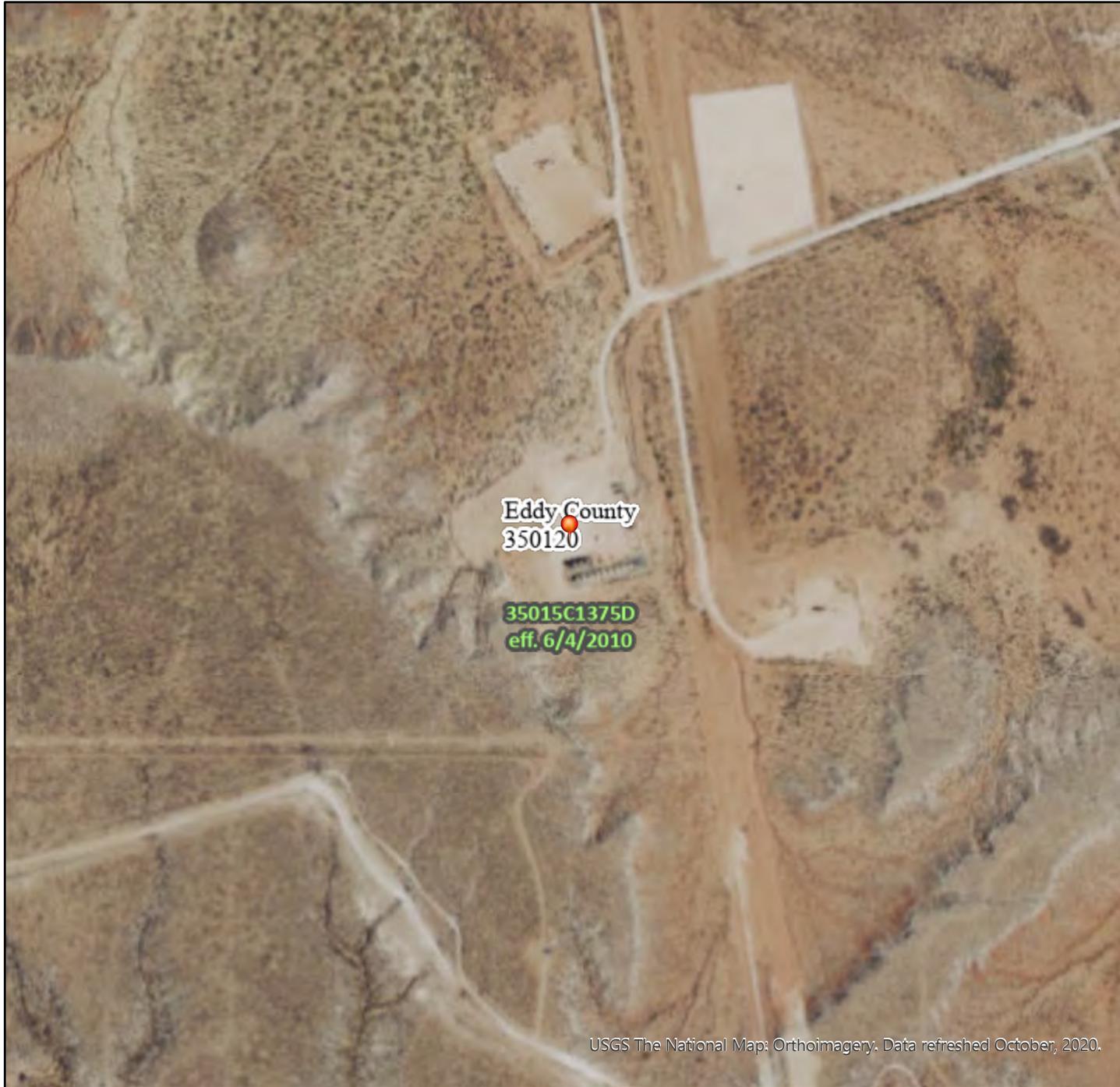
1000 ft



National Flood Hazard Layer FIRMette



103°59'14"W 32°15'35"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| MAP PANELS | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



USGS The National Map: Orthoimagery. Data refreshed October, 2020.

Released to Imaging: 8/27/2021 4:07:50 PM 1,500 2,000 1:6,000

103°58'37"W 32°15'5"N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/16/2020 at 1:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- **UPDATE** November 6, 2020 5:00 pm ET: A fix has been deployed for the issue impacting the delivery of real-time data to NWISWeb which occurred on November 1, 2020. Any remaining gaps in web display are being filled at this time. We apologize for any inconvenience this may have caused.
- Explore the **NEW USGS National Water Dashboard** to access real-time data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 321615104014601

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321615104014601 23S.29E.30.331322

Eddy County, New Mexico
 Latitude 32°16'15", Longitude 104°01'46" NAD27
 Land-surface elevation 2,962 feet above NAVD88
 The depth of the well is 89 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 measurement
1954-11-08		D	35.62			2		U		

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	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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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-11-09 12:38:59 EST

0.28 0.26 nadww01



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

December 30, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 33 - 1 WELL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/23/20 16:00.

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.

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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 2 @ 7' (H003340-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	12/29/2020	ND	400	100	400	0.00	

Sample ID: SP 2 @ 8' (H003340-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	12/29/2020	ND	400	100	400	0.00	

Sample ID: SP 2 @ 9' (H003340-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	12/29/2020	ND	400	100	400	0.00	

Sample ID: SP 2 @ 10' (H003340-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/29/2020	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 13 @ SURFACE (H003340-05)

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	12/28/2020	ND	2.05	103	2.00	1.16	
Toluene*	<0.050	0.050	12/28/2020	ND	1.98	99.2	2.00	1.07	
Ethylbenzene*	<0.050	0.050	12/28/2020	ND	2.07	103	2.00	0.823	
Total Xylenes*	<0.150	0.150	12/28/2020	ND	5.92	98.6	6.00	0.659	
Total BTEX	<0.300	0.300	12/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/29/2020	ND	400	100	400	0.00	

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	12/29/2020	ND	192	96.0	200	7.51	
DRO >C10-C28*	<10.0	10.0	12/29/2020	ND	213	107	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	12/29/2020	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 13 @ 1' (H003340-06)

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	12/28/2020	ND	2.05	103	2.00	1.16	
Toluene*	<0.050	0.050	12/28/2020	ND	1.98	99.2	2.00	1.07	
Ethylbenzene*	<0.050	0.050	12/28/2020	ND	2.07	103	2.00	0.823	
Total Xylenes*	<0.150	0.150	12/28/2020	ND	5.92	98.6	6.00	0.659	
Total BTEX	<0.300	0.300	12/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/29/2020	ND	400	100	400	0.00	

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	12/29/2020	ND	192	96.0	200	7.51	
DRO >C10-C28*	<10.0	10.0	12/29/2020	ND	213	107	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	12/29/2020	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 13 @ 2' (H003340-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/29/2020	ND	400	100	400	0.00	

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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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 14 @ SURFACE (H003340-08)

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	12/28/2020	ND	2.05	103	2.00	1.16	
Toluene*	<0.050	0.050	12/28/2020	ND	1.98	99.2	2.00	1.07	
Ethylbenzene*	<0.050	0.050	12/28/2020	ND	2.07	103	2.00	0.823	
Total Xylenes*	<0.150	0.150	12/28/2020	ND	5.92	98.6	6.00	0.659	
Total BTEX	<0.300	0.300	12/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	12/29/2020	ND	400	100	400	0.00	

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	12/29/2020	ND	192	96.0	200	7.51	
DRO >C10-C28*	<10.0	10.0	12/29/2020	ND	213	107	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	12/29/2020	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 14 @ 1' (H003340-09)

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	12/28/2020	ND	2.05	103	2.00	1.16	
Toluene*	<0.050	0.050	12/28/2020	ND	1.98	99.2	2.00	1.07	
Ethylbenzene*	<0.050	0.050	12/28/2020	ND	2.07	103	2.00	0.823	
Total Xylenes*	<0.150	0.150	12/28/2020	ND	5.92	98.6	6.00	0.659	
Total BTEX	<0.300	0.300	12/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	12/29/2020	ND	400	100	400	0.00	

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	12/29/2020	ND	192	96.0	200	7.51	
DRO >C10-C28*	<10.0	10.0	12/29/2020	ND	213	107	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	12/29/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 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:	12/23/2020	Sampling Date:	12/18/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 14 @ 2' (H003340-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/29/2020	ND	400	100	400	0.00	

Sample ID: SP 14 @ 3' (H003340-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/29/2020	ND	400	100	400	0.00	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(1 of 2)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:
Project Manager: Cliff Brunson		Company: OXY
Address: P.O. Box 805		Attn: WADE
City: Hobbs	State: NM Zip: 88241	Address:
Phone #: 575-397-6388	Fax #: 575-397-0397	City:
Project #:	Project Owner: Oxy	State:
Project Name: CYPRESS 33-1 WELL BATTERY (10-26-20)		Zip:
Project Location: EDDY COUNTY, NM		Phone #:
Sampler Name: Simon Rendon		Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H003340	1	G	1							12-18-20	9:40 AM	✓		
	2									12-18-20	10:07 AM	✓		
	3									12-18-20	10:37 AM	✓		
	4									12-18-20	10:56 AM	✓		
	5									12-18-20	11:17 AM	✓		
	6									12-18-20	11:41 AM	✓		
	7									12-18-20	12:04 PM	✓		
	8									12-18-20	1:03 PM	✓		
	9									12-18-20	1:23 PM	✓		
	10									12-18-20	1:40 PM	✓		

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Retrieved By: <i>Simon Rendon</i>	Date: 12-23-20	Time: 8:00 AM	Received By: <i>Simone Blake</i>	Date: 12-23-20	Time: 4:00 PM
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: -6.7c #113	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <i>YB.</i> (Initials)		

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(292)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: CYPRESS 33-1 WELL BATTERY (10-26-20)
 Project Location: EDDY COUNTY, NM
 Sampler Name: Simon Rendon
 P.O. #: Company: OXY
 Attn: WADE
 Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H003340 11	SP14 @ 3'	G	1							12-18-20	2:00 PM	✓		

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Retriumphed By: *Simon Rendon* Date: 12-23-20 Time: 8:00 AM
 Received By: *Cliff Brunson*
 Delivered By: (Circle One) UPS Bus Other: _____
 Sample Condition: Cool Intact
 Yes No Yes No
 CHECKED BY: _____
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:

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



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

December 10, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 33 - 1 WELL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/04/20 15:15.

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".

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:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: N @ SURFACE (H003189-01)

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	12/07/2020	ND	2.13	107	2.00	6.87		
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60		
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61		
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30		
Total BTEX	<0.300	0.300	12/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/08/2020	ND	432	108	400	0.00		

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	12/07/2020	ND	234	117	200	0.000862		
DRO >C10-C28*	<10.0	10.0	12/07/2020	ND	231	115	200	0.149		
EXT DRO >C28-C36	<10.0	10.0	12/07/2020	ND						

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 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:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: E @ SURFACE (H003189-02)

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	12/07/2020	ND	2.13	107	2.00	6.87	
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/07/2020	ND	234	117	200	0.000862	
DRO >C10-C28*	<10.0	10.0	12/07/2020	ND	231	115	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/07/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: W @ SURFACE (H003189-03)

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	12/07/2020	ND	2.13	107	2.00	6.87	
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/07/2020	ND	234	117	200	0.000862	
DRO >C10-C28*	<10.0	10.0	12/07/2020	ND	231	115	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/07/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 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:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: S @ SURFACE (H003189-04)

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	12/07/2020	ND	2.13	107	2.00	6.87	
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/07/2020	ND	234	117	200	0.000862	
DRO >C10-C28*	<10.0	10.0	12/07/2020	ND	231	115	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/07/2020	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.9 % 42.2-156

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* = Accredited Analyte

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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:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 1 @ SURFACE (H003189-05)

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	12/07/2020	ND	2.13	107	2.00	6.87		
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60		
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61		
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30		
Total BTEX	<0.300	0.300	12/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17600	16.0	12/08/2020	ND	432	108	400	0.00		

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	12/08/2020	ND	239	120	200	0.00418		
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541		
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND						

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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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:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 1 @ 1' (H003189-06)

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	12/07/2020	ND	2.13	107	2.00	6.87	
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 1 @ 2' (H003189-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	12/08/2020	ND	432	108	400	0.00	

Sample ID: SP 1 @ 3' (H003189-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	12/08/2020	ND	432	108	400	0.00	

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Received:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 2 @ SURFACE (H003189-09)

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	12/07/2020	ND	2.13	107	2.00	6.87	
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	39600	16.0	12/08/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	239	120	200	0.00418		
DRO >C10-C28*	5460	10.0	12/08/2020	ND	238	119	200	0.541		
EXT DRO >C28-C36	1340	10.0	12/08/2020	ND						

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 313 % 42.2-156

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 2 @ 1' (H003189-10)

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	12/07/2020	ND	2.13	107	2.00	6.87	
Toluene*	<0.050	0.050	12/07/2020	ND	2.06	103	2.00	6.60	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.15	108	2.00	7.61	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	6.12	102	6.00	7.30	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	44.5	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	34.8	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 2 @ 2' (H003189-11)

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	12/07/2020	ND	2.01	100	2.00	7.26	QR-03
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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Analytical Results For:

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

Received:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 2 @ 3' (H003189-12)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/25/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 2 @ 4' (H003189-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	12/08/2020	ND	432	108	400	0.00	

Sample ID: SP 2 @ 5' (H003189-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30000	16.0	12/08/2020	ND	432	108	400	0.00	

Sample ID: SP 2 @ 6' (H003189-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	12/08/2020	ND	432	108	400	0.00	

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Analytical Results For:

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

Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 3 @ SURFACE (H003189-16)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26800	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.2 % 42.2-156

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 3 @ 1' (H003189-17)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	12/08/2020	ND	432	108	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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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:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 3 @ 2' (H003189-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/08/2020	ND	432	108	400	0.00	

Sample ID: SP 3 @ 3' (H003189-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/08/2020	ND	416	104	400	0.00	

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 4 @ SURFACE (H003189-20)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23000	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	31.9	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	11.1	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Analytical Results For:

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Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 4 @ 1' (H003189-21)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 4 @ 2' (H003189-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/08/2020	ND	416	104	400	0.00	

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Analytical Results For:

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Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 5 @ SURFACE (H003189-23)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	57600	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	11.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 5 @ 1' (H003189-24)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 5 @ 2' (H003189-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 5 @ 3' (H003189-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/08/2020	ND	416	104	400	0.00	

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Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 6 @ SURFACE (H003189-27)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27600	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.6 % 42.2-156

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Analytical Results For:

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Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 6 @ 1' (H003189-28)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.9 % 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:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 6 @ 2' (H003189-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/08/2020	ND	416	104	400	0.00	

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Received:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 7 @ SURFACE (H003189-30)

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	12/07/2020	ND	2.01	100	2.00	7.26		
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58		
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92		
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76		
Total BTEX	<0.300	0.300	12/07/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17600	16.0	12/08/2020	ND	416	104	400	0.00		

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	12/08/2020	ND	239	120	200	0.00418		
DRO >C10-C28*	55.2	10.0	12/08/2020	ND	238	119	200	0.541		
EXT DRO >C28-C36	20.4	10.0	12/08/2020	ND						

Surrogate: 1-Chlorooctane 98.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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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:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 7 @ 1' (H003189-31)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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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:	12/04/2020	Sampling Date:	11/30/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 7 @ 2' (H003189-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 7 @ 3' (H003189-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/08/2020	ND	416	104	400	0.00	

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Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 8 @ SURFACE (H003189-34)

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	12/07/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/07/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/07/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/07/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/07/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	11.3	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.7 % 42.2-156

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Analytical Results For:

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 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 8 @ 1' (H003189-35)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

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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:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 8 @ 2' (H003189-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 8 @ 3' (H003189-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 8 @ 4' (H003189-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/08/2020	ND	416	104	400	0.00	

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 9 @ SURFACE (H003189-39)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	12/08/2020	ND	416	104	400	0.00	QM-07

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.3 % 42.2-156

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 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 9 @ 1' (H003189-40)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	239	120	200	0.00418	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	238	119	200	0.541	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 9 @ 2' (H003189-41)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 9 @ 3' (H003189-42)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 9 @ 4' (H003189-43)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/08/2020	ND	416	104	400	0.00	

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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:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 10 @ SURFACE (H003189-44)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	17.2	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.9 % 42.2-156

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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:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 10 @ 1' (H003189-45)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.0 % 42.2-156

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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:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 10 @ 2' (H003189-46)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 3' (H003189-47)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9400	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 4' (H003189-48)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 5' (H003189-49)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 6' (H003189-50)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	12/08/2020	ND	416	104	400	0.00	

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Analytical Results For:

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Received:	12/04/2020	Sampling Date:	12/03/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 10 @ 7' (H003189-51)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 8' (H003189-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/08/2020	ND	416	104	400	0.00	

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Received:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 11 @ SURFACE (H003189-53)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.6 % 42.2-156

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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:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 11 @ 1' (H003189-54)

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	12/08/2020	ND	2.01	100	2.00	7.26	
Toluene*	<0.050	0.050	12/08/2020	ND	1.93	96.5	2.00	7.58	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.01	101	2.00	8.92	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.71	95.1	6.00	8.76	
Total BTEX	<0.300	0.300	12/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	12/08/2020	ND	416	104	400	0.00	

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	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 42.2-156

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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:	12/04/2020	Sampling Date:	12/01/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 11 @ 2' (H003189-55)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 11 @ 3' (H003189-56)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5730	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 11 @ 4' (H003189-57)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 11 @ 5' (H003189-58)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/08/2020	ND	416	104	400	0.00	

Sample ID: SP 11 @ 6' (H003189-59)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	12/08/2020	ND	400	100	400	0.00	

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Analytical Results For:

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

Received:	12/04/2020	Sampling Date:	12/03/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 11 @ 7' (H003189-60)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/08/2020	ND	400	100	400	0.00	

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Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/03/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 12 @ SURFACE (H003189-61)

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	12/08/2020	ND	1.95	97.4	2.00	7.27	QR-03
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/08/2020	ND	400	100	400	0.00	

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	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	27.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Analytical Results For:

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Fax To: (575) 397-0397

Received:	12/04/2020	Sampling Date:	12/03/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 12 @ 1' (H003189-62)

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	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	12/08/2020	ND	400	100	400	0.00	

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	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.7 % 42.2-156

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* = Accredited Analyte

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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:	12/04/2020	Sampling Date:	12/03/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 12 @ 2' (H003189-63)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	12/08/2020	ND	400	100	400	0.00	

Sample ID: SP 12 @ 3' (H003189-64)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	12/08/2020	ND	400	100	400	0.00	

Sample ID: SP 12 @ 4' (H003189-65)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	12/08/2020	ND	400	100	400	0.00	

Sample ID: SP 12 @ 5' (H003189-66)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	12/08/2020	ND	400	100	400	0.00	

Sample ID: SP 12 @ 6' (H003189-67)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/08/2020	ND	400	100	400	0.00	

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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:	12/04/2020	Sampling Date:	12/03/2020
Reported:	12/10/2020	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 12 @ 7' (H003189-68)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	12/08/2020	ND	400	100	400	0.00	

Sample ID: SP 12 @ 8' (H003189-69)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/08/2020	ND	400	100	400	0.00	

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(197)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Cypress 33-1 Well Battery (10-25-20)
 Project Location: Eddy County, NM
 Sampler Name: Simon Rendon
 P.O. #: Company: OXY
 Attn: WADE
 Address: City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	I	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HDD3189	N @ Surface	G	1						11-25-20	9:35 AM	✓	✓	✓	
	E @ Surface								11-25-20	9:52 AM	✓	✓	✓	
	W @ Surface								11-25-20	10:08 AM	✓	✓	✓	
	S @ Surface								11-25-20	10:16 AM	✓	✓	✓	
	SP1 @ Surface								11-25-20	10:29 AM	✓	✓	✓	
	SP1 @ 1'								11-25-20	10:44 AM	✓	✓	✓	
	SP1 @ 2'								11-25-20	11:08 AM	✓	✓	✓	
	SP1 @ 3'								11-25-20	11:22 AM	✓	✓	✓	
	SP2 @ Surface								11-25-20	11:31 AM	✓	✓	✓	
	SP2 @ 1'								11-25-20	11:43 AM	✓	✓	✓	

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Relinquished By: *[Signature]* Date: 12/17/20 Received By: *[Signature]* Date: 12/17/20
 Relinquished By: *[Signature]* Date: 12/17/20 Received By: *[Signature]* Date: 12/17/20
 Delivered By: (Circle One) *UPS* - UPS - Bus - Other: *2.10e1 #113*
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*
 REMARKS: *Name change per Bruce see Email. 12/17/20*

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(287)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: _____
 Project Manager: Cliff Brunson Company: OXY
 Address: P.O. Box 805 State: NM zip: 88241 Attn: WADE
 City: Hobbs Address: _____
 Phone #: 575-397-6388 Fax #: 575-397-0397 City: _____
 Project #: _____ Project Owner: Oxy State: _____ Zip: _____
 Project Name: Cypress 33-1 Well Battery (10-26-20) T.P. 12/1/20
 Project Location: Eddy County, NM Phone #: _____
 Sampler Name: Simon Rendon Fax #: _____

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		DATE	TIME	ANALYSIS REQUEST		
		(G)RAB OR (C)OMP.	# CONTAINERS			TPH	BTEX	TPH EXT
HDD3189	SP2 @ 2'	G	1	11-25-20	12:04 PM	✓	✓	✓
	SP2 @ 3'			11-25-20	12:14 PM	✓	✓	✓
	SP2 @ 4'			11-25-20	12:25 PM	✓	✓	✓
	SP2 @ 5'			11-30-20	9:40 AM	✓	✓	✓
	SP2 @ 6'			11-30-20	9:52 AM	✓	✓	✓
	SP3 @ Surface			11-30-20	10:12 AM	✓	✓	✓
	SP3 @ 1'			11-30-20	10:25 AM	✓	✓	✓
	SP3 @ 2'			11-30-20	10:42 AM	✓	✓	✓
	SP3 @ 3'			11-30-20	11:00 AM	✓	✓	✓
	SP4 @ Surface			11-30-20	11:12 AM	✓	✓	✓

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Relinquished By: _____ Date: 12/14/20 Received By: _____
 Time: 15:15 Received By: _____
 Relinquished By: _____ Date: _____ Received By: _____
 Time: _____

Delivered By: (Circle One) UPS Bus Other: #113
 Sample Condition: Intact Broken
 Cool: Yes No
 CHECKED BY: _____

REMARKS: _____
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(3 of 7)

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: Cypress 33-1 Well Battery (10-26-20) Project Location: Eddy County, NM Sampler Name: Simon Rendon		P.O. #: _____ Company: OXY Attn: WADE Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy State: _____ Zip: _____		BILL TO ANALYSIS REQUEST	
FOR LAB USE ONLY			
Lab I.D. HDC3K9	Sample I.D. SP4 @ 1' SP4 @ 2' SP5 @ Surface SP5 @ 1' SP5 @ 2' SP5 @ 3' SP6 @ Surface SP6 @ 1' SP6 @ 2' SP7 @ Surface	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
Relinquished By: _____ Date: 12/14/20 Time: 15:15		Received By: <i>Spdi Jensen</i> Date: _____ Time: _____	
Delivered By: (Circle One) -2.92 / # 113 Sampler - UPS - Bus - Other: _____		CHECKED BY: _____ Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Relinquished By: _____ Date: _____ Time: _____		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(487)

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: Cypress 33-1 Well Battery (10-2-20) Project Location: Eddy County, NM Sampler Name: Simon Rendon		P.O. #: _____ Company: OXY Attn: WADE Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____					
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy Project Name: Cypress 33-1 Well Battery (10-2-20)		State: NM Zip: 88241 Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____					
BILL TO							
ANALYSIS REQUEST							
FOR LAB USE ONLY							
Lab I.D. SP7 @ 1' SP7 @ 2' SP7 @ 3' SP8 @ Surface SP8 @ 1' SP8 @ 2' SP8 @ 3' SP8 @ 4' SP9 @ Surface SP9 @ 1'	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	CL BTEX TPH EXT				
				SP7 @ 1'	G	11-30-20 2:25 PM	✓
				SP7 @ 2'	1	11-30-20 2:41 PM	✓
				SP7 @ 3'	1	11-30-20 2:55 PM	✓
				SP8 @ Surface	1	12-1-20 9:35 AM	✓
				SP8 @ 1'	1	12-1-20 9:49 AM	✓
				SP8 @ 2'	1	12-1-20 10:10 AM	✓
				SP8 @ 3'	1	12-1-20 10:23 AM	✓
				SP8 @ 4'	1	12-1-20 10:37 AM	✓
				SP9 @ Surface	1	12-1-20 10:52 AM	✓
SP9 @ 1'	1	12-1-20 11:12 AM	✓				

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Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: 12/14/20 Time: 15:15
 Delivered By: (Circle One) _____
 Sampler - UPS - Bus - Other: -2.70 / #113
 Sample Condition: Intact Broken
 Checked By: _____

REMARKS:
 Phone Result: Yes No
 Add'l Phone #: _____
 Fax Result: Yes No
 Add'l Fax #: _____

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(587)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: _____
 Project Manager: Cliff Brunson Company: OXY
 Address: P.O. Box 805 State: NM Zip: 88241 Attn: WADE
 City: Hobbs Address: _____
 Phone #: 575-397-6388 Fax #: 575-397-0397 City: _____
 Project #: _____ State: _____ Zip: _____
 Project Name: Cypress 33-1 Well Battery (10-26-20) ^{TP} 12/7/20
 Project Location: Eddy County, NM Phone #: _____
 Sampler Name: Simon Rendon Fax #: _____
 FOR LAB USE ONLY PRESERV SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	CL	BTEX	TPH EXT
H003189	SP9 @ 2'	G	1	GROUNDWATER			12-1-20	11:22 AM	✓		
	SP9 @ 3'		1	WASTEWATER			12-3-20	9:30 AM	✓		
	SP9 @ 4'		1	SOIL			12-3-20	9:43 AM	✓		
	SP10 @ Surface		1	OIL			12-1-20	11:37 AM	✓	✓	
	SP10 @ 1'		1	SLUDGE			12-1-20	11:51 AM	✓	✓	
	SP10 @ 2'		1	OTHER :			12-1-20	12:08 PM	✓		
	SP10 @ 3'		1	ACID/BASE:			12-3-20	10:03 AM	✓		
	SP10 @ 4'		1	ICE / COOL			12-3-20	10:18 AM	✓		
	SP10 @ 5'		1	OTHER :			12-3-20	10:31 AM	✓		
	SP10 @ 6'		1				12-3-20	10:44 AM	✓		

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Relinquished By: _____ Date: _____ Time: _____
 Received By: Simon Rendon Date: 12/7/20 Time: 15:15
 Delivered By: (Circle One) _____
 Sampler - UPS - Bus - Other: -2.702/#113
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature]
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(6087)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: _____
 Project Manager: Cliff Brunson Company: OXY
 Address: P.O. Box 805 Attn: WADE
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address: _____
 Project #: _____ City: _____
 Project Name: Cypress 33-1 Well Battery (10-28-20) 12/7/20 State: _____ Zip: _____
 Project Location: Eddy County, NM Phone #: _____
 Sampler Name: Simon Rendon Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	JL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H003189	SP10 @ 7'	G	1						12-3-20	10:55 AM	✓			
	SP10 @ 8'								12-3-20	11:08 AM	✓			
	SP11 @ Surface								12-1-20	12:51 PM	✓	✓		
	SP11 @ 1"								12-1-20	1:15 PM	✓	✓		
	SP11 @ 2'								12-1-20	1:34 PM	✓			
	SP11 @ 3'								12-3-20	11:24 AM	✓			
	SP11 @ 4'								12-3-20	11:39 AM	✓			
	SP11 @ 5'								12-3-20	11:52 AM	✓			
	SP11 @ 6'								12-3-20	12:03 PM	✓			
	SP11 @ 7'								12-3-20	12:47 PM	✓			

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Relinquished By: _____ Date: 12/14/20 Received By: Simon Rendon
 Time: 15:15
 Delivered By: (Circle One) - UPS - Bus - Other: -2190/#113
 Sample Condition: Intact Cool Yes No
 CHECKED BY: (Initials) _____
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(7067)

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: _____
 Project Manager: Cliff Brunson Company: OXY
 Address: P.O. Box 805 Attn: WADE
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address: _____
 Project #: _____ Project Owner: OXY City: _____
 Project Name: Cypress 33-1 Well Battery (10-28-20) 12/7/20 State: _____ Zip: _____
 Project Location: Eddy County, NM Phone #: _____
 Sampler Name: Simon Rendon Fax #: _____

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING		ANALYSIS REQUEST						
		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX
HD03189	SP12 @ Surface	G	1									12-3-20	1:03 PM	✓	✓	✓
601	SP12 @ 1"											12-3-20	1:16 PM	✓	✓	✓
602	SP12 @ 2'											12-3-20	1:32 PM	✓	✓	✓
603	SP12 @ 3'											12-3-20	1:44 PM	✓	✓	✓
604	SP12 @ 4'											12-3-20	2:09 PM	✓	✓	✓
605	SP12 @ 5'											12-3-20	2:20 PM	✓	✓	✓
606	SP12 @ 6'											12-3-20	2:35 PM	✓	✓	✓
607	SP12 @ 7'											12-3-20	2:47 PM	✓	✓	✓
608	SP12 @ 7'											12-3-20	3:10 PM	✓	✓	✓
609	SP12 @ 8'															

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subcontractors, affiliates 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.

Relinquished By: _____ Date: _____ Time: _____
 Received By: *Simon Rendon* Date: *12/15/20* Time: *15:15*
 Delivered By: (Circle One) UPS Bus Other: *2.102/#113*
 Sample Condition: Intact Cool Yes No Yes No
 CHECKED BY: *[Signature]*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____

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



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

April 07, 2021

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

RE: CYPRESS 33 - 1 WELL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/06/21 10:00.

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".

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:	04/06/2021	Sampling Date:	03/31/2021
Reported:	04/07/2021	Sampling Type:	Soil
Project Name:	CYPRESS 33 - 1 WELL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(10-25-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: SP 1 @ 4' (H210835-01)

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	04/06/2021	ND	2.08	104	2.00	2.15		
Toluene*	<0.050	0.050	04/06/2021	ND	2.04	102	2.00	2.01		
Ethylbenzene*	<0.050	0.050	04/06/2021	ND	1.98	99.2	2.00	2.28		
Total Xylenes*	<0.150	0.150	04/06/2021	ND	5.88	98.1	6.00	1.89		
Total BTEX	<0.300	0.300	04/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	400	16.0	04/06/2021	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	04/06/2021	ND	225	113	200	4.85		
DRO >C10-C28*	<10.0	10.0	04/06/2021	ND	239	119	200	5.32		
EXT DRO >C28-C36	<10.0	10.0	04/06/2021	ND						

Surrogate: 1-Chlorooctane 72.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.2 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	NRM2033658364
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 5-19-21
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Robert Hamlet Date: 8/27/2021

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Robert Hamlet Date: 8/27/2021

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 29736

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 29736
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Workplan/Remediation Plan is approved with the following conditions: Please make sure the edges/sidewalls and floor closure samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. When nearby wells are used to determine depth to groundwater, the wells should be no further than 1/2 mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a 1/2 mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.	8/27/2021