

EOG Resources, Inc. Artesia Division Office 104 S. 4<sup>th</sup> Street Artesia, N. M. 88210

May 5, 2022

Bradford Billings EMNRD 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Barbara Federal #10 Pipeline 30-015-26570 I-31-19S-25E Eddy County, NM 2RP-2061 Incident # nJMW1331831899

EOG Resources, Inc. is submitting the enclosed Closure Report in response to the denial issued by NMOCD on March 22, 2022. EOG Resources, Inc. attempted to comply with the request made by NMOCD for additional boundary sampling to be conducted, however the private surface owner did not grant permission for these activities to occur. Once access was not granted, EOG Resources, Inc. performed further research of the remediation uncovering that sidewall sampling had been conducted appropriately for the time, and that records indicate verbal approval of closure by NMOCD in 2014. The remedial actions completed for the site, the timeline of the completions of these activities, as well as the notes of NMOCD correspondence are summarized and included with this Closure Report.

EOG Resources, Inc. has included a C-141 Final with the most current form in this Closure Report, and hereby requests closure of the open incident.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Sottle

Chase Settle Rep Safety & Environmental Sr EOG Resources, Inc.



**Barbara Federal #10 Pipeline** 

**Closure Report** 

30-015-26570

I-31-19S-25E

Eddy County, NM

May 5, 2022

2RP-2061

nJMW1331831899

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#### energy opportunity growth

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#### I. Location

The site is located approximately 6 miles west of Seven Rivers in Eddy County, New Mexico.

#### II. Background

On November 2, 2013, a release was discovered by the private surface owner on a produced water pipeline that had previously been removed from service. The volume released was unable to be determined since the line had previously been removed from service, and there was not a recovered volume due to the release absorbing into the surrounding soil. The approximate area identified as impacted was 300 feet by 200 feet. Yates Petroleum Corporation (YPC) sent a release notification email (Appendix B) to the NMOCD District II office on November 4, 2013. At that time the produced water transfer system, or an associated API, were unknown, therefore it was stated that full details would be included with the C-141 Initial submission. The C-141 Initial was submitted to NMOCD on November 8, 2013, as evidenced by the receival stamp on the document (Appendix A).

#### III. Initial Site Delineation

Excavation of visually impacted soils began immediately after discovery of the release. Through the month of November 2013, impacted soils were excavated to a depth of three (3) feet across the visually impacted area. Initial samples from the release area were collected on December 9, 2013. Analytical results exhibited that BTEX and TPH were not issues for the site as BTEX was non-detect for all samples and TPH concentration was less than fifty (50) mg/kg for all samples. Chloride concentration numbers ranged from 4640 to 7600 mg/kg, identifying chloride as the remaining constituent of concern for the site.

Further delineation samples were collected on December 31, 2013, to determine chloride concentrations and identify the decline in concentration as was the standard during this time period. Analytical results returned from the laboratory on January 8, 2014, with results showing a decline in chloride concentration for the site. A meeting was scheduled between YPC, NMOCD District II, and the private landowner to determine the remediation plan for the site.

#### IV. Remediation Activities

January 30, 2014, a site meeting was held with YPC (Robert Asher), NMOCD District II (Mike Bratcher), TNT (YPC contractor), and the private surface owner. It was determined, after discussion between all parties, that the pasture area would be excavated to four (4) feet below grade surface (bgs) and that the current excavated area would be extended in depth from three (3) feet to between six (6) and eight (8) feet bgs. Notes within the Internal Activity Log (Appendix C) describe the details of the meeting between all involved participants. With the remediation plan for the site agreed to during the on-site meeting, excavation continued at the site to meet the excavation depths which all had agreed to.

On March 4, 2014, the dirt contractor called the YPC to inform that the private surface owner had discovered visual chloride impacts on the sidewalls of the excavation after a recent precipitation event. To address these concerns, YPC instructed the contractor to perform further excavation of the sidewalls, hauling the excavated soils to disposal. YPC then performed confirmation sampling in the areas (SESW, ESW, NSW, and SSW) that had been addressed. Analytical results confirmed concentrations that ranged from <16.0 mg/kg for two areas to a high of 464 mg/kg in one area, with the fourth area having a concentration of 48 mg/kg for chloride.



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On March 17, 2014, the contractor notified YPC that alternate areas were showing visual signs of chloride surfacing after additional precipitation had been received. The additional areas were sampled by YPC on March 20, 2014. These areas are identified as N, S, NB, SB, WNSW, WWSW, and WSSW in the analytical results accompanying this report as Appendix D. On March 27, 2014, YPC instructed the contractor to excavate the soils showing visual impacts of chloride migration from the most recent precipitation event and stockpile the soils on plastic within the release excavation area to be sampled for determination of chloride concentration.

A meeting was held on-site on April 8, 2014, between YPC's Land and Environmental staff with the private surface owner. Once the meeting was completed, further sampling was completed of the stockpiled soil and sidewalls that had been further excavated. An in person meeting at the NMOCD District II office was then had between Robert Asher (YPC) and Mike Bratcher (NMOCD) to discuss the site remediation. A follow up meeting was held on April 21, 2014, after the analytical results had returned from the laboratory between Robert Asher and Mike Bratcher. During this meeting NMOCD requested that further vertical delineation be completed in the NB area of the site for chloride delineation.

The NB area was sampled further vertically on April 23, 2014, with additional sampling occurring on May 5, 2014, using an excavator. Initial results of the April 23<sup>rd</sup> sampling did not emphasize a decrease in chloride, therefore an excavator was used to extend the sampling depth to thirty-two (32) feet bgs where chloride concentrations had declined.

After analytical results had returned from the May 5<sup>th</sup> sampling event, another in-person meeting was conducted between Robert Asher (YPC) and Mike Bratcher (NMOCD) at the District II Office on May 8, 2014. During this meeting the sample results of the deeper delineation were presented to NMOCD, and NMOCD approved the installation of a liner in the west area of the excavation. NMOCD also provided approval for closure of the site by allowing backfill activities to commence. This meeting is summarized in a follow up email from Robert Asher to Mike Bratcher on the same date (Appendix B).

On May 13, 2014, during an on-site meeting between YPC, the contractor, and private surface owner, it was requested of YPC by the private surface owner to backfill with the stockpiled material prior to the installation of the liner. Since performing the requested actions would only bring the liner up to a depth of eight (8) feet bgs from ten (10), YPC agreed to the amendment and sent a follow-up email (Appendix B) to NMOCD on May 14, 2014, explaining the change in scope.

Backfill and liner installation activities were completed on June 30, 2014, with reseeding occurring once those activities had been completed.

#### V. Closure Report

The release received closure approval (permission to backfill) from NMOCD verbally on May 8, 2014, during the in-person conducted at the NMOCD District II office between Robert Asher (YPC) and Mike Bratcher (NMOCD). Once the backfill, liner installation, and seeding activities were complete, YPC submitted to NMOCD a C-141 Final on July 2, 2014, requesting closure (Appendix E).

Based on the verbally approved closure, and evidence of the remediation being completed in an appropriate method for the time period, EOG is submitting the current C-141 Closure Form as Appendix F requesting official closure of nJMW1331831899 (2RP-2061).



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# Site Map

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Closure Report #nJMW1331831899

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# Sample Results Table

#### energy opportunity growth

C01.0.E C02.0.E C03.0.E C04.0.E C05.0.E C06.0.E C07.0.E C09.0.E C09.0.E C00.25.P C01.0.P C02.0.E C03.0.E C03.0.E C04.0.P C05.0.P C05.0.P C05.0.P C07.0.P C09.0.P C09.0.P C09.0.P C09.0.P C09.0.P C09.0.P C04.0.P	4 5 6 7 8 9 10 11 12 3.25 4 5 6 7 8 9 9 10 11 12 0-4	12/9/13 12/9/13 12/31/13 12/31/13 12/31/13 12/31/13 12/31/13 12/31/13 12/9/13 12/9/13 12/9/13 12/9/13 12/9/13 12/31/13 12/31/13 12/31/13 12/31/13 12/31/13	<0.050 <0.050 NR NR NR NR NR <0.050 <0.050 <0.050 <0.050 NR NR NR NR NR NR	<0.050 <0.050 NR NR NR NR NR NR <0.050 <0.050 <0.050 <0.050 NR NR NR	<0.050 <0.050 NR NR NR NR NR NR <0.050 <0.050 <0.050 <0.050 NR	<0.150 <0.150 NR NR NR NR NR NR <0.150 <0.150 <0.150 <0.150 NR	<0.300 <0.300 NR NR NR NR NR NR <0.300 <0.300 <0.300	<10.0 <10.0 NR NR NR NR NR NR <10.0 <10.0	34.3 44.4 35.1 NR NR NR NR NR NR 31.6 30.1 36.6	34.3 44.4 35.1 NR NR NR NR NR NR 31.6 30.1	4640 5680 7600 3858 2615 3101 2370 2835 2230 5040 6800
C03.0.E           C04.0.E           C05.0.E           C06.0.E           C07.0.E           C08.0.E           C09.0.E           C00.25.P           C010.P           C02.0.E           C03.0.E           C04.0.P           C05.0.P           C06.0.P           C06.0.P           C07.0.P           C08.0.P           C07.0.P           C08.0.P           C09.0.P	6 7 8 9 10 11 12 3.25 4 5 6 7 8 9 10 11 12	12/9/13 12/31/13 12/31/13 12/31/13 12/31/13 12/31/13 12/31/13 12/9/13 12/9/13 12/9/13 12/9/13 12/31/13 12/31/13 12/31/13 12/31/13	<0.050 NR NR NR NR NR <0.050 <0.050 <0.050 <0.050 NR NR NR	<0.050 NR NR NR NR <0.050 <0.050 <0.050 <0.050 NR NR	<0.050 NR NR NR NR <0.050 <0.050 <0.050 <0.050 <0.050 NR	<0.150 NR NR NR NR NR <0.150 <0.150 <0.150 <0.150	<0.300 NR NR NR NR NR <0.300 <0.300 <0.300	<10.0 NR NR NR NR <10.0 <10.0 <10.0	35.1 NR NR NR NR NR 31.6 30.1	35.1 NR NR NR NR NR 31.6 30.1	7600 3858 2615 3101 2370 2835 2230 5040 6800
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C03.0.E C04.0.P C05.0.P C06.0.P C07.0.P C07.0.P C08.0.P C09.0.P	6 7 8 9 10 11 12	12/31/13 12/31/13 12/31/13 12/31/13 12/31/13	<0.050 NR NR NR	NR NR	NR		< 0.300		00.0	36.6	7280
C04.0.P C05.0.P C06.0.P C07.0.P C08.0.P C08.0.P C09.0.P	7 8 9 10 11 12	12/31/13 12/31/13 12/31/13 12/31/13	NR NR NR	NR NR		NP		<10.0	<10.0	<10.0	5760
C05.0.P C06.0.P C07.0.P C08.0.P C09.0.P	8 9 10 11 12	12/31/13 12/31/13 12/31/13	NR NR	NR	110		NR	NR	NR	NR	1286
C06.0.P C07.0.P C08.0.P C09.0.P	9 10 11 12	12/31/13 12/31/13 12/31/13	NR		NR	NR	NR	NR	NR	NR	958
C07.0.P C08.0.P C09.0.P	10 11 12	12/31/13 12/31/13		NR	NR	NR	NR	NR	NR	NR	1041
C08.0.P C09.0.P	11 12	12/31/13		NR	NR	NR	NR	NR	NR	NR	1203
C09.0.P	12		NR	NR	NR	NR	NR	NR	NR	NR	883.9
		12/31/13	NR	NR	NR	NR	NR	NR	NR	NR	824.7
(NSW)		3/4/14	NR	NR	NR	NR	NR	NR	NR	NR	<16.0
C04X2 (ESW)	0-4	3/4/14	NR	NR	NR	NR	NR	NR	NR	NR	48
C04X2 (SESW)	0-4	3/4/14	NR	NR	NR	NR	NR	NR	NR	NR	464
C04X2 (SSW)	0-4	3/4/14	NR	NR	NR	NR	NR	NR	NR	NR	<16.0
C01.0.N	1	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
C02.0.N	2	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
C03.0.N	3	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
C01.0.S	1	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
C02.0.S	2	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
C03.0.S	3	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
C10.0. WNSW	0-10	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	970
C10.0. WWSW	0-10	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	1500
C10.0. WSSW	0-10	3/20/14	NR	NR	NR	NR	NR	NR	NR	NR	1500
C11.0.NB	11	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	2200
C12.0.NB	12	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	2200
C13.0.NB	13	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	2100
C14.0.NB	14	4/23/14	NR	NR	NR	NR	NR	NR	NR	NR	4160
C15.0.NB	15	4/23/14	NR	NR	NR	NR	NR	NR	NR	NR	4960
C16.0.NB	16	4/23/14	NR	NR	NR	NR	NR	NR	NR	NR	7680
C18.0.NB	18	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	7300
C20.0.NB	20	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	4480
C22.0.NB	22	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	4560
C24.0.NB	24	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	4800
C26.0.NB	26	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	5440
C28.0.NB	28	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	5840
C30.0.NB	30	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	3120
C32.0.NB	32	5/5/14	NR	NR	NR	NR	NR	NR	NR	NR	2080
C11.0.SB	14	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	2500
C12.0.SB	15	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	2300
C13.0.SB	16	3/20/14	ND	ND	ND	ND	ND	ND	ND	ND	150
C12.0.SW	0-12	4/8/14	NR	NR	NR	NR	NR	NR	NR	NR	710
C12.0.SP	0-4	4/8/14	NR	NR	NR	NR	NR	NR	NR	NR	240
*All results m											
ND: Non-det		ncentration									
NR: constitu											



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# **Photos**

energy opportunity growth









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energy opportunity growth

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101 W. Grand Arenes, Artics, NM 8210       Oil Conservation Division         1220 S.St. Francis Dr., Saina Fe, NM 87305       Santa Fe, NM 87505         Minoc Dr., Saina Fe, NM 87305         Release Notification and Corrective Action         Minoc Dr., Saina Fe, NM 87305         Minoc Dr., Saina Fe, NM 87305         Minoc Dr., Saina Fe, NM 87305         Release Notification and Corrective Action         Minoc Dr., Saina Fe, NM 87305         Collact         Minoc Dr., Saina Fe, NM 87305         Saina Fe, NM 87305         Saina Fe, NM 8740         ORRED Number         Collact         Minoc Dr., Saina Fe, NM 87505         Saina Fe, NM 87505 <td cols<="" td=""><td>625 N. French Dr., Hobbs,</td><td>NM 88240</td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td>625 N. French Dr., Hobbs,</td> <td>NM 88240</td> <td></td> <td>1</td> <td></td>	625 N. French Dr., Hobbs,	NM 88240		1										
1220 S. St. Familis Dr., Saula Fe, NM 87503       side of for         Release Notification and Corrective Action         Mame of Company       OPERATOR       Initial Report       Final Report         Name of Company       OGRID Number       Contact         Address       Telephone No.       104 S. 4 <sup>+</sup> 14       Facility Type         Barbara #I Pipe Line       30-015-26570       Water Transfer Pipe Line       Surface Owner         Barbara #I Pipe Line       30-015-26570       Water Transfer Pipe Line       Country         Surface Owner       Init end Owner       Lease No.         LocATION OF RELEASE       Country       Eddy         Unit Letter       Section       Township       Range       Country         J19S       Range       Feet from the       Bast/WestLine       Country         Source of Release       Volume Recovered       Unknown. D/P W       Unknown. D/P W         Source of Release       Volume Recovered       I1/2/2013 - AM       I1/2/2013 - AM         Was ImmediateNotice Griver,?       If YES, To Whom?       II/2/2013 - AM       II/2/2013 - AM         Was ImmediateNotice Griver,?       If YES, To Whom?       II/2/2013 - AM       II/2/2013 - AM         Was ImmediateNotice Griver,?       II/2/2013 - Contace II/2/2013 - Contace	301 W. Grand Avenue, Artesia, NM 88210														
1220 5. St. Francis Dr., Sania Pc, NM 87505       side of for         Release Notification and Corrective Action         Name of Company       OPERATOR       Initial Report       Final Report         Name of Company       OGRID Number       Contact         Address       Telephone No.       104 S. 4 <sup>+</sup> 17         Facility Type       Barbar af I Pipe Line       30-015-26570       Water Transfer Pipe Line         Surface Owner       Lease No.         Earbar af I Pipe Line       30-015-26570       Water Transfer Pipe Line         Surface Owner       Lease No.         Earbar af I Pipe Line       30-015-26570       Water Transfer Pipe Line         Surface Owner       LocATION OF RELEASE       County:         Unit Letter       Section       Township       Range         31       195       Peet From the       North/South Line       Feet from the       East/West Line       County:         County       Latitude	1000 Rio Brazos Road, Aztec, NM 87410							NM	OCD /	ARTE	sin,	rict Office in acc	ordance		
Minite of Company       OPERATOR       Initial Report       Final Report         Name of Company       OGRID Number       Contact         Yates Petroleum Corporation       25575       Robert Asher         Address       Telephone No.       575-748-1471         Fealilty Name       API Number       Facility Type         Barbara #1 Pipe Line       30-015-26570       Water Transfer Pipe Line         Surface Owier	220 S. St. Francis Dr., San	a Fe, NM 87505											side	of form	
Name of Compañy OGRID Number Contact Yates Petrolegum Corporation 25575 Robert Asher Telephone No. 575-748-1471. Facility Type Facility Type Faci	TI		Rele	as	e Notific	atio	n and Co	rrectiv	ve A	ction			•		
Name of Compañy OGRID Number Contact Yates Petrolegum Corporation 25575 Robert Asher Telephone No. 575-748-1471. Facility Name: API Number Barbara #I Pipe Line 30-015-26570 Water Transfer Pipe Line Surface Owner Face Federation Mineral Owner Lease No. Each Stream St	NMW1331	831899	٩							$\boxtimes$	Initial	Repo	rt 🔲 Final	Repor	
Address       Telephone No.         104 S, 4 <sup>TII</sup> Street       S75-748-1471         Facility Name       API Number         Barbara #1 Pipe Line       30-015-26570         Water Transfer Pipe Line       Water Transfer Pipe Line         Surface Owner       Mineral Owner         Eace       Eacility Type         Surface Owner       Imineral Owner         Lease No.       Eace         Unit Letter       Section         31       Toys         19S       Z5E         Feet from the       North/South Line         For Release       Volume of Release         Produced Water       Unknown B/PW         Source of Release       Date and Hour of Occurrence         11/2/2013 - AM       11/2/2013 - AM         Was Immediate Notice Given?       If YES, To Whom?         Make Exclose Peroleum Corporation       Li/4/2013 (E-mail)         Was Immediate Notice Given?       If YES, Yo Uhune Impacting the Watercourse.         MA       Describe Cause of Problem and Remedial Action Taken.*         Buriedpipipe line from the Barbar #/I well developed a leak on		poration				nber		r							
Facility Name       API Number       Facility Type         Barbara #I Pipe Line       30:015-26570       Water Transfer Pipe Line         Surface Owner       Mineral Owner       Lease No.         Face       Feederood       LOCATION OF RELEASE         Unit Letter       Section       Township       Range         198       Peederood       Feet from the       North/South Line       Feet from the       East/West-Line       County         Eddy       LatitudeLongitude_       NATURE OF RELEASE       Volume Recovered       Unknown. B/PW       Unknown. B/PW         Source of Release       Date and Hour of Cocurrence       Date and Hour of Cocurrence       11/2/2013 - AM       11/2/2013 - AM       11/2/2013 - AM         Was Immediate Notice Given?       Yes       No       Not Required       Mike Bratcher/NMOCD II       By Whom?         Robert Asher/Yates Petroleum Corporation       11/4/2013 (G-mail)       HYES, Yolume Impacting the Watercourse.         WAs       Yes       No       Not Required       N/A       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A       N/A       N/A       Source of Problem and Remedial Action Taken.*       N/A         Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) cal	Address						Telephone N	lo.							
Barbara #I Pipe Line       30-015-26570       Water Transfer Pipe Line         Surface Owner       Mineral Owner       Lease No.         Feederood       LOCATION OF RELEASE       Locase No.         Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West-Line       County:         Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West-Line       County:         Unit Letter       31       195       25E       Feet from the       North/South Line       Feet from the       East/West-Line       County:         Type of Release       Volume of Release       Volume of Release       Volumo of Occurrence       Date and Hour of Occurrence       Date and Hour of Occurrence       Date and Hour       T1/2/2013 - AM       T1/2/2013 - AM       T1/2/2013 - AM       T1/2/2013 - AM       Mineral Owner       Mike Bratcher/NMOCD II       By Whom?       Mike Bratcher/NMOCD II       By Whom?       Mike Bratcher/NMOCD II       Mike Bratcher/NMOCD II       Mixe a Watercourse Reached?       Mixe Transfer Pipe Line       No/Li/2/2/013 - AM       Mixe Bratcher/NMOCD II       Mixe a Watercourse       Mixe Bratcher/NMOCD II       Mixe a Watercourse       Mixe Bratcher/NMOCD III       Mixe a Watercourse	104 S. 4 <sup>th</sup> Street			A	PI Number				•	-					
Even       Fedderod         LOCATION OF RELEASE         Unit Letter         31       Township       Range       Section       North/South Line       Feet from the       East/West-Line       County:         Big       Section       195       25E       Feet from the       North/South Line       Feet from the       East/West-Line       Eddy         Latitude		/	7						Line						
LOCATION OF RELEASE           Unit Letter         Section         Township         Range         Feet from the         North/South Line         Feet from the         East/West-Line         County Eddy           Latitude Longitude_           NATURE OF RELEASE           Type of Release         Volume of Release         Volume Recovered         Unknown B/PW           Source of Release         Date and Hour of Occurrence         Date and Hour of Discovery           Produced Water         Date and Hour of Occurrence         Date and Hour of Discovery           Source of Release         Produced Water         Date and Hour of Discovery           Source of Release         If YES, To Whom?         Hike Bratcher/MNOCD II           Was Immediate Notice Given?         If YES, To Whom?         Hike Bratcher/Mont?           Robert-Asher/Yates Petroleum Corporation         If YES, Volume Impacting the Watercourse.         N/A           If a Watercourse Was Impacted, Describe Fully.*         N/A         N/A         N/A           Describe Caise of Problem and Remedial Action Taken.*         Burredupipe line from the Barbara #10 well developed a leak on the Wibank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.           Describe Area Affected and Cleanup Action Taken.*         Burredupipe line from the Barbara #10 well developed a leak on the Wibank's Ranc		V	/	-	Mineral C	)wner					Lease N	0.			
Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West-Line       County         Bdd       131       19S       25E       Feet from the       North/South Line       Feet from the       East/West-Line       County         Eddy       LatitudeLongitude	Foo- Feder	ral			1										
31       19S       25Ē       Eddy         LatitudeLongitude_         NATURE OF RELEASE         Type of Release       Volume Recovered         Urknown B/P W       Unknown B/P W       Unknown B/P W         Source of Release       Date ând Hour of Occuirrence       Date and Hour of Discovery         Pipe line       117/22013 - AM       11/2/2013 - AM         Was Immediate Notice Given?       If YES, To Whom?       Mike Bratcher/NMOCD II         By Whom?       Date and Hour       1/4/2013 (E-mail)         Robert-Asher/Yates Petroleum Córporation       11/1/2/2013 - Key       NA         If YES, Volume Impacting the Watercourse.       N/A       N/A         If a Watercourse Reached?       N/A       N/A         If a Watercourse was Impacted, Describe Pully.*       N/A       N/A         If a Watercourse of Problem and Remedial Action Taken.*       Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.         Describe Area Affected and Cleanup Action Taken.*       Breaged area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results are above the RALA a work plan will be submitted to the COE. Depth to Ground Water:>100'(228' ChevronTexaco Trend Map), Wel															
NATURE OF RELEASE         Type of Release       Volume of Release       Volume Recovered         Produced Water       Unknown B/PW       Unknown. B/PW         Source of Release       Date and Hour of Occurrence       Date and Hour of Discovery         Pipe line       11/2/2013 - AM       11/2/2013 - AM         Was Immediate Notice Given?       If YES, To Whom?       11/2/2013 - AM         Robert Asher/Yates Petroleum Corporation       11/4/2013 (E-mail)       Robert Asher/Yates Petroleum Corporation         Robert Asher/Yates Petroleum Corporation       If YES, Volume Impacting the Watercourse.       N/A         If a Watercourse Reached?       If YES, Volume Impacting the Watercourse.       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A       N/A         Describe Area Affected and Cleanup Action Taken.*       Mike Brather RNAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD peth to Ground Water:>100'         (228' ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water, Body; > 1000', SITE RANKING IS 0.         I hereby certify that the information given above is true and complete to the best of my knowlodge and understand that pursuent to MIOCD rules and				Fee	et from the	Nort	h/South Line	Feet from	n the	East/Wes	st:Line				
NATURE OF RELEASE         Type of Release       Volume of Release       Volume Recovered         Próduced Water       Unknown B/PW       Unknown. B/PW         Source of Release       Date and Hour of Occurrence       Date and Hour of Discovery         Pipe line       11/2/2013 - AM       11/2/2013 - AM         Was Immediate Notice Given?       If YES, To Whom?       No         Robert Asher/Yates Petroleum Corporation       11/4/2013 (E-mail)         By Whom?       Date and Hour       11/2/2013 - AM         Robert Asher/Yates Petroleum Corporation       11/4/2013 (E-mail)         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A         NA       N/A         Describe Cause of Problem and Remedial Action Taken.*         Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.         Describe Area Affected and Cleanup Action Taken.*         Describe Area Affected and Cleanup Action Taken.*         An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis r	l	<u></u>				I									
Type of Release       Volume.of Release       Volume Recovered         Produced Water       Unknown B/PW       Unknown.B/PW         Source of Release       Date and Hour of Occurrence       Date and Hour of Discovery         Pipe line       11/2/2013 - AM       11/2/2013 - AM         Was Immediate Notice Given?       If YES, To Whom?       If YES, To Whom?         By Whom?       Date and Hour       It/A/2013 (E-mail)         By Whom?       If YES, Volume Impacting the Watercourse.       NA         Robert Asher/Yates Petroleum Corporation       It/4/2013 (E-mail)       If YES, Volume Impacting the Watercourse.         Was a Watercourse Reached?       Yes No       NA       NA         If a Watercourse was Impacted, Describe Fully.*       N/A       N/A         N/A       Describe Cause of Problem and Remedial Action Taken.*       NA         Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.       Describe Area Affected and Cleanup Action Taken.*         Describe Area Affected and Cleanup Action Taken.*       Thinking is 0) a Final Report, C-141 will be submitted to the OCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chorides for documentation). If initial analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100° (228' ChevronTexaco Trend Map)							8								
Produced Water       Uiknown B/PW       Unknown B/PW         Source of Release       Date and Hour of Occurrence       Date and Hour of Discovery         Pipe line       11/2/2013 - AM       If YES, To Whom?         Was Immediate Notice Given?       If YES, To Whom?       Mike Bratcher/NMOCD II         By Whom?       Date and Hour       11/2/2013 - AM	Tupo of Pologga				NAT	URE					laluma D				
Pipc line       11/2/2013 - AM       T1/2/2013 - AM         Was Immediate Notice Given?       If YES, To Whom?       If YES, To Whom?         Was Immediate Notice Given?       If YES, To Whom?       Mike Bratcher/NMOCD II         By Whom?       Date and Hour       11/4/2013 (E-mail)         Robert Asher/Yates Petroleum Corporation       11/4/2013 (E-mail)       Interact and Hour         No       Yes       No       Not Required         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       Buried, pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.         Describe Area Affected and Cleanup Action Taken.*       An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD. Depth to Ground Water: >100' (228' ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water. Body: >1000', STER RANKING IS 0.         1 hereby certify that the information given above is true and complete to	Produced Water						Unknown B/PW Unknown B/PW								
Yes       No       Not Required       Mike Bratcher/NMOCD II         By Whom?       Date and Hour       11/4/2013 (E-mail)         Robert Asher/Yates Petroleum Corporation       11/4/2013 (E-mail)         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       No       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Area Affected and Cleanup Action Taken.*       Describe Area Affected and Cleanup Action Taken.*         Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.         Describe Area Affected and Cleanup Action Taken.*       Example Approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If finitial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD. Depth to Ground Water: >100' (228' ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: > 1000', SITE RANKING IS 0.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to aeqouse of a C-141 report by th			•				11/2/2013 - AM 11/2/2013 - AM								
By Whom?       Date and Hour         Robert Asher/Yates Petroleum Corporation       11/4/2013 (E-mail)         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         MA       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Describe Area Affected and Cleanup Action Taken.*       An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD. Depth to Ground Water: >100' (228' ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water. Body: > 1000', SITE RANKING IS 0.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to are conformed. The acceptance of a C-141 report by the NMOCD marked as "Final Report." does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other	Was Immediate Notice		Yes [	1 No	Not Re	enuired	If YES, To Mike Brate		CDII						
Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         N/A       If a Watercourse was Impacted, Describe Fully.*         N/A       N/A         Describe Cause of Problem and Remedial Action Taken.*       N/A         Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.         Describe Area Affected and Cleanup Action Taken.*         An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (228' Chevron Texaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water. Body: > 1000', SITE RANKING IS 0.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perfort corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report." does not relieve the operator of liability or the environment. In addition, NMOCD acceptance of a C-141 report does not.relieve the operator of responsibility for compliance with any other	By Whom?			1		equiree									
Yes Xo       N/A         If a Watercourse was Impacted, Describe Fully.*       N/A         Describe Cause of Problem and Remedial Action Taken.*       Buried.pipe line from the Barbara #10 well developed a leak on the Wilbank's Ranch, releasing produced water. Vacuum truck(s) called, Backhoe crew called.         Describe Area Affected and Cleanup Action Taken.*       An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (228' ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water. Body: > 1000', SITE RANKING IS 0.         I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endangër public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of lability investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other			ation				1.1/4/2013	(E-mail)	actingt	he Watere	011258				
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called. Describe Area Affected and Cleanup Action Taken.* An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (228' Chevron Texaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: > 1000', SITE RANKING IS 0. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other						he Will	pank's Ranch	releasing n	Toduce	d water V	acuum b	anck(e)	called Backhoe	Crew	
An approximate area of 300' X 200'. Line repaired, release area and sprayed pasture fenced off. Impacted soils being excavated and scraped from release and sprayed area, hauled to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (228' ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water. Body: > 1000', SITE RANKING IS 0. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other	called.							rereasing p			acuumn	uck(a)	Cairca, Daeknoe		
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public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other	I hereby certify that the	information gi	iven above	o is ti	rue and comp	lete to	the best of my	knowledg	e and u	nderstand	that purs	suant to	NMOCD rules a	ind	
or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other	public health or the env	ironment. The	acceptant	ce of	a C-141 repo	ort by t	he NMOCD m	arked as "	Final R	eport" doe	s not reli	ieve th	e operator of liab	ility	
	should their operations or the environment. In	have failed to a addition, NMC	adequately OCD accer	/ inv	estigatë and r ce of a C-141	remedia report	ate contaminati does not reliev	ion that po ve the oper	se a threator of a	eat to grou responsibil	ind water lity for c	r, surfa omplia	ce water, human nce with any oth	health er	
federal, state, or local laws and/or regulations.						•	r				•	•			
OIL CONSERVATION DIVISION		JAU						UIL	CON	SERVA		ν	101011		
Signature: Approved by District Supervisor:							Approved hy	District S	upervis	or		, 1.	1 11		
Printed Name: Robert Asher Signed By M1/4 Dranular	Printed Name: Robert	Asher								Sigped	By M	11/4	A AMARIA	2	
Title: NM Environmental Regulatory Supervisor Approval DatNOV 1 4 2013 Expiration Date:	Title: NM Environmen	al Regulatory	Superviso	r			Approval Da	NON 1	4 Z(	JIJ Ex	piration	Date:			
E-mail Address: boba@yatespetoleum.com Conditions.of Approval: Attached	E-mail Address: boba@	yatespetoleum	i.com	43									ached 🗖		
Remediation per OCD Rule & Guidelines, &       Attached L         Date: Friday, November 08, 2013       Phone: 575-748-1471         like approval by BLM. SUBMIT REMEDIATION	Date: Friday, Novembe	ar 08, 2013	Ph	ione:	575-748-147	71 u						Au			
Attach Additional Sheets If Necessary							PROP	OSAL NO	LATER	THAN:		1	RP-2	0(01	
December 14,2013							Dece	embe	C 1	4,20	13			-1	

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Barbara Federal #10 Pipeline Closure Report #nJMW1331831899



May 5, 2022

## **Appendix B NMOCD Email Correspondence**

energy opportunity growth

#### Bratcher, Mike, EMNRD

Dage 23 of 97

From:	Bob Asher <boba@yatespetroleum.com></boba@yatespetroleum.com>	
Sent:	Monday, November 04, 2013 9:25 AM	
То:	Bratcher, Mike, EMNRD; Dade, Randy, EMNRD	
Cc:	Amber Cannon; Katie Parker; Lupe Carrasco	
Subject:	Release (Section 31, T19S-R25E)	

#### Yates Petroleum Corporation is reporting a release at the following location (11/2/2013).

Section 31, T19S-R25E Eddy County, New Mexico

#### Released: Unknown; Recovered: In Process.

Cause of release is from a buried water line. At this time the release has not been designated with a water system name or API Number, it was discovered on the Wilbank's property. Complete information will be submitted in a Form C-141.

Thank you.

#### **Robert** Asher

#### NM Environmental Regulatory Supervisor

Yates Petroleum Corporation 105 S. 4<sup>th</sup> Street Artesia, NM 88210 575-748-4217 (Office) 575-365-4021 (Cell)

This message may contain confidential information and is intended for the named recipient only. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version.

From: Sent: To: Subject: Bob Asher Thursday, May 08, 2014 9:14 AM (mike.bratcher@state.nm.us) Wilbank's Excavation

#### Mike,

Per our meeting this morning, 5/8/2014, Yates will proceed with lining the ten (10) foot excavation with a 20 mil liner at 10' below surface level and start backfilling the excavation to a depth of four (4) feet below surface level, then proceed with backfill and compressing a 2' caliche layer and finishing the backfill with 2' feet of topsoil.

Thank you.

#### **Robert** Asher

### NM Environmental Regulatory Supervisor

#### Yates Petroleum Corporation

105 S. 4<sup>th</sup> Street Artesia, NM 88210 575-748-4217 (Office) 575-365-4021 (Cell)

#### **Bob Asher**

From: Sent: To: Subject: Bob Asher Wednesday, May 14, 2014 2:20 PM (mike.bratcher@state.nm.us) 5/13/2014 Wilbanks Meeting

#### Mike,

I wanted to recap yesterday's meeting with Kevin Wilbanks, Jerry Chaves/TNT and myself. Kevin stated that the large stockpiled soils that came from the excavated area directly below the removed pipe line was showing some chloride runoff after a rain shower a few weeks ago. I had pulled a grab composite from that stockpile and results were below 1000 ppm, but there could have been a higher concentration of chlorides within the stockpile that was not part of the 4/8/2014 sample results. With the work that had proceeded since Kevin noticed the chlorides, material had been moved around the stock pile and was not visible yesterday. Kevin asked if the stockpiled soils could be placed back in the excavation (since we have analytical results indicating higher chlorides below the ten (10) foot bottom of the excavation) and place the liner as we discussed last week over that backfill.

With that process the liner will be at an approximate depth of eight (8) feet instead of ten, but well below if any future pipe lines were installed, it also makes Kevin more comfortable about the stock piled materials being under the liner. The backfill on top of the liner will be caliche from Kevin's pit and will be clean with no chlorides with a 2 foot cap of top soil.

If you have any question, please contact me.

Thank you.

Robert Asher NM Environmental Regulatory Supervisor

Yates Petroleum Corporation

105 S. 4<sup>th</sup> Street Artesia, NM 88210 575-748-4217 (Office) 575-365-4021 (Cell)

Barbara Federal #10 Pipeline Closure Report #nJMW1331831899



May 5, 2022

## Appendix C Internal Activity Log

energy opportunity growth

## Status Report

Well/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)         Field Supervisor:         Mike Farmer					
Location: Section 31, T19S-R25E	Eddy County, NM				
Latitude:	Longitude:	API # 30-015-26570			
Surface Owner: Fee	Mineral Owner: Fee	Lease No.			

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Commont
	Comment Released: Unknown B/PW; Recovered: Unknown B/PW
	INCLUSED UNKNOWN DIFW, RECOVERED. UIKNOWN DIFW
11/18/212	PLOGUESS CHARCE an Excarbinan work in (PROGEESS. C-141700
	PROGRESS CHEER UN EXCISION WORK.
	SIDMEURS (ENCLOSED Log) SENT TO CARDINAL (PICKED UP 12/11/13)
12/12/2013	ANALYROOL PRSMITS (H302991), BASSO ON RESULTS (BTEX-
	ND, TPH (DRO < 50 ppm). CHEORIDZS LINNER from
	9690 > 7600 ppm (4'-6' ARL); 5040 > 72890 2.5'- 4.0);
	Steppom @ 51. Boses as Results fuerthe Deliner To
	NELDED.
12/31/613	Samples (ancroses log), Pickes up By Summit
1/31 2014	LOBORDIN QEPORT (1400502/Summer). Strawing
	DECREDSE OF CHEMIPES. TO MERT WINILBONKS, M.
	BABTCHAR (NMOCH I TNI for LOCK PLAN DISCUSSION.
1/301/2014	MEETing W/ M. BRATCHER / WMOCD; JERRY CHAVES/TNT;
	KEWIN WILBIOMCE, DISCUSSED PROPOSED PRIMEOIDITION TO
	INCLUDE EXCLOURDE ORSTURE ALEA TO 3' ?
	EXCAUSTION AREA TO OPPOLIMATELY L-BI. LOY CAUCHE
	COMPACT TO CARDER NATURAL BARRIER & BACKFILL
	WILIKG SOILS, THIS BASED ON EXCEL SPREMOSHERS OF
	REMAINING ATLONINGS IN SOILS, PRESPONDED THAT WITH
	18" of COMPACTED COLICHE MOT LOD TER (PRECIPITION)
	WOLLIN NOT YKALY GET TO A DEPTH of 31'S
	ALLOW CHLORINGS TO MOVE VENTICAL, MMOCED
	Recomannen That the Lot Impocition Soils BE
	Remover TO A Der OF 41 TODOL (DEPTH
1/30/2014	
10012014	

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## Status Report

Well/Location Name: Barbara Federal #10	(Wilbanks Pipe Line Release)	Field Supervisor: Mike Farmer
Location: Section 31, T19S-R25E		Eddy County, NM
Latitude:	Longitude:	API # 30-015-26570
Surface Owner: Fee	Mineral Owner: Fee	Lease No.

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

	· · · · · · · · · · · · · · · · · · ·
Date	TO JARY IN EXCORPTION AREA) MATES WOULD THEN
1(31/614	BACKful w/2' of COMPACTED CAUCHE & 21 OF LIKE
	SOILS, ALL PRESENT WERE IN APREEMENT
	WITH THIS REMEDIATION PROGESS.
	EKCAVATION & HALLING OFF OF IMPRICTED
	Soils ConTINUER. YPC wans hearth MATENAL Suppose Demogra on Reserve
	MENSURD PRED for Surface DAMATES.
2/3/2014	Emples Armongo/ Lono WIDA ARED MEDSULEMENT
	for
2/4/6.4	Emplithon Armowoo, DAMAGES Currently Pois are
	- Enclosis Empil.
3/4/2014	CALLED BY TNT, KENIN WILBONKS SAW CHLORIDES
	ON EDGES OF EXCHUNTION, HAD THT EXCHUNTE/
	Hour Sous, Courses Samples (ENCLASED LQ).
	CHLORIDES WPPEARED DETED PRECIPITION EVENT
	IN ALLA A COUPER DAYS BEFORE a DISCUSSED
	INSTRUCTON OF LINGA ON SOUTH TO SE TO ERST
	EDER OF EXCINUNTION (TREACH ALONG 2098. & Put Liner
	BELOW 4' BOTTOM & ON SIDEWALL)
3/61/019	ANALYTICAL RESULTS (H400677). BASED ON
	RESULTS (SESW, 4' DEEP X 2' INTO SIDEWOU @ 464 POM
	CHLONDES. ESLN, A' DEEP X 2' INTO SIDE WALL @ 48 PPM CHLONDES
	AND NSW & 55W ARE 216.0 PM) NO FURNING ACTIONS TOKEN
	TRICEN.
3/17/614	TNT' CALLOS MORE CHLOMORS from PRECIPITIONON, SCHEDULED
10	SAMPLING FOR 3/2012014 SAMPLINS (AACLISED LOQ), PICICED UP BY Summer
3120 [1014	Sampurs (anclisus Log), Pickep UP By Summer
	3/24/2014 (72 HR TAT).

### Status Report

Well/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)         Field Supervisor:         Mike Farr						
Location: Section 31, T19S-R25E		Eddy County, NM				
Latitude:	Longitude:	API # 30-015-26570				
Surface Owner: Fee	Mineral Owner: Fee	Lease No.				

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment
3/21/2014	ON SITE CHEEK, KNOTE PONKAN & Juny (Doves/TWT.
	KEVING WILBANKS COME OVER, DISCUSSED BUTTING OUT SLOPE (SOUDI SIDELINI TO EAST SUPERIOR TRENCH (14
	SLOPE (Sound Side Denning To East Supernor Thenew (1)
	COUCHE).
71 10	(PLENSE SER ENCLOSED EMPIL).
3/24/1014	Emple Rapy from TRAVIS/CAND (Enclosed).
3127/014	TNT CALLOS ( MIGRISTING CHLORIDES ( RAID), WENT
	TO LOCIOTICA, INSTRUCTRO TWIF TO EXCLUMENTE
	STOCKALS on PUNSTER. AND & WOWD SIMPLE
11717	AFTER AFTER FILE
71+16014	FLEETING WI LAWD (ARMANIO, DICCY & IRAVIS)
	After APRIL 7 TH. MEETING WI LAWD (ARMANIDO, BILLY & TRAVIS) PRODUCTION (LEGROY & DEC.) & ENVIRO (KATER, AMARI, MINNER, CHAYE & MUSELF).
	TOMPER, MULL, CHASE & MUSELF).
	REMEDIDIAN 13 PER NMOCD
	STONDALDS. ENVIRONMENTAL CONTACT 15
	BOBASHER. REVIEWED MEETING ON 418 WILLAND
	¿ Envico WIKGUIN WILNOWS, ARMOWOU TO SET TIME,
	WENT TO LOCATION TO REMENSURE (CALLOS K, WILBAWISS).
4/8/2014	MEETING ON LOCATION. KWUBPAKS, VICLAND (ARMANDO,
	CyCONNAN, TRAVIS, BULLI ENVIRO (KATE, CHASE, AMBER
	\$ MYSALF). K. WILBBUK SPOTGO HA. DIDNOT LIKE
	YATES WILL
	Do BOTH, ARMONDO EXPLAINED DAMAGE PROCESS WITH

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### Status Report

Vell/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)         Field Supervisor: Mike Farmer						
Location: Section 31, T19S-R25E Eddy County, NM						
Latitude:	Longitude:	API # 30-015-26570				
Surface Owner: Fee	Mineral Owner: Fee	Lease No.				

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment
4/8/2014	DRULING PADS. I GAVE K. WILBANKS A DEALT for
	E REGESDING PROPOSAL. LETTER SANT CERTHED
	READ RECIERT SAME DAY.
	5 IN formers Exoup THAT I WOULD
	COLLECT SAMPLES FROM STOCK PILE & SIDE WALLS,
	SAMPLER COURCESS TO SEW TO SUMMIT. KWILBANK
	WONTED GROUP TO GO TO NEW RELEASE (NORTH OF
	FRANCH HORSE). K. WILBAWKS HOD ALLEN HODGE/
	PHOENIX SNUIRENMANT THELE.
	SURVEYES
	PREA & DISCUSSED W/ENVILO THE SuggESTION
	of Digging 10 TRENCH TO RELAEVE WATER.
	I WAS ASKED BY K. WILBOWKS TO GO TO RELEOSE
	AREA WIHIM & A. HODGE, TO DISCUSS YPC
	Kamepinnen, I' DECLINED, BRIEFLY INFORMED
	BOTH MATTS PLAN (2' COMPACTED COLICHE &
	2' 07 LIKES Soils), A. HODGE SUGGESTED RED BLD
	CLAY OR SUNTHATIC LINER, HODGE ALSO
с.	SPOTGO THAT PROCTOR DENSITY SHOULD BE CONDUCTED.
	I SAID THOF I WOLLD CHECK W/WMOLD ABOUT
	BUTH, LEFT SITE ALTER
	GOING TO KENT BSK#1, STOPPED AT NMOCD (ARTESIA
	Office à SPOKE TO M. BRWICHER.

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## Status Report

Well/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)		Field Supervisor: Mike Farmer
Location: Section 31, T19S-R25E		Eddy County, NM
Latitude:	Longitude:	API # 30-015-26570
Surface Owner: Fee	Mineral Owner: Fee	Lease No.

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment
	CALLETE DENSIN #'S & PROCTOR DENSING, M.
	BLOTCHER SMO DERE IS LANGLINGE IN
	Guidelines on CHALLER DENSITY / PROLADE DUNSIN
	BUT the would not Reduce & MAD NSKRD
	ABOUT MOUNT A ROMIL LINER W(CALCHE :
	BACKful, M. BLATCHER SOID MAC COULD USE
	Eithen.
4/21/2014	MET WI M. BRISTCHER (NOMOCO ARTZSIA OFFICE.
	DISCUSSED Enclosed Somple Results, M. BRATCH
	REQUESTED FUR Atom DELINEATUN IN NB (NORAL
	BOTTOM SECTION FOR DECREASE IN CHLORIDES.
	SCHEDWERD SAMPLING WITHIT FOR WEDVESDAY, 4(23/14
	PIDAM. PER M. BRATCHER SAMPLE AREA
0	anos Ba BACKfuero when SAADOLAS TOKEN.
4(23) 2014	Somaryo (anciogas log), TO SEND TO CONDINAL
	To hum for CHLURIDES. COLLAS K. WILBAWKS TO
	NOTIFY, LALT VM, HOD MISSED COULFROM
	K. WILBONKS, COLLED BACK & SPOKE TO WOMAN
	WHO SOLD K. WILROWKS UNDVAILNBLE, & TOLD HER
	TASET VM EARLIER & IF QUESTONS K. WILBOWKS
10-10	COMP CALL MG, RECIEVER NO REPLEN CALL.
9/24/614	CALL K. WILBOWKS (KATEP/4PC SATINON CALL).
	INFORMED K. WILBONKS AFOR SOMPLES TAKEN
	& WHEN ACCEPTED BY WOODD, YATES WOLLD PROCEED
	W/BBCKFILL (Par 1/30/2014 MERTING W/ NMOCD, TNT,
	KWIUBPAKS & YPC2.
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## Status Report

Well/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)		Field Supervisor: Mike Farmer
Location: Section 31, T19S-R25E		Eddy County, NM
Latitude:	Longitude:	API # 30-015-26570
Surface Owner: Fee	Mineral Owner: Fee	Lease No.

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment
4125/2014	ANALYTICAL RESULTS (HADI 247, CARDINAL), BASED ON LESUITS WILL
	alingary Deepen for DECREASE 17 CHISMBES
3/2/2014	MET WILLERRY/THIT TO SCHEDULE Sompling WI TUPCHOE
	(5)512014).
5/5/1014	Somples (Enclosed 69), TELIVERED TO (DATOINDE W/244R
	TAT.
5/6/2014	ANALYNCAL RESULTS (H401364), BASED ON RESULTS
`	WILL MEET W(M. BRATCHER - MMOCD TO DISCUSS
	Uner 2 BACKFILL.
51812014	
	SAMPLE RESULTS. M. BRATCHER APPREVED LINER
	PIDI IN WEST SIDE (DEEP EXLAVATION AREA) 7
	BACKFILL.
5/13/014	MEETING @ WHI (K. WILDBANKS, JOHNIES/THAT & BOD
	Q. (ADL.). K. WILBANKS ASKED ABONG
	KIWILGANKS REDUKSTED HAT STOCK PILE BE BACKFILLED
	UNDER LINER ( SHOW OF CHLORIDES FROM PREVIOUS RAIN BET
	NOT CULLIMINY VISIBLE BE COUSE OF CURRENT BACKALL
	WOLK, I Agerge TO DO THOT. BACKFILL WORK TO STORT S
5/14/2014	RACIOP OF, 5/13 MALT IN S-MAIL TO M. BRATCHER,
	NMOOD (GINCIOSED).
5/21/014	

Received by OCD: 5/16/2022 1:04:31 PM

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## Status Report

Well/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)		Field Supervisor: Mike Farmer
Location: Section 31, T19S-R25E		Eddy County, NM
Latitude:	Longitude:	API # 30-015-26570
Surface Owner: Fee	Mineral Owner: Fee	Lease No.

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment	
5/22/2014		
9		
0		
Stan Com	MAJOR HAIN EVENT, FLUMM EXCANATION W/ RAINWATER	
612/2014	RAY M/TWT SAID EXCRUPTION STILL HAD RAINWATER	
	(ABOUT 3 TRUCK LOADS). TOULGO TO M. FARMER LOHO	
	HALLS WATER FOR HIM IN DREA, CHECKER WITTE & TO REQUEST GET WATER	
	HOUGEN DIF & FING. WHERE IT COMP BE DISPOSED/KING SWD	<i></i> ∦ι

Status Report

Well/Location Name: Barbara Federal #10 (Wilbanks Pipe Line Release)		Field Supervisor: Mike Farmer
Location: Section 31, T19S-R25E		Eddy County, NM
Latitude:	Longitude:	API # 30-015-26570
Surface Owner: Fee	Mineral Owner: Fee	Lease No.

Directions:

SITE RANKING IS Zero (0). Depth to Ground Water: >100' (approx. 228', per the ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment
6312014	CAUED CEASER/TCS, WILL MEET @ LOCETION TO
	BREIN HALLING OF RAINWATCH TO KING SWD #1.
	WILL START LATER TODAY. CAUGO KWILBANK
	GN WHOT YPL WANTED TO DO SO BACKFILL
	WORK COMP STORT UP SECONER, HE WAS
	OKRY W WATER HAVELANG. CHECKED LATER
	IN AFTER NOON (ABOUT BOM) TOLD TRUCK DIG VER
	To finjsy white Computing on blacking
	Bractin work Conning
6130/614	BACKFILL FINISHED, CONTACTED BY KAY MARANTINH
	to & DITAL AMERINE OF BACKLUN 1158.0
7121704	
+121 1010F	
7(2) 2014	Sugnitions (amouso) time Cold beaussing
(in the second	(Losuer po m. BAD TCHER / NMOCO I - ARTESIA.

Barbara Federal #10 Pipeline Closure Report #nJMW1331831899



May 5, 2022

## Appendix D Analytical Reports

energy opportunity growth



December 18, 2013

ROBERT ASHER YATES PETROLEUM CORPORATION 105 S 4th Street Artesia, NM 88210

RE: BARBARA FEDERAL #10

Enclosed are the results of analyses for samples received by the laboratory on 12/11/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager

Page 1 of 10


YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C01.0E (H302991-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1.95	97.6	2.00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.5	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	34.3	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	106 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 9	63.6-15	4						

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## \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C02.0E (H302991-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1.95	97.6	2,00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.5	% 89.4-12	6						
TPH 8015M	mg/	/kg	Analyze	d By: ms		57			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	44.4	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	106 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



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Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C03.0E (H302991-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1.95	97.6	2.00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.1	% 89.4-12	6			1			
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	35.1	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	109 9	65.2-14	0			ş			
Surrogate: 1-Chlorooctadecane	107 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

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1) I

Received:	12/11/2013	Sampling Date:	12/09/2013	
Reported:	12/18/2013	Sampling Type:	Soil	
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact	
Project Number:	30-015-26570	Sample Received By:	Kathy Perez	
Project Location:	EDDY COUNTY, NM			

## Sample ID: C00.25P (H302991-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1.95	97.6	2.00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.3	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	31.6	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	101 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 9	63.6-15	4						

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Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C01.0P (H302991-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1.95	97.6	2.00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.6	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	30.1	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	112 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



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Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C02.0E (H302991-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1,95	97.6	2.00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.9	% 89.4-12	б						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	36.6	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	112 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 9	63.6-15	4						

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9/2013
& Intact
y Perez

## Sample ID: C03.0E (H302991-07)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2013	ND	1.94	96.9	2.00	1.16	
Toluene*	<0.050	0.050	12/13/2013	ND	1.95	97.5	2.00	0.216	
Ethylbenzene*	<0.050	0.050	12/13/2013	ND	1.95	97.6	2.00	1.18	
Total Xylenes*	<0.150	0.150	12/13/2013	ND	5.83	97.2	6.00	2.07	
Total BTEX	<0.300	0.300	12/13/2013	ND			â		
Surrogate: 4-Bromofluorobenzene (PIL	99.2	% 89.4-12	6	4					
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2013	ND	157	78.5	200	4.34	
DRO >C10-C28	33,8	10.0	12/16/2013	ND	194	96.8	200	2.72	
Surrogate: 1-Chlorooctane	115 9	65.2-14	0		a				
Surrogate: 1-Chlorooctadecane	120 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

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

## **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 SM4500CI-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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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December 18, 2013

Page 46 of 97

ROBERT ASHER

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: BARBARA FEDERAL #10

Enclosed are the results of analyses for samples received by the laboratory on 12/11/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene Lab Director/Quality Manager



YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C01.0E (H302991-01)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	12/18/2013	ND	416	104	400	0.00	

## Sample ID: C02.0E (H302991-02)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	12/18/2013	ND	416	104	400	0.00	

## Sample ID: C03.0E (H302991-03)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	12/18/2013	ND	416	104	400	0.00	

## Sample ID: C00.25P (H302991-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	12/18/2013	ND	416	104	400	0.00	

## Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Lisbility and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All daims, including those for negligence and any other cause whitspecter shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incound by Client, its subsidiaries, affidates or successons arising out of or related to the participations or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	12/11/2013	Sampling Date:	12/09/2013
Reported:	12/18/2013	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	Cool & Intact
Project Number:	30-015-26570	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

## Sample ID: C01.0P (H302991-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	12/18/2013	ND	416	104	400	0.00	

## Sample ID: C02.0E (H302991-06)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	12/18/2013	ND	416	104	400	0.00	

## Sample ID: C03.0E (H302991-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	12/18/2013	ND	416	104	400	0.00	

## Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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

## **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

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, atiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

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# LABORATORY REPORT

Client Yates Petroleum Corporation 105 S. 4th Street Artesia, NM 88210

> Order Number 1400002

# **Project Number**

Barbara Federal #10

Issued Wednesday, January 08, 2014

**Total Number of Pages** 5 (excluding C.O.C. and cooler receipt form)

Approved By :

QA Manager



Certifications: A2LA/DOD 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Michigan (Reg.5), Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 5 WG-15J, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

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# **Sample Summary**

Client: <u>Yates Petroleum Corporation</u> Order Number: <u>1400002</u>

Laboratory ID	Client ID	Matrix	Sampling Date
1400002-01	c04.0.E	Solid	12/31/2013
1400002-02	c05.0.E	Solid	12/31/2013
1400002-03	c06.0.E	Solid	12/31/2013
1400002-04	c07.0.E	Solid	12/31/2013
1400002-05	c08.0.E	Solid	12/31/2013
1400002-06	c09.0.E	Solid	12/31/2013
1400002-07	c04.0.P	Solid	12/31/2013
1400002-08	c05.0.P	Solid	12/31/2013
1400002-09	c06.0.P	Solid	12/31/2013
1400002-10	c07.0.P	Solid	12/31/2013
1400002-11	c08.0.P	Solid	12/31/2013
1400002-12	c09.0.P	Solid	12/31/2013

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# **Report Narrative**

# Client: Yates Petroleum Corporation

Order Number: 1400002

Solid sample results are reported on a wet weight basis except as noted. No problems were encountered during analysis of this order number, except as noted.

Method numbers, unless specified as SM or ASTM, are EPA methods.

Data Qualifiers:

- B = Analyte found in the method blank
- J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)
- C = Analyte has been confirmed by another instrument or method
- E = Analyte exceeds the upper limit of the calibration curve.
- D = Sample or extract was analyzed at a higher dilution
- X = User defined data qualifier.
- S = Surrogate out of control limits
- U = Undetected

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a = Not Accredited by NELAC

ND = Non Detected at LOQ DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor) Limit Of Detection (LOD) = Method Detection Limit Practical Quantitation Limit (PQL) = (same as LOQ) Method Detection Limit (MDL) = (same as LOD) Reporting Detection Limit (RDL) = (same as LOD)

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

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Matrices: A = Air C = Cream DW = Drinking Water L = Liquid O = Oil SL = Sludge SO = Soil S = Solid T = Tablet TC = TCLP Extract WW = Waste Water W = Wipe

3

January 08, 2014

Client: Yates Petroleum Corporation Address: 105 S. 4th Street Artesia, NM 88210

## Received: 1/3/2014 Project #: Barbara Federal #10

<u>Client ID#</u> c04.0.E	<u>Lab ID#</u> 1400002-01	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 3858.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 06-Jan-14 KRC
<u>Client ID#</u> c05.0.E	<u>Lab ID#</u> 1400002-02	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 2615.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
Client ID# c06.0.E	<u>Lab ID#</u> 1400002-03	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 3101.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
<u>Client ID#</u> c07.0.E	<u>Lab ID#</u> 1400002-04	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 2370.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
Client ID# c08.0.E	<u>Lab ID#</u> 1400002-05	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 2835.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
<u>Client ID#</u> c09.0.E	<u>Lab ID#</u> 1400002-06	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 2230.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
<u>Client ID#</u> c04.0.P	<u>Lab ID#</u> 1400002-07	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 1286.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
Client ID# c05.0.P	<u>Lab ID#</u> 1400002-08	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 958.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
<u>Client ID#</u> c06.0.P	<u>Lab ID#</u> 1400002-09	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 1041.0	<u>Units Matrix Method</u> DF mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC
<u>Client ID#</u> c07.0.P	<u>Lab ID#</u> 1400002-10	Collected Analyte 31-Dec-13 Chloride	<u>Result</u> 1203.0	<u>Units Matrix Method DF</u> mg/Kg S 9056/300 1 .0	LOQ Run Analyst 50 07-Jan-14 KRC

Page 4

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January 08, 2014

Client: Yates Petroleum Corporation Address: 105 S. 4th Street Artesia, NM 88210

Received: 1/3/2014 Project #: Barbara Federal #10

<u>Client ID#</u> c08.0.P	Lab ID#     Collected     Analyte       1400002-11     31-Dec-13 Chloride	<u>Result</u> 883.9	Units Matrix Method DF LOQ Run Analyst mg/Kg S 9056/300 1 50 07-Jan-14 KRC .0
Client ID# c09.0.P	Lab ID#         Collected         Analyte           1400002-12         31-Dec-13 Chloride	<u>Result</u> 824.7	<u>Units Matrix Method DF LOQ Run Analyst</u> mg/Kg S 9056/300 1 50 07-Jan-14 KRC .0



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Analysis Reque

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205.0 F	12/31/13	9:20A	×	S	N/A		-	×		-
	12/31/13	9:30A	×	S	N/A	-	_	×		
200.0.E	12/31/13	9:40A	×	S	N/A	-	$\downarrow$	×		
c08.0.E	12/31/13	9:50A	×	S	N/A	-	+	×		
c09.0.E	12/31/13	10:00A	×	S	N/A	-	_	×		
c04.0.P	12/31/13	10:10A	×	S	N/A	-	-	×		
c05.0.P	12/31/13	10:20A	×	S	N/A	-		×	_	
ICU6.0.P	12/31/13	10:30A	×	S	N/A	-	+	×		+
c07.0.P	12/31/13	10:40A	×	S	N/A	-	+	×		$\frac{1}{1}$
c08.0.P	12/31/13	10:50A	×	S	N/A	-	+	×		
c09.0.P	12/31/13	11:00A	×	s	NA	-	╇	×		
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Ound I lat late 10:07 K					Please	Please Note New P.O Number	w P.O	Number		
A Received in Lab by Date 1 time	Kush Kequested: Must be approve	I Requested: UR lust be approved by Lab Manager	uay(s) anager	(2)						

March 06, 2014

Page 58 of 97

ROBERT ASHER YATES PETROLEUM CORPORATION 105 S 4th Street Artesia, NM 88210

**RE: BARBARA FEDERAL #10** 

Enclosed are the results of analyses for samples received by the laboratory on 03/05/14 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received: Reported: Project Name: Project Number: Project Location:	03/05/2014 03/06/2014 BARBARA FEDERAL #10 30-015-26570 EDDY COUNTY, NM	Y	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	03/04/2014 Soil ** (See Notes) Jodi Henson
---	--	---	--	---

## Sample ID: C04X2 (NSW) (H400677-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/06/2014	ND	432	108	400	0.00	

## Sample ID: C04XX2 (ESW) (H400677-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/06/2014	ND	432	108	400	0.00	

## Sample ID: C04X2 (SESW) (H400677-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/06/2014	ND	432	108	400	0.00	

## Sample ID: C04X2 (SSW) (H400677-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/06/2014	ND	432	108	400	0.00	

Page 59 of 97

## **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the appCoale service. In no event shall Cardinal be liable for incidental or consequential dumages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, altitates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

## **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 SM4500CI-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

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for indefential or consequential damages, including, whotow limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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	Temper	Sample: Hand Delivered by Sampler/Client Rep by Courier?	Labels on container(s) (%) Custody seals on container(s) Custody seals on cooler(s))	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	$\vdash$	<u> </u>			-		×	×	×	×	Anions (CI)	· ·	5			×	PO #: 103632	<u>اللا</u>	30	<u>8</u>		AND
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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

March 28, 2014

Robert Asher Yates Petroleum Corporation 105 South 4th Street Artesia, NM 88210 TEL: (575) 748-4217 FAX:

RE: Barbara Federal #10

Dear Robert Asher:

Order No.: 14032304

Summit Environmental Technologies, Inc. received 15 sample(s) on 3/26/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

)on Gibi

Dara Gilger

3310 Win St. Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

Received by OCD: 5/16/2022 1:04:31 PM

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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

# Workorder Sample Summary WO#: 14032304

28-Mar-14

CLIENT: Project:	Yates Petroleum Corpor Barbara Federal #10	ation			
Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14032304-001	c01.0.N		3/20/2014 10:10:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-002	c02.0.N		3/20/2014 10:15:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-003	c03.0.N		3/20/2014 10:20:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-004	c01.0.S		3/20/2014 10:25:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-005	c02.0.S		3/20/2014 10:30:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-006	c03.0.S		3/20/2014 10:35:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-007	c010.0.WNSW		3/20/2014 10:40:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-008	c10.0.WWSW		3/20/2014 10:45:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-009	c11.0.NB		3/20/2014 10:50:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-010	c12.0.NB		3/20/2014 10:55:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-011	c13.0.NB		3/20/2014 11:00:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-012	c10.0.WSSW		3/20/2014 11:05:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-013	c11.0.SB		3/20/2014 11:10:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-014	c12.0.SB		3/20/2014 11:15:00 AM	3/26/2014 9:45:00 AM	Solid
14032304-015	c13.0.SB		3/20/2014 11:20:00 AM	3/26/2014 9:45:00 AM	Solid

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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

# **Case Narrative**

WO#: 14032304 Date: 3/28/2014

CLIENT:Yates Petroleum CorporationProject:Barbara Federal #10

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc. Work Order Number assigned to this report.

Paginated Report including: Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports and copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the Limit of Quantitation (LOQ) but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Any comments or problems with the analytical events associated with this report are noted below.

		TECHNOLOGIES, atoríes	TEL: (330) 253-8211	3310 oga Falls, Ohio	Win St. 44223 3-4489	WO Date Reporte Compan Addres Receive	d: 3/28/201 y: Yates P s: 105 Sou Artesia	4 etrole 1th 4th NM		oration	
						Project	#: Barbara	Fede	ral		
Client ID#	Lab ID#	Collected An	alyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c01.0.N	001	3/20/2014 Ch	loride	ND	mg/Kg	Solid	EPA 9056 A	1	50	3/27/2014	SG
Client ID#	Lab ID#	Collected An	alyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c02.0.N	002	3/20/2014 Ch	loride	ND	mg/Kg	Solid	EPA 9056 A	. 1	50	3/27/2014	SG
Client ID#	Lab ID#	Collected An	alyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c03.0.N	003	3/20/2014 Ch	lloride	ND	mg/Kg	Solid	EPA 9056 A	1	50	3/27/2014	SG
Client ID#	Lab ID#	Collected An	alvte	Result		Matrix	Method	DF	RL	Run	Analyst
c01.0.S	004	3/20/2014 Ch			mg/Kg	Solid	EPA 9056 A	1	50	3/27/2014	SG
Client ID#		Collected An		Result		Matrix	Method	DF	RL	Run	Analyst
c02.0.S	005	3/20/2014 Ch			mg/Kg	Solid	EPA 9056 A		50	3/27/2014	SG
Client ID#		Collected An		Result		Matrix		DF	RL	Run	Analyst
	006	3/20/2014 Ch			mg/Kg	Solid	EPA 9056 A		50	3/28/2014	SG
c03.0.S											
Client ID#	Lab ID#	Collected An	alyte	Result		Matrix	Method	DF	RL	Run	Analyst
c010.0.WNSW	007	3/20/2014 Ch	nloride	970	mg/Kg	Solid	EPA 9056 A	. 1	50	3/28/2014	SG
Client ID#	Lab ID#	Collected An	alyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c10.0.WWSW	008	3/20/2014 TF	PH-DRO	ND	mg/Kg	Solid	EPA 8015 C	; 1	50	3/27/2014	AMZ
c10.0.WWSW	008	3/20/2014 1,3	2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c10.0.WWSW	008		3,5-Trichlorobenzene		mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014 Be			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014 Et			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014 m			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014 M			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014 o-2			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG CLG
c10.0.WWSW	008	3/20/2014 To			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014 3/26/2014	CLG
c10.0.WWSW	008		Surr: PID a,a,a-TFT		%REC	Solid	EPA 8021 B		70-130		
c10.0.WWSW	008	3/20/2014 TF			mg/Kg	Solid	EPA 8015 B		10	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014	Surr: FID a,a,a-TFT	105	%REC	Solid	EPA 8015 B	3 1	70-130	3/26/2014	CLG
c10.0.WWSW	008	3/20/2014 Cł	loride	1500	mg/Kg	Solid	EPA 9056 A	1	50	3/28/2014	SG

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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

WO#:	14032304
Date Reported:	3/28/2014
Company:	Yates Petroleum Corporation
Address:	105 South 4th Street
	Artesia NM 88210
Received:	3/26/2014
Project#:	Barbara Federal

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c11.0.NB	009	3/20/2014	TPH-DRO	ND	mg/Kg	Solid	EPA 8015 C	1	50	3/27/2014	AMZ
c11.0.NB	009	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	1,3,5-Trichlorobenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	Benzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	Ethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	m,p-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	MTBE	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	o-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	Toluene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.NB	009	3/20/2014	Surr: PID a,a,a-TFT	114	%REC	Solid	EPA 8021 B	1	70-130	3/26/2014	CLG
c11.0.NB	009	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 B	1	10	3/26/2014	CLG
c11.0.NB	009	3/20/2014	Surr: FID a,a,a-TFT	104	%REC	Solid	EPA 8015 B	1	70-130	3/26/2014	CLG
c11.0.NB	009	3/20/2014	Chloride	2200	mg/Kg	Solid	EPA 9056 A	1	50	3/28/2014	SG
Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analys
c12.0.NB	010	3/20/2014	TPH-DRO	ND	mg/Kg	Solid	EPA 8015 C	1	50	3/27/2014	AMZ
c12.0.NB	010	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	1,3,5-Trichlorobenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	Benzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	Ethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	m,p-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	MTBE	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014		ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	Toluene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.NB	010	3/20/2014	Surr: PID a,a,a-TFT	105	%REC	Solid	EPA 8021 B	1	70-130	3/26/2014	CLG
c12.0.NB	010	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 B	1	10	3/26/2014	CLG
c12.0.NB	010	3/20/2014		94.7	%REC	Solid	EPA 8015 B	1	70-130	3/26/2014	CLG
c12.0.NB	010	3/20/2014		2200	mg/Kg	Solid	EPA 9056 A	1	50	3/28/2014	SG
Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analys
c13.0.NB	011	3/20/2014	TPH-DRO	ND	mg/Kg	Solid	EPA 8015 C	1	50	3/27/2014	AMZ
c13.0.NB	011	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.NB	011		1,3,5-Trichlorobenzene		mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.NB	011		Benzene		mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.NB	011		Ethylbenzene		mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c13.0.NB	011		m,p-Xylene		mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.NB	011	3/20/2014			mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.NB	011		o-Xylene		mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c13.0.NB	011	3/20/2014			mg/Kg	Solid	EPA 8021 B		0.0050	3/26/2014	CLG
c13.0.NB	011	3/20/2014			%REC	Solid	EPA 8021 B		70-130	3/26/2014	CLG
	011	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 B	1	10	3/26/2014	CLG
c13.0.NB											010
c13.0.NB c13.0.NB	011	3/20/2014	Surr: FID a,a,a-TFT	105	%REC	Solid	EPA 8015 B	1	70-130	3/26/2014	CLG

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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

WO#:	14032304
Date Reported:	3/28/2014
Company:	Yates Petroleum Corporation
Address:	105 South 4th Street
	Artesia NM 88210
Received:	3/26/2014
Project#:	Barbara Federal

								204 2000034			
Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c10.0.WSSW	012	3/20/2014	TPH-DRO	ND	mg/Kg	Solid	EPA 8015 C	1	50	3/27/2014	AMZ
c10.0.WSSW	012	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	1,3,5-Trichlorobenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	Benzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	Ethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	m,p-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	MTBE	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	o-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	Toluene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	Surr: PID a,a,a-TFT	107	%REC	Solid	EPA 8021 B	1	70-130	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 B	1	10	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	Surr: FID a,a,a-TFT	106	%REC	Solid	EPA 8015 B	1	70-130	3/27/2014	CLG
c10.0.WSSW	012	3/20/2014	Chloride	1500	mg/Kg	Solid	EPA 9056 A	1	50	3/28/2014	SG
Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c11.0.SB	013	3/20/2014	TPH-DRO	ND	mg/Kg	Solid	EPA 8015 C	1	50	3/27/2014	AMZ
c11.0.SB	013	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	1,3,5-Trichlorobenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	Benzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	Ethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	m,p-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	MTBE	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	o-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	Toluene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c11.0.SB	013	3/20/2014	Surr: PID a,a,a-TFT	86.4	%REC	Solid	EPA 8021 B	1	70-130	3/26/2014	CLG
c11.0.SB	013	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 B	1	10	3/26/2014	CLG
c11.0.SB	013	3/20/2014		78.4	%REC	Solid	EPA 8015 B	1	70-130	3/26/2014	CLG
c11.0.SB	013	3/20/2014	Chloride	2500	mg/Kg	Solid	EPA 9056 A	1	50	3/28/2014	SG
Client ID#	Lab ID#	Collected	l Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c12.0.SB	014	3/20/2014	TPH-DRO	ND	mģ/Kg	Solid	EPA 8015 C	; 1	50	3/27/2014	AMZ
c12.0.SB	014	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c12.0.SB	014	3/20/2014	1,3,5-Trichlorobenzene	ND	mg/Kg	Solid	EPA 8021 E	3 1	0.0050	3/26/2014	CLG
c12.0.SB	014	3/20/2014	Benzene	ND	mg/Kg	Solid	EPA 8021 E	3 1	0.0050	3/26/2014	CLG
c12.0.SB	014		Ethylbenzene		mg/Kg	Solid	EPA 8021 E	3 1	0.0050	3/26/2014	CLG
c12.0.SB	014	3/20/2014	m,p-Xylene	ND	mg/Kg	Solid	EPA 8021 E	3 1	0.0050	3/26/2014	CLG
c12.0.SB	014	3/20/2014		ND	mg/Kg	Solid	EPA 8021 E	31	0.0050	3/26/2014	CLG
c12.0.SB	014		o-Xylene	ND	mg/Kg	Solid	EPA 8021 E	31	0.0050	3/26/2014	CLG
c12.0.SB	014		Toluene	ND	mg/Kg	Solid	EPA 8021 E	31	0.0050	3/26/2014	CLG
c12.0.SB	014	3/20/2014		92.8	%REC	Solid	EPA 8021 E	3 1	70-130	3/26/2014	CLG
	014	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 E	3 1	10	3/26/2014	CLG
c12.0.SB	014	0/20/2014									010
c12.0.SB c12.0.SB	014	3/20/2014			%REC	Solid	EPA 8015 E	3 1	70-130	3/26/2014	CLG



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WO#:	14032304
Date Reported:	3/28/2014
Company:	Yates Petroleum Corporation
Address:	105 South 4th Street
	Artesia NM 88210
Received:	3/26/2014
Project#:	Barbara Federal

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
c13.0.SB	015	3/20/2014	TPH-DRO	ND	mg/Kg	Solid	EPA 8015 C	1	50	3/27/2014	AMZ
c13.0.SB	015	3/20/2014	1,2,4-Trimethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	1,3,5-Trichlorobenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	Benzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	Ethylbenzene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	m,p-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	MTBE	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	o-Xylene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	Toluene	ND	mg/Kg	Solid	EPA 8021 B	1	0.0050	3/26/2014	CLG
c13.0.SB	015	3/20/2014	Surr: PID a,a,a-TFT	109	%REC	Solid	EPA 8021 B	1	70-130	3/26/2014	CLG
c13.0.SB	015	3/20/2014	TPH-GRO	ND	mg/Kg	Solid	EPA 8015 B	1	10	3/26/2014	CLG
c13.0.SB	015	3/20/2014	Surr: FID a,a,a-TFT	101	%REC	Solid	EPA 8015 B	1	70-130	3/26/2014	CLG
c13.0.SB	015	3/20/2014	Chloride	150	mg/Kg	Solid	EPA 9056 A	1	50	3/28/2014	SG

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# Analysis Request / Chain of Custody For Summit Environmental Technologies, Inc. use only

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# Analysis Request / Chain of Custody For Summit Environmental Technologies, Inc. use only

Page of SET No	第1日13月1日 第1日13月1日 第1日	Barbara Federal #10			troleum.com	PO Number		xulle) 11M + 10 1390 11 Pill 11 Pill 11 Pill 12 Pill 13 Pill 13 Pill 13 Pill 14 Pill 1	Infination Collected Collected Colle	11:10 X S ICE 1 X X	11:15 X S ICE 1 X X	ICE 1 X X						Comments:     Date:     Date:       C 22 A-     Please Note New P.O Number 72HR TAT PLEASE	Rus	OG 45 Must be approved by Lab Manager
Cuyahoga Falls, Chio 44223 800-278-0140	Client Name Project Identifica	oleum Corporation	<u>a</u>	105 S. 4th Street, Artesia, NM 88210 30-015-265	7	×	teher Control of the server o		# Sample Identification	c11.0.SB	c12.0.SB	c13.0.SB						Relinquished by: Date Time 1 Pro 14/1 2/24/14 822 A-		1 57 W 13/210/11 03-42 1

Rev. 12 Date: 07/27/13

	Summit Enviror	mental Techn	ologies, In	c.
Wile is block results)       N       N         "Use is block per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified         C-O-C filled out property       N       N/A         Samples in separate bags       N       N/A         Sample containers intact*       N       N/A         "If no, list broken sample(s):       N       N/A         Sample label(s) complete (ID, date, etc.)       N       N/A         Label(s) agree with C-O-C       Y       N       N/A         Sufficient sample received       N       N/A         Sufficient sample solutions       Y       N       N/A         Sufficient samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm.       N/A       N/A         Was client contacted about samples       Y       N       N/A         Will client send new samples       Y       N       N/A         Uilent contact:	Client:	Initials of person Order Number: Date cooler(s N/A Walk-in Pickup Paper Foam Nor N (C) present / absen c 2.3	n inspecting cod ) opened and t Other: N N N N N N	amples inspected; 3/26
Samples in separate bags       N       N/A         Sample containers intact*       N       N/A         "If no, list broken sample(s):	**Use 1 sheet per sample for Radiological Testing. If Immediately.	Y sample is HOT, the	N Radiological \$	Safety Officer must be notified
Sample label(s) complete (ID, date, etc.)       N       N/A         Label(s) agree with C-O-C       N       N/A         Correct containers used       N       N/A         Sufficient sample received       N       N/A         Bubbles absent from 40 mL vials**       Y       N         ** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm.       N/A         Was client contacted about samples       Y       N         Y       N       N/A         Uill client send new samples       Y       N         Date/Time:	C-O-C filled out properly Samples in separate bags Sample containers intact*	(J)(J)()	N N	N/A N/A
Comments:	Label(s) agree with C-O-C Correct containers used Sufficient sample received Bubbles absent from 40 rmL vials** *** Samples with bubbles <6mm are acceptable. Indicate b Was client contacted about samples Will client send new samples Y Client contact: Date/Time: Logged in by:	N	N N N	N/A N/A N/A
	Comments:	· · · · · · · · · · · · · · · · · · ·		

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April 11, 2014

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Received by OCD: 5/16/2022 1:04:31 PM

Robert Asher Yates Petroleum Corporation 105 South 4th Street Artesia, NM 88210 TEL: (575) 748-4217 FAX:

RE: Barbara Federal #10

Dear Robert Asher:

Order No.: 14040875

Summit Environmental Technologies, Inc. received 2 sample(s) on 4/10/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

)an Gili

Dara Gilger

3310 Win St. Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

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## Workorder Sample Summary WO#: 14040875

14040875 11-Apr-14

CLIENT: Project:	Yates Petroleum Corpor Barbara Federal #10	ation			
Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14040875-001	c12.0.SW		4/8/2014 10:30:00 AM	4/10/2014 9:20:00 AM	Solid
14040875-002	c12.0.SP		4/8/2014 10:35:00 AM	4/10/2014 9:20:00 AM	Solid

11/14

Released to Imaging: 5/31/2022 9:34:14 AM

Received by OCD: 5/16/2022 1:04:31 PM



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u> **Case Narrative** 

WO#: 14040875 Date: 4/11/2014

CLIENT:Yates Petroleum CorporationProject:Barbara Federal #10

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc. Work Order Number assigned to this report.

Paginated Report including: Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports and copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the Limit of Quantitation (LOQ) but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Any comments or problems with the analytical events associated with this report are noted below.

Original Page 3 of 4

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			IES, INC	Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 EL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>	WO Date Reporte Company Addres Receive Project	<ul> <li>d: 4/11/2014</li> <li>y: Yates Petrolet</li> <li>s: 105 South 4th Artesia NM 8</li> <li>d: 4/10/2014</li> </ul>	Street 38210	poration	
Client ID#	Lab ID#	Collected	Analyte	Result Units	Matrix	Method DF	RL	Run	Analyst
c12.0.SW	001	4/8/2014	Chloride	710 mg/Kg	Solid	EPA 9056 A 1	50	4/11/2014	SG
Client ID#	Lab ID#	Collected	Analyte	Result Units	Matrix	Method DF	RL	Run	Analyst
c12.0.SP	002	4/8/2014	Chloride	240 mg/Kg	Solid	EPA 9056 A 1	50	4/11/2014	SG

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Rev. 12 Date: 07/27/13

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Summit En	vironmental Te Cooler Receipt	chnologias, l Form	nc.	Δ
	÷		0	Ale
later	Initials of	person inspecting c	ooler and samples:	KV
Client:	Order Nu			
Date Received 2 10. Time Received:	0920 Date c	cooler(s) opened and	samples inspected:	110
Number of Coolers/Boxes:	N/A			1
Shipper FEDEX UPS DHL Airborne U	IS Postal Welk-in F	Pickup Other:		
Packaging: Peanuts (Babble	Wrap Caper Foan	None Other:		
Tape on cooler/box;	¢	N	N/A	
Custody Seals intact	(C)	N	N/A	
C-O-C in plastic	$\overline{\mathbf{O}}$	N	N/A	
Ice V Blue ice X	present	absent / melted	N/A	
Sample Temperature IR Gun #16020459 CF_C	).0 °C 4	.7_°c	N/A	
Radiological Testing Instrument serial #35127	Y	N	(N/A)	
(see page 2 for scan results) **Use 1 sheet per sample for Radiological Tes Immediately.	sting. If sample is H0	OT, the Radiologica	al Safety Officer must be	notified
C-O-C filled out properly	(r)	N	N/A	
Samples in separate bags	Ø	N	N/A	
Sample containers intact*	$\overline{\mathcal{A}}$	N	N/A	
*If no, list broken sample(s):				
Sample label(s) complete (ID, date, etc.)	R	N	N/A	
Label(s) agree with C-O-C	Ã	N	N/A	
Correct containers used	(A)	N	N/A	
Sufficient sample received	×	Ň	N/A	
Bubbles absent from 40 mL vials**	Y	N	ATTA	
** Samples with bubbles <6mm are acceptable.	Indicate bubble size if		$\sim$	
Was client contacted about samples	Y	N		
Will client send new samples	Y	N		
Client contact:			/	
Date/Time:		_		
Logged in by:		-		
Comments:				
		سلىغانى والزين الباغين والمراجبين		

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Received by OCD: 5/16/2022 1:04:31 PM



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Page of SET No.	Analytical Parameters and Methods	Preservative Munber of Containers BTEX + MTBE + TMB's (8021) TPH Method 8015B (Gas/Diesel) Anions (Cl)		ICE 1 X						Notes / Comments: Diasce Note Naw P.O.Niimber 24HB TAT DI FASE		
	#10	Composite       Composite       Connposite       Connected       Connected       Connected       Connected	04/08/14 10:30 X S	10:35 X						Received by: Date Date		Rush Requested: Day(s) Must be approved by Lab Manager
Cuyenbga Fails, Ohio 44223 800-278-0140	Client Name     Project Identification       Yates Patroleum Corporation     Barbara Federal #10       Client Address     Project Address	Street, Artesia, NM 88210 17	c12.0.SW	c12.0.SP					夢し酒	by meridian Date and Time	Perminen 4911 4 7252	Released to Imaging: 5/31/2022 9:34:14 AM



April 25, 2014

ROBERT ASHER YATES PETROLEUM CORPORATION 105 S 4th Street Artesia, NM 88210

**RE: BARBARA FEDERAL #10** 

Enclosed are the results of analyses for samples received by the laboratory on 04/25/14 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="http://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="http://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Received by OCD: 5/16/2022 1:04:31 PM

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	04/25/2014	Sampling Date:	04/23/2014
Reported:	04/25/2014	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	** (See Notes)
Project Number:	30-015-26570	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: C14.0.NB (H401247-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	04/25/2014	ND	432	108	400	3.64		
(c) a second se second second sec										_

#### Sample ID: C15.0.NB (H401247-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	04/25/2014	ND	432	108	400	3.64	

#### Sample ID: C16.0.NB (H401247-03)

Chloride, SM4500Cl-B	SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	04/25/2014	ND	400	100	400	7.69	

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\*=Accredited Analyte

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Celez D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



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

#### **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. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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May 06, 2014

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ROBERT ASHER

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: BARBARA FEDERAL #10

Enclosed are the results of analyses for samples received by the laboratory on 05/05/14 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager

Page 1 of 5

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#### Analytical Results For:

YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	05/05/2014	Sampling Date:	05/05/2014
Reported:	05/06/2014	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	** (See Notes)
Project Number:	30-015-26570	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: C18.0.NB (H401364-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	7300	16.0	05/06/2014	ND	400	100	400	0.00			

#### Sample ID: C20.0.NB (H401364-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	05/06/2014	ND	400	100	400	0.00	

#### Sample ID: C22.0.NB (H401364-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	05/06/2014	ND	400	100	400	0.00	

#### Sample ID: C24.0.NB (H401364-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/06/2014	ND	400	100	400	0.00	

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\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



1

#### Analytical Results For:

YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 (505) 748-4635 Fax To:

Received:	05/05/2014	Sampling Date:	05/05/2014
Reported:	05/06/2014	Sampling Type:	Soil
Project Name:	BARBARA FEDERAL #10	Sampling Condition:	** (See Notes)
Project Number:	30-015-26570	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: C26.0.NB (H401364-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	05/06/2014	ND	400	100	400	0.00	

#### Sample ID: C28.0.NB (H401364-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	05/06/2014	ND	400	100	400	0.00	

#### Sample ID: C30.0.NB (H401364-07)

Chloride, SM4500CI-B		mg,	/kg	Analyze	d By: AP					
Analyte	а) (	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		3120	16.0	05/06/2014	ND	400	100	400	0.00	

#### Sample ID: C32.0.NB (H401364-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	05/06/2014	ND	400	100	400	0.00	

\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

#### **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 SM4500CI-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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Celuz D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5

Districted by	Relinquished by:	Relinquished by:	Special Instructions: RUSH		8 232.0.NB	7 630 050	(c28.0.NB	5 c26.0.NB	4 c24.0.NB	22.5	2 c20.0.NB	I c18.0.NB		B # (lab uso only)	H4013104	Sampler Signature:			City/State/Zip: Artesia, NM 88210	Company Address: 105 South 4th Street	Comp: (505) 393-2325 Yates Petroleum Corporation	
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May 5, 2022

# Appendix E Original C-141 Final

energy opportunity growth

District I         1625 N. French Dr., Hobbs, NM 88240         District II         1301 W. Grand Avenue, Artesia, NM 88210         District III         1000 Rio Brazos Road, Aztec, NM 87410         District IV         1220 S. St. Francis Dr., Santa Fe, NM 87505         Name of Company         Yates Petroleum Corporation         Address         104 S. 4 <sup>TH</sup> Street         Facility Name         Barbara #1 Pipe Line         Surface Owner	Releas	Energy Mi Oil C 1220 Sa se Notific	nerals Conser South anta Fe cation PERA nber	vation Div St. Franc , NM 875 n and Co TOR Contact Robert Ashe Telephone N 575-748-14 Facility Typ	ico I Resources vision is Dr. 05 <b>prrective A</b> prective A no. 71	JUL	☐ Initial Report ⊠ Final R				
Fee			Jwner				Lease N	NO.			
Unit Letter Section Township 31 198	Range Fe 25E	eet from the	North	N OF REI South Line	Feet from the	East/We	est Line	County Eddy			
				Longitue OF REL							
Type of Release Produced Water Source of Release Pipe line Was Immediate Notice Given?	Yes 🗌 N	• • Not R		Volume of Unknown Date and H 11/2/2013 If YES, To	Release B/PW Iour of Occurrenc - AM	e 1	Unknowr	Hour of Discovery			
If a Watercourse was Impacted, Describ N/A Describe Cause of Problem and Remed Buried pipe line from the Barbara #10	Yes 🛛 N be Fully.* ial Action Ta	aken.*	he Wilba	N/A	(E-mail) olume Impacting t			ruck(s) called, Backhoe crew			
called. Describe Area Affected and Cleanup A An approximate area of 300' X 200'. L and sprayed area, hauled to an NMOCI (chlorides for documentation). Depth t Surface Water Body: > 1000', SITE D been backfilled per NMOCD approve I hereby certify that the information give regulations all operators are required to public health or the environment. The should their operations have failed to an or the environment. In addition, NMOC federal, state, or local laws and/or regulations	ine repaired, approved fa o Ground W CANKING I al and analy ren above is to report and/o acceptance o dequately inv CD acceptance	release area a acility. Vertice /ater: >100' (S 0. Based o tical data, Y true and comp or file certain f a C-141 rep yestigate and	al and h (228' Cl n impac ates Pet olete to t release n ort by th remediat	orizontal delin nevronTexac ated soils exca roleum Corp he best of my notifications a e NMOCD m te contaminati	neation samples w o Trend Map), W avated/hauled to oration requests knowledge and u nd perform correct arked as "Final R ion that pose a thr	vill be tak Vellhead an NMO closure. Inderstand ctive actio eport" do eat to gro	en and an Protectio CD appu I that pur ons for rel es not rel und wate	alysis ran for TPH & BTEX on Area: No, Distance to coved facility, excavation has suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health			
Signature: CAQA	Ø						ATION	DIVISION			
Printed Name: Robert Asher		,		Approved by	District Supervis	or:					
And their operations have failed to a or the environment. In addition, NMO federal, state, or local laws and/or regul Signature: Printed Name: Robert Asher Title: NM Environmental Regulatory S E-mail Address: boba@yatespetoleum. Date: Wednesday, July 02, 2014 * Attach Additional Sheets If Necessa	com	575-748-147		Approval Da Conditions o 2RP - 2061	f Approval:	E	xpiration	Date:			
* Attach Additional Sheets If Necessa		210 110 141	- 1	2111 - 2001				1			

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Barbara Federal #10 Pipeline Closure Report #nJMW1331831899



May 5, 2022

# **Appendix F** Current C-141 Closure Request

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	nJMW1331831899
District RP	2RP-2061
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party EOG Resources, Inc.	OGRID 7377		
Contact Name Chase Settle	Contact Telephone 575-748-1471		
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nJMW1331831899		
Contact mailing address 104 S. 4th Street, Artesia, NM 88210			

## Location of Release Source

Latitude 32.61699

Longitude -104.51718 (NAD 83 in decimal degrees to 5 decimal places)

Site Name Barbara #10 Pipeline	Site Type Pipeline
Date Release Discovered 11/02/2013	API# (if applicable) 30-015-26570

Unit Letter	Section	Township	Range	County
1	31	19S	25E	Eddy

Surface Owner: State Federal Tribal Private (Name:

## Nature and Volume of Release

Crude Oil	l(s) Released (Select all that apply and attach calculations or specific Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Ves No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Please refer to original C-141 for details of 2RP-2061.

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### State of New Mexico Oil Conservation Division

Incident ID	nJMW1331831899	
District RP	2RP-2061	
Facility ID		
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Unknown volume released, but notice was provided to NMOCD at the time of discovery in 2013.	
Ves 🗌 No		
2		
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Mike Bratcher and Randy Dade by email on November 4, 2013, by Robert Asher.		

### **Initial Response**

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

 $\checkmark$  The source of the release has been stopped.

 $\checkmark$  The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle

Signature: <u>Chase Settle</u>

Title: Rep Safety & Environmental Sr

email: Chase Settle@eogresources.com

OCD Only

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Date: 05/05/2022

Telephone: 575-748-1471

Date:

Received by:

Received by OCD: 5/16/2022 1:04:31 PM

Form C-141 Page 3

State of New Mexico Oil Conservation Division

Incident ID	nJMW1331831899
District RP	2RP-2061
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?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 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)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 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?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗌 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 ½-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.

L6 fo Form C-141 Page 4	State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	nJMW1331831899 2RP-2061
regulations all opera public health or the of failed to adequately	the information given above is true and complete to the tors are required to report and/or file certain release noti environment. The acceptance of a C-141 report by the C investigate and remediate contamination that pose a three ptance of a C-141 report does not relieve the operator of	fications and perform co OCD does not relieve the at to groundwater, surfa-	rrective actions for rele operator of liability sh ce water, human health	eases which may endanger ould their operations have or the environment. In
Printed Name:		Title:		
Signature:		Date:		
email:		Telephone:		
OCD Only				
Received by:		Date:		

Form C-141

State of New Mexico Oil Conservation Division

Incident ID	nJMW1331831899
District RP	2RP-2061
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:		Title:	s
Signature:	l	Date:	
email:		Telephone:	0.
OCD Only			
Received by:	D	Date:	
Approved	Approved with Attached Conditions of App	proval 🗌 Denied	Deferral Approved
Signature:	Da	te:	

Form C-141

State of New Mexico Oil Conservation Division

Incident ID	nJMW1331831899
District RP	2RP-2061
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle

Signature: Chase Settle

Date: 05/05/2022

Telephone: 575-748-1471

Title: Rep Safety & Environmental Sr

email: Chase\_Settle@eogresources.com

OCD Only

Received by:

Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by	:	Date:	05/31/2022
Printed Name:	Jennifer Nobui	Title:	Environmental Specialist A

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

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	107107
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
jnobui	Closure Approved.	5/31/2022

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Action 107107