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

Contact Name: Jamon Hohensee

Responsible Party: Centennial Resource Production, Inc

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	NRM2016043944
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID: 372165

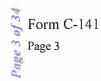
Contact Telephone: 432-243-4283

Contact email: jamon.hohensee@cdevinc.com			Incident #	(assigned by OCD)			
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79701							
			Location	of R	elease So	ource	
Latitude 32.4	0084		(NAD 83 in de	ecimal de	Longitude - grees to 5 decim		
Site Name: Chimichanga 12 State Com 601 lease road				Site Type:	lease road		
Date Release	Discovered:	4/14/2020			API# 300254	466140000	
Unit Letter	Section	Township	Range		Coun	ty	
P	11	22S	34E	Lea			
Surface Owner: State Federal Tribal Private (Name:) Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls)			vered (bbls)				
Produced	Water	Volume Released (bbls)			Volume Reco	```	
		Is the concentration of dissolved chlorid produced water >10,000 mg/l?		chloride	in the	Yes N	0
Condensa	te	Volume Released (bbls)			Volume Reco	vered (bbls)	
☐ Natural G	as	Volume Released (Mcf)			Volume Reco	vered (Mcf)	
✓ Other (describe)Volume/Weight Released (provide units)Fresh Water12 bbls			Volume/Weig 0 bbls	ht Recovered (provide units)			
The released caliche road.	esh water ald volume was	ong lease road from calculated by taking contact with Cent	ing the cubic foot	age esti	mate and fac		ity and saturation for a hard packed



Incident ID	NRM2016043944
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?		
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
Initial Response			
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury		
Released materials ha	ase has been stopped. s been secured to protect human health and the environment. ve been contained via the use of berms or dikes, absorbent pads, or other containment devices. ecoverable materials have been removed and managed appropriately.		
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: Jamon Hohensee Title: Sr. Environmental Analyst Signature: Date: 6/5/2020			
email: jamon.hohensee@o	cdevinc.com Telephone: 432-241-4283		
OCD Only			
Received by: Ramons	a Marcus Date: 6/8/2020		

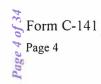


Incident ID	
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Facility ID	
Application ID	

Site Assessment/Characterization

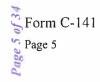
What is the shallowest depth to groundwater beneath the area affected by the release? Did this release impact groundwater or surface water? Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used Yes No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used Yes No		
watercourse? Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used Yes No		
ordinary high-water mark)? Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used Yes No		
or church? Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used Yes No		
by less than five households for domestic or stock watering purposes?		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?		
Are the lateral extents of the release within 300 feet of a wetland?		
Are the lateral extents of the release overlying a subsurface mine?		
Are the lateral extents of the release overlying an unstable area such as karst geology?		
Are the lateral extents of the release within a 100-year floodplain?		
Did the release impact areas not on an exploration, development, production, or storage site?		
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 ⅓-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.



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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:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	



Incident ID	
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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) N □ Proposed schedule for remediation (note if remediation plan timeline is mediated) 	
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 edeconstruction.	quipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health, the envir	onment, or groundwater.
I hereby certify that the information given above is true and complete to the bear ules and regulations all operators are required to report and/or file certain relewhich may endanger public health or the environment. The acceptance of a C liability should their operations have failed to adequately investigate and remesurface water, human health or the environment. In addition, OCD acceptance responsibility for compliance with any other federal, state, or local laws and/o	ase notifications and perform corrective actions for releases -141 report by the OCD does not relieve the operator of diate contamination that pose a threat to groundwater, e of a C-141 report does not relieve the operator of
Printed Name: Title: _	
Signature: Date: _	
email: Teleph	one:
OCD Only	
Received by: Date:	
Approved	☐ Denied ☐ Deferral Approved
Signature: Date:	



Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following i	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 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 ODG	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for attions. The responsible party acknowledges they must substantially anditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Closure Approved by:Printed Name:	



NRM2016043944

June 5, 2020

Jamon Hohensee Sr. Environmental Analyst Centennial Resource Development, Inc 500 W. Illinois Ave, Midland, Texas 79701

Re: Release of fresh water from Chimichanga 12 State Com 601 on CR 32

On April 14, 2020 a truck hauling a frac tank was noticed driving south down CR 32 west of Eunice, NM. The frac tank (#500707) was releasing fresh water from its rear ball valve (Appendix A). The substance was unknown at the time and the incident was treated as an illegal dump of produced water. The origin point of the release was located at 32.40084, -103.43481 and contined south on CR 32 for 2.87 miles (Appendix B). Initial sampling of the origin point spill area indicated that the road materials were uncontaminated. However, seven samples that were taken along the assumed path of the release were over 600mg/Kg for chlorides and 100mg/Kg for total TPH as indicated in Table 1 (Appendix C). A total of 36 samples were taken at regular intervals along the path of the release.

Centennial has concluded that the fluid released from the frac tank was fresh water associated a cement job on the Chimichanga 12 State com 601, and that the elevated concentrations in Table 1 were from unrelated incidents by various operators in the area. Centennial's drilling superintendent also confirmed that the frac tanks used on location were to hold fresh water for the mixing process of cement.

Figure 1 shows the location of the first four samples (AH1- AH4) collected on the 2 track road leading to the south and within the origin point spill area oulined in yellow. Because there was not a sample collected from the fluid released directly from the frac tank, we can use these samples as being a true representation of the released fluid due to the prestine nature of the 2-track road. This smaller road does not receive the volume of heavy traffic and higher potential for cross contamination compared to the main road. The samples analitical results is further evidence that there was not prior cross-contamination along the smaller 2-track road.

Because the majority of released fluid was in this area, we would assume to see the highest concentrations in these four samples versus other samples taken. The results in Table 1 of AH1-AH4 not only show low levels of chlorides, TPH, and BTEX, but also give credibility to the additional evidence that this was fresh water.

With the information described above, it would be logical to conculde that the fresh water that was released on CR 32 did not cause the spikes in TPH and chlorids that were seen in several samples show in Table 1. These spikes were most likely cause by unreported incidents from the numerous operators and service companies that use this road frequently.

We have included supporting documentation (Appendix D) that the fluids released were fresh water.

1. The *National Tank & Equipment* invoice shows that the frac tank #500707 was on location during the cement job on the Chimichanga 12 State Com 601 that that started on 4/10/2020.



- 2. The *Duke Oilfield Service*, *LLC* invoice shows that the water delivered to the location was fresh water for the cement job on the well at the same time.
- 3. The *Compass Cementing* job invoice and summary provide an accurate description of the events and times of the cementing.
 - a. Page 3 shows the job log which corresponds with the frac tank a water invoices
 - b. Page 5 gives a test value of the water used during cementing with chlorides levels at 500ppm (mg/Kg)

Appendix A – Photos taken of the incident

Appendix B – Figure 1, Figure 2 – Aerial maps showing release location

Appendix C – Table 1 – Sample analytical table

Appendix D – Supporting documents and invoices





Frac Tank #FRC500707

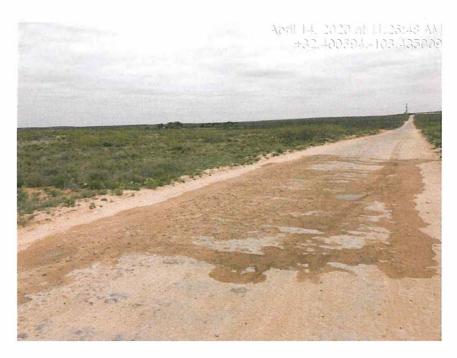


Open ball valve on back of frac tank

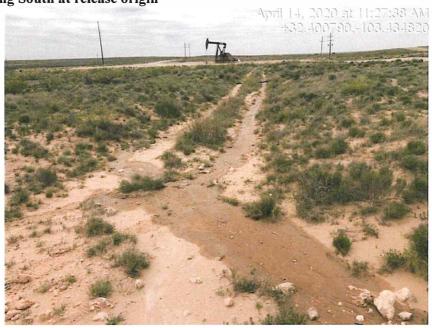




Origin of release



2-Track road leading South at release origin





View of release along CR 32





Appendix B



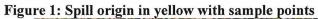
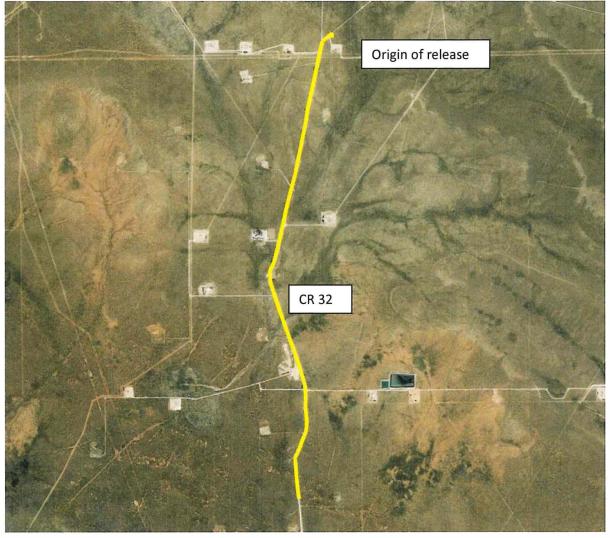






Figure 2: Path of release along CR 32 for 2.87 miles





Appendix C

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

CHIMICHANGA ILLEGAL DUMP RELEASE SITE LEA COUNTY, NEW MEXICO

METHOD: SW 8015M METHODS: SW 846-8021B E 300.1 SAMPLE DATE TOTAL TPII CHLORIDE SAMPLE LOCATION TPII DRO BENZENE TOLUENE BENZENE XYLENES 10 mg/Kg 50 mg/Kg 100 mg/Kg 600 mg/Kg Limits Auger Hole Sample Result AH1 3-6" 4/16/2020 < 0.000450 < 0.000233 < 0.000307 <0.000340 <0.000340 < 0.000340 < 0.000450 <50.0 <50.0 <50.0 <50.0 103 <0.00900 <0.00466 < 0.00614 <0.00679 <0.00679 < 0.00679 <0,00900 <50.0 <50.0 <50.0 <50.0 84.5 4/16/2020 AH2 3-6" AH3 3-6" 4/16/2020 < 0.00899 < 0.00465 < 0.00612 < 0.00678 < 0.00678 < 0.00678 < 0.00899 <499 <49.9 <49.9 <49.9 67.4 96.5 4/16/2020 <0.00900 <0.00466 < 0.00614 <0.00679 < 0.00679 <0.00679 <0.00900 <50.0 <50.0 <50.0 <50.0 AH4 3-6" 35.7 <50.0 AH5 3-6" 4/16/2020 < 0.00908 < 0.00470 < 0.00618 < 0.00685 < 0.00685 < 0.00685 < 0.00908 <50.0 <50.0 <50.0 4/16/2020 <0.00897 < 0.00464 < 0.00611 <0.00677 < 0.00677 <0.00677 < 0.00897 <49.9 208 <49.9 42.5 208 AH6 3-6" 4/16/2020 < 0.00471 <0.00686 <50,0 <50.0 76.4 < 0.00909 < 0.00620 <0.00686 < 0.00686 < 0.00909 <50.0 <50.0 AH7 3-6" AH8 3-6" 4/16/2020 < 0.00904 < 0.00468 < 0.00616 < 0.00682 < 0.00682 <0.00682 < 0.00904 <49 9 115 <49 9 125 <49.8 <49.8 260 4/16/2020 < 0.00895 < 0.00463 < 0.00610 <0,00675 < 0.00675 < 0.00675 <0.00895 <49.8 <49.8 AH9 3-6" AH10 3" 4/16/2020 < 0.000452 0.000400 <0.000308 < 0.000341 < 0.000341 < 0.000341 0.000400 <50.0 < 50.0 <50.0 <50.0 208 4/16/2020 < 0.000448 <0.000232 <0.000306 <0.000338 <0.000338 <0.000338 < 0.000448 <49.9 <49.9 <49.9 <49.9 66.9 AH11 3" <50.0 <50.0 <50.0 382 AH123" 4/16/2020 < 0.000455 < 0.000235 < 0.000310 < 0.000343 < 0.000343 < 0.000343 < 0.000455 <50.0 4/16/2020 < 0.000449 <0.000233 <0.000306 <0.000339 <0.000339 <0.000339 <0.000449 <50.0 <50.0 <50.0 <50.0 627 AH13 3" <49.9 4/16/2020 < 0.000454 < 0.000309 < 0.000342 < 0.000454 <49.9 <49.9 <49.9 422 < 0.000235 < 0.000342 < 0.000342 AH14 3" <0.000448 <0.000305 4/16/2020 <0.000232 <0.000338 <0.000338 <0.000338 <0.000448 <50.0 59.2 <50.0 59.2 308 AH15 3" 210 4/16/2020 <0.000450 < 0.000233 <0,000450 <49.8 <49.8 <49.8 <49.8 < 0.000307 < 0.000340 < 0.000340 < 0.000340 AH16 3" 4/16/2020 < 0.000453 <0,000234 < 0.000309 <0,000342 < 0.000342 < 0.000342 < 0.000453 <50.0 <50.0 <50.0 <50.0 363 AH173" 4/16/2020 < 0.000450 <0.000233 <0.000307 < 0.000340 < 0.000340 <0.000340 <0.000450 <49.9 <49.9 <49.9 <49.9 723 AH18 3" <50.0 <50.0 AH19 3" 4/16/2020 < 0.000453 < 0.000234 < 0.000309 < 0.000342 < 0.000342 < 0.000342 < 0.000453 <50.0 <50.0 705 4/16/2020 <0.000453 < 0.000234 < 0.000309 <0.000342 < 0.000342 < 0.000342 < 0.000453 <50.0 <50.0 <50.0 <50.0 95.2 AH20 3" 4/16/2020 < 0.00909 < 0.00471 < 0.00909 <50.0 <50.0 <50.0 <50.0 96.3 < 0.00620 < 0.00686 < 0.00686 < 0.00686 AH21 3" <0.000451 <0.000234 <0.000307 < 0.000340 <0.000340 <0.000340 <0.000451 <49.8 <49.8 <49.8 <49.8 330 4/16/2020 AH22 3' <50,0 250 4/16/2020 <50.0 AH23 3" < 0.000457 < 0.000236 < 0.000311 < 0.000344 < 0.000344 < 0.000344 < 0.000457 <50.0 <50.0 4/16/2020 < 0.000451 <0.000234 < 0.00307 <0.00340 <0.00340 <0.00340 <0.000451 <50.0 <50.0 <50.0 <50.0 412 AH24 3" 4/16/2020 <0.000448 <0.000232 <0.000338 <0.000338 <0.000338 < 0.000448 <49,9 <49.9 59.4 446 < 0.000306 59.4 AH25 3" AH26 3" 4/16/2020 < 0.000452 < 0.000234 < 0.000308 < 0.000341 < 0.000341 < 0.000341 < 0.000452 <50.0 <50.0 <50.0 <50.0 213 <49.8 537 4/16/2020 <0.000452 <0.000234 <0.000308 <0.000341 <0.000341 <0.000341 < 0.000452 <49.8 54.4 54.4 AH27 3" 276 4/16/2020 < 0.00908 < 0.00470 < 0.00618 < 0.00685 < 0.00685 < 0.00685 <0.00908 <50.0 <50.0 <50.0 <50.0 AH28 3" 4/16/2020 <49.9 <49.9 <49.9 < 0.00904 < 0.00468 <0.00616 <0.00682 <0.00682 <0.00682 <0.00904 <49.9 884 AH29 3" <50.0 <50.0 513 4/16/2020 < 0.00895 < 0.00675 < 0.00895 <50.0 <50.0 AH30 3" < 0.00463 < 0.00610 < 0.00675 < 0.00675 4/16/2020 < 0.00904 <0.00616 <0.00682 <49.9 <49.9 <49.9 <49.9 592 < 0.00468 <0.00682 <0.00682 < 0.00904 AH31 3"

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

CHIMICHANGA ILLEGAL DUMP RELEASE SITE LEA COUNTY, NEW MEXICO

					Al	concentrations a	re reported in mg K	R					
II. II.	and the same of			METHODS:	SW 846-8021	В			M	ETHOD: SW 801	5M		E 300.1
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	NYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO	TPH DRO C ₁₂ -C ₂₈	TPH ORO	TOTAL TPII	CHLORIDE
Limits		10 mg/Kg		14 14				50 mg/Kg				100 mg/Kg	600 mg/Kg
AH32 3"	4/16/2020	<0.00913	<0.00473	<0.00622	<0.00689	<0.00689	<0.00689	<0.00913	<49.8	82.2	<49.8	82.2	172
AH33 3"	4/16/2020	<0.00904	<0.00468	<0.00616	<0.00682	<0.00682	<0.00682	<0.00904	<50.0	326	50.9	376.9	166
AH34 3"	4/16/2020	<0.00902	<0.00467	<0.00615	<0.00681	<0.00681	<0.00681	<0.00902	<50.0	<50,0	<50.0	<50.0	126
AH35 3"	4/16/2020	<0.00899	<0.00465	<0.00612	<0.00678	<0.00678	<0.00678	<0.00899	<49.9	<49.9	<49.9	<49.9	24.1
AH36 3"	4/16/2020	<0.00906	<0.00469	<0.00617	<0.00683	<0.00683	<0.00683	<0.00906	<49.8	<49.8	<49.8	<49.8	77.3



Appendix D



CUSTOMER: CENTENNIAL RESOURCE PRODUCTION

ATTN: ACCOUNTS PAYABLE 1401 17TH STREET, SUITE 1000 **DENVER, CO 80202**

REMIT TO:

NATIONAL TANK & EQUIPMENT, LLC

P.O.BOX 4356 DEPT. # 2225 HOUSTON, TX 77210-4356

Well Name: (Limichangas 1) State Con 601 H

AFE#: 400716

Code: Signature of Approval 8015. 4100

Supervisor: Lie mille

Route To: Ronny Hise

INVOICE: 5142200403

INVOICE DATE: 5/4/2020

AFE#: VERBAL

WELL SITE: CHIMICHANGA 12 STATE COM 601H

ORDERED BY: MIKE BROWN

RENTAL PERIOD: 04/01/20 - 04/30/20

TANK#	UNIT DESCRIPTION	START DATE	END DATE	DAII	Y RATES	DAYS	TOTAL
FRC540057	ROUND BOTTOM FRAC TANK	4/1/2020	4/14/2020	\$	35.00	14	\$ 490.00
FRC540117	ROUND BOTTOM FRAC TANK	4/1/2020	A/14/2020	\$	35.00	14	\$ 490.00
FRC540237	ROUND BOTTOM FRAC TANK	4/1/2020	4/14/2020	\$	35.00	14	\$ 490.00
FRC540257	ROUND BOTTOM FRAC TANK	4/1/2020	4/14/2020	\$	35.00	14	\$ 490.00
FRC540267	ROUND BOTTOM FRAC TANK	4/1/2020	4/14/2020	\$	35.00	14	\$ 490.00
FRC500317	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC500377	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC500817	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC501257	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC500707	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/13/2020	\$	15.00	13	\$ 195.00
FRC500437	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC500507	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC501317	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/13/2020	\$	15.00	13	\$ 195.00
FRC500367	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
FRC501427	500BBL "V" BOTTOM FRAC TANK	4/1/2020	4/8/2020	\$	15.00	8	\$ 120.00
	8X6 MUDHOG	4/1/2020	4/8/2020	\$	125.00	8	\$ 1,000.00
100409021	4" PUMP	4/1/2020	4/15/2020	\$	60.00	15	\$ 900.00
10040001	4" PUMP	4/1/2020	4/15/2020	\$	60.00	15	\$ 900.00
100409030	4" PUMP	4/1/2020	4/15/2020	\$	60.00	15	\$ 900.00
6	4X20 TANK TRUCK HAMMER	4/1/2020	4/15/2020	\$	7.00	15	\$ 630.00

		RENTAL SU	JBTOTAL	: \$	8,130.00
FRTOUT	3RD PARTY PICKUP 8 FRAC TANKS FROM JOB	\$ 125.00	36	\$	4,500.00
FRTOUT	3RD PARTY PICKUP 6 FRAC TANKS FROM JOB	\$ 125.00	30	\$	3,750.00
FRTOUT	3RD PARTY - DELIVER & PICKUP 10 FRAC TANKS FROM WASH	\$ 125.00	8	\$.	1,000.00
PKU	PICKUP FRC540267 FROM JOB	\$ 125.00	5	\$	625.00
		FREIGHT SU	JBTOTAL	: \$	9,875.00
OL	OUTSIDE LABOR - 3 TANK TRUCK HAMMERS HOSES NOT RETURNED	\$ 1,150.00	1	\$	1,150.00
OL	3RD PARTY PICKUP 4 PUMP HOSES & 1 MUDHOT FROM JOB	\$ 1,250.00	1	\$	1,250.00
WASHOUT	WASHOUT 10 FRAC TANKS	\$ 250.00	10	\$	2,500.00

SALES SUBTOTAL: \$ 4,900.00 TAXES: \$ 1,751.21

TOTAL DUE: \$ 24,656.21

71039-1,68803-2,68874-2,68877-2,69279-2,70388-1,68874-3,68875-2, RM INVOICES:

69279-3,68803-3,70628-1,70690-1

Invoice

Duke

Oilfield Services, LLC

PO Box 29647 - Dallas, Texas 75229-9647 Jesus Lopez Cell 575-441-5661 Office (575) 396-0934 Fax (575) 396-0449

Invoice #	30080
Date	4/13/2020
Terms	Net 60

Bill To								
Centennial Resource Pro 400 W. IL Midland, TX, 79701	oduction, LLC							
		Location		Cl	HIMICHANG	AS 12 CC	M 601H	
		RIG		THE SE	PATTE	RSON 58	3	
Description				Truck	Ticket #	Qty	Rate	Amount
AFE#: <u>400</u> Date:	e <u>CHIMICHANGAS</u> 9 <u>716</u> 4-14-	5 12 STATE გი <u>გე</u> იი		98,89,100, 105		520	2.65	1.378.00T
	Ronny Hise							
All work is compl	eted and Ok for	billing.		-		Subt		1.378.00
Date						Sale	s Tax (5.5°	%) \$75,79
Duke Oilfield Services. 1.1.C P.O. Box 29647 Dallas.TX 75229-9647	Bank: Wells Fa Location: San Fran ABA No: 121006 Beneficiary: Duke Oil Account No: 40006	orga viso, CA 0248 field, LLC	Thank y	ou for yo	ur business!	Tot	al	\$1,453.79

Hauled 130 bbis of Cyty Water	
	lours
506 38	
	3,50 .09 4,59

DASCO FRESH WATER SALES STATION #3

DASCO CATTLE CO., LLC

(575) 631-9438

DASCO retains White and Yellow Copies; Pink Copy to Receiver; Gold Copy to Trucker

P.O. BOX 727

HOBBS, NEW MEXICO 88241

CHARGE TO:	DATE:
LEASE OR WELL:	TIME:
TRUCKING CO.:	FRESH WATERBBLS.
DRIVER:	
	No. 4464

Duke Oilfield Services, LLC	PO Box 1253 Lovington, NM 88260 Office (575) 396-0934 Fax (575) 396-0449 Cell (575) 396-6619 Email dukeoilfieldlic@gmail.com	Disnosal	
DATE: 4/11/20		Salt Water	
COMPANY: Contains		Fresh Water	
RIG: 1980			
LEASE: CHIANICHAUGO 12 STATE	ORDERD BY:		
TEN DOW HOW SI-LE Description	n of Service		Hours
Havked 130 66/5 of c/u/	40 Augos	Locations.	
SULTOTAL 383.5	6		
TAK. 21.0	9		
TAK. 21.0	59		
Work done by: Day Je	Unit #: 8 ዓ	Accepted: 111/	11

Duke Oilfield Services,LLC	PO Box 1253 Lovington, NM 88260 Office (575) 396-0934 Fax (575) 396-0449 Cell (575) 396-6619	131495 Oil	
DATE: 4 4 20 COMPANY: Certendal RIG: PAT 588	Email dukeoilBeldllc@gmail.com	Disposal Salt Water Fresh Water	
LEASE: Chimanas 12 St. Golf	ORDERD BY:		
Description	n of Service		Hours
* Hauled 130 blus of Clw t	o Rtg		
		Sub: 383 5	
		Tax: 21.00	1
•		Total:404,5	9
Work done by: Elle Trutte	Unit #:_\&O	Accepted: Why	

Cooper's Fresh Water Sales

PO Box 65 Monument, New Mexico 88265

Manager - Michael Evans (575) 408-0281 Owner - Jimmie Cooper (254) 493-9082

Nº 96794

DATE 4/1/20

COMPANY HAULING FOR _____

LOCATION HAULED FROM PAT 588



(575) 393-6964 (575) 369-5266

Box 160 Eunice, NM 88231

Date 4/11/25 Time
Transported By
Transported To Section 44.
Number of Barrels Transported
Truck Number <u>89</u>
Signed

NOTE TO ALL DRIVERS!

White - ORIGINAL • Yellow - INVOICE •



Duke	
Oilfield Services, LLC	

PO Box 1253 🐒 Lovington, NM 88260 Office (575) 396-0934 Fax (575) 396-0449 Cell (575) 396-6619 Email dukeoilfieldlic@gmail.com

1	35951	

Oil	
Disposal	

Salt	Water		
Fresh	Water		

DATE: 4-11-20	Sal
COMPANY: Centennia	Frest
RIG: <u>Patterson</u> 588 LEASE: <u>Chimichonga 12 State com 60 ORDERD BY:</u>	
LEASE: Chimichonga 12 State com 60 ORDERD BY:	
3	

Description of Service	Hours
Houled 130 bbls city Water	
Sub-to-ta	383-50
tax	383-50
total	404.59
Week desired Asserted Milk the OC Asserted Milk	

Work done by: <u>Carlos Yanez</u> Unit #: <u>ES</u>

Micheel Brown

Received by OCD: 6/5/2020 9:25:34 AM

BLE 4, LLC 3959

1311 S. 13th • Lovington, NM 88260 (575) 441-2531

Date 4-11-20
Oil Company
Lease Name
Trucking Co. DUKE
Billing Address
Truck No. 88
BBLS Hauled 130

DRIVER'S SIGNATURE

OMG - #3156 Office - White & Yellow

Driver - Pink & Gold

7		
9:25:34		
5/2020		,
0: 6/3		١
, OC.		
ed by)	!
ż	1100	Inte

Date 4/11/2020 Bill to: Ticket Number 11407708 Midland DOUGLAS MILLER Location



Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoarner Sugar		State	New Mexico	Chimichangas 12 State Corn 601H	Patterson 588
Description Quantity Pump Charge 21001' to 22000' Pump Charge - Additional Hours Reserve Pump Truck Reserve Pump Truck Reserve Pump Truck Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin -3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	- 2500				Fatterson 500
Pump Charge 21001' to 22000' Pump Charge - Additional Hours Reserve Pump Truck Reserve Pump Truck after 10 hrs Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt		Casing Size	5 1/2	Casing Depth	21315.2
Pump Charge 21001' to 22000' Pump Charge - Additional Hours Reserve Pump Truck Reserve Pump Truck after 10 hrs Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt					
Pump Charge - Additional Hours Reserve Pump Truck Reserve Pump Truck Reserve Pump Truck after 10 hrs Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt		Unit Cost	Units	Gross Amount	Net Amount
Reserve Pump Truck Reserve Pump Truck after 10 hrs Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	1	\$40,620.00		\$40,620.00	\$10,561.20
Reserve Pump Truck after 10 hrs Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	3	\$1,700.00		\$5,100.00	\$1,326.00
Batch Mixer - First 10 hours Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	1	\$9,640.00		\$9,640.00	\$2,506.40
Batch Mixer - Additional hours HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	3	\$1,700.00		\$5,100.00	\$1,325.00
HV Mileage LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	1	\$4,920.00		\$4,920.00	\$1,279.20
LV Mileage Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	3	\$720.00		\$2,160.00	\$561.60 \$888.00
Field Storage Bin delivery Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	300 200	\$11.40 \$6.74		\$3,420.00	\$350.00
Field Storage Bin - 3 Days Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	300	\$11.40		\$1,348.00 \$3,420.00	\$888.00
Cementing Head Rental Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	300	\$1,700.00		\$5,100.00	\$1,326.00
Top Rubber Plug: 5 1/2" Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	1	\$2,500.00		\$2,500.00	\$650.00
Data Acquisition Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	0	\$175.00		\$0.00	\$0.00
Thickening Time Test, Field Blend Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	1	\$1,130.00		\$1,130.00	\$293.80
Centrifugal Pump Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	1	\$2,180.00		\$2,180.00	\$566.80
Circulating Equipment Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	0	\$1,130.00		\$0.00	\$0.00
Derrick Charge Mutual Solvent 4309 Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	0	\$6,000.00		\$0.00	\$0.00
Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoarner Sugar	0	\$1,000.00	each	\$0.00	\$0.00
Citric Acid Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoarner Sugar					
Barite CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoarner Sugar	140	\$64.92	Gal	\$9,088.80	\$2,363.20
CSG-1 Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer Sugar	35	\$13.94	lb	\$487.90	\$126.70
Plexaid - 803 Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	112	\$70.56	sack	\$7,902.72	\$2,055.20
Plexaid - 840 Surfactant Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive	53	\$98.79	lb	\$5,235.87	\$1,361.57
Subtotal for Pumping & Equipment Charges Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	140	\$58.56	gal	\$8,198.40	\$2,132.20
Class C Premium Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	70	\$169.54	gal	\$11,867.80	\$3,085.60
Compass Poz-Mix CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt				\$129,419.49	\$33,647.47
CPO-18 HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt	525	\$35.92		\$18,858.00	\$4,903.50
HSLD 80 Cement Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer	263	\$20.30		\$5,338.90	\$1,388.64
Premium Gel (Bentonite) Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer	263	\$20.75		\$5,457.25	\$1,420.20
Gyp Seal C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer	2,040	\$28.15		\$57,426.00	\$14,932.80
C-503P Defoamer CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer Sugar	8,820	\$0.98		\$8,643.60	\$2,205.00
CFL-1 Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer Sugar	2,100	\$1.30		\$2,730.00	\$714.00 \$1,036.42
Citric Acid STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer Sugar	673 660	\$5.93 \$63.70		\$3,990.89	\$10,929.60
STE CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer Sugar	327	\$13.94		\$42,042.00 \$4,558.38	\$1,183.74
CSA-1000 - Fluid Loss Additive C-45 Econolite Salt C-503L Defoamer Sugar	1,820	\$1.29		\$15,247.80	\$4,018.80
C-45 Econolite Salt C-503L Defoamer Sugar	322	\$50.48		\$19,474.56	\$5,061.84
Salt C-503L Defoamer Sugar	221	\$3.34		\$738.14	\$192.27
C-503L Defoamer Sugar	2,105	\$0.50		\$1,052.50	\$273.65
Sugar	-,	*	-	V-7	
Sugar					
Sugar		****		44.00:	****
-	10	\$120.42		\$1,204.20	\$313.10
Materials Handling	550	4.20	D	\$2,310.00	\$599.50
Marchais Unitrillia	2 5 4 1	3.75 /	·c	¢13 770 75	\$3,452.48
Deauage	3,541	3.75 (\$13,278.75	\$3,452.48
Drayage 3: Subtotal for Materials Charges	1,500	0.09	acks x miles	\$29,835.00 \$232,185.97	\$60,382.64
Gross Price Subtotal				\$232,103.77	\$361,605.46
Discount				74.	
J. S. C. G. C.				/4.	(\$201,313.36)
Pre-tax Total					\$94,030.11

Well Name:	CHIMICHANGAS	12 STATE COM	601H
AFE#: 4007	16		-
Data:	4-11-20		

Date:_ 8015 -3000 Code:_ Supervisor:

Route To: Ronny Hise

workmanlike manner.	
Company Rep:	
Printed:	

Service Receipt: I certify that the materials and services listed were received and all services performed in a

Company

Type Job

JOB TYPE
CASING DATA

Size

Size

DRILL PIPE / TUBING DATA

Centennial Resource Development, Inc.

Depth 21315

Depth

☐ Liner

Production

☐ Intermediate

OPEN HOLE DATA				1					
Size	Depth	1	Excess %	Bbl/Ft Facto	or Cut	t/Ft Factor			
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
OPEN HOLE ANNULU	SDATA	7							
Size	Depth	1	Excess %	Bbl/Ft Facto	or Cut	t/Ft Factor	Maximu	ım Pressure	
8.75X5.5	11517		LACCUS 70	0.0		ty i t i detoi	WIGATING	8864	
8.5X5.5	21322			0.04				8864	
PREVIOUS CASING A		1							
Size	Depth	,	irade Weigh	ht Bbl/Ft Facto	or Cuf	t/Ft Factor	Maximu	ım Pressure	
9.625X5.5	5495		J55 40	0.0464				8864	
MUD / SPACER /	CEMENT DAT	A						T	
	MUD			SPA	ACER				
Туре	Density		Туре	Density		Volume		7	
OBM	11		BARITE	11.1		70			
		1						}	
CEMENT SLURRIE	S						JOB WATER RE	QUIREMENTS	
Туре	Sacks	Density	Yield cuft/sk	Gal/Sk	Excess % Thic	kening Time	Total Mix Water	(Bbls)	844
ead Cement	1050	11.10	3.14	19.14	25.0%		Total Spacer Wa	iter (Bbls)	54
ail Cement	2040	13.00	1.51	7.51	25.0%		Total Disp Water		471
							Total Wash Up V	Water (Bbls)	20
							Total Additional	Water (Bbls)	0
						1	Safety Factor - 2	0%	278
							Tank Bottoms		50
							Total Water R	Required	
CASING / FLOATIN	NG EQUIPMEN	NT						Required	
	NG EQUIPMEN	NT	Manufacturer	Туре			Total Water R	Required Manufacturer	1716
CASING / FLOATING / FL		VT	Manufacturer	Type Centeralizers	S		Total Water R		1716
уре	Depth	NT	Manufacturer		S	Quar	Total Water R		1716
ype loat Shoe	Depth 21315	NT	Manufacturer	Centeralizers		Quar 0	Total Water R		1716
Type Float Shoe Float Collar Stage Tool External Casing Packer	Depth 21315	NT	Manufacturer	Centeralizers Top Plug		Quar 0	Total Water R		1716
Type loat Shoe loat Collar tage Tool xternal Casing Packer tage Tool	Depth 21315	NT	Manufacturer	Centeralizers Top Plug Bottom Plug		Quar 0	Total Water R		1716
ype loat Shoe loat Collar tage Tool xternal Casing Packer tage Tool	Depth 21315	NT	Manufacturer	Centeralizers Top Plug Bottom Plug		Quar 0	Total Water R		1716
Type Iloat Shoe Iloat Collar Itage Tool	Depth 21315 21300	LUME		Centeralizers Top Plug Bottom Plug Foam Wiper	Ball	Quar 0	Total Water R		1716
Type Idoat Shoe Idoat Collar Idoat Collar Idoat Collar Idoat Collar Idoat Collar Idoat Casing Packer Idoat	Depth 21315 21300	LUME	Volume (Bbls.)	Centeralizers Top Plug Bottom Plug	Ball Density (PPG)	Quar 0	Total Water R		1716
ype loat Shoe loat Collar itage Tool xternal Casing Packer tage Tool xternal Casing Packer DISPLACEMENT Fl pisp. Fluid Type lisp. Fluid Type	Depth 21315 21300	LUME	Volume (Bbls.) Volume (Bbls.)	Centeralizers Top Plug Bottom Plug Foam Wiper	Ball Density (PPG) Density (PPG)	Quar 0	Total Water R		1716
loat Shoe loat Collar loat Collar loage Tool external Casing Packer tage Tool external Casing Packer DISPLACEMENT Fl Disp. Fluid Type lisp. Fluid Type lisp. Fluid Type	Depth 21315 21300	LUME	Volume (Bbls.)	Centeralizers Top Plug Bottom Plug Foam Wiper	Ball Density (PPG)	Quar 0	Total Water R		1716
loat Shoe loat Collar loat Collar loage Tool xternal Casing Packer tage Tool xternal Casing Packer DISPLACEMENT Fl bisp. Fluid Type bisp. Fluid Type bisp. Fluid Type CQUIPMENT	Depth 21315 21300 LUID AND VO INHIBITED WATE	LUME R	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.)	Centeralizers Top Plug Bottom Plug Foam Wiper	Density (PPG) Density (PPG) Density (PPG)	Quar 0 1	Total Water R		1716
loat Shoe loat Collar tage Tool xternal Casing Packer tage Tool xternal Casing Packer OISPLACEMENT Fl isp. Fluid Type	Depth 21315 21300 LUID AND VO INHIBITED WATE	LUME R Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.)	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG)	Quar 0 1 1	Total Water R		1716
loat Shoe loat Collar loat Collar loage Tool xternal Casing Packer lage Tool xternal Casing Packer DISPLACEMENT Fi Disp. Fluid Type DISPLACEMENT Ump Truck Unit # Ump Truck Unit #	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186	LUME R Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG) 2074 2036	Quar 0 1 1	Total Water R		1716
Fype Float Shoe Float Collar Float Collar Float Collar Float Collar Float Casing Packer Float Casing Packer Float Casing Packer Float Type Floa	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186 2185	LUME R Bulk 660 Unit # Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG)	Quar 0 1 1 Other Other Other	Total Water R		1716
loat Shoe loat Shoe loat Collar tage Tool xternal Casing Packer tage Tool xternal Casing Packer DISPLACEMENT Fl isp. Fluid Type isp. Fluid Type isp. Fluid Type isp. Fluid Type imp Truck Unit # ump Truck Unit # atch Mixer Unit # ressurizer Unit #	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186	LUME R Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG) 2074 2036	Quar 0 1 1	Total Water R		1716
Type Iloat Shoe Iloat Collar Istage Tool External Casing Packer Istage Tool External Casing Packer Internal Casin	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186 2185 1067	LUME R Bulk 660 Unit # Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047 2127	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG) 2074 2036 2159	Other Other Other Other Other	Total Water R	Manufacturer	1716
loat Shoe loat Collar itage Tool xternal Casing Packer tage Tool xternal Casing Packer DISPLACEMENT Fl bisp. Fluid Type bisp. Fluid Type bisp. Fluid Type CQUIPMENT ump Truck Unit # ump Truck Unit # atch Mixer Unit # ressurizer Unit #	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186 2185 1067 DOUGLAS MILL	LUME R Bulk 660 Unit # Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047 2127	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG) 2074 2036 2159	Other Other Other Other Employe	Total Water R		1716
ype loat Shoe loat Collar tage Tool xternal Casing Packer tage Tool xternal Casing Packer DISPLACEMENT FI isp. Fluid Type isp. Fluid Type isp. Fluid Type isp. Fluid Type ump Truck Unit # ump Truck Unit # atch Mixer Unit # ressurizer Unit # mployees mployee #1 mployee #2	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186 2185 1067	LUME R Bulk 660 Unit # Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047 2127 Eniployee #4 Employee #5	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG) 2074 2036 2159	Other Other Other Other Other	Total Water R ntity 8.4 8.4	Manufacturer	1716
Type Iloat Shoe Iloat Collar Istage Tool Isternal Casing Packer Istage Tool Isternal Casing Packer Istage Tool Isternal Casing Packer DISPLACEMENT FI DISP. Fluid Type Istage Tipe Istage Tool Istag	Depth 21315 21300 LUID AND VO INHIBITED WATE 2016 2186 2185 1067 DOUGLAS MILL COLT BERRY TY BERRY	LUME R Bulk 660 Unit # Bulk 660 Unit # Bulk 660 Unit #	Volume (Bbls.) Volume (Bbls.) Volume (Bbls.) 2047 2127	Centeralizers Top Plug Bottom Plug Foam Wiper 471 Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit # Bulk 1600 Unit # Dulk 1600 Unit # Bulk 1600 Unit #	Density (PPG) Density (PPG) Density (PPG) 2074 2036 2159	Other Other Other Other Other Employe Employe Employe	Total Water R ntity 8.4 8.4	Manufacturer Manufacturer	1716

CEMENTING SUMMARY

Chimichangas 12 State Com 601H

☐ Surface

Cuft/Ft Factor

Cuft/Ft Factor

Ticket Number | 11407708

Maximum Pressure

Maximum Pressure

Cesar Acosta

☐ Squeeze

Bbl/ft Factor

0.0221

Bbl/Ft Factor

Lease and Well Number

Weight

20

Weight

□ PTA

Bid Prepared By

☑ Production

Grade

P110

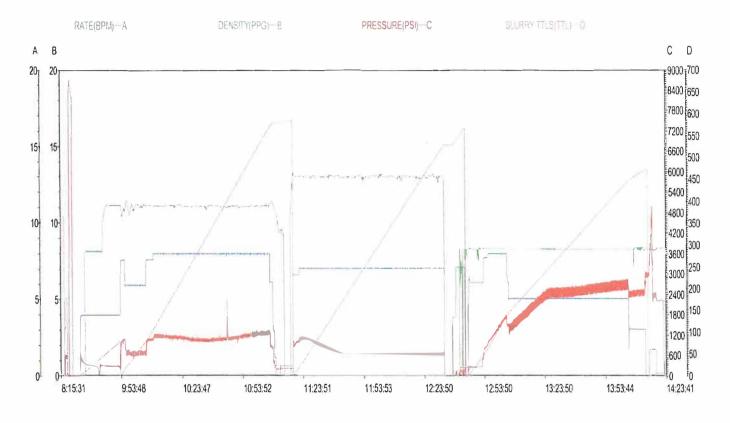
Grade

COMPASS JOB LOG Development, Inc. 601H Production Ticket Number 11407708 FLUID PUMPED DATA RETURNS WELL REMARKS DRILL PIPE/ TOTAL STAGE VOLUME RATE ANNULUS FLUID TYPE RETURNS (BBLS MIN. (F, P, NR) 04/10/20 19:00 CREW CALLED OUT 21:00 CREW LEAVE YARD 23:00 CREW ARRIVE ON LOCATION 23:10 SAFETY MEETING/SPOT EQUIPMENT 23:30 MEET WITH COMPANY REP. 23:45 TEST WATER/RIG UP 04/11/20 0:30 WAIT FOR RIG TO RUN CASING/CIRCULATE WELL/RIG CIRCULATED 3 HOURS 9:15 SAFETY MEETING 10:00 RIG UP FLOOR 10:21 650 5 FW FILL LINES 10:24 TEST LINES FW DROP BOTTOM PLUG W/ 1250 PSI BURST DISK 10:29 10:32 350 70 70 BARITE PUMP 70 BBLS BARITE SPACER @ 11.1# 10:48 1000 587 PUMP LEAD CMT 1050 SKS/3.14/ YIELD/19.14 G/SK/587 BBLS/ 11.1# CMT 0 11:05 1200 100 8 CMT PUMP LEAD CMT 1050 SKS/3.14/ YIELD/19.14 G/SK/587 BBLS/ 11.1# 11:17 1105 CMT 200 8 PUMP LEAD CMT 1050 SKS/3.14/ YIELD/19.14 G/SK/587 BBLS/ 11.1# 11:29 1040 300 PUMP LEAD CMT 1050 SKS/3.14/ YIELD/19.14 G/SK/587 BBLS/ 11.1# 8 CMT 11:42 1090 398 8 CMT LAND BOTTOM PLUG/1090 PS! - 1500 PSI 11:42 1090 400 8 CMT PUMP LEAD CMT 1050 SKS/3.14/ YIELD/19.14 G/SK/587 BBLS/ 11.1# 12:03 1200 587 PUMP LEAD CMT 1050 SKS/3.14/ YIELD/19.14 G/SK/587 BBLS/ 11.1# 8 CMT 12:03 580 548 0 CMT PUMP TAIL CMT 2040 SKS/1.51 YIELD/7.51 G/SK/548 BBLS/ 13# 12:30 800 100 CMT PUMP TAIL CMT 2040 SKS/1.51 YIELD/7.51 G/SK/548 BBLS/ 13# 12:47 640 200 7 CMT PUMP TAIL CMT 2040 SKS/1.51 YIELD/7.51 G/SK/548 BBLS/ 13# 12:57 628 300 CMT PUMP TAIL CMT 2040 SKS/1.51 YIELD/7.51 G/SK/548 BBLS/ 13# 13:11 634 400 CMT PUMP TAIL CMT 2040 SKS/1.51 YIELD/7.51 G/SK/548 BBLS/ 13# 13:31 630 548 7 CMT PUMP TAIL CMT 2040 SKS/1.51 YIELD/7.51 G/SK/548 BBLS/ 13# 13:31 SHUT DOWN/WASH UP/DROP TOP PLUG W/ 3000 PSI BURST DISK 13:41 260 471 0 SUGAR PUMP DISPLACEMENT/10 BBLS SUGAR WATER/461 BBLS INHIBITED WATER/TOTAL 471 6 14:05 1380 100 8 INHIB F PUMP DISPLACEMENT/10 BBLS SUGAR WATER/461 BBLS INHIBITED WATER/TOTAL 471 14:12 2120 INHIB PUMP DISPLACEMENT/10 BBLS SUGAR WATER/461 BBLS INHIBITED WATER/TOTAL 471 200 14:32 2580 300 INHIB PUMP DISPLACEMENT/10 BBLS SUGAR WATER/461 BBLS INHIBITED WATER/TOTAL 471 14:52 2750 400 INHIB PUMP DISPLACEMENT/10 BBLS SUGAR WATER/461 BBLS INHIBITED WATER/TOTAL 471 15:00 2750 440 INHIB SLOW RATE LAST 30 BBLS TO 3 BPM 15:09 BUMP PLUG/2500 PSI -3000 PSI 3000 FW 15:09 SHUT DOWN 15:12 FW PRESSURE UP TO BURST 3000 PSI DISK/3000 PSI - 4900 PSI 2450 15:12 4 4 1.7 FW PUMP 4 BBLS FOR WET SHOE 15:14 SHUT DOWN 15:20 CHECK FLOATS/3.5 BBLS BACK 15:25 SAFETY MEETING 15:30 **RIG DOWN** 14:00 CREW LEAVE LOCATION 305 BBLS OF CEMENT CIRCULATED TO SURFACE WELL INFO: TD21322/TP 21315.21/SI 15.05/TVD 11271/PC 9.625/40#/I55/5495'/ OH S.75 FROM 5495' - 11517'/OH 8.5 11517' - TD/WF 11# OBM/CENT. 0 FACTORS:C& 8.75 OH/.0450/C& 8.5 OH/.0408/C .0221/C&C .0464.BURST 9888/COL. 8864 WATER: TEMP. 55/CHLO. 500/SULFATES 200/PH 7/IRON 0 TC: 465.5 BC: 471.5

Chimichangas 12 State Com

Centennial Resource

Date:04-11-2020 Well Name:CHIMICHANGAS 12 STATE COM601H Location:LEACo. NM. Country:USA Operator:COLT BERRY Supervisor:DOUGLAS MILLER Type of Job:PRODUCTION Contact Address: Comment:CENTENNIAL RESOURCE DEVELOPMENT, INC.



Chart



Field Test - Water Analysis Report

COMPANY: <u>https://document.ll</u>	Date Recorded _	4/10/2020
SUBMITTED BY:DOUGLAS MILLER	SO#_	11407708
LEASE and WELL#: Chimichangas 12 State Com 601h	Job Type _	Production
	Camp Location	Midland

CEMENT MIX WATER REQUIREMENTS

Recorded		Assessabl	
	11.9	Acceptabl	
Test Value	Units	e Limit	Potential Problems in Exceeding Limit
7		6.0 - 8.0	Chemicals in the water can cause severe retardation
500	ppm	3000 ppm	Can shorten thickening time of cement
200	ppm	1500 ppm	Will greatly decrease the strength of cement
0	ppm	300 mg/L	Can reduce Compressive Strength
56	oF	40-100 °F	High temps will accelerate; Low temps may risk freezing in cold weather
	7 500 200 0	7 500 ppm 200 ppm 0 ppm	7 6.0 - 8.0 500 ppm 3000 ppm 200 ppm 1500 ppm 0 ppm 300 mg/L