

**RECEIVED***By OCD District 1 at 2:49 pm, Aug 04, 2015***Lupe Carrasco**
Environmental Coordinator

August 4, 2015

Oil Conservation Division
District 2 – Artesia
811 S. First St.
Artesia, NM 88210

Conditionally

APPROVED*By OCD District 1 at 2:49 pm, Aug 04, 2015*

Re: Pronghorn SWD #1
30-025-32735
Sec. 24, T19S-R32E
Lea County, NM

1. RP will remain open until abandonment, at which point delineation will be conducted to understand extent of contamination.
2. Ensure BLM concurrence/approval.

Dr. Tomas Oberding,

COG Operating LLC would like to submit for your consideration the enclosed documents for closure of the above captioned well. The documents are in response to the C-141 initial report dated March 16, 2015.

Background

The release was caused by a check valve failure resulting in the release of approximately 275 barrels of produced water of which 250 barrels were recovered. The release occurred on the location and ran into the pasture on the east and west side of the location. The west side point of impact occurred over a previously remediated area that includes a 40 mil liner cap at a depth of 4' (outlined in green on the attached Site Diagram).

Groundwater

Based on the Chevron Trend Maps, the release area would be classified at a site ranking of Zero due to the depth of groundwater at greater than 275'. The only well information found for this area pertained to a dry well that was drilled by Tetra Tech on July 14, 2009 in Section 24, Township 19S, Range 32E. The well was drilled to a depth of 141' below surface to determine that groundwater was greater than 100' in depth.

Soil Assessment and Analytical Results

Soil assessment results were not obtained on the pad due to the associated hazards of produced water lines, electrical conduits, and the existence of a below surface liner on the West side of the location. Soil assessment results were also not obtained on the West side of the location due to the existence of a liner at an approximate depth of 4' and associated hazards around existing pipeline infrastructure. Soil assessment results

were obtained on the east side of the location in the pasture with results showing BTEX and TPH levels to be non-detect and chloride levels to be within tolerance levels for regrowth of vegetation. A Site Diagram has been attached for your consideration depicting the approximate area of impaction, existing liner, and infrastructure within and near the facility.

Work Plan

COG Operating LLC proposes no excavation of the release area due to the previous installation of liners at a depth of 4' and soil assessment results with in tolerable levels for plant growth. Any future mitigation of releases will be handled at time of abandonment of the facility.

If there are no objections or further stipulations, COG Operating LLC would like to request closure of the site based on approval of this work plan. Please feel free to contact me with any questions or concerns at (575) 725-0787.

Sincerely,



Lupe Carrasco
Environmental Coordinator

Enclosed: Site Diagram
C-141 Initial (copy)
C-141 Final
Analytical Results

July 30, 2015

Pronghorn SWD #1

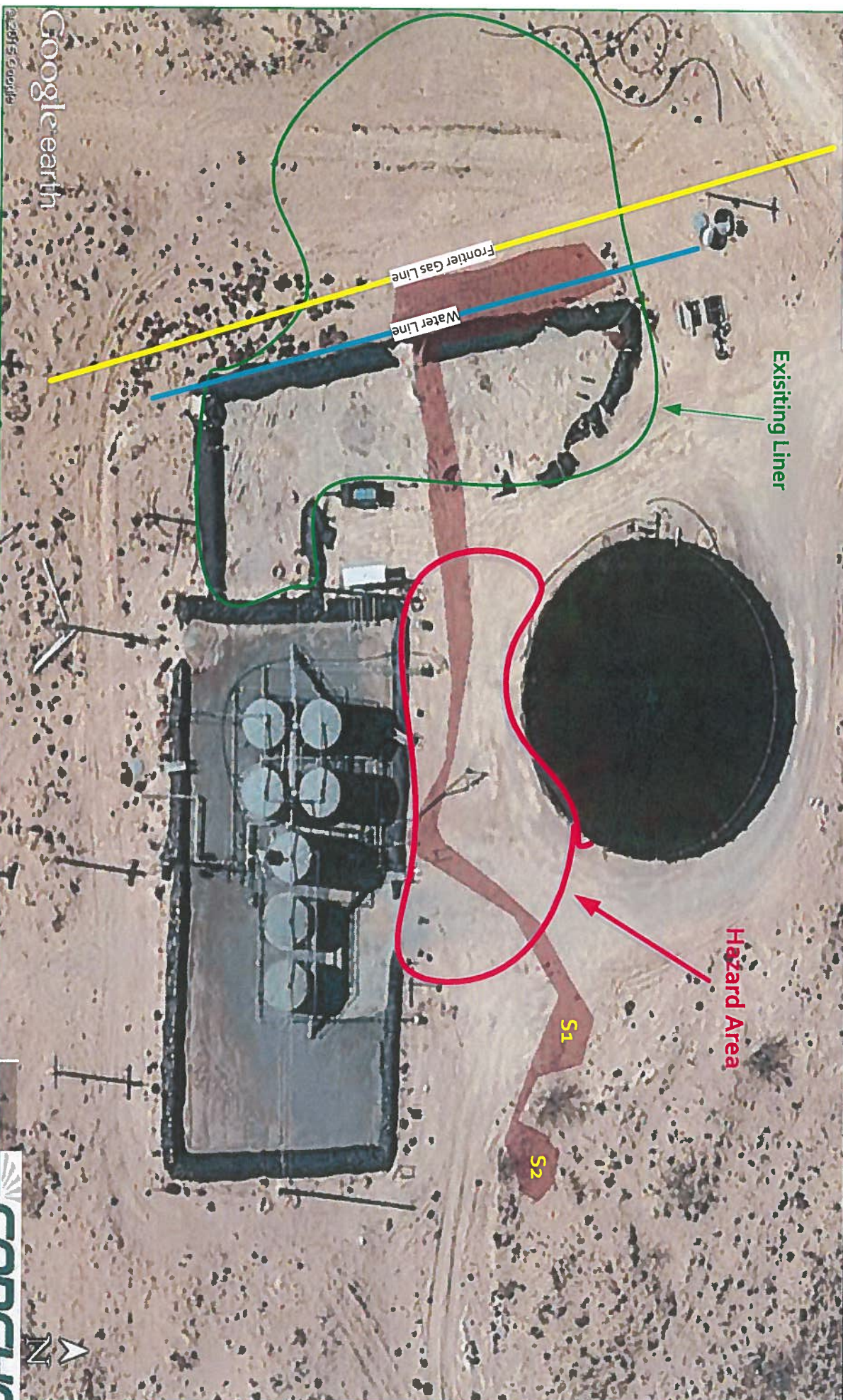
Sec. 24, T19S-R32E

30-025-32735

32.8521187,-103.7165222

Released: 275 BFPW
Recovered: 250 BFPW

S1	BTEX	GRO	DRO	TPH	Cl-
1'	ND	ND	ND	ND	80
2'					80
S2	BTEX	GRO	DRO	TPH	Cl-
1'	ND	ND	ND	ND	880
2'					84



Google earth

©2015 Google

CONCHO

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077	
Facility Name: Pronghorn SWD #1	Facility Type: SWD	
Surface Owner: Federal	Mineral Owner:	API No. 30-025-32735

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	24	19S	32E	330	North	1650	East	Lea

Latitude 32.6521148131558 Longitude -103.716550178267

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 275 bbls	Volume Recovered: 250 bbls
Source of Release: Check Valve Failure	Date and Hour of Occurrence: 3/16/2015 8:23 am	Date and Hour of Discovery: 3/16/2015 8:23 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding - NMOCD	
By Whom? Amanda Trujillo	Date and Hour: 3/17/2015 4:58 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

This release was caused by check valve failure on facility piping. Vacuum trucks were dispatched to recover all standing fluids and dispose of at an NMOCD approved facility.

Describe Area Affected and Cleanup Action Taken.*

The impacted area is to west of the bermed area on the pad area. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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 federal, state, or local laws and/or regulations.

Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: atrujillo@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: April 1, 2015 Phone: 575-748-6940			

* Attach Additional Sheets If Necessary

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

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Form C-141
Revised August 8, 2011

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accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Pronghorn SWD #1	Facility Type: SWD

Surface Owner: Federal	Mineral Owner:	API No. 30-025-32735
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LOCATION OF RELEASE

Unit Letter B	Section 24	Township 19S	Range 32E	Feet from the 330	North/South Line North	Feet from the 1650	East/West Line East	County Lea
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Latitude 32.6521148131558 Longitude -103.716550178267

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 275 bbls	Volume Recovered: 250 bbls
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Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding - NMOCD	
By Whom? Amanda Trujillo	Date and Hour: 3/17/2015 4:58 PM	
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Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Lupe Carrasco	Approved by Environmental Specialist:		
Title: Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: gcarrasco@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: July 30, 2015	Phone: 575-748-6940		

* Attach Additional Sheets If Necessary

June 12, 2015

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: PRONGHORN SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/08/15 11:50.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
LUPE CARRASCO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 06/08/2015
Reported: 06/12/2015
Project Name: PRONGHORN SWD
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/04/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1 - 1' (H501465-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTEX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/11/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	182	91.2	200	1.35	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	194	97.2	200	1.68	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 119 % 52.1-176

Sample ID: S1 - 2' (H501465-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/11/2015	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
LUPE CARRASCO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 06/08/2015
Reported: 06/12/2015
Project Name: PRONGHORN SWD
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/04/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2 - 1' (H501465-08)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.05	103	2.00	0.638	
Toluene*	<0.050	0.050	06/10/2015	ND	2.04	102	2.00	0.700	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.13	107	2.00	2.01	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.81	96.9	6.00	2.27	
Total BTEX	<0.300	0.300	06/10/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	06/11/2015	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	182	91.2	200	1.35	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	194	97.2	200	1.68	

Surrogate: 1-Chlorooctane 94.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

Sample ID: S2 - 2' (H501465-09)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	84.0	16.0	06/11/2015	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

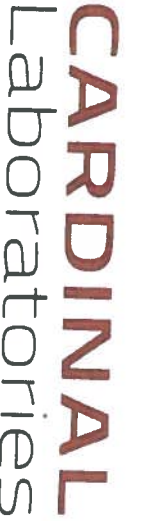
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#51



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

Company Name: CCG						BILL TO					
Project Manager: Lupa Carina SCD						P.O. #:					
Address:						Company:					
City:						Attn:					
Phone #:						Address:					
Fax #:						City:					
Project #:						State:					
Project Name: Bingham SCD						Zip:					
Project Location:						Phone #:					
Sampler Name:						Fax #:					
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.				MATRIX		PRESERV		SAMPLING	
						(G)RAB OR (C)OMP.		# CONTAINERS		DATE TIME	
						GROUNDWATER					
						WASTEWATER					
						SOIL					
						OIL					
						SLUDGE					
						OTHER					
						ACID/BASE					
						ICE / COOL					
						OTHER					
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Relinquished By:				Date: 6/15				Received By:			
Relinquished By:				Time: 11:50				Received By:			
Date:				Date:				Time:			
Delivered By: (Circle One)				Sample Condition				CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-7326				REMARKS:							