

**FORM
INSP**

Rev
X/20

**State of Colorado
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Inspection Date:

08/09/2022

Submitted Date:

08/09/2022

Document Number:

697006324

FIELD INSPECTION FORM

Loc ID 446104 Inspector Name: Peterson, Tom On-Site Inspection 2A Doc Num: _____

Status Summary:

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED

Operator Information:

OGCC Operator Number: 10542
Name of Operator: CUB CREEK ENERGY
Address: 200 PLAZA DRIVE SUITE 100
City: HIGHLANDS State: CO Zip: 80129

Findings:

- 33 Number of Comments
- 4 Number of Corrective Actions
- Corrective Action Response Requested

ANY CORRECTIVE ACTION(S) FROM PREVIOUS INSPECTIONS THAT HAVE NOT BEEN ADDRESSED ARE STILL APPLICABLE

Contact Information:

Contact Name	Phone	Email	Comment
Rico, Trenton		trenton.rico@cub-creek.com	
Baily, Scott		scott.baily@cub-creek.com	All Inspections

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
446099	WELL	PR	01/31/2017	OW	123-43242	MARKHAM 10	PR
446100	WELL	PR	01/19/2017	OW	123-43243	MARKHAM 4	PR
446101	WELL	PR	09/01/2020	OW	123-43244	MARKHAM 6	PR
446102	WELL	PR	10/01/2021	OW	123-43245	MARKHAM 7	PR
446103	WELL	PR	09/01/2020	OW	123-43246	MARKHAM 9	PR
446105	WELL	PR	09/01/2020	OW	123-43247	MARKHAM 5	PR
446106	WELL	PR	04/17/2018	OW	123-43248	MARKHAM 8	PR
446107	WELL	PR	09/01/2020	OW	123-43249	MARKHAM 3	PR
446207	WELL	PR	02/08/2017	OW	123-43274	MARKHAM 12	PR
446208	WELL	PR	09/01/2020	OW	123-43275	MARKHAM 11	PR
447875	WELL	PR	03/19/2018	OW	123-43649	MARKHAM 2	PR
447876	WELL	SI	04/01/2022	OW	123-43650	MARKHAM 1	PR

General Comment:

Location

Overall Good:

Signs/Marker:			
Type	CONTAINERS		
Comment:	Methanol and chemical systems, lube oil storage.		
Corrective Action:		Date:	
Type	BATTERY		
Comment:			
Corrective Action:		Date:	
Type	OTHER		
Comment:	Lease road entrance		
Corrective Action:		Date:	
Type	TANK LABELS/PLACARDS		
Comment:	Crude oil tanks contents and NFPA placards too small to read at distance, see attached photos		
Corrective Action:	Install sign to comply with Rule 605.h.	Date:	11/11/2022
Type	TANK LABELS/PLACARDS		
Comment:	Vault at compressor lacks placards, see attached photo.		
Corrective Action:	Install sign to comply with Rule 605.h.	Date:	11/11/2022
Type	WELLHEAD		
Comment:	x 12		
Corrective Action:		Date:	

Emergency Contact Number:

Comment:

Corrective Action:

Date:

Overall Good:

Spills:			
Type	Area	Volume	

In Containment: No

Comment:

Multiple Spills and Releases?

Fencing/:			
Type	LOCATION		
Comment:	Chain link		
Corrective Action:		Date:	
Type	OTHER		
Comment:	Soundwalls at compressor		
Corrective Action:		Date:	

Equipment:			corrective date
Type: Plunger Lift	# 2		
Comment:			
Corrective Action:			Date:
Type: Gas Meter Run	# 2		
Comment:	DCP gas sales meter calibration is outdated. Meter not calibrated annually, see attached photo.		
Corrective Action:	Calibrate gas metering equipment annually to comply with rule 430.d.(1).		Date: <u>11/11/2022</u>
Type: Prime Mover	# 3		
Comment:	Natural gas engines on compressor, genset and VRU		
Corrective Action:			Date:
Type: LACT	# 1		
Comment:			
Corrective Action:			Date:
Type: Compressor	# 1		
Comment:			
Corrective Action:			Date:
Type: Ancillary equipment	#		
Comment:	Automation arrays, solar array, genset, electrical systems, ECD scrubbers, bulk lube oil storage in secondary containment with wildlife netting, recirculation pump, supplied air compressors, chemical and methanol systems in secondary containment		
Corrective Action:			Date:
Type: Horizontal Heated Separator	# 13		
Comment:			
Corrective Action:			Date:
Type: VRU	# 1		
Comment:			
Corrective Action:			Date:
Type: Prime Mover	# 5		
Comment:	Electric motors on supplied air compressors, recirculation pump and LACT		
Corrective Action:			Date:
Type: Pig Station	# 2		
Comment:			
Corrective Action:			Date:
Type: Flow Line	# 12		
Comment:			
Corrective Action:			Date:
Type: Bird Protectors	# 17		
Comment:			
Corrective Action:			Date:
Type: VRT	# 1		

Comment:			
Corrective Action:		Date:	
Type: Emission Control Device	# 4		
Comment:	Pilots are on		
Corrective Action:		Date:	
Type: Vertical Separator	# 4		
Comment:			
Corrective Action:		Date:	
Type: Ancillary equipment	#		
Comment:	Methanol storage at genset lacks wildlife protection, see attached photo.		
Corrective Action:	Install or repair wildlife protection equipment.	Date:	11/11/2022
Type: Gathering Line	# 1		
Comment:			
Corrective Action:		Date:	

Tanks and Berms:

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	1	<100 BBLS	PBV CONCRETE		,
Comment:	60 bbls				
Corrective Action:					Date:

Paint

Condition	Adequate
Other (Content)	
Other (Capacity)	
Other (Type)	

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate
Comment:	Lined berm			
Corrective Action:				Date:

Contents	#	Capacity	Type	Tank ID	SE GPS
OTHER	1	<50 BBLS	PBV FIBERGLASS		,
Comment:	Unknown capacity at compressor				
Corrective Action:					Date:

Paint

Condition	Adequate
Other (Content)	
Other (Capacity)	
Other (Type)	

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficent	Base Sufficent	Adequate	
Comment:					
Corrective Action:					Date:
Contents	#	Capacity	Type	Tank ID	SE GPS
CONDENSATE	1	<50 BBLS	PBV FIBERGLASS		,
Comment:	5 bbls at VRU				
Corrective Action:					Date:
<u>Paint</u>					
Condition	Adequate				
Other (Content)					
Other (Capacity)					
Other (Type)					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficent	Base Sufficent	Adequate	
Comment:					
Corrective Action:					Date:
Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	2	400 BBLS	STEEL AST		,
Comment:					
Corrective Action:					Date:
<u>Paint</u>					
Condition	Adequate				
Other (Content)					
Other (Capacity)					
Other (Type)					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficent	Base Sufficent	Adequate	
Comment:	Lined berm				
Corrective Action:					Date:
Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	8	400 BBLS	STEEL AST		,
Comment:					
Corrective Action:					Date:
<u>Paint</u>					
Condition	Adequate				
Other (Content)					
Other (Capacity)					

Other (Type) _____	
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Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate
Comment: Lined berm				
Corrective Action:				Date:

Venting:

Yes/No	NO		
Comment:			
Corrective Action:			Date:

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Inspected Facilities			
Facility ID: <u>446099</u>	Type: <u>WELL</u>	API Number: <u>123-43242</u>	Status: <u>PR</u> Insp. Status: <u>PR</u>
Producing Well			
Comment: <u>PR</u>	Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>
BradenHead			
Date of Last Brhd Test: <u>12/09/2021</u>		Annual Brhd Completed? <u>Yes</u>	
Last Brhd Test Results Initial Surf Csg Pressure: <u>40</u>		Fluid Type: <u>NONE</u>	
End Surf Csg Pressure: <u>0</u>			
Comment: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>	
Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>	
Facility ID: <u>446100</u>	Type: <u>WELL</u>	API Number: <u>123-43243</u>	Status: <u>PR</u> Insp. Status: <u>PR</u>
Producing Well			
Comment: <u>PR</u>	Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>
BradenHead			
Date of Last Brhd Test: <u>12/09/2021</u>		Annual Brhd Completed? <u>Yes</u>	
Last Brhd Test Results Initial Surf Csg Pressure: <u>0</u>		Fluid Type: <u>NONE</u>	
End Surf Csg Pressure: <u>0</u>			
Comment: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>	
Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>	
Facility ID: <u>446101</u>	Type: <u>WELL</u>	API Number: <u>123-43244</u>	Status: <u>PR</u> Insp. Status: <u>PR</u>
Producing Well			
Comment: <u>PR</u>	Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>
BradenHead			
Date of Last Brhd Test: <u>12/09/2021</u>		Annual Brhd Completed? <u>Yes</u>	
Last Brhd Test Results Initial Surf Csg Pressure: <u>40</u>		Fluid Type: <u>NONE</u>	
End Surf Csg Pressure: <u>0</u>			
Comment: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>	
Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>	
Facility ID: <u>446102</u>	Type: <u>WELL</u>	API Number: <u>123-43245</u>	Status: <u>PR</u> Insp. Status: <u>PR</u>
Producing Well			
Comment: <u>PR</u>	Corrective Action: <input style="width: 100%;" type="text"/>		Date: <input style="width: 50%;" type="text"/>

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes
 Last Brhd Test Results Initial Surf Csg Pressure: 15 Fluid Type: NONE
 End Surf Csg Pressure: 0

Comment:

Corrective Action:

Date: _____

Facility ID: 446103 Type: WELL API Number: 123-43246 Status: PR Insp. Status: PR

Producing Well

Comment: PR

Corrective Action:

Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes
 Last Brhd Test Results Initial Surf Csg Pressure: 5 Fluid Type: NONE
 End Surf Csg Pressure: 0

Comment:

Corrective Action:

Date: _____

Facility ID: 446105 Type: WELL API Number: 123-43247 Status: PR Insp. Status: PR

Producing Well

Comment: PR

Corrective Action:

Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes
 Last Brhd Test Results Initial Surf Csg Pressure: 0 Fluid Type: NONE
 End Surf Csg Pressure: 0

Comment:

Corrective Action:

Date: _____

Facility ID: 446106 Type: WELL API Number: 123-43248 Status: PR Insp. Status: PR

Producing Well

Comment: PR

Corrective Action:

Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes
 Last Brhd Test Results Initial Surf Csg Pressure: 5 Fluid Type: NONE
 End Surf Csg Pressure: 0

Comment:

Corrective Action:

Date: _____

Facility ID: 446107 Type: WELL API Number: 123-43249 Status: PR Insp. Status: PR

Producing Well

Comment: <u>PR</u>	
Corrective Action:	Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes

Last Brhd Test Results Initial Surf Csg Pressure: 35 Fluid Type: NONE

End Surf Csg Pressure: 0

Comment:

Corrective Action: Date:

Facility ID: 446207 Type: WELL API Number: 123-43274 Status: PR Insp. Status: PR

Producing Well

Comment: <u>PR</u>	
Corrective Action:	Date:

BradenHead

Date of Last Brhd Test: 07/25/2022 Annual Brhd Completed? Yes

Last Brhd Test Results Initial Surf Csg Pressure: 0 Fluid Type: NONE

End Surf Csg Pressure: 0

Comment:

Corrective Action: Date:

Facility ID: 446208 Type: WELL API Number: 123-43275 Status: PR Insp. Status: PR

Producing Well

Comment: <u>PR</u>	
Corrective Action:	Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes

Last Brhd Test Results Initial Surf Csg Pressure: 0 Fluid Type: NONE

End Surf Csg Pressure: 0

Comment:

Corrective Action: Date:

Facility ID: 447875 Type: WELL API Number: 123-43649 Status: PR Insp. Status: PR

Producing Well

Comment: <u>PR</u>	
Corrective Action:	Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes

Last Brhd Test Results Initial Surf Csg Pressure: 45 Fluid Type: NONE

End Surf Csg Pressure: 0

Comment:

Corrective Action:

Date: _____

Facility ID: 447876 Type: WELL API Number: 123-43650 Status: SI Insp. Status: PR

Producing Well

Comment: PR

Corrective Action:

Date:

BradenHead

Date of Last Brhd Test: 12/09/2021 Annual Brhd Completed? Yes

Last Brhd Test Results Initial Surf Csg Pressure: 10 Fluid Type: NONE

End Surf Csg Pressure: 0

Comment:

Corrective Action:

Date: _____

Reclamation - Storm Water - Pit

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Gravel	Pass	Self Inspection	Pass	

Comment:

Corrective Action:

Date: _____

Pits: NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
<p>COGCC Inspection Report Summary On Tuesday 8/9/2022 at approximately 09:30 hours, I, Inspector Tom Peterson, conducted an on-site inspection at the Cub Creek Energy Markham Pad location #446104 in Weld County, Colorado. While there, I observed that the DCP gas sales meter calibration was outdated, the crude oil tanks contents and NFPA placards were inadequately sized, the compressor vault lacked all placards, and the methanol storage lacked adequate wildlife protections. During this inspection the following possible compliance issues were observed: Rule 430.d.(1). with a corrective action date of 11/11/2022, Rule 605.h. with a corrective action date of 11/11/2022, Rule 902.b. with a corrective action date of 11/11/2022. A follow up on this site inspection needs to be conducted to ensure the compliance issues have been corrected to comply with COGCC rules. This is a summary of the inspection report.</p>	petersont	08/09/2022

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
697006325	Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5824548