

**FORM  
INSP**Rev  
X/15**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:

12/05/2016

Submitted Date:

12/06/2016

Document Number:

685301900**FIELD INSPECTION FORM**
 Loc ID 313547 Inspector Name: St John, William (Cal) On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_
**Operator Information:**OGCC Operator Number: 45745Name of Operator: KC RESOURCES INCAddress: 110 MIDLAND AVENUECity: BASALT State: CO Zip: 81621**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**25 Number of Comments13 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Garrigues, Robert		rgarrigues@blm.gov	<a href="#">Tres Rios</a>
Harris, Christie	970-927-2764	cmarie@crystalriveroil.com	<a href="#">SW Insp Reports</a>
Labowskie, Steve		steve.labowskie@state.co.us	<a href="#">COGCC</a>
Howe, James	970-927-2764	jhowe@crystalriveroil.com	<a href="#">SW Inspections</a>

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
224429	WELL	SI	12/17/2014	OW	083-06494	MAIL TRAIL MESA F23 - 26G	TA

**General Comment:**

Inspection report contains corrective actions and comments. See Signs/Marker, Good Housekeeping, Spills, Equipment, Tanks and Berms, Related Facility, and Stormwater Sections of report for additional details. See link at end of report for path to downloadable pictures.

Location				
<b>Lease Road:</b>				
Type	Access			
comment:				
Corrective Action	L		Date:	
Overall Good: <input type="checkbox"/>				
<b>Signs/Marker:</b>				
Type	WELLHEAD			
Comment:	Sign reflects Crystal River Oil and Gas, LLC as operator and records indicate KC Resources Inc to be operator of record.			
Corrective Action:	Install sign to comply with Rule 210.b		Date:	02/06/2017
Type	TANK LABELS/PLACARDS			
Comment:	Tanks are missing signage.			
Corrective Action:	Install sign to comply with Rule 210.d		Date:	02/06/2017
Emergency Contact Number:				
Comment:				
Corrective Action:			Date:	
<b>Good Housekeeping:</b>				
Type	UNUSED EQUIPMENT			
Comment:	Pump jack horse head, wellhead piping, drive belt, fittings, and other production related parts and pieces lying at wellhead and around pump jack.			
Corrective Action:	Remove or use equipment to comply with Rule 603.f using the Rule 603.f guidance document for additional details.		Date:	01/06/2017
Type	OTHER			
Comment:	Stained soil around rear of Pump Jack from motor leaking Lube oil.			
Corrective Action:	Clean up and remediate stained soil to comply with Rule 906.a.		Date:	01/06/2017
Type	DEBRIS			
Comment:	NE corner of location has pile of concrete pieces, plastic 55 gallon drum, and black poly line left at location.			
Corrective Action:	Remove debris to comply with Rule 603.f using the Rule 603.f guidance document for further details.		Date:	01/06/2017
Type	UNUSED EQUIPMENT			
Comment:	Tank at east end of battery has rear man hatch removed and tank cleaned out. It is currently disconnected and not in use.			
Corrective Action:	Remove unused equipment to comply with Rule 603.f using the Rule 603.f guidance document for further details.		Date:	03/07/2017
Overall Good: <input type="checkbox"/>				
<b>Spills:</b>				
Type	Area	Volume		
Crude Oil	Tank	<= 1 bbl		
Comment:	Tank load outs containments have overflowed.			
Corrective Action:	Clean up and remediate stained soil and gravel to comply with Rule 906.a.		Date:	01/06/2017

In Containment: Yes

Comment: ☐ Multiple Spills and Releases?

<b>Fencing/:</b>			
Type	LOCATION		
Comment:	Post and wire.		
Corrective Action:		Date:	

<b>Equipment:</b>			corrective date
Type: VRT	# 1		
Comment:			
Corrective Action:		Date:	
Type: Prime Mover	# 1		
Comment:	Natural Gas Motor		
Corrective Action:		Date:	
Type: Horizontal Heated Separator	# 1		
Comment:			
Corrective Action:		Date:	
Type: Gas Meter Run	# 1		
Comment:			
Corrective Action:		Date:	
Type: Deadman # & Marked	# 4		
Comment:	Not all deadmen marked.		
Corrective Action:	Locate and mark all deadmen to comply with Rule 1003.a.	Date:	12/23/2016
Type: Pump Jack	# 1		
Comment:	Horsehead and Safety Barrier removed.		
Corrective Action:		Date:	
Type: Ancillary equipment	# 1		
Comment:	Wellhead		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:			
Corrective Action:		Date:	
Type: Bird Protectors	# 1		
Comment:			
Corrective Action:		Date:	
Type: Pig Station	# 1		
Comment:			
Corrective Action:		Date:	
Type: Horizontal Heater Treater	# 1		
Comment:	Stack has been removed and equipment does not appear to be in use.		

Corrective Action:	Remove unused equipment to comply with Rule 603.f using the Rule 603.f guidance document for further details.	Date:	03/07/2017
Type: Other	# 2		
Comment:	Riser and valve		
Corrective Action:		Date:	

**Tanks and Berms:**

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	1	400 BBLs	STEEL AST		37.156560,-109.012530
Comment:	Tank is missing required signage. Bull plug missing from loadout. Loadout reservoirs have overflowed staining soil and gravel around them.				
Corrective Action:					Date:

**Paint**

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

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient	Base Insufficient	Inadequate	
Comment:	Weeds, grass and sage growing inside bermed containment area.				
Corrective Action:	Repair or install berms or other secondary containment device to comply with Rule 605.a. (4).			Date:	
Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	3	400 BBLs	STEEL AST		
Comment:	Tanks are missing required signage. Load out missing bull plug. Loadout reservoirs have overflowed staining soil and gravel around them. E tank disconnected and not in use.				
Corrective Action:					Date:

**Paint**

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

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient	Base Insufficient	Inadequate	
Comment:	Weeds, grass, and sage growing inside bermed containment area.				
Corrective Action:	Repair or install berms or other secondary containment device to comply with Rule 605.a. (4).			Date:	
Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	3	400 BBLs	STEEL AST		
Comment:	Tanks are missing required signage. Load out missing bull plug. Loadout reservoirs have overflowed staining soil and gravel around them. E tank disconnected and not in use.				
Corrective Action:					Date:

**Venting:**

Yes/No	NO
Comment:	
Corrective Action:	Date:

<b>Flaring:</b>			
Type			
Comment:			
Corrective Action:		Date:	

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**Inspected Facilities**Facility ID: 224429 Type: WELL API Number: 083-06494 Status: SI Insp. Status: TA**Idle Well**Purpose: ☒ Shut In ☐ Temporarily Abandoned

Reminder: \_\_\_\_\_

Comment: Well is currently TA. Production data reflects that well has been SI since August 2014 with no reporting since November 2014. Well file does not contain current MIT. MIT should of been completed by August 2016 to comply with Rule 326.b.(1).

Corrective Action: Contact Area COGCC Engineer.

Date: 12/19/2016

**Reclamation - Storm Water - Pit****Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: \_\_\_\_\_

Comment: \_\_\_\_\_

**1002 SITE PREPARATION AND STABILIZATION**

1002a. FENCING \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002b. SOIL REMOVAL AND  
SEGREGATION \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002c. PROTECTION OF SOILS \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002E. SURFACE DISTURBANCE MINIMIZATION \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1003a. Waste and Debris removed? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Unused or unneeded equipment onsite? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

- 1003b. Area no longer in use? \_\_\_\_\_ Production areas stabilized ? \_\_\_\_\_
- 1003c. Compacted areas have been cross ripped? \_\_\_\_\_
- 1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_
- Cuttings management: \_\_\_\_\_
- 1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? \_\_\_\_\_
- Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? \_\_\_\_\_

**RESTORATION AND REVEGETATION**Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

## 1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_ Date \_\_\_\_\_

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: \_\_\_\_\_

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Access Roads \_\_\_\_\_ Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_ Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_ Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_ Subsidence \_\_\_\_\_

## 1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date \_\_\_\_\_

Overall Final Reclamation \_\_\_\_\_ Well Release on Active Location ☐ Multi-Well Location ☐



**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Compaction	Fail	Compaction	Pass	Material Handling And Spill Prevention	Pass	
		Gravel	Pass	Self Inspection	Fail	

Comment: Erosion channels on the fill slope are carrying water and sediment into the tank containment and onto location. Area N of wellhead has ruts 8" - 14" deep where water is pooling on location.

Corrective Action: Repair or install required BMPs to comply with Rule 1002.f. Refer to the 1002.f guidance document for further details.

Date: 01/06/2017

Pits: ☒ NO SURFACE INDICATION OF PIT

**Attached Documents**

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

Document Num	Description	URL
685301918	Pump jacks removed horsehead	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020222">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020222</a>
685301919	Stained soil at motor	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020223">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020223</a>
685301921	Concrete left at location	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020224">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020224</a>
685301922	Ruts looking N from wellhead	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020225">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020225</a>
685301923	Stained soil at loadouts	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020226">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020226</a>
685301924	Weeds and grass inside containment berms	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020227">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020227</a>
685301925	Erosion channel on cut slope	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020228">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020228</a>