

FORM
INSPRev
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 _____ Inspector Name: _____ On-Site Inspection
313547 _____ St John, William (Cal) _____ 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: 45745
 Name of Operator: KC RESOURCES INC
 Address: 110 MIDLAND AVENUE
 City: BASALT State: CO Zip: 81621

Findings:

- 25 Number of Comments
13 Number of Corrective Actions
 Corrective Action Response Requested

Contact Information:

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

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			
Lease Road:			
Type	Access		
comment:			
Corrective ActionL			Date:
Overall Good: <input type="checkbox"/>			
Signs/Marker:			
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: <u>02/06/2017</u>
Type	TANK LABELS/PLACARDS		
Comment:	Tanks are missing signage.		
Corrective Action:	Install sign to comply with Rule 210.d		Date: <u>02/06/2017</u>
Emergency Contact Number:			
Comment:	<input type="text"/>		
Corrective Action:	<input type="text"/>		Date: _____
Good Housekeeping:			
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: <u>01/06/2017</u>
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: <u>01/06/2017</u>
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: <u>01/06/2017</u>
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: <u>03/07/2017</u>
Overall Good: <input type="checkbox"/>			
Spills:			
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: <u>01/06/2017</u>

In Containment: Yes

Comment:

Multiple Spills and Releases?

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

Equipment:			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:

Venting:

Yes/No	NO
Comment:	
Corrective Action:	Date:

Flaring:			
Type			
Comment:			
Corrective Action:		Date:	

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	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020222
685301919	Stained soil at motor	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020223
685301921	Concrete left at location	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020224
685301922	Ruts looking N from wellhead	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020225
685301923	Stained soil at loadouts	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020226
685301924	Weeds and grass inside containment berms	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020227
685301925	Erosion channel on cut slope	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4020228