

**FORM INSP**  
Rev 05/11

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

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



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Inspection Date:  
08/21/2014

Document Number:  
673705702

Overall Inspection:

**ACTION REQUIRED**

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>233535</u>	<u>316963</u>	<u>Sherman, Susan</u>	<input type="checkbox"/>	

**Operator Information:**

OGCC Operator Number:	<u>74770</u>
Name of Operator:	<u>RITCHIE EXPLORATION INC</u>
Address:	<u>P O BOX 783188</u>
City:	<u>WICHITA</u> State: <u>KS</u> Zip: <u>67278-</u>

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED
- INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

**Contact Information:**

Contact Name	Phone	Email	Comment
Rowe, Gary	(620) 872-0330	rowe_gary@sbglobal.net	
Niernberger, John	(316) 691-9500	jniernberger@ritchie-exp.com	
Ikenouye, Teri	(303) 894-2100	teri.ikenouye@state.co.us	COGCC Production/Information Processing
Nicholson, Dave	(303) 601-2023	dknicholson@q.com	

**Compliance Summary:**

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
03/07/2013	664000827	PR	PR	ACTION REQUIRED			No
10/18/2007	200121177	PR	PR	SATISFACTORY			No
03/12/2007	200106674	PR	PR	ACTION REQUIRED		Fail	Yes
07/16/2003	200041683	PR	SI	SATISFACTORY		Pass	No
02/25/2002	200024450	PR	PR	SATISFACTORY		Pass	No
06/21/2001	851497	ES	PR	SATISFACTORY		Pass	No
01/08/2001	882443	ES	PR	ACTION REQUIRED		Fail	Yes
07/19/2000	8811223	ES	AO	ACTION REQUIRED		Fail	Yes
04/16/1998	500158385	ES	PR			Fail	Yes
04/15/1998	500158384	ES	PR			Fail	Yes
11/08/1995	500158383	PR	PR			Pass	
09/26/1995	500158382	PR	PR			Fail	Yes

**Inspector Comment:**

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
107626	PIT	CL	09/23/1999		-	PETERSON 1	CL

233535	WELL	PR	10/01/2012	OW	121-05584	PETERSON 1	PR	<input checked="" type="checkbox"/>
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**Equipment:** Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: _____	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

<b>Signs/Marker:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY	Wellhead sign not required if battery sign of close by.		
TANK LABELS/PLACARDS	SATISFACTORY			
CONTAINERS	SATISFACTORY			
BATTERY	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY Corrective Date: \_\_\_\_\_

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

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

<b>Good Housekeeping:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WEEDS	SATISFACTORY	Will be mowed in September.		

<b>Spills:</b>				
Type	Area	Volume	Corrective action	CA Date
Crude Oil	Treater	<= 5 bbls	Remove or remediate stained soil at treater house and treater (see attached photos).	10/01/2014

Multiple Spills and Releases?

<b>Equipment:</b>					
Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Deadman # & Marked	4	SATISFACTORY			
Ancillary equipment	6	SATISFACTORY	2 REA poles, 2 chemical containers, propane tank, gas scrubber		
Vertical Heater Treater	1	<b>ACTION REQUIRED</b>	Berms 39.78851, - 103.41619	See Spills section.	10/08/2014
Bird Protectors	1	SATISFACTORY			

**Facilities:**  New Tank Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	OTHER	FIBERGLASS AST	39.788800,-103.416380
S/A/V:	ACTION REQUIRED		Comment: Hatch open (see attached photo).	
Corrective Action:	Close hatch.			Corrective Date: 09/05/2014

Paint

Condition

Other (Content) \_\_\_\_\_

Other (Capacity) 210 BBLs \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate
Corrective Action				Corrective Date
Comment				

**Facilities:**  New Tank Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	2	300 BBLs	STEEL AST	39.788670,-103.415950
S/A/V:	SATISFACTORY		Comment:	
Corrective Action:				Corrective Date:

Paint

Condition

Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate	Walls Sufficient	Base Sufficient	Inadequate
Corrective Action	Maintain tank berms.			Corrective Date 10/01/2014
Comment	See attached photo.			

**Venting:**

Yes/No	Comment

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 233535

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/AV:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

**S/AV:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Wildlife BMPs:**

**S/AV:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Stormwater:**

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

**Staking:**

**On Site Inspection (305):**

Surface Owner Contact Information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Operator Rep. Contact Information:

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

LGD Contact Information:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

Summary of Landowner Issues:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

**Facility**

Facility ID: 233535 Type: WELL API Number: 121-05584 Status: PR Insp. Status: PR

**Producing Well**

Comment: June 2014 last reported production data.

**Environmental**

**Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

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

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

Reportable: \_\_\_\_\_ GPS: Lat \_\_\_\_\_ Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_ Depth to Ground Water: \_\_\_\_\_

**Water Well:**

DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS : \_\_\_\_\_ Lat \_\_\_\_\_ Long \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

Emission Control Burner (ECB): \_\_\_\_\_

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

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

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

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

Comment: **CRP**

- 1003a. Debris removed? Pass CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Waste Material Onsite? Pass CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Unused or unneeded equipment onsite? Pass CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Guy line anchors removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Guy line anchors marked? Pass CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? Pass Production areas stabilized ? Pass

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

1003d. Drilling pit closed? Pass Subsidence over on drill pit? In

Cuttings management: \_\_\_\_\_

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? In

Production areas have been stabilized? Pass Segregated soils have been replaced? Pass

**RESTORATION AND REVEGETATION**

Cropland

Top soil replaced Pass Recontoured Pass Perennial forage re-established In

Non-Cropland

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

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

Inspector Name: Sherman, Susan

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

Overall Interim Reclamation  In Process

**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 \_\_\_\_\_

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	Pass	Compaction	Pass	MHSP	Pass	
Gravel	Pass					

S/A/V: SATISFACTOR \_\_\_\_\_ Corrective Date: \_\_\_\_\_  
Y \_\_\_\_\_

Comment: Erosion starting at pump jack.

CA: \_\_\_\_\_

**Pits:**  NO SURFACE INDICATION OF PIT

Pit Type: Produced Water Lined: NO Pit ID: \_\_\_\_\_ Lat: 39.788890 Long: -103.416180

**Lining:**

Liner Type: \_\_\_\_\_ Liner Condition: \_\_\_\_\_

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

**Fencing:**

Fencing Type: \_\_\_\_\_ Fencing Condition: \_\_\_\_\_

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

**Netting:**

Netting Type: \_\_\_\_\_ Netting Condition: \_\_\_\_\_

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

Anchor Trench Present: \_\_\_\_\_ Oil Accumulation: NO 2+ feet Freeboard: \_\_\_\_\_

Pit (S/A/V): ACTION Comment: West pit, ~75'x75'. Pit permit in database if listed under Matrix Energy LLC and is CL.

Corrective Action: Verify pit permit with COGCC Production. Date: \_\_\_\_\_

Pit Type: Produced Water Lined: NO Pit ID: Lat: 39.788830 Long: -103.415700

**Lining:**

Liner Type: \_\_\_\_\_ Liner Condition: \_\_\_\_\_

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

**Fencing:**

Fencing Type: \_\_\_\_\_ Fencing Condition: \_\_\_\_\_

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

**Netting:**

Netting Type: \_\_\_\_\_ Netting Condition: \_\_\_\_\_

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

Anchor Trench Present: \_\_\_\_\_ Oil Accumulation: NO 2+ feet Freeboard: \_\_\_\_\_

Pit (S/A/V): ACTION Comment: East pit, ~150'x50'. Pit permit in database if listed under Matrix Energy LLC and is CL.

Corrective Action: Verify pit permit with COGCC Production. Date: 10/01/2014

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

Document Num	Description	URL
673705878	Ritchie Peterson 1 Bat sign	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422545">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422545</a>
673705879	Ritchie Peterson 1 wellhead	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422546">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422546</a>
673705880	Ritchie Peterson 1 well sign	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422547">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422547</a>
673705881	Ritchie Peterson 1 Bat tank berms	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422548">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422548</a>
673705882	Ritchie Peterson 1 Bat tanks	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422549">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422549</a>
673705883	Ritchie Peterson 1 Bat pit	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422550">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422550</a>
673705884	Ritchie Peterson 1 Bat pit berms eroding into field	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422551">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422551</a>
673705885	Ritchie Peterson 1 Bat PW tank	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422552">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422552</a>
673705886	Ritchie Peterson 1 Bat PW tank/siphon/hatch	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422553">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422553</a>
673705887	Ritchie Peterson 1 Bat treater house stained soil	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422554">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422554</a>
673705888	Ritchie Peterson 1 Bat treater leak in house	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422555">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3422555</a>

## **ACTION REQUIRED**

**ANY ACTION REQUIRED** items listed on this report indicate that the oil and gas facility or the oil and gas operations listed on the report may be in violation of the rules and regulations of the Colorado Oil and Conservation Commission (“COGCC”) and corrective action is required.

There is reasonable cause to believe that a violation of the Oil and Gas Conservation Act, or of any rule, regulation, or order of the Commission, or of any permit issued by the Commission, has occurred. The Operator’s compliance with this Inspection Report is required to resolve these alleged violations. This document requires the Operator to timely respond to the COGCC and to comply with directives as listed by the **Corrective Action Deadline Date**. Failure to do so will result in the issuance of a Notice of Alleged Violation and initiation of enforcement proceedings in which COGCC will seek monetary penalties for the alleged violations pursuant to § 34-60-121, C.R.S. and Rule 523, COGCC Rules of Practice and Procedure, 2 CCR 404-1. (Please note that the COGCC's penalty authority was recently increased to a maximum of \$15,000 per day and penalties are no longer capped at a maximum of \$10,000 per violation.)