

**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:

07/31/2014

Document Number:

673705036

Overall Inspection:

ACTION REQUIRED**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	235971	317081	Sherman, Susan	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 74770Name of Operator: RITCHIE EXPLORATION INCAddress: P O BOX 783188City: WICHITA State: KS Zip: 67278-

- ☐ 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
AXELSON, JOHN		john.axelson@state.co.us	
Nicholson, Dave	(303) 601-2023	dknicholson@q.com	
Niernberger, John	(316) 691-9500	jniernberger@ritchie-exp.com	
Rowe, Gary	(620) 872-0330	rowe_gary@sbglobal.net	

Compliance Summary:

QtrQtr:	SENW	Sec:	10	Twp:	3S	Range:	52W
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
02/25/2008	200127585	PR	PR	SATISFACTOR Y			No
12/04/2007	200123125	PR	PR	ACTION REQUIRED			Yes
01/25/2001	882486	ES	PR	SATISFACTOR Y		Pass	No
01/08/2001	882449	ES	PR	ACTION REQUIRED		Fail	Yes
09/08/2000	200009672	PR	PR	SATISFACTOR Y		Pass	No
10/28/1999	500159185	ES	PR			Pass	No
09/08/1999	873047	CO	PR	ACTION REQUIRED		Fail	Yes
08/31/1999	873071	ES	PR			Pass	No
10/02/1998	500159184	ES	PR			Pass	No
09/21/1998	500159183	PR	PR			Pass	No
12/10/1996	500159182	PR	PR			Pass	No
02/14/1996	500159181	PR	PR			Fail	Yes
10/10/1995	500159180	PR	PR			Pass	No
09/12/1995	500159179	PR	PR			Fail	Yes
09/01/1994	500159178		PR				Yes

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07/14/1994	500159177		PR			Yes
04/22/1994	500159176		PR			Yes

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
107558	PIT		04/27/1973		-	MARICK	
107559	PIT		09/23/1999		-	MARICK "A" 1	
107560	PIT		09/23/1999		-	MARICK "A" 1	
107561	PIT		06/29/1999		-	MARICK	
107562	PIT		10/22/1997		-	MARICK 1A	
235971	WELL	PR	04/24/2003	OW	121-08461	MARICK 1-A	PR

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

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	ACTION REQUIRED	400 BBL tank in berm with E skim pit has no labels.	Install sign to comply with rule 210.	09/02/2014
BATTERY	SATISFACTORY			
CONTAINERS	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WEEDS	ACTION REQUIRED		Control weeds.	09/02/2014

Spills:

Type	Area	Volume	Corrective action	CA Date
Crude Oil	Valve	<= 5 bbls	Valve at separator. See attached photos. Fix leak.	08/29/2014
Crude Oil	Treater	<= 5 bbls	Stained oil east and north of treater outside of berms. Oil in treater/FWKO house and leaking out into berm. Fix leak. See attached photos. Remove or remediate stained soil and oil.	08/29/2014

Inspector Name: Sherman, Susan

Crude Oil	Truck Loadout	<= 5 bbls	In tank berm and west of tank berm. See attached photo. Remove or remediate stained soil.	08/29/2014
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☐ Multiple Spills and Releases?
Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Deadman # & Marked	4	SATISFACTORY			
Veritcal Heater Treater	1	ACTION REQUIRED	Berm 39.80940, - 203.29384.	Fix leak.	08/11/2014
FWKO	1	ACTION REQUIRED	Same berm as VHT.	Fix leak.	08/11/2014
Ancillary equipment	5	SATISFACTORY	electric box, electric panel, REA pole and transformer, chemical container at well, propane tank at treater		
Vertical Separator	1	SATISFACTORY	Berms 30.80914, - 103.19447		
Progressive Cavity	1	SATISFACTORY			

Facilities:
☐ New Tank

Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	400 BBLS	STEEL AST	39.808800,-103.193700
S/A/V:	ACTION REQUIRED	Comment:		
Corrective Action:	label tank			Corrective Date: 08/11/2014

Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate	Walls Sufficent	Base Sufficient	Inadequate
Corrective Action	Maintain berms.			Corrective Date 09/02/2014
Comment				

Inspector Name: Sherman, Susan

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2	400 BBLS	STEEL AST	,
S/A/V:			Comment: same berms as crude oil tanks	
Corrective Action:			Corrective Date:	

Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
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Comment	
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Facilities:	<input type="checkbox"/> New Tank	Tank ID: _____
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Contents	#	Capacity	Type	SE GPS
CRUDE OIL	2	400 BBLS	STEEL AST	39.809440,-103.193760

S/A/V: SATISFACTORY	Comment:	
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Corrective Action:		Corrective Date:	
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Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate	Walls Sufficient	Base Sufficient	Inadequate

Corrective Action	Maintain berms.	Corrective Date	09/02/2014
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Comment	
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Venting:		
Yes/No	Comment	

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 235971

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/A/V: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:**S/A/V:** _____ **Comment:** _____**CA:** _____ **Date:** _____**Wildlife BMPs:****S/A/V:** _____ **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: 235971 Type: WELL API Number: 121-08461 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 _____

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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: **corn and wheat field**

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	Fail	

S/A/V: **ACTION REQUIRED** Corrective Date: **09/02/2014**

Comment: **Two unlabeled 55 gal barrels outside of berm North of tank berm (see attached photo). Produced water pit berms eroding into crop field (see attached photo).**

CA: **Install stormwater BMPs to prevent offsite transport of chemicals and sediments.**

Pits: ☐ NO SURFACE INDICATION OF PIT

Pit Type: Produced Water Lined: NO Pit ID: _____ Lat: 39.808540 Long: -103.193730

Lining:

Liner Type: _____ Liner Condition: _____

Comment: _____

Fencing:

Fencing Type: _____ Fencing Condition: _____

Comment: _____

Netting:

Netting Type: _____ Netting Condition: _____

Comment: _____

Anchor Trench Present: _____ Oil Accumulation: YES 2+ feet Freeboard: _____

Pit (S/A/V): **ACTION** Comment: **Free oil on pit. 70'x70' south of east skim pit.**

Corrective Action: **Remove free oil from pit with in 24 hours-operator contacted 7/31/2014-2:00 pm.** Date: **08/01/2014**

Pit Type: Produced Water Lined: NO Pit ID: Lat: 39.808500 Long: -103.193700

Lining:

Liner Type: Liner Condition:

Comment:

Fencing:

Fencing Type: Fencing Condition:

Comment:

Netting:

Netting Type: Netting Condition:

Comment:

Anchor Trench Present: Oil Accumulation: YES 2+ feet Freeboard:

Pit (S/A/V): ACTION Comment: Free oil on pit. 125'x140'x50'x70'x60'x80", pit south and west of east skim pit.

Corrective Action: Remove free oil from pit with in 24 hours-operator contacted 7/31/2014-2:00 pm. Date: 07/25/2014

Pit Type: Produced Water Lined: NO Pit ID: Lat: 39.808270 Long: -103.193250

Lining:

Liner Type: Liner Condition:

Comment:

Fencing:

Fencing Type: Fencing Condition:

Comment:

Netting:

Netting Type: Netting Condition:

Comment:

Anchor Trench Present: Oil Accumulation: YES 2+ feet Freeboard:

Pit (S/A/V): ACTION Comment: Free oil on pit. West big pit, 250'x240'x50'x160'x170'x50', West pit.

Corrective Action: Remove free oil from pit with in 24 hours-operator contacted 7/31/2014-2:00 pm. Date: 08/01/2014

Pit Type: Produced Water Lined: NO Pit ID: Lat: 39.808310 Long: -103.193270

Lining:

Liner Type: Liner Condition:

Comment:

Fencing:

Fencing Type: Fencing Condition:

Comment:

Netting:

Netting Type: Netting Condition:

Comment:

Anchor Trench Present: Oil Accumulation: YES 2+ feet Freeboard:

Pit (S/A/V): ACTION Comment: Free oil on pit. East pit, 80'x270'.

Corrective Action: Remove free oil from pit with in 24 hours-operator contacted 7/31/2014-2:00 pm. Date: 08/01/2014

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Pit Type: Skimming/Settling Lined: NO Pit ID: _____ Lat: 39.808800 Long: -103.193700

Lining:

Liner Type: _____ Liner Condition: _____

Comment: _____

Fencing:

Fencing Type: _____ Fencing Condition: _____

Comment: _____

Netting:

Netting Type: Mesh Netting Condition: Holes

Comment: _____

Anchor Trench Present: YES Oil Accumulation: YES 2+ feet Freeboard: _____

Pit (S/A/V): ACTION Comment: Free oil on pit. East pit, 20'x120'.

Corrective Action: Remove free oil from pit with in 24 hours-operator contacted 7/31/2014-2:00 pm.
Restore 2' freeboard.

Date: 08/01/2014

Pit Type: Skimming/Settling Lined: NO Pit ID: _____ Lat: 39.809040 Long: -103.194410

Lining:

Liner Type: _____ Liner Condition: _____

Comment: _____

Fencing:

Fencing Type: _____ Fencing Condition: _____

Comment: _____

Netting:

Netting Type: Mesh Netting Condition: Holes

Comment: gaps and sagging

Anchor Trench Present: YES Oil Accumulation: YES 2+ feet Freeboard: _____

Pit (S/A/V): ACTION Comment: Free oil present. West skim pit, 30'x30'.

Corrective Action: Remove free oil from pit with in 24 hours-operator contacted 7/31/2014-2:00 pm.
Restore 2' freeboard.

Date: 08/01/2014

COGCC Comments

Comment	User	Date
<u>Submit Forms 19 and 27 to COGCC EPA, John Axelson.</u>	ShermaSe	08/01/2014

Attached Documents

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

Document Num	Description	URL
673705036	INSPECTION APPROVED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398860
673705042	Ritchie Marick 1A Bat sign	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398814
673705043	Ritchie Marick 1A Bat tanks	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398815
673705044	Ritchie Marick 1A Bat containers out of berm	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398816
673705045	Ritchie Marick 1A Bat stained oil outside treater berm	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398817
673705047	Ritchie Marick 1A Bat treater leak in shed	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398818

673705048	Ritchie Marick 1A Bat treater leak N of berm	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398819
673705049	Ritchie Marick 1A Bat leaking treater	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398820
673705050	Ritchie Marick 1A Bat treater shed/leak	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398821
673705051	Ritchie Marick 1A Bat treater shed/leak2	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398822
673705052	Ritchie Marick 1A Bat valve leak	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398823
673705053	Ritchie Marick 1A Bat berm eroding into crop field	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398824
673705054	Ritchie Marick 1A Bat skim pit oil	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398825
673705055	Ritchie Marick 1A Bat oil on PW pit	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398826
673705056	Ritchie Marick 1A Bat hole in bird protector mesh	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398827
673705057	Ritchie Marick 1A Bat skim pit oil/hole	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398828
673705058	Ritchie Marick 1A Bat oil on PW pit	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398829
673705059	Ritchie Marick 1A Bat PW pit oil	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3398830