

FORM
19
Rev 6/99



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



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

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JUN 06 2014

COGCC

SPILL/RELEASE REPORT

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

Spill report taken by:

FACILITY ID:

OPERATOR INFORMATION

Name of Operator: <u>Whitewing Resources, LLC</u> OGCC Operator No: <u>96675</u>	Phone Numbers
Address: <u>518 17th Street, Suite 250</u>	No: <u>303 623-0809</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	Fax: <u>303 623-1831</u>
Contact Person: <u>Ryan Willett</u>	E-Mail: <u>hwoilgas@aol.com</u>

DESCRIPTION OF SPILL OR RELEASE

Date of Incident: <u>6-3-14</u> Facility Name & No.: <u>Stanley Olsen</u>	County: <u>Weld</u>
Type of Facility (well, tank battery, flow line, pit): <u>Wells, flow lines, separators, tank battery</u>	QtrQtr: <u>SWSE</u> Section: <u>14</u>
Well Name and Number: <u>Stanley Olson #1 and #2 (Samples from W of side by side separators)</u>	Township: <u>2N</u> Range: <u>68W</u>
API Number: <u>05-123-10374 and 05-123-23335</u>	Meridian: <u>6th</u>
Specify volume spilled and recovered (in bbls) for the following materials:	
Oil spilled: _____ Oil recov'd: _____ Water spilled: _____ Water recov'd: _____ Other spilled: _____ Other recov'd: _____	
Ground Water impacted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Surface Water impacted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Contained within berm? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Area and vertical extent of spill: <u>100 ft</u> x <u>150 ft</u>
Current land use: <u>Farmland</u>	Weather conditions: <u>Not relevant because not a recent release</u>
Soil/geology description: _____	
IF LESS THAN A MILE, report distance IN FEET to nearest.... Surface water: _____ wetlands: _____ buildings: <u>960</u>	
Livestock: _____ water wells: _____ Depth to shallowest ground water: _____	
Cause of spill (e.g., equipment failure, human error, etc.): <u>Historical slow leakage</u> Detailed description of the spill/release incident: During due diligence process pursuant to impending sale, environmental consultant took soil and water samples from the area surrounding the wells and detected reportable levels of certain compounds. Samples taken next to side by side separators. Not known if release is from one or both.	

CORRECTIVE ACTION

Describe immediate response (how stopped, contained and recovered):
N/A Release is historical

Describe any emergency pits constructed:
N/A Release is historical

How was the extent of contamination determined:
Boring, sampling of subsurface soil and water.

Further remediation activities proposed (attach separate sheet if needed):
Further consultation and remedial planning in progress with consultant and prospective buyer.

Describe measures taken to prevent problem from reoccurring:
The original flow lines and produced water tanks were replaced many years ago with more modern versions than were originally installed. There is no indication of ongoing release.

OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

Date	Agency	Contact	Phone	Response
6-3-14	Town of Firestone	dmontgomery@ci.firestone.co.us		None

Spill/Release Tracking No: _____

Table
Soil and Water Sample Analytical Summary
BTEX and TPH

Site Name	Sample Number	Sample Depth	Sample Matrix	Sample Date	BTEX (µg/L)				TPH (mg/kg)		Boring Location
					Benzene	Toluene	Ethylbenzene	Total Xylenes	GRO (C6-C10 Range)	DRO (C10-C28 Range)	
Perry 1	PER-SB 1-18	18'	Soil	4/24/2014	-	-	-	-	ND	93.6	SW of tank battery
	PER-SB 3-10	10'	Soil		-	-	-	-	3440	765	SW of separator
	PER-SB 1-GW	N/A	Water		5390	ND	1780	12100	-	-	SW of tank battery
Ottensen 1	OTT-SB 1-20	20'	Soil	4/24/2014	-	-	-	-	ND	ND	NW of separator
	OTT-SB3-5	5'	Soil		-	-	-	-	ND	ND	W of tank battery
Beierle 1 and 2	BEI-SB1-23	23'	Soil	4/24/2014	-	-	-	-	ND	239	SE of separator
	BEI-SB3-23	23'	Soil	4/25/2014	-	-	-	-	ND	ND	E of tank battery
Edith H Whiteside 1	EDI-SB1-25	25'	Soil	4/25/2014	-	-	-	-	ND	ND	NW of tank battery
	EDI-SB3-20	20'	Soil		-	-	-	-	ND	ND	NW of separator
	EDI-SB1-GW	N/A	Water		ND	ND	ND	ND	-	-	NW of tank battery
Stanley Olson 1 and 2	STAN-SB1-10	10'	Soil	4/25/2014	-	-	-	-	ND	74	W of Stanley Olson 1 tank battery
	STAN-SB2-13	13'	Soil		-	-	-	-	908	442	W of separators
	STAN-SB2-GW	N/A	Water		26.5	ND	287	7830	-	-	W of separators
	STAN-SB2-MW-GW	N/A	Water		ND	ND	ND	ND	-	-	N of Stanley Olson tank battery

¹ Colorado Oil and Gas Conservation Commission (COGCC), 900 Series, Exploration and Production Waste Management, Table 910-1, Concentration Levels, February 1, 2014

mg/kg - Milligrams per kilogram
 GRO - Gasoline range organics
Bold - Above COGCC soil concentration level
 DRO - Diesel range organics
 BTEX - Benzene, toluene, ethylbenzene, total xylenes
 ORO - Oil range organics
 TPH - Total petroleum hydrocarbons
 ND - Sample not reported above laboratory reporting limit
 NA - Sample not analyzed for that parameter
 µg/L - Micrograms per liter

Table 2
Groundwater Sample Analytical Summary
Whitewing

Site Name	Sample Number	Depth to Groundwater (At Time of Drilling)	Sample Date	BTEX (µg/L)				Boring Location
				Benzene	Toluene	Ethylbenzene	Total Xylenes	
				Groundwater				
COGCC Groundwater Concentration Levels (mg/L)				5	1,000	700 ¹	10,000 ¹	
Perry 1	PER-SB 1-GW	19 ft.	4/24/2014	5,390	ND	1,780	12,100	SW of tank battery
	PER-SB 5-20 GW	21 ft.	5/6/2014	ND	ND	ND	ND	N of separators
	PER-SB6-22GW	17 ft.	5/6/2014	ND	ND	ND	ND	WSW of separator
Ottensen 1	Borings Dry - No Groundwater Samples Collected							
Beierle 1 and 2	Borings Dry - No Groundwater Samples Collected							
Edith H Whiteside 1	EDI-SB1-GW	22 ft.	4/25/2014	ND	ND	ND	ND	NW of tank battery
Stanley Olson 1&2	STAN-SB2-GW	7 ft.	4/25/2014	26.5	ND	287	7,830	W of separators
	STAN-SB2-MW-GW	Not Measured		ND	ND	ND	ND	Existing monitoring well N of northern tank battery
	STA-SB4-12GW	12 ft.	5/7/2014	3,970	ND	1,700	6,390	SW of SB 3
	STA-SB5-16GW	12 ft.		ND	ND	56	726	SE of northern tank battery
	STA-SB7-12GW	13 ft.		ND	ND	ND	4.7	NW of southern tank battery
STA-SB8-12GW	13 ft.	ND	ND	ND	ND	E of wellheads		

Colorado Oil and Gas Conservation Commission (COGCC), 900 Series, Exploration and Production Waste Management, Table 910-1, Concentration Levels, February 1, 2014

- ¹ - Colorado drinking water maximum contaminant level (MCL) as listed in COGCC Table 910-1
- µg/L - Micrograms per liter
- bold** - Above COGCC Table 910-1 concentration level
- BTEX - Benzene, toluene, ethylbenzene, total xylenes
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Table 1
Soil and Water Sample Analytical Summary
BTEX and TPH

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	PER-SB 3-10	10'	Soil		-	-	-	-	3440	765	SW of separator
	PER-SB 1-GW	N/A	Water		5390	ND	1780	12100	-	-	SW of tank battery
Stanley Olson 1 and 2	STAN-SB1-10	10'	Soil	4/25/2014	-	-	-	-	ND	74	W of Stanley Olson 1 tank battery
	STAN-SB2-13	13'	Soil		-	-	-	-	908	442	W of separators
	STAN-SB2-GW	N/A	Water		26.5	ND	287	7830	-	-	W of separators
	STAN-SB2-MW-GW	N/A	Water		ND	ND	ND	ND	-	-	N of Stanley Olson tank battery

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mg/kg

- Milligrams per kilogram

GRO - Gasoline range organics

Bold

- Above COGCC soil concentration level

DRO - Diesel range organics

BTEX

- Benzene, toluene, ethylbenzene, total xylenes

ORO - Oil range organics

TPH

- Total petroleum hydrocarbons

ND

- Sample not reported above laboratory reporting limit

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µg/L

- Micrograms per liter

**Table 2
Groundwater Sample Analytical Summary
Whitewing**

Site Name	Sample Number	Depth to Groundwater (At Time of Drilling)	Sample Date	BTEX (µg/L)				Boring Location
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	PER-SB 5-20 GW	21 ft.	5/6/2014	ND	ND	ND	ND	N of separators
	PER-SB6-22GW	22 ft.		ND	ND	ND	ND	SE of separator
	PER-SB8-20GW	20 ft.	5/16/2014	ND	ND	ND	ND	W of separators
	PER-SB9-20GW	20 ft.		ND	ND	ND	ND	E of separators
	PER-SB10-20GW	Boring dry at time of drilling - Temporary well set 5/16/2016 - Checked 5/19/210 - Dry					NW of tank battery	
Stanley Olson 1&2	STAN-SB2-GW	7 ft.	4/25/2014	26.5	ND	287	7,830	W of separators
	STAN-SB2-MW-GW	Not Measured		ND	ND	ND	ND	Existing monitoring well N of northern tank battery
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	STA-SB7-12GW	13 ft.		ND	ND	ND	4.7	NW of southern tank battery
	STA-SB8-12GW	13 ft.		ND	ND	ND	ND	E of wellheads
	STA-SB9- 12GW	12 ft.	5/16/2014	1.6	ND	ND	ND	NE of tank battery
STA-SB10-15GW	15 ft.	ND		ND	ND	13.7	North of well heads	

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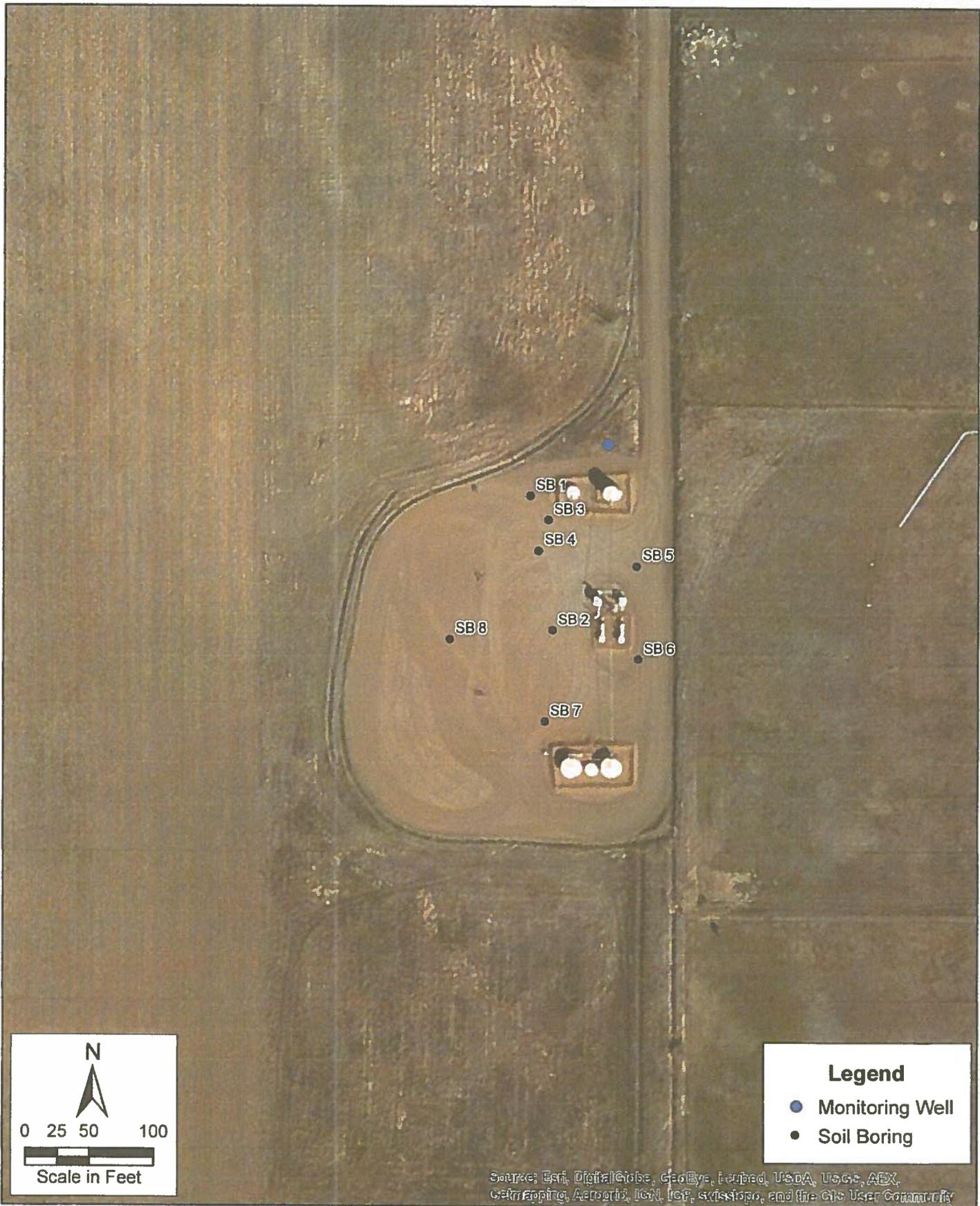
**Table 2
Groundwater Sample Analytical Summary
Whitewing**

Site Name	Sample Number	Depth to Groundwater (At Time of Drilling)	Sample Date	BTEX (µg/L)				Boring Location
				Benzene	Toluene	Ethylbenzene	Total Xylenes	
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	PER-SB9-20GW	20 ft.		ND	ND	ND	ND	E of separators
	PER-SB10-20GW	Boring dry at time of drilling - Temporary well set 5/16/2018 - Checked 5/19/210 - Dry						
Stanley Olson 1&2	STAN-SB2-GW	7 ft.	4/25/2014	26.5	ND	287	7,830	W of separators
	STAN-SB2-MW-GW	Not Measured		ND	ND	ND	ND	Existing monitoring well N of northern tank battery
	STA-SB4-12GW	12 ft.	5/7/2014	3,970	ND	1,700	6,390	SW of SB 3
	STA-SB5-18GW	12 ft.		ND	ND	58	728	SE of northern tank battery
	STA-SB7-12GW	13 ft.		ND	ND	ND	4.7	NW of southern tank battery
	STA-SB8-12GW	13 ft.		ND	ND	ND	ND	E of wellheads
	STA-SB9- 12GW	12 ft.	5/16/2014	1.6	ND	ND	ND	NE of tank battery
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PROJECT: 014-0905

DRAWN BY: JM

DATE: May 12, 2014

Stanley Olson #1 and #2
 Great Western Oil & Gas
 Company
 Weld County, Colorado



FIGURE

5