

TECHNICAL MEMORANDUM

To: Frank Winslow, LHG From: Craig Hultgren, LHG Date: September 1, 2021

Location: Coleman Oil Facility in Wenatchee, Washington

Subject: Progress Report for August 2021 – Agreed Order Number DE15389

A summary of work performed in August 2021 and plans for future groundwater monitoring is provided below.

Well Pumping & Groundwater Treatment:

- A total of 4,992 gallons of water treated with GAC and injected with hydrogen peroxide (H202) was discharged into three sumps across the property (Sump #3, West Trench North, and West Trench Middle).
- Approximately 6 gallons of H202 was applied to the site in August 2021.

Groundwater Recovery Rates:

• Daily groundwater recovery averaged **161** gallons per day. A decreasing trend was observed during the month.

River Conditions/Sheen Observations/Boom Management:

- The water level in the Columbia River rose above the level of all of the seeps on August 22, 2021. The river level was below each seep during the other days of the month.
- There was no observed sheen in the Columbia River during August 2021. The last time a sheen was observed was on May 22, 2020. This sheen coincided with an inoperable pump in BH01R due to biofouling.
- No free product was measured in any well during August 2021. The last time free product was measured at the site was 0.01 foot in MW29 after the pumps had been turned off for the 4th Quarter Groundwater Sampling Event in November 2020.
- There were no changes to the booms during August 2021.
- A River Level and Sheen Assessment form was completed each day. This form documents the depth of
 each pump setting and water levels at each pumping well to assess if the pumps are working properly.
 The form also documents the river elevation from daily river level measurement and seep elevations to
 compare river elevation with seep elevations. These forms are attached.

O&M Activities for August 2021:

- The air lines at several groundwater pumps had minor air leaks. All leaks were repaired and the system continued to operate.
- A compressor fault occurred on August 16th that took the groundwater pumping system offline for approximately 4 hours. The fault was caused by an oil level senor in the compressor. The fault was remedied by field staff and the system is currently operating within normal parameters.



 A small oil leak has been discovered at the air compressor. An oil pan that underlies the compressor is capturing all oil released from the leak. Technicians have been contacted to perform annual maintenance of the compressor and will repair the leak.

Planned Activities for September 2021:

- Order and refill the Peroxide tank, as needed.
- Continue operation of the treated groundwater recirculation system.
- Continue river observation and maintenance of spill containment booms, as needed.
- HydroCon will continue to discharge treated water to selected sumps in the uplands area to promote flushing and stimulate biologic degradation of petroleum contaminants.
- Have the air compressor serviced.

Planned Groundwater Monitoring 2021:

- Beginning in April 2021, groundwater monitoring was transitioned to a semi-annual basis (spring and fall
 in 2021 followed by winter and summer the next year, etc.) at selected monitoring wells (agreed upon
 by Ecology) until all contaminants of concern are reduced below their respective MTCA Method A
 cleanup levels. Once that occurs, the groundwater monitoring schedule will revert back to a quarterly
 basis until the concentration of all contaminants of concern remain below their MTCA Method A
 cleanup level at all wells being monitored for 4 consecutive quarters.
- At Ecology's request, at least one monitoring event during the final quarterly sampling process will
 include sampling of all site monitoring wells to verify that the "clean wells" have remained below the
 cleanup level.
- The next semi-annual groundwater monitoring event is tentatively scheduled for October 2021.



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			t at Pumping \				
MW10R:		MW09R:		BH01R:	34'		
MW24: MW28:	27' 33'	MW17: MW32:	25' 28'	MW29: MW30:	33' 33'		
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	Actual De	epth to Wat	er at Pumping	Wells			
MW10R:	27.64	MW09R:	28.20	BH01R:	33.92		
MW24:	27.16	MW17:	25.60	MW29:	35.13		
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Last time	it was turned off?	' Quarterly G	W Sampling Ev	ent at end of Ma	rch 2020	
			t at Pumping			
MW10R: MW24:	27'	MW09R:	28' 25'	BH01R:	34'	
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	4 West 15th St., Suite	e 300, Vancouve	er, WA			sel Investigation	August 9, 2021
Prepared B	Уу:			_			
İ					Agreed Ord	er Number DE 15389	Page: 1 of 1
Jim Clays	son				Agreeu Oru	el Nullibel DE 13303	10,1
,			DES	SCRIPTION OF	SHEEN		
NO SHE	EN						
Location:		,	-	-			
Magnitud	de:	,	-	-			
Description	on:						
Groundw	vater/Product Extr	raction System	1				
ON or OF	F? System is ON						
Last time	e it was turned off?	Quarterly G'	W Sampling Eve	nt at end of Ma	rch 2020		
<u> </u>			t at Pumping \				
MW10R:		MW09R:		BH01R:	34'		
MW24:	27'	MW17:	25'	MW29:	33'		
MW28:	33'	MW32:	28'	MW30:	33'		
	Actual D	epth to Wat	er at Pumping	Wells			
MW10R:		MW09R:		BH01R:	33.92		
MW24:	28.08	MW17:	25.65	MW29:	34.95		
N 414/20.	32.90	MW32:	28.33	MW30:	35.44		
MW28:							
Note:							
		Elevat	ion of Columb	oia River and S	Seeps		
Note:	uge Elevation: 61	19.36	ion of Columk	oia River and	See	eps	
Note: River Gau	/el: 42" (-3.5')	19.36			See SL0	1: 618.70	
River Gau River Lev Note: A ne	vel: 42" (-3.5') egative number indic	19.36) cates the water			See SLO gauge. SLO	1: 618.70 2: 618.57	
River Gau River Lev Note: A ne	/el: 42" (-3.5')	19.36) cates the water			See SLO gauge. SLO	1: 618.70	



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	360.703.6079 / Fa	360.703.608f	<u>;</u>		Colemar	n Oil Company - R99	Date:
	1 West 15th St., Suite	e 300, Vancouve	er, WA			esel Investigation	August 10, 2021
Prepared B	y:			<u> </u>			
					Agreed Or	rder Number DE 15389	Page: 1 of 1
Jim Clays	son				Agreeu C.	Tuel Number DE 19909	10.7
,			DE	SCRIPTION OF	SHEEN		"
NO SHE	.EN						
Location:	:						
Magnitud	de:					_	
Description	on:						
İ							
Groundw	vater/Product Extr	raction System	1				
ON or OF	F? System is ON	1					
Last time	e it was turned off?	Quarterly G	W Sampling Ev	ent at end of Ma	rch 2020		
			t at Pumping				
MW10R:		MW09R:		BH01R:	34'		
MW24:	27'	MW17:	25'	MW29:	33'		
MW28:	33'	MW32:	28'	MW30:	33'		
	Actual D	enth to Wat	er at Pumpin	g Wells			
MW10R:		MW09R:	•	BH01R:	33.92		
MW24:	28.15	MW17:	25.65	MW29:	34.95		
MW28:	32.90	MW32:	28.32	MW30:	35.45		
NI - I -							
Note:							
Note:							
Note:							
Note:		Elevat	ion of Colum	bia River and	Seeps		
	uge Elevation: 61		ion of Colum	bia River and	-	eeps	
River Gau	uge Elevation: 61 vel: 39" (-3.25	19.36	ion of Colum	bia River and	Se	eeps L01: 618.70	
River Gau River Leve Note: A ne	vel: 39" (-3.25 egative number indi	19.36 5') cates the water			St gauge. St	L01: 618.70 L02: 618.57	
River Gau River Leve Note: A ne	vel: 39" (-3.25	19.36 5') cates the water			St gauge. St	L01: 618.70	



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	360.703.6079 / Fa	ax 360.703.6086	5		Coleman Oil Company - R99	Date:
314	West 15th St., Suit	e 300, Vancouve	er, WA		Biodiesel Investigation	August 11, 2021
Prepared B	Ву:			<u> </u> _		D
					Agreed Order Number DE 15389	Page: 1 of 1
Jim Clays	son				Agreed Graci Hamber 52 13303	
			DE	SCRIPTION OF	SHEEN	
NO SHE	EN					
Location:	:					
Magnitud						
Descripti	ion:					
Groundw	vater/Product Ext	raction System	1			
ON or OF	F? System is ON	V				
Last time	it was turned off	? Quarterly G	W Sampling Ev	ent at end of Ma	rch 2020	
		own Level Se				
MW10R:		MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25' 28'	MW29:	33' 33'	
N/N/2Q+	33,	N/N/22·		1/1/// 3/11.		
MW28:	33'	MW32:	20	MW30:	33	
MW28:					33	
	Actual D	epth to Wat	er at Pumpin	ng Wells		
MW10R:	Actual D	epth to Wat MW09R:	er at Pumpin 28.15	ng Wells BH01R:	33.92	
MW10R: MW24:	Actual D 27.65 28.15	epth to Wate MW09R: MW17:	er at Pumpin 28.15 25.65	ng Wells BH01R: MW29:	33.92 35.18	
MW10R: MW24: MW28:	Actual D	epth to Wat MW09R:	er at Pumpin 28.15	ng Wells BH01R:	33.92	
MW10R:	Actual D 27.65 28.15	epth to Wate MW09R: MW17:	er at Pumpin 28.15 25.65	ng Wells BH01R: MW29:	33.92 35.18	
MW10R: MW24: MW28:	Actual D 27.65 28.15	epth to Wate MW09R: MW17:	er at Pumpin 28.15 25.65	ng Wells BH01R: MW29:	33.92 35.18	
MW10R: MW24: MW28:	Actual D 27.65 28.15	epth to Wate MW09R: MW17: MW32:	28.15 25.65 28.30	BH01R: MW29: MW30:	33.92 35.18 35.41	
MW10R: MW24: MW28: Note:	Actual D 27.65 28.15 32.88	epth to Wate MW09R: MW17: MW32:	28.15 25.65 28.30	ng Wells BH01R: MW29:	33.92 35.18 35.41	
MW10R: MW24: MW28: Note:	Actual D 27.65 28.15 32.88	epth to Wate MW09R: MW17: MW32:	28.15 25.65 28.30	BH01R: MW29: MW30:	33.92 35.18 35.41	
MW10R: MW24: MW28: Note: River Gau	Actual D 27.65 28.15 32.88	epth to Wate MW09R: MW17: MW32:	28.15 25.65 28.30	BH01R: MW29: MW30:	33.92 35.18 35.41 Seeps Seeps SL01: 618.70	
MW10R: MW24: MW28: Note: River Gau River Lev	Actual D 27.65 28.15 32.88 uge Elevation: 62 vel: 36" (-3')	epth to Water MW09R: MW17: MW32: Elevat 19.36	28.15 25.65 28.30	BH01R: MW29: MW30:	33.92 35.18 35.41 Seeps Seeps SL01: 618.70	



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	360.703.6079 / Fa	ax 360.703.6086	5		Coleman Oil Company - R99	Date:
	West 15th St., Suite	e 300, Vancouve	er, WA		Biodiesel Investigation	August 12, 2021
Prepared B	y:			_		D
					Agreed Order Number DE 15389	Page: 1 of 1
Jim Clays	on				Agreed Graci Namber DE 19909	- 0
-			DE	SCRIPTION OF	SHEEN	•
NO SHE	EN					
Location:						
Magnitud	de:					
Description	on:					
Cuerradir	vata v /Dva dviat Fist	rastion Creston				
ON or OF	rater/Product Ext	-	1			
	F? System is ON it was turned off?		M Sampling Ev	ont at and of Ma	rch 2020	
Last time	it was turned on:	Quarterly G	vv Samping Ev	ent at end or ivia	1011 2020	
	Drawdo	wn Level Se	t at Pumping	Wells		
MW10R:		MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
		B 414/22	28'	MW30:	33'	
MW28:	33'	MW32:		10100301		
MW28:	33'	MW32:				
MW28:						
	Actual De	epth to Wat	er at Pumpin	g Wells		
MW28: MW10R: MW24:	Actual De		er at Pumpin		33.92 35.20	
MW10R: MW24:	Actual Do	epth to Wat	er at Pumpin 28.20	g Wells BH01R:	33.92	
MW10R:	Actual Do 27.65 28.13	epth to Wate MW09R: MW17:	er at Pumpin 28.20 25.65	g Wells BH01R: MW29:	33.92 35.20	
MW10R: MW24: MW28:	Actual Do 27.65 28.13	epth to Wate MW09R: MW17:	er at Pumpin 28.20 25.65	g Wells BH01R: MW29:	33.92 35.20	
MW10R: MW24: MW28:	Actual Do 27.65 28.13	epth to Wate MW09R: MW17:	er at Pumpin 28.20 25.65	g Wells BH01R: MW29:	33.92 35.20	
MW10R: MW24: MW28:	Actual Do 27.65 28.13	epth to Wate MW09R: MW17: MW32:	28.20 25.65 28.32	g Wells BH01R: MW29:	33.92 35.20 35.41	
MW10R: MW24: MW28: Note:	Actual Do 27.65 28.13	epth to Wate MW09R: MW17: MW32:	28.20 25.65 28.32	g Wells BH01R: MW29: MW30:	33.92 35.20 35.41	
MW10R: MW24: MW28: Note:	Actual Do 27.65 28.13 32.88	epth to Wate MW09R: MW17: MW32:	28.20 25.65 28.32	g Wells BH01R: MW29: MW30:	33.92 35.20 35.41	
MW10R: MW24: MW28: Note: River Gau	Actual Do 27.65 28.13 32.88	epth to Wate MW09R: MW17: MW32:	28.20 25.65 28.32	g Wells BH01R: MW29: MW30:	33.92 35.20 35.41 Seeps Seeps SL01: 618.70	
MW10R: MW24: MW28: Note: River Gau River Lev	Actual Do 27.65 28.13 32.88 age Elevation: 61 el: 30" (-2.5")	epth to Water MW09R: MW17: MW32: Elevat 9.36 cates the water	28.20 25.65 28.32	g Wells BH01R: MW29: MW30:	33.92 35.20 35.41 Seeps Seeps SL01: 618.70	



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360.703.6079 / Fax 360.703.6086				Colemar	n Oil Company - R99	Date:	
314 West 15th St., Suite 300, Vancouver, WA			Biodie	esel Investigation	August 13, 2021		
Prepared B	y:			<u> </u> -			Page:
					Agreed O	rder Number DE 15389	1 of 1
Jim Clays	on				3		
			DE	SCRIPTION OF	SHEEN		
NO SHE	EN						
Location:	!						
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Description	on:						
Croundin	rata #/Dwa du at Esst	wastion Custom	_				
	rater/Product Ext	-	1				
ON or OF	F? System is OI it was turned off		W Sampling Ev	ant at and of Ma	rch 2020		
Last time	it was turned on	? Quarterly G	w Sampling Ev	ent at end of ivia	rch 2020		
	Drawdo	own Level Se	t at Pumping	Wells			
MW10R:		MW09R:		BH01R:	34'		
MW24:	27'	MW17:	25'	MW29:	33'		
MW28:	33'	MW32:	28'	MW30:	33'		
		.1		II			
N 4) A / 1 O D :			er at Pumpin	<u> </u>	22.02		
MW10R: MW24:	28.14	MW09R: MW17:	25.66	BH01R: MW29:	33.92 35.20		
MW28:	32.88	MW32:	28.33	MW30:	35.44		
Note:	32.00	1010032.	20.33	1010030.	33.44		
itote.							
		Flevat	ion of Colum	bia River and	Seens		
				Dia Miles and	_	eeps	
River Gau	ige Flevation: 6					L01: 618.70	
	uge Elevation: 6	13.30					
River Lev	rel: 36" (-3')		level is ABOVE th	ne top of the River	gauge. SI	LO2: 618.57	
River Lev Note: A ne		icates the water	level is ABOVE tl	ne top of the River		LO2: 618.57 LO3: 619.11	
River Lev Note: A ne	rel: 36" (-3') egative number ind	icates the water	level is ABOVE ti	ne top of the River	SI		



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360.703.6079 / Fax 360.703.6086 314 West 15th St., Suite 300, Vancouver, WA Prepared By:				Coleman Oil Co	mpany - R99	August 14, 2021	
				Biodiesel Inve	estigation		
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					Agreed Order Num	ber DE 15389	1 of 1
Jim Clays	son						
			DE	SCRIPTION OF	SHEEN		
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Location:	:						
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Groundw	vater/Product Ex	traction System	1				
ON or OF	F? System is O	N					
Last time	it was turned off	? Quarterly G	W Sampling Ev	ent at end of Ma	rch 2020		
		own Level Se	t at Pumping	Wells			
MW10R:		MW09R:	28'	BH01R:	34'		
MW24:	27'	MW17:	25'	MW29:	33'		
MW28:	33'	MW32:	28'	MW30:	33'		
	Actual D	lanth to Mat	or at Dumnin	a Molla			
MW10R:		Depth to Wate MW09R:		BH01R:	33.92		
MW24:	28.15	MW17:	25.66	MW29:	35.22		
MW28:	32.88	MW32:	28.33	MW30:	35.45		
	32.00		20.33		33.13		
Note:							
Note:							
Note:			ion of Colum	bia River and S	Seens		
Note:		FIEWAT	ion or colum	bia ilivei alia .	Seeps		
	ura Flavetian. C				3eens		
River Gai	uge Elevation: 6	519.36				70	
River Gai River Lev	rel: 33" (-2.7	519.36 5')	loyal is APOVE t	no ton of the Piver	SL01: 618		
River Gau River Lev Note: A ne	rel: 33" (-2.7 egative number inc	519.36 5') dicates the water	level is ABOVE t	ne top of the River	SL01: 618 gauge. SL02: 618	.57	
River Gau River Lev Note: A ne	rel: 33" (-2.7	519.36 5') dicates the water	level is ABOVE tl	ne top of the River	SL01: 618	.57 .11	



						
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314 West 15th St., Suite 300, Vancouver, WA			Biodiesel Investigation	August 15, 2021		
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					Agreed Order Number DE 15389	Page: 1 of 1
Jim Clays	son				7.5	
			DE:	SCRIPTION OF	SHEEN	
NO SHE	EN					
Location:						
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Description	on:					
Groundw	vater/Product Ext	raction System	<u>. </u>			
ON or OF		-				
	it was turned off		W Sampling Eve	ent at end of Ma	rch 2020	
	Drawdo	wn Level Se	t at Pumping	Wells		
MW10R:	27'	MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW28:	33'	MW32:	28'	MW30:	33'	
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IVIVVZO.		epth to Wat	er at Pumping	र Wells		
MW10R:	Actual D	epth to Wate	er at Pumping	g Wells BH01R:	33.92	
MW10R:	Actual D	_			33.92 35.20	
MW10R: MW24: MW28:	Actual D	MW09R:	28.20	BH01R:		
	Actual D 27.65 28.17	MW09R: MW17:	28.20 25.65	BH01R: MW29:	35.20	
MW10R: MW24: MW28:	Actual D 27.65 28.17	MW09R: MW17:	28.20 25.65	BH01R: MW29:	35.20	
MW10R: MW24: MW28:	Actual D 27.65 28.17	MW09R: MW17: MW32:	28.20 25.65 28.33	BH01R: MW29: MW30:	35.20 35.46	
MW10R: MW24: MW28:	Actual D 27.65 28.17	MW09R: MW17: MW32:	28.20 25.65 28.33	BH01R: MW29:	35.20 35.46	
MW10R: MW24: MW28: Note:	Actual D 27.65 28.17 32.88	MW09R: MW17: MW32:	28.20 25.65 28.33	BH01R: MW29: MW30:	35.20 35.46 Seeps	
MW10R: MW24: MW28: Note: River Gau	Actual D 27.65 28.17 32.88 uge Elevation: 62 rel: 36" (-3')	MW09R: MW17: MW32: Elevat	28.20 25.65 28.33 ion of Columl	BH01R: MW29: MW30:	35.20 35.46 Seeps Seeps SL01: 618.70	
MW10R: MW24: MW28: Note: River Gau	Actual Domain 27.65 28.17 32.88 uge Elevation: 62 vel: 36" (-3') egative number indi	MW09R: MW17: MW32: Elevat 19.36	28.20 25.65 28.33 ion of Columl	BH01R: MW29: MW30:	35.20 35.46 Seeps Seeps SL01: 618.70 gauge. SL02: 618.57	
MW10R: MW24: MW28: Note: River Gau	Actual D 27.65 28.17 32.88 uge Elevation: 62 rel: 36" (-3')	MW09R: MW17: MW32: Elevat 19.36	28.20 25.65 28.33 ion of Columl	BH01R: MW29: MW30:	35.20 35.46 Seeps Seeps SL01: 618.70	



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314 West 15th St., Suite 300, Vancouver, WA			Biodiese	August 16, 2021			
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····· Gia.yo			DESC	RIPTION OF	SHEEN		u .
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Location:							
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Groundw	ater/Product Extr	action System	1				
ON or OF	F? System is ON						
Last time	it was turned off?	Quarterly G	W Sampling Even	t at end of Ma	rch 2020		
		<u> </u>					
			-				
	Drawdo	wn Level Se	t at Pumping W	/ells			
MW10R:	27'	MW09R:	28'	BH01R:	34'		
MW24:	27'	MW17:	25'	MW29:	33'		
MW28:	33'	MW32:	28'	MW30:	33'		
				Malls			
	Actual De	enth to Wat	ar ar Pilmnino i				
		epth to Wat			26.40		
MW10R: MW24:	25.99	MW09R:	26.18	BH01R:	26.40 35.00		
MW10R:		-			26.40 35.00 35.16		
MW10R: MW24: MW28:	25.99 27.44	MW09R: MW17:	26.18 25.25	BH01R: MW29:	35.00		
MW10R: MW24: MW28:	25.99 27.44	MW09R: MW17:	26.18 25.25	BH01R: MW29:	35.00		
MW10R: MW24:	25.99 27.44	MW09R: MW17:	26.18 25.25	BH01R: MW29:	35.00		
MW10R: MW24: MW28:	25.99 27.44	MW09R: MW17: MW32:	26.18 25.25 27.14	BH01R: MW29: MW30:	35.00 35.16		
MW10R: MW24: MW28: Note:	25.99 27.44 28.92	MW09R: MW17: MW32:	26.18 25.25	BH01R: MW29: MW30:	35.00 35.16 Seeps	os	
MW10R: MW24: MW28: Note:	25.99 27.44 28.92 uge Elevation: 61	MW09R: MW17: MW32: Elevat	26.18 25.25 27.14	BH01R: MW29: MW30:	35.00 35.16 Seeps		
MW10R: MW24: MW28: Note: River Gau	25.99 27.44 28.92 uge Elevation: 61	MW09R: MW17: MW32: Elevat	26.18 25.25 27.14 ion of Columbia	BH01R: MW29: MW30:	35.00 35.16 Seeps See SL01	ps : 618.70 : 618.57	
MW10R: MW24: MW28: Note: River Gau	25.99 27.44 28.92 uge Elevation: 61 rel: 30" (-2.5')	MW09R: MW17: MW32: Elevat	26.18 25.25 27.14 ion of Columbia	BH01R: MW29: MW30:	35.00 35.16 Seeps See SL01 gauge. SL02	: 618.70	



Coleman Oil Company - R99 Biodiesel Investigation Agreed Order Number DE 15389 1 of 1					Date:
Agreed Order Number DE 15389 1 of 1					
In Clayson DESCRIPTION OF SHEEN				Biodiesel Investigation	
DESCRIPTION OF SHEEN	Frepared by.				Page:
DESCRIPTION OF SHEEN			А	greed Order Number DE 15389	_
No SHEEN Location: Magnitude: Description:	Jim Clayson				
Magnitude: Description:		Γ	DESCRIPTION OF S	HEEN	
Magnitude: Description: Groundwater/Product Extraction System ON or OFF? System is ON Last time it was turned off? Quarterly GW Sampling Event at end of March 2020 Drawdown Level Set at Pumping Wells MW10R: 27' MW09R: 28' BH01R: 34' MW24: 27' MW17: 25' MW29: 33' MW28: 33' MW32: 28' MW30: 33' Actual Depth to Water at Pumping Wells MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW28: 32.88 MW31: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3') SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 Sl03: 619.11	NO SHEEN				
Coundwater/Product Extraction System	Location:				
Groundwater/Product Extraction System ON or OFF? System is ON Last time it was turned off? Quarterly GW Sampling Event at end of March 2020 Drawdown Level Set at Pumping Wells	Magnitude:				
Drawdown Level Set at Pumping Wells	Description:				
Drawdown Level Set at Pumping Wells					
ON or OFF? System is ON Last time it was turned off? Quarterly GW Sampling Event at end of March 2020 Drawdown Level Set at Pumping Wells					
Drawdown Level Set at Pumping Wells MW10R: 27' MW09R: 28' BH01R: 34' MW29: 33' MW32: 28' MW30: 33' MW32: 28' MW30: 33' MW30: 33.92 MW40: 27.93 MW47: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 MW28: 32.88 MW32: 28.33 MW30: 35.19 MW40: 36.88 MW30: 36.99 Groundwater/Product Extr	action System				
Drawdown Level Set at Pumping Wells	ON or OFF? System is ON				
MW10R: 27' MW09R: 28' BH01R: 34' MW24: 27' MW17: 25' MW29: 33' Actual Depth to Water at Pumping Wells MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation: 619.36 Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3") SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL02: 618.57	Last time it was turned off?	Quarterly GW Sampling	Event at end of Marc	h 2020	
MW10R: 27' MW09R: 28' BH01R: 34' MW24: 27' MW17: 25' MW29: 33' Actual Depth to Water at Pumping Wells MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3") SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL03: 619.11					
MW10R: 27' MW09R: 28' BH01R: 34' MW24: 27' MW17: 25' MW29: 33' Actual Depth to Water at Pumping Wells MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3") SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL03: 619.11					
MW24: 27' MW17: 25' MW29: 33' MW28: 33' MW32: 28' MW30: 33' **Actual Depth to Water at Pumping Wells** MW108: 27.64 MW098: 28.18 BH018: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 **Note:** **Elevation of Columbia River and Seeps** River Gauge Elevation: 619.36 Seeps** River Level: 36" (-3') SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL03: 619.11			ng Wells		
MW28: 33' MW32: 28' MW30: 33' Actual Depth to Water at Pumping Wells MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3') SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL02: 619.11					
Actual Depth to Water at Pumping Wells MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps					
MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3") SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL03: 619.11	MW28: 33'	MW32: 28'	MW30: 3	33'	
MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3') SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 SL02: 618.57 SL03: 619.11					
MW10R: 27.64 MW09R: 28.18 BH01R: 33.92 MW24: 27.93 MW17: 25.60 MW29: 34.92 MW28: 32.88 MW32: 28.33 MW30: 35.19 Note: Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3") SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL03: 619.11	Actual De	nth to Water at Pump	ing Wells		
MW24: 27.93		•		33.92	
River Gauge Elevation: 619.36 River Level: 36" (-3') Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 Elevation of Columbia River and Seeps Seeps SL01: 618.70 SL02: 618.57 SL03: 619.11					
Elevation of Columbia River and Seeps River Gauge Elevation: 619.36 Seeps River Level: 36" (-3') SL01: 618.70 Note: A negative number indicates the water level is ABOVE the top of the River gauge. SL02: 618.57 Columbia River Elevation: 616.36 SL03: 619.11	MW28: 32.88	MW32: 28.33	MW30:	35.19	
River Gauge Elevation: 619.36 River Level: 36" (-3') Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 Seeps SL01: 618.70 SL02: 618.57 SL03: 619.11	Note:				
River Gauge Elevation: 619.36 River Level: 36" (-3') Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 Seeps SL01: 618.70 SL02: 618.57 SL03: 619.11	NOLE.				
River Gauge Elevation: 619.36 River Level: 36" (-3") Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 Seeps SL01: 618.70 SL02: 618.57 SL03: 619.11	Note.				
River Gauge Elevation: 619.36 River Level: 36" (-3") Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 Seeps SL01: 618.70 SL02: 618.57 SL03: 619.11	Note.				
River Level: 36" (-3') Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 SL01: 618.70 SL02: 618.57 SL03: 619.11	Note.	Elevation of Colu	mbia River and Se	eps	
Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 616.36 SL03: 619.11			mbia River and Se		
Columbia River Elevation: 616.36 SL03: 619.11	River Gauge Elevation: 61		mbia River and Se	Seeps	
SL04: 618.84	River Gauge Elevation: 61: River Level: 36" (-3')	9.36		Seeps SL01: 618.70	
	River Gauge Elevation: 619 River Level: 36" (-3') Note: A negative number indic	9.36 ates the water level is ABOVE		Seeps SL01: 618.70 uge. SL02: 618.57	



						<u> </u>
	360.703.6079 / Fa	3x 360.703.6086	<u> </u>		Coleman Oil Company - R99	Date:
314 West 15th St., Suite 300, Vancouver, WA			Biodiesel Investigation	August 18, 2021		
Prepared B	Ву:					Page:
					Agreed Order Number DE 15389	1 of 1
Jim Clays	son				7.5	
			DES	CRIPTION OF	SHEEN	
NO SHE	EN					
Location	•					
Magnitud	de:					
Descripti	ion:					
Groundw	vater/Product Ext	raction System	1			
ON or OF	F? System is ON	1				
Last time	e it was turned off?	? Quarterly G	W Sampling Ever	nt at end of Ma	rch 2020	
			t at Pumping \			
MW10R:		MW09R:		BH01R:	34'	
MW24: MW28:	27' 33'	MW17: MW32:	25' 28'	MW29: MW30:	33' 33'	
IVIVV ZO.	55	IVIVV5Z.		1010050.	<u> </u>	
		-	er at Pumping			
MW10R:	27.65	MW09R:	28.20	BH01R:	33.92	
MW24:	27.65 27.95	MW09R: MW17:	28.20 25.64	BH01R: MW29:	34.92	
MW24: MW28:	27.65	MW09R:	28.20	BH01R:		
MW24:	27.65 27.95	MW09R: MW17:	28.20 25.64	BH01R: MW29:	34.92	
MW24: MW28:	27.65 27.95	MW09R: MW17:	28.20 25.64	BH01R: MW29:	34.92	
MW24: MW28:	27.65 27.95	MW09R: MW17: MW32:	28.20 25.64	BH01R: MW29: MW30:	34.92 35.22	
MW24: MW28: Note:	27.65 27.95	MW09R: MW17: MW32:	28.20 25.64 28.33	BH01R: MW29: MW30:	34.92 35.22	
MW24: MW28: Note: River Gau	27.65 27.95 32.88	MW09R: MW17: MW32: Elevat	28.20 25.64 28.33	BH01R: MW29: MW30:	34.92 35.22 Seeps	
MW24: MW28: Note: River Gau River Lev Note: A ne	27.65 27.95 32.88 uge Elevation: 61 vel: 30" (-2.5') egative number indi	MW09R: MW17: MW32: Elevat 19.36) icates the water	28.20 25.64 28.33 ion of Columb	BH01R: MW29: MW30:	34.92 35.22 Seeps Seeps SL01: 618.70 gauge. SL02: 618.57	
MW24: MW28: Note: River Gau River Lev Note: A ne	27.65 27.95 32.88 uge Elevation: 61 vel: 30" (-2.5")	MW09R: MW17: MW32: Elevat 19.36) icates the water	28.20 25.64 28.33 ion of Columb	BH01R: MW29: MW30:	34.92 35.22 Seeps Seeps SL01: 618.70	

Hydro	Con	River	Level and Sheen A	ssessment
360.703.607	9 / Fax 360.703.6086		Coleman Oil Company - R99	Date:
314 West 15th St.,	, Suite 300, Vancouver, WA		Biodiesel Investigation	August 19, 2021
Prepared By:			Diodiese: investigation	
			Agreed Order Number DE 15389	Page: 1 of 1
Jim Clayson				
	DE	SCRIPTION OF	SHEEN	
NO SHEEN				
Location:				
Magnitude:				
Description:				
Groundwater/Product	Extraction System			
ON or OFF? System is	s ON			
Last time it was turned	off? Quarterly GW Sampling Eve	ent at end of Mar	rch 2020	
	wdown Level Set at Pumping			
MW10R: 27'	MW09R: 28'	BH01R:	34'	
MW24: 27'	MW17: 25'	MW29:	33'	
MW28: 33'	MW32: 28'	MW30:	33'	
Actua	al Depth to Water at Pumpin	g Wells		
MW10R: 27.66	MW09R: 28.20	BH01R:	33.92	

MW28: Note:

MW24:

27.99

32.88

MW17:

MW32:

25.66

28.33

Seeps		
SL01: 618.70		
SL02: 618.57		
SL03: 619.11		
SL04: 618.84		

MW29:

MW30:

34.94

35.25

Hydro	Con	River l	evel and Sheen A	ssessment
	/ Fax 360.703.6086		Coleman Oil Company - R99	Date: August 20, 2021
	Suite 300, Vancouver, WA		Biodiesel Investigation	August 20, 2021
Prepared By:				Page:
			Agreed Order Number DE 15389	1 of 1
Jim Clayson				
		DESCRIPTION OF S	SHEEN	
NO SHEEN				
Location:				
Magnitude:				
Description:	_			
Groundwater/Product	Extraction System			
ON or OFF? System is	ON			
ON or OFF? System is		ng Event at end of Marc	h 2020	
	off? Quarterly Gw Sampil			
	om? Quarterly GW Sampli			
	off? Quarterly Gw Sampli			
Last time it was turned	vdown Level Set at Pun	nping Wells		
Last time it was turned Drav		nping Wells BH01R:	34'	
Last time it was turned Drav	vdown Level Set at Pun		34' 33'	

Actual Depth to Water at Pumping Wells

MW10R:	27.65	MW09R:	28.20	BH01R:	33.92
MW24:	28.20	MW17:	25.66	MW29:	34.94
MW28:	32.90	MW32:	28.33	MW30:	35.44

Note:

	Elev	vation of Columbia River and Seeps	
River Gauge Elevation: 61	9.36		Seeps
River Level : 39" (-3.25)	')		SL01: 618.70
Note: A negative number indic	ates the wat	er level is ABOVE the top of the River gauge.	SL02: 618.57
Columbia River Elevation:	616.11		SL03: 619.11
			SL04: 618.84

Hydro	Con	River	Level and S	heen Assessment
314 West 15th	6079 / Fax 360.703.6086 St., Suite 300, Vancouver,	/A	Coleman Oil Comp Biodiesel Invest	August 21, 2021
Prepared By: Jim Clayson			Agreed Order Numbe	Page: 1 of 1
Jilli Clayson		DESCRIPTION C	F SHEEN	
NO SHEEN				
Location:				
Magnitude:				
Description:				
Groundwater/Prod	uct Extraction System			
ON or OFF? Syste	m is ON			
Last time it was tur	ned off? Quarterly GW	mpling Event at end of Ma	arch 2020	
_				
	Prawdown Level Set a	Pumping Wells		
MW10R: 27'	MW09R: 2	' BH01R:	34'	
MW24: 27'	MW17: 2			
		' MW30:	33'	

Actual Depth to \	Water at Pumping W	ells
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MW10R:	27.65	MW09R:	28.20	BH01R:	33.92
MW24:	27.20	MW17:	25.50	MW29:	34.90
MW28:	32.88	MW32:	28.33	MW30:	35.08

Seeps
SL01: 618.70
SL02: 618.57
SL03: 619.11
SL04: 618.84

	360.703.6079 /	Fax 360.703.6086	6		Colomor Oil Common BOO	Date:
314	4 West 15th St., Su				Coleman Oil Company - R99	August 22, 2021
Prepared B		ite 300, variedave	21, 111		Biodiesel Investigation	
						Page:
line Claur					Agreed Order Number DE 15389	1 of 1
Jim Clays	son		DI	SCRIPTION OF	CHEEN	
NO SHE	EN		Di	SCRIPTION OF	SHEEN	
Location						
Magnitu						
Descripti						
Groundw	vater/Product Ex	traction System				
	vater/Product Ex	-				
ON or OF	F? System is O	N		ent at end of Mar	rch 2020	
ON or OF	F? System is O	N		ent at end of Mar	rch 2020	
ON or OF	F? System is O	N		ent at end of Mar	rch 2020	
ON or OF	F? System is O	N	N Sampling Eve		rch 2020	
ON or OF Last time	F? System is O it was turned off Drawd	N ? Quarterly G\	W Sampling Event		rch 2020 34'	
ON or OF Last time MW10R: MW24:	EF? System is O it was turned off Drawd 27' 27'	Quarterly GV own Level Se MW09R: MW17:	W Sampling Events t at Pumping 28' 25'	; Wells BH01R: MW29:	34' 33'	
ON or OF Last time MW10R: MW24:	F? System is O it was turned off Drawd 27'	Quarterly GV own Level Se MW09R:	W Sampling Events t at Pumping 28'	; Wells BH01R:	34'	
ON or OF Last time MW10R: MW24:	EF? System is O it was turned off Drawd 27' 27'	Quarterly GV own Level Se MW09R: MW17:	W Sampling Events t at Pumping 28' 25'	S Wells BH01R: MW29:	34' 33'	
ON or OF Last time MW10R: MW24:	Drawd 27' 27' 33'	Own Level Se MW09R: MW17: MW32:	t at Pumping 28' 25' 28'	BH01R: MW29: MW30:	34' 33'	
ON or OF Last time WW10R: WW24: WW28:	Drawd 27' 27' 33' Actual I	Own Level Se MW09R: MW17: MW32:	t at Pumping 28' 25' 28'	BH01R: MW29: MW30:	34' 33' 33'	
ON or OF ast time MW10R: MW24: MW28:	Drawd 27' 27' 33' Actual I	Own Level Se MW09R: MW32: Depth to Wate	t at Pumping 28' 25' 28' er at Pumpin	BH01R: MW29: MW30: g Wells BH01R:	34' 33' 33' 33.92	
ON or OF	Drawd 27' 27' 33' Actual I	Own Level Se MW09R: MW17: MW32:	t at Pumping 28' 25' 28'	BH01R: MW29: MW30:	34' 33' 33'	

River Gauge Elevation: 619.36 River Level: -1" (0.0833') Note: A negative number indicates the water level is ABOVE the top of the River gauge. Columbia River Elevation: 619.44 SL03: 619.11 SL04: 618.84

Ну	dro	Con		River	Level and Sheen A	ssessment
314 Prepared B	West 15th St., S	/ Fax 360.703.6086 Suite 300, Vancouve			Coleman Oil Company - R99 Biodiesel Investigation	Date: August 23, 2021
Jim Clays	on				Agreed Order Number DE 15389	Page: 1 of 1
•			[DESCRIPTION OF	SHEEN	"
NO SHE	EN					
Location:						
Magnitud	de:					
 Groundw	rater/Product F	Extraction System				
ON or OF		<u>-</u>				
			V Sampling E	vent at end of Mar	ch 2020	
		<u> </u>				
	Draw	down Level Se	t at Pumpir	ng Wells		
MW10R:		MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW28:	33'	MW32:	28'	MW30:	33'	
	Actua	l Depth to Wate	er at Pumpi	ing Wells		
MW10R:		MW09R:		BH01R:	33.92	
MW24:	27.48	MW17:	25.65	MW29:	34.92	

MW28:

32.88

MW32:

28.33

Seeps
SL01: 618.70
SL02: 618.57
SL03: 619.11
SL04: 618.84

MW30:

35.22

Ну	dro (Co	on		River	Level and Sheen A	ssessment
	360.703.6079 / Fa	x 360.703.6086	5		Coleman Oil Company - R99	Date:
314	West 15th St., Suite	e 300, Vancouve	er, WA		Biodiesel Investigation	August 24, 2021
Prepared B	sy:				<u> </u>	
					Agreed Order Number DE 15389	Page: 1 of 1
Jim Clays	on					
			DE	SCRIPTION OF	SHEEN	
NO SHE	EN					
Location	1					
Magnitud	de:					
Descripti	on:					
Groundw	/ater/Product Extr	action System				
ON or OF	F? System is ON					
Last time	it was turned off?	Quarterly GV	V Sampling Eve	ent at end of Mar	ch 2020	
	Drawdo	wn Level Se	t at Pumping	Wells		
MW10R:		MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW28:	33'	MW32:	28'	MW30:	33'	
	Actual D	epth to Wate	er at Pumpin	g Wells		

ľ	VIW10R:	27.65	MW09R:	28.20	BH01R:	33.92
١	MW24:	27.98	MW17:	25.65	MW29:	34.92
ľ	MW28:	32.88	MW32:	28.33	MW30:	35.35

Elevation of Columbia River and Seeps

River Gauge Elevation: 619.36	Seeps
River Level: 22" (-1.8333')	SL01: 618.70
Note: A negative number indicates the water level is ABOVE the top of the River gauge.	SL02: 618.57
Columbia River Elevation: 617.52	SL03: 619.11
	SL04: 618.84

Ну	dro 🖟 C	on		River	Level and Sheen A	Assessment
	360.703.6079 / Fa	ax 360.703.6086	5		Coloman Oil Company ROO	Date:
	West 15th St., Suit				Coleman Oil Company - R99 Biodiesel Investigation	August 25, 2021
Prepared B	y:			<u> </u>		Dago:
					Agreed Order Number DE 15389	Page: 1 of 1
Jim Clays	on					
				DESCRIPTION OF	SHEEN	
NO SHE	EN					
Location:	}					
Magnitud	de:					
Description	on.					
Groundw	ater/Product Ext	raction System				
ON or OF	F? System is ON	J				
Last time	it was turned off?	Quarterly GV	V Sampling E	vent at end of Mar	ch 2020	
	Drawdo	own Level Se	t at Pumnir	ng Wells		
MW10R:		MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW28:	33'	MW32:	28'	MW30:	33'	
		epth to Wate				
MW10R:		MW09R:		BH01R:	33.92	
MW24:	27.78	MW17:	25.65	MW29:	34.90	

MW28: **Note:**

32.88

MW32:

28.32

Coons
Seeps
SL01: 618.70
SL02: 618.57
SL03: 619.11
SL04: 618.84

MW30:

35.20



Divor Lovel and Chaon Assessment

	360 703 6079 / 1	Fax 360.703.6086	5				Date:
21.						an Oil Company - R99	August 26, 2021
Prepared E	4 West 15th St., Sui By:	ite 500, valicouve	I, WA		Biod	liesel Investigation	
·	,						Page:
i' Class					Agreed (Order Number DE 15389	1 of 1
Jim Clays	son		וח	SCRIPTION OF	SHEEN		
NO SHE	FN			-5CM 11014 01	JIILLIN		
Location							
Magnitu							
Descript							
Groundy	water/Product Ex	traction System					
ON or Of	FF? System is O	N					
Last time	e it was turned off	? Quarterly G\	V Sampling Ev	ent at end of Ma	rch 2020		
		lown Level Se					
MW10R:		MW09R:	28' 25'	BH01R:	34'		
N 41 A / 2 4 .		MW17:	28'	MW29: MW30:	33' 33'		
	27'	N/N/22·	20		33		
	33'	MW32:					
		MW32:					
	33'	MW32: Depth to Wat					
MW28:	33' Actual [Depth to Wat MW09R:	er at Pumpin 28.20	g Wells BH01R:	33.92		
MW28: MW10R: MW24:	Actual I : 27.65 27.20	Depth to Wat MW09R: MW17:	er at Pumpin 28.20 25.65	g Wells BH01R: MW29:	34.90		
MW28: MW10R: MW24: MW28:	33' Actual [Depth to Wat MW09R:	er at Pumpin 28.20	g Wells BH01R:			
MW28: MW10R: MW24: MW28:	Actual I : 27.65 27.20	Depth to Wat MW09R: MW17:	er at Pumpin 28.20 25.65	g Wells BH01R: MW29:	34.90		
MW28: MW10R: MW24: MW28:	Actual I : 27.65 27.20	Depth to Wat MW09R: MW17:	er at Pumpin 28.20 25.65	g Wells BH01R: MW29:	34.90		
MW28: MW10R: MW24: MW28:	Actual I : 27.65 27.20	Depth to Wat MW09R: MW17: MW32:	er at Pumpin 28.20 25.65 28.32	BH01R: MW29: MW30:	34.90 35.20		
MW10R: MW10R: MW24: MW28: Note:	Actual I : 27.65 27.20 32.88	Depth to Wat MW09R: MW17: MW32:	er at Pumpin 28.20 25.65 28.32	g Wells BH01R: MW29:	34.90 35.20 Seeps	Seens	
MW10R: MW24: MW28: Note:	33' Actual [: 27.65 27.20 32.88	Depth to Wat MW09R: MW17: MW32:	er at Pumpin 28.20 25.65 28.32	BH01R: MW29: MW30:	34.90 35.20 Seeps	Seeps SL01: 618.70	
River Lev	33' Actual I : 27.65 27.20 32.88	Depth to Wat MW09R: MW17: MW32: Elevat	28.20 25.65 28.32	BH01R: MW29: MW30:	34.90 35.20 Seeps	Seeps SL01: 618.70 SL02: 618.57	
MW10R: MW24: MW28: Note: River Ga River Lev	Actual I : 27.65 27.20 32.88	Depth to Wat MW09R: MW17: MW32: Elevat 519.36	28.20 25.65 28.32	BH01R: MW29: MW30:	34.90 35.20 Seeps	SL01: 618.70	

<u> </u>					
Hydro Con		River	Level and Sheen A	Assessment	
360.703.6079 / Fax 360.70	03.6086		Coleman Oil Company - R99	Date:	
314 West 15th St., Suite 300, Vancouver, WA			Biodiesel Investigation	August 27, 2021	
Prepared By:			Diodiesei investigation		
			Agreed Order Number DE 15389	Page: 1 of 1	
lim Clayson					
	DE	SCRIPTION OF	SHEEN		
NO SHEEN					
ocation:					
Magnitude:					
Description:					
Groundwater/Product Extraction S	System				
ON or OFF? System is ON					
ast time it was turned off? Quart	erly GW Sampling Eve	ent at end of Mar	ch 2020		
Drawdown Lev	vel Set at Pumping	Wells			
MW10R: 27' MV	W09R: 28'	BH01R:	34'		
MW24: 27' MV	W17: 25'	MW29:	33'		
MW28: 33' M\	N32: 28'	MW30:	33'		

Actual Depth to Water at Pumping Wells

MW10R:	27.66	MW09R:	28.20	BH01R:	33.92
MW24:	27.16	MW17:	25.66	MW29:	34.90
MW28:	32.88	MW32:	28.32	MW30:	35.21

Note:

	Elev	vation of Columbia River and Seeps	
River Gauge Elevation: 619	9.36		Seeps
River Level : 25" (-2.083	33')		SL01: 618.70
Note: A negative number indicate	ates the wat	er level is ABOVE the top of the River gauge.	SL02: 618.57
Columbia River Elevation:	617.27		SL03: 619.11
			SL04: 618.84

Ну	dro 🐠	Con		River	Level and Sheen A	Assessment
314 Prepared B	West 15th St., S	/ Fax 360.703.6086 Guite 300, Vancouve			Coleman Oil Company - R99 Biodiesel Investigation	Date: August 28, 2021
Jim Clays					Agreed Order Number DE 15389	Page: 1 of 1
				DESCRIPTION OF	SHEEN	
NO SHE	EN					
Location:						
Magnitud	de:					
Description		extraction System				
		-				
ON or OF			V Sampling E	vent at end of Mar	ch 2020	
Last time	it was turned t	Quarterly GV	v Sampling L	vent at end or ivial	CH 2020	
	Draw	down Level Se	t at Pumpin	ng Wells		
MW10R:		MW09R:	28'	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW28:	33'	MW32:	28'	MW30:	33'	
	Actua	Depth to Wate	er at Pumpi	ing Wells		
MW10R:	27.66	MW09R:	28.20	BH01R:	33.92	
MW24:	27.20	MW17:	25.65	MW29:	34.92	

MW28:

32.90

MW32:

28.33

Seeps
SL01: 618.70
SL02: 618.57
SL03: 619.11
SL04: 618.84

MW30:

35.22

Hydro	Con		River	Level and Sheen A	ssessmen
360.703.6079 / Fax 360.703.6086 314 West 15th St., Suite 300, Vancouver, WA Prepared By:			Coleman Oil Company - R99	Date:	
		Biodiesel Investigation		August 29, 2021	
				Dagas	
				Agreed Order Number DE 15389	Page: 1 of 1
Jim Clayson					
		DESCR	RIPTION OF	SHEEN	
NO SHEEN					
Location:					
Magnitude:					
Description:					
Groundwater/Product	Extraction System				
ON or OFF? System is	ON				
Last time it was turned	off? Quarterly GV	V Sampling Event a	t end of Mar	rch 2020	
	vdown Level Set	t at Pumping We			
		28'	BH01R:	34'	
MW10R: 27'	MW09R:				
	MW09R: MW17: MW32:	25' 28'	MW29: MW30:	33' 33'	

MW10R:	27.66	MW09R:	28.21	BH01R:	33.92
MW24:	27.27	MW17:	25.68	MW29:	34.92
MW28:	32.90	MW32:	28.33	MW30:	35.28

	Elevation of Columbia River and Seeps	
River Gauge Elevation: 619.3	6	Seeps
River Level: 39" (-3.25')		SL01: 618.70
Note: A negative number indicates	s the water level is ABOVE the top of the River gauge.	SL02: 618.57
Columbia River Elevation: 61	<mark>l6.11 </mark>	SL03: 619.11
		SL04: 618.84

Ну	dro	Con		River	Level and Sheen	Assessment
	360.703.6079	/ Fax 360.703.6086	<u> </u>		Colomon Oil Commons, B00	Date:
314		uite 300, Vancouve			Coleman Oil Company - R99 Biodiesel Investigation	August 30, 2021
Prepared B			,		biodiesei ilivestigation	
line Clause					Agreed Order Number DE 15389	Page: 1 of 1
Jim Clays	on		DE	COUDTION OF	CHEEN	
NO CUE			DE	SCRIPTION OF	SHEEN	
NO SHE						
Location:						
Magnitud Description						
Groundw	rater/Product E	xtraction System				
ON or OF	F? System is	ON				
Last time	it was turned o	ff? Quarterly G\	V Sampling Eve	nt at end of Mar	ch 2020	
	Draw	down Level Se	t at Pumping	Wells		
MW10R:	27'	MW09R:	28'	BH01R:	34'	
MW10R: MW24:	27' 27'	MW17:	28' 25'	BH01R: MW29:	34' 33'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW24:	27' 33'	MW17: MW32:	25' 28'	MW29: MW30:	33'	
MW24: MW28:	27' 33' Actual	MW17: MW32: Depth to Wate	25' 28' er at Pumping	MW29: MW30:	33' 33'	
MW24:	27' 33' Actual	MW17: MW32:	25' 28'	MW29: MW30:	33'	

Seeps
SL01: 618.70
SL02: 618.57
SL03: 619.11
SL04: 618.84

Ну	dro (Co	n		River	Level and Sheen A	ssessment
314 Prepared B	360.703.6079 / Fax West 15th St., Suite 3				Coleman Oil Company - R99 Biodiesel Investigation	Date: August 31, 2021
Jim Clays	on				Agreed Order Number DE 15389	Page: 1 of 1
			[DESCRIPTION OF	SHEEN	
NO SHE	EN					
Location:						
Magnitud	de:					
Description	on.					
Groundw	ater/Product Extra	ction System				
ON or OF	F? System is ON					
Last time	it was turned off?	Quarterly G\	N Sampling E	vent at end of Mar	ch 2020	
	Drawdou	un Loval Ca	t at Dumnin	a Wolls		
MW10R:	27'	MW09R:	t at Pumpin	BH01R:	34'	
MW24:	27'	MW17:	25'	MW29:	33'	
MW28:	33'	MW32:	28'	MW30:	33'	
	Actual De	pth to Wat	er at Pumpi	ing Wells		_
MW10R:	27.66	MW09R:		BH01R:	33.92	
MW24:	28.03	MW17:	25.65	MW29:	34.92	

MW28: **Note:**

32.90

MW32:

28.33

Elevation of Columbia River and Seeps	
River Gauge Elevation: 619.36	Seeps
River Level: 27" (-2.25')	SL01: 618.70
Note: A negative number indicates the water level is ABOVE the top of the River gauge.	SL02: 618.57
Columbia River Elevation: 617.11	SL03: 619.11
	SL04: 618.84
	010 11 01010 1

MW30:

35.21