



STATE OF  
COLORADO

Allison - DNR, Rick <[rick.allison@state.co.us](mailto:rick.allison@state.co.us)>

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## FW: Nelson C-1

1 message

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**Kyle Waggoner** <[kyle.waggoner@whiting.com](mailto:kyle.waggoner@whiting.com)>  
To: "rick.allison@state.co.us" <[rick.allison@state.co.us](mailto:rick.allison@state.co.us)>

Fri, Feb 5, 2016 at 12:16 PM

Mr. Allison,

We are scheduled to install additional monitor wells at the Nelson C-1 next week to further delineate the groundwater impacts. We have been conducting product removal via hand bailing daily (M-F) at this site. See attachments and e-mail below for additional details. If you have any questions, please do not hesitate to call me. Thanks

**Kyle Waggoner, PG**  
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**From:** Jennifer M. Galles [<mailto:jgalles@talonlpe.com>]  
**Sent:** Friday, February 05, 2016 10:32 AM  
**To:** Kyle Waggoner  
**Cc:** Colby Sterling  
**Subject:** Nelson C-1

Kyle –

For the Nelson Ranches C-1 Site (Spill/Release ID 441208), Talon/LPE proposes to install four additional monitoring wells for the purpose of providing additional horizontal and vertical delineation of impacts at the Site. A map of proposed well locations is attached. The wells are proposed to be 4" diameter, with above-ground

mounts. The anticipated drilling depth is 40 feet below ground surface. Following the installation of the wells, they will be developed and sampled.

I have also attached a copy of the most recent groundwater analytical data and the gauging data for the four existing monitoring wells.

Drilling and installation of these wells is scheduled for next week, starting February 8, 2016.

Please let me know if you have any questions or need any additional information.

Thank You,

Jennifer

## **Jennifer Galles, P.G.**

Project Manager

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### **3 attachments**



**Figure 5 - Proposed MW Locations.pdf**  
147K



**Table 3 GW Analytical.pdf**  
33K

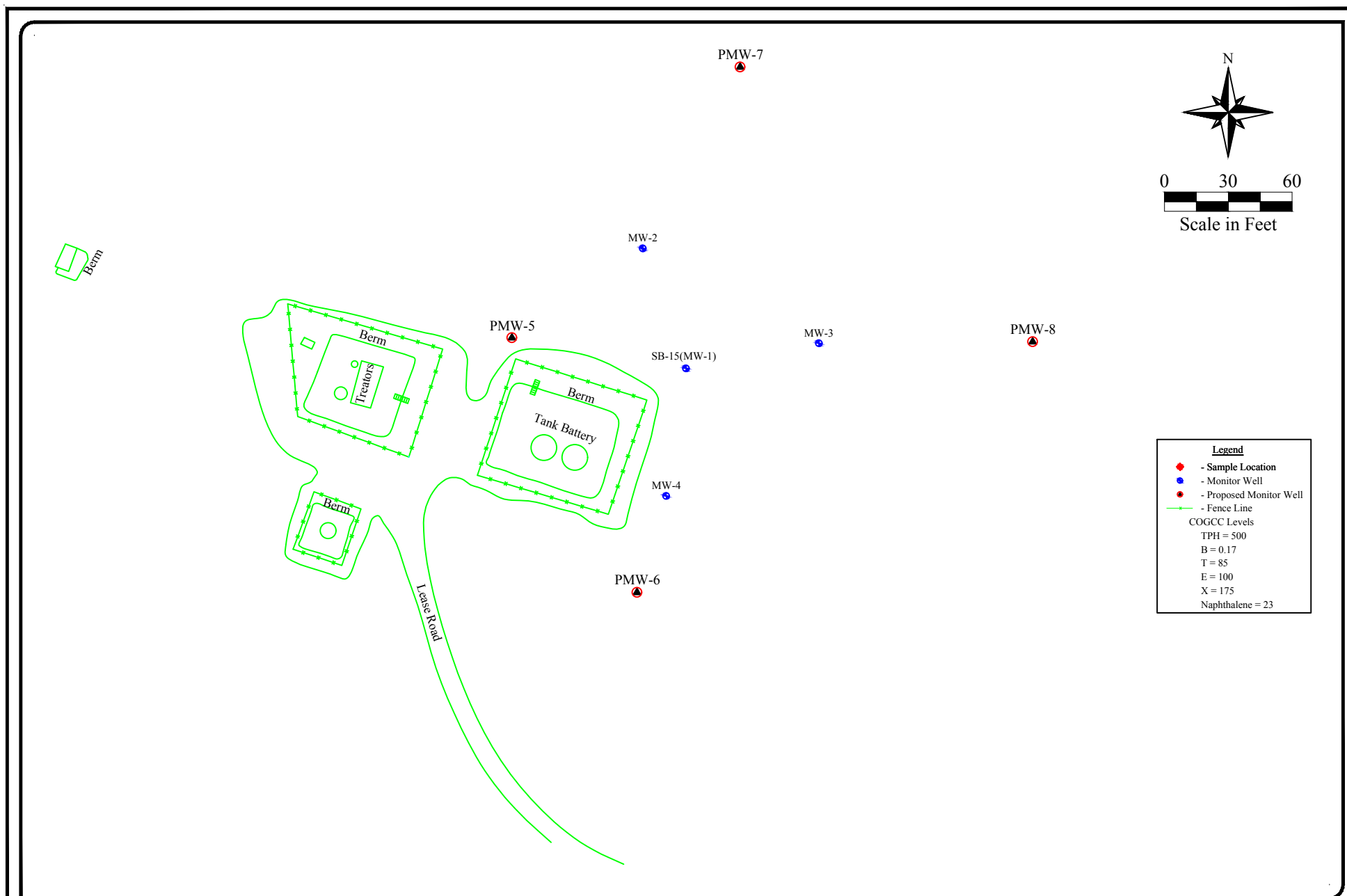


**Table 4 Gauging Data.pdf**

2/5/2016

State.co.us Executive Branch Mail - FW: Nelson C-1

21K



Date: 12/08/2015

Scale: 1" = 60'

Drawn By: TJS

Nelson C-1  
Whiting Oil & Gas  
Weld County, Colorado  
Figure 5 - Site Plan w/Proposed Monitor Wells



**Table 3 - Groundwater Analytical Data**

**Whiting Oil and Gas Corporation  
Nelson C-1  
Weld County, Colorado**

Sample ID	Lab ID	Date Sampled	Concentration (mg/L)			
			Benzene	Toluene	Ethyl-Benzene	Xylenes
COGCC Table 910-1 Concentration Levels			0.005	1	0.7	10
MW-1	1511065-2	11/04/15	17	18	1	5.4
MW-2	1511065-3	11/04/15	18	20	0.96	5
MW-3	NS	NS	LPH	LPH	LPH	LPH
MW-4	1511065-1	11/04/15	16	20	0.94	4.8

µg/L - micrograms per liter

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

NS - Not Sampled

LPH - Liquid Phase Hydrocarbons



**Table 4 - Gauging Data**

**Whiting Oil and Gas Corporation  
Nelson C-1  
Weld County, Colorado**

Well ID	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)
MW-1	11/4/2015	NA	36.49	0.00
	12/3/2015	NA	30.88	0.00
	12/8/2015	30.62	30.63	0.01
	12/22/2015	NA	31.46	0.00
	12/30/2015	NA	32.03	0.00
	1/13/2016	NA	38.05	0.00
	1/21/2016	NA	31.08	0.00
	1/27/2016	31.10	31.13	0.03
MW-2	11/4/2015	31.15	31.20	0.05
	12/3/2015	31.60	31.62	0.02
	12/8/2015	31.50	31.52	0.02
	12/22/2015	NA	31.29	0.00
	12/30/2015	31.93	31.94	0.01
	1/13/2016	NA	31.55	0.00
	1/21/2016	NA	31.71	0.00
	1/27/2016	NA	31.72	0.00
MW-3	11/4/2015	35.61	36.52	0.91
	12/3/2015	34.74	35.89	1.15
	12/8/2015	34.77	35.62	0.85
	12/22/2015	34.44	35.36	0.92
	12/30/2015	35.07	35.93	0.86
	1/13/2016	37.32	37.82	0.50
	1/21/2016	33.70	34.78	1.08
	1/27/2016	33.62	35.13	1.51
MW-4	11/4/2015	NA	35.69	0.00
	12/3/2015	NA	37.50	0.00
	12/8/2015	NA	35.78	0.00
	12/22/2015	NA	34.55	0.00
	12/30/2015	NA	35.60	0.00
	1/13/2016	NA	38.05	0.00
	1/21/2016	NA	34.28	0.00
	1/27/2016	NA	30.36	0.00

NA - Not Applicable  
 NM - Not Measured  
 TOC - Top of Casing  
 DTW - Depth to Water  
 ft btoc - Feet Below Top of Casing  
 ft amsl - Feet Above Mean Sea Level