

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-010

Project No: 8047	Project Name: Forbes Atlas S-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 68.43 feet	Static Water Level: 47.13
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 10
Date of Test: 8-25-15	Type of Test: Rising head
Remarks: Bail & measure recovery manually	

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
0935	0	51.12				5:30	50.55		
	:5	51.07				6:00	50.54		
	:10	51.03				6:30	50.54		
	:15	51.00				7:00	50.53		
	:20	50.99				7:30	50.53		
	:25	50.95				8:00	50.52		
	:30	50.93				8:30	50.52		
	:35	50.90				9:00	50.51		
	:40	50.88				9:30	50.51		
	:45	50.86			0945	10:00	50.51		
	:50	50.84				11:00	50.50		
	1:00	50.82				12:00	50.49		
	1:05	50.81				13:00	50.49		
	1:10	50.79				14:00	50.49		
	1:20	50.77				15:00	50.48		
	1:30	50.75				16:00	50.48		
	1:40	50.72				17:00	50.48		
	1:50	50.71				18:00	50.48		
	2:00	50.70				19:00	50.47		
	2:10	50.68			0955	20:00	50.47		
	2:20	50.66				21:00	50.47		
	2:30	50.65				22:00	50.47		
	2:40	50.65				23:00	50.47		
	2:50	50.63				24:00	50.46		
	3:00	50.62				25:00	50.46		
	3:10	50.62				26:00	50.46		
	3:20	50.61				27:00	50.46		
	3:30	50.60				28:00	50.46		
	3:40	50.59				29:00	50.45		
	3:50	50.59			1005	30:00	50.45		
	4:00	50.58			1035	1 hr	50.40		
	4:10	50.58			1135	2 hr	50.33		
	4:20	50.58			1235	3 hr	50.27		
	4:30	50.57			1335	4 hr	50.22		
	4:40	50.57			1435	5 hr	50.16		
	4:50	50.56			1535	6 hr	50.11		
	5:00	50.56			1635	7 hr	50.06		
	5:15	50.56			1735	8 hr	50.01		

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-02D*

Project No: <i>80447</i>	Project Name: <i>Forbes Atlas 5-9</i>
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: <i>58.63</i> feet	Static Water Level: <i>40.93</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: <i>2</i> inch
Casing Material: <i>PVC</i>	Footage Slotted: <i>5'</i>
Date of Test: <i>7-28-15</i>	Type of Test: <i>Rising Head</i>
Remarks: <i>Bail well. Monitor WL w/ Diver transducer.</i>	

Actual Time	Elapsed Time <small>Min:Sec</small> (Hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time <small>Min:Sec</small> (Hours)	Water Level	Water Level Change	Delta
<i>0853</i>	<i>1:00</i>	<i>46.44</i>				<i>7:20</i>	<i>46.14</i>		
	<i>1:10</i>	<i>46.41</i>				<i>7:30</i>	<i>46.13</i>		
	<i>1:20</i>	<i>46.40</i>				<i>7:40</i>	<i>46.13</i>		
	<i>1:30</i>	<i>46.39</i>				<i>7:50</i>	<i>46.12</i>		
	<i>1:40</i>	<i>46.38</i>				<i>8:00</i>	<i>46.10</i>		
	<i>1:50</i>	<i>46.37</i>				<i>8:10</i>	<i>46.10</i>		
	<i>2:00</i>	<i>46.36</i>				<i>8:20</i>	<i>46.10</i>		
	<i>2:10</i>	<i>46.35</i>				<i>8:30</i>	<i>46.09</i>		
	<i>2:20</i>	<i>46.34</i>				<i>8:40</i>	<i>46.09</i>		
	<i>2:30</i>	<i>46.33</i>				<i>8:50</i>	<i>46.08</i>		
	<i>2:40</i>	<i>46.32</i>				<i>9:00</i>	<i>46.08</i>		
	<i>2:50</i>	<i>46.32</i>				<i>9:10</i>	<i>46.08</i>		
	<i>3:00</i>	<i>46.31</i>				<i>9:20</i>	<i>46.07</i>		
	<i>3:10</i>	<i>46.30</i>				<i>9:30</i>	<i>46.07</i>		
	<i>3:20</i>	<i>46.29</i>				<i>9:40</i>	<i>46.06</i>		
	<i>3:30</i>	<i>46.28</i>				<i>9:50</i>	<i>46.06</i>		
	<i>3:40</i>	<i>46.27</i>			<i>0903</i>	<i>10:00</i>	<i>46.05</i>		
	<i>3:50</i>	<i>46.27</i>							
	<i>4:00</i>	<i>46.26</i>			<i>0928</i>	<i>35:00</i>	<i>45.60</i>		
	<i>4:10</i>	<i>46.25</i>			<i>0951</i>	<i>1 hrs</i>	<i>45.37</i>		
	<i>4:20</i>	<i>46.25</i>			<i>1051</i>	<i>2 hrs</i>	<i>44.96</i>		
	<i>4:30</i>	<i>46.24</i>			<i>1151</i>	<i>3 hrs</i>	<i>44.64</i>		
	<i>4:40</i>	<i>46.23</i>			<i>1251</i>	<i>4 hrs</i>	<i>44.36</i>		
	<i>4:50</i>	<i>46.22</i>			<i>1551</i>	<i>7 hrs</i>	<i>43.72</i>		
<i>0858</i>	<i>5:00</i>	<i>46.22</i>			<i>1651</i>	<i>8 hrs</i>	<i>43.55</i>		
	<i>5:10</i>	<i>46.21</i>			<i>1951</i>	<i>11 hrs</i>	<i>43.19</i>		
	<i>5:20</i>	<i>46.21</i>			<i>7-29-15 2251</i>	<i>23 hrs</i>	<i>42.33</i>		
	<i>5:30</i>	<i>46.20</i>			<i>0851</i>	<i>24 hrs</i>	<i>42.28</i>		
	<i>5:40</i>	<i>46.19</i>			<i>0951</i>	<i>25 hrs</i>	<i>42.25</i>		
	<i>5:50</i>	<i>46.19</i>			<i>1051</i>	<i>26 hrs</i>	<i>42.22</i>		
	<i>6:00</i>	<i>46.18</i>			<i>1151</i>	<i>27 hrs</i>	<i>42.17</i>		
	<i>6:10</i>	<i>46.18</i>			<i>1251</i>	<i>28 hrs</i>	<i>42.14</i>		
	<i>6:20</i>	<i>46.17</i>			<i>1351</i>	<i>29 hrs</i>	<i>42.11</i>		
	<i>6:30</i>	<i>46.17</i>			<i>1451</i>	<i>30 hrs</i>	<i>42.08</i>		
	<i>6:40</i>	<i>46.16</i>			<i>1551</i>	<i>31 hrs</i>	<i>42.05</i>		
	<i>6:50</i>	<i>46.16</i>			<i>1651</i>	<i>32 hrs</i>	<i>42.02</i>		
	<i>7:00</i>	<i>46.15</i>							
	<i>7:30</i>	<i>46.14</i>							

Monitor w/ transducer.

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-025*

Project No: <i>80447</i>	Project Name: <i>Forbes Atlas S-5</i>
Well Location: N (ft): _____ ; E (ft): _____	Elevation (TOC): _____
Well Depth: <i>34.43</i> feet	Static Water Level: <i>21.14</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: <i>2</i> inch
Casing Material: <i>PVC</i>	Footage Slotted: <i>5</i>
Date of Test: <i>7-28-15</i>	Type of Test: <i>Rising head</i>
Remarks: <i>Bail well w/ dismountable bailer & monitor w/ manually w/ water level indicator.</i>	

Actual Time	Elapsed Time <small>(Min:Sec)</small> (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time <small>(Min:Sec)</small> (hours)	Water Level	Water Level Change	Delta
<i>1019</i>	<i>0</i>	<i>24.81</i>				<i>6:20</i>	<i>21.46</i>		
	<i>:10</i>	<i>24.23</i>				<i>6:30</i>	<i>21.44</i>		
	<i>:20</i>	<i>25.83</i>				<i>6:40</i>	<i>21.42</i>		
	<i>:30</i>	<i>25.50</i>				<i>6:50</i>	<i>21.41</i>		
	<i>:40</i>	<i>25.07</i>				<i>7:00</i>	<i>21.39</i>		
	<i>:50</i>	<i>24.79</i>				<i>7:10</i>	<i>21.57</i>		
	<i>1:00</i>	<i>24.50</i>				<i>7:20</i>	<i>21.36</i>		
	<i>1:10</i>	<i>24.24</i>				<i>7:30</i>	<i>21.35</i>		
	<i>1:20</i>	<i>24.02</i>				<i>7:40</i>	<i>21.34</i>		
	<i>1:30</i>	<i>23.80</i>				<i>7:50</i>	<i>21.33</i>		
	<i>1:40</i>	<i>23.57</i>				<i>8:00</i>	<i>21.32</i>		
	<i>1:50</i>	<i>23.40</i>				<i>8:10</i>	<i>21.31</i>		
	<i>2:00</i>	<i>23.24</i>				<i>8:20</i>	<i>21.30</i>		
	<i>2:10</i>	<i>23.06</i>				<i>8:30</i>	<i>21.29</i>		
	<i>2:20</i>	<i>22.90</i>				<i>8:40</i>	<i>21.29</i>		
	<i>2:30</i>	<i>22.80</i>				<i>8:50</i>	<i>21.29</i>		
	<i>2:40</i>	<i>22.66</i>				<i>9:00</i>	<i>21.28</i>		
	<i>2:50</i>	<i>22.56</i>				<i>9:10</i>	<i>21.28</i>		
	<i>3:00</i>	<i>22.45</i>				<i>9:20</i>	<i>21.27</i>		
	<i>3:10</i>	<i>22.35</i>				<i>9:30</i>	<i>21.26</i>		
	<i>3:20</i>	<i>22.26</i>				<i>9:40</i>	<i>21.25</i>		
	<i>3:30</i>	<i>22.18</i>				<i>9:50</i>	<i>21.25</i>		
	<i>3:40</i>	<i>22.10</i>			<i>1029</i>	<i>10:00</i>	<i>21.25</i>		
	<i>3:50</i>	<i>22.02</i>				<i>10:15</i>	<i>21.24</i>		
	<i>4:00</i>	<i>21.97</i>				<i>10:30</i>	<i>21.23</i>		
	<i>4:10</i>	<i>21.91</i>				<i>10:45</i>	<i>21.23</i>		
	<i>4:20</i>	<i>21.86</i>				<i>11:00</i>	<i>21.23</i>		
	<i>4:30</i>	<i>21.81</i>				<i>11:15</i>	<i>21.22</i>		
	<i>4:40</i>	<i>21.77</i>				<i>11:30</i>	<i>21.22</i>		
	<i>4:50</i>	<i>21.72</i>				<i>11:45</i>	<i>21.22</i>		
<i>1024</i>	<i>5:00</i>	<i>21.68</i>				<i>12:00</i>	<i>21.21</i>		
	<i>5:10</i>	<i>21.64</i>				<i>12:15</i>	<i>21.21</i>		
	<i>5:20</i>	<i>21.61</i>				<i>12:30</i>	<i>21.21</i>		
	<i>5:30</i>	<i>21.58</i>				<i>12:45</i>	<i>21.20</i>		
	<i>5:40</i>	<i>21.56</i>				<i>13:00</i>	<i>21.20</i>		
	<i>5:50</i>	<i>21.53</i>				<i>13:15</i>	<i>21.20</i>		
	<i>6:00</i>	<i>21.50</i>				<i>13:30</i>	<i>21.20</i>		
	<i>6:10</i>	<i>21.48</i>				<i>13:45</i>	<i>21.20</i>		

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-035*

Project No: <i>80447</i>	Project Name: <i>Forbes Atlas S-S</i>
Well Location: N (ft): _____ ; E (ft): _____	Elevation (TOC): _____
Well Depth: <i>30.47</i> feet	Static Water Level: <i>20.30</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: <i>2</i> inch
Casing Material: <i>PVC</i>	Footage Slotted: <i>5'</i>
Date of Test: <i>7-27-15</i>	Type of Test: <i>Rising head</i>
Remarks: <i>Brailer used to remove slug. Manual measurements.</i>	

Actual Time	Elapsed Time <small>Min:Sec</small> (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time <small>Min:Sec</small> (hours)	Water Level	Water Level Change	Delta
<i>1213</i>	<i>0</i>	<i>24.30</i>				<i>6:20</i>	<i>21.58</i>		
	<i>:10</i>	<i>25.95</i>				<i>6:30</i>	<i>21.55</i>		
	<i>+500</i>	<i>25:58</i>				<i>6:40</i>	<i>21.50</i>		
	<i>:2030</i>	<i>25:30</i>				<i>6:50</i>	<i>21.46</i>		
	<i>:2540</i>	<i>25.03</i>				<i>7:00</i>	<i>21.43</i>		
	<i>:3050</i>	<i>24.79</i>				<i>7:10</i>	<i>21.38</i>		
	<i>1:3500</i>	<i>24.50</i>				<i>7:20</i>	<i>21.35</i>		
	<i>1:40</i>	<i>24.30</i>				<i>7:30</i>	<i>21.32</i>		
	<i>1:40</i>	<i>24.12</i>				<i>7:40</i>	<i>21.28</i>		
	<i>1:50</i>	<i>24.01</i>				<i>7:50</i>	<i>21.25</i>		
	<i>1:40</i>	<i>23.85</i>				<i>8:00</i>	<i>21.21</i>		
<i>1502:00</i>		<i>24.08</i>	<i>03.65</i>			<i>8:10</i>	<i>21.18</i>		
<i>2:00-2:10</i>		<i>23.49</i>				<i>8:20</i>	<i>21.16</i>		
	<i>2:20</i>	<i>23.35</i>				<i>8:30</i>	<i>21.12</i>		
	<i>2:20</i>	<i>23.24</i>				<i>8:40</i>	<i>21.10</i>		
	<i>2:30</i>	<i>23.15</i>				<i>8:50</i>	<i>21.07</i>		
	<i>2:40</i>	<i>23.06</i>				<i>9:00</i>	<i>21.05</i>		
	<i>2:50</i>	<i>22.96</i>				<i>9:10</i>	<i>21.02</i>		
	<i>2:00</i>	<i>22.86</i>				<i>9:20</i>	<i>21.00</i>		
	<i>3:20</i>	<i>22.77</i>				<i>9:30</i>	<i>20.98</i>		
	<i>3:20</i>	<i>22.68</i>				<i>9:40</i>	<i>20.95</i>		
	<i>3:30</i>	<i>22.61</i>				<i>9:50</i>	<i>20.94</i>		
	<i>3:40</i>	<i>22.52</i>			<i>1223</i>	<i>10:00</i>	<i>20.92</i>		
<i>3:50-4:00</i>		<i>22.44</i>				<i>10:15</i>	<i>20.89</i>		
<i>4:00</i>	<i>4:10</i>	<i>22.37</i>				<i>10:30</i>	<i>20.86</i>		
	<i>4:20</i>	<i>22.21</i>				<i>10:45</i>	<i>20.83</i>		
	<i>4:20</i>	<i>22.23</i>				<i>11:00</i>	<i>20.81</i>		
	<i>4:30</i>	<i>22.16</i>				<i>11:15</i>	<i>20.79</i>		
	<i>4:40</i>	<i>22.09</i>				<i>11:30</i>	<i>20.77</i>		
<i>4:50-5:00</i>		<i>22.05</i>				<i>11:45</i>	<i>20.75</i>		
<i>1218</i>	<i>5:00</i>	<i>22.00</i>				<i>12:00</i>	<i>20.73</i>		
	<i>5:10</i>	<i>21.93</i>				<i>12:15</i>	<i>20.71</i>		
	<i>5:20</i>	<i>21.88</i>				<i>12:30</i>	<i>20.69</i>		
	<i>5:30</i>	<i>21.83</i>				<i>12:45</i>	<i>20.68</i>		
	<i>5:40</i>	<i>21.78</i>				<i>13:00</i>	<i>20.66</i>		
	<i>5:50</i>	<i>21.73</i>				<i>13:15</i>	<i>20.65</i>		
	<i>6:00</i>	<i>21.69</i>				<i>13:30</i>	<i>20.64</i>		
	<i>6:10</i>	<i>21.64</i>				<i>13:45</i>	<i>20.62</i>		

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-04D*

Project No: <i>80447</i>	Project Name: <i>Forbes S-5</i>
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: <i>66.77</i> feet	Static Water Level: <i>50.91</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: <i>5</i>
Date of Test: <i>8-25-15</i>	Type of Test: <i>Rising Head</i>
Remarks: <i>Bail will & measure recovery manually.</i>	

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
<i>0818</i>	<i>0</i>	<i>55.80</i>				<i>6:00</i>	<i>55.73</i>		
	<i>:5</i>	<i>55.79</i>				<i>6:30</i>	<i>55.73</i>		
	<i>:10</i>	<i>55.79</i>				<i>7:00</i>	<i>55.73</i>		
	<i>:15</i>	<i>55.79</i>				<i>7:30</i>	<i>55.73</i>		
	<i>:20</i>	<i>55.79</i>				<i>8:00</i>	<i>55.73</i>		
	<i>:25</i>	<i>55.78</i>				<i>8:30</i>	<i>55.73</i>		
	<i>:30</i>	<i>55.78</i>				<i>9:00</i>	<i>55.72</i>		
	<i>:35</i>	<i>55.78</i>				<i>9:30</i>	<i>55.72</i>		
	<i>:40</i>	<i>55.78</i>			<i>0828</i>	<i>10:00</i>	<i>55.72</i>		
	<i>:45</i>	<i>55.78</i>				<i>11:00</i>	<i>55.71</i>		
	<i>:50</i>	<i>55.78</i>				<i>12:00</i>	<i>55.71</i>		
	<i>:55</i>	<i>55.78</i>				<i>13:00</i>	<i>55.71</i>		
	<i>1:00</i>	<i>55.77</i>				<i>14:00</i>	<i>55.71</i>		
	<i>1:10</i>	<i>55.77</i>				<i>15:00</i>	<i>55.70</i>		
	<i>1:20</i>	<i>55.77</i>				<i>16:00</i>	<i>55.70</i>		
	<i>1:30</i>	<i>55.77</i>				<i>17:00</i>	<i>55.70</i>		
	<i>1:40</i>	<i>55.77</i>				<i>18:00</i>	<i>55.70</i>		
	<i>1:50</i>	<i>55.77</i>				<i>19:00</i>	<i>55.69</i>		
	<i>2:00</i>	<i>55.76</i>			<i>0838</i>	<i>20:00</i>	<i>55.69</i>		
	<i>2:10</i>	<i>55.76</i>				<i>21:00</i>	<i>55.69</i>		
	<i>2:20</i>	<i>55.76</i>				<i>22:00</i>	<i>55.69</i>		
	<i>2:30</i>	<i>55.76</i>				<i>23:00</i>	<i>55.68</i>		
	<i>2:40</i>	<i>55.76</i>				<i>24:00</i>	<i>55.68</i>		
	<i>2:50</i>	<i>55.75</i>				<i>25:00</i>	<i>55.68</i>		
	<i>3:00</i>	<i>55.75</i>				<i>26:00</i>	<i>55.68</i>		
	<i>3:10</i>	<i>55.75</i>				<i>27:00</i>	<i>55.68</i>		
	<i>3:20</i>	<i>55.75</i>				<i>28:00</i>	<i>55.67</i>		
	<i>3:30</i>	<i>55.75</i>				<i>29:00</i>	<i>55.67</i>		
	<i>3:40</i>	<i>55.75</i>			<i>0848</i>	<i>30:00</i>	<i>55.67</i>		
	<i>3:50</i>	<i>55.75</i>			<i>0918</i>	<i>1hr</i>	<i>55.61</i>		
	<i>4:00</i>	<i>55.74</i>			<i>1018</i>	<i>2hr</i>	<i>55.52</i>		
	<i>4:10</i>	<i>55.74</i>			<i>1118</i>	<i>3hr</i>	<i>55.44</i>		
	<i>4:20</i>	<i>55.74</i>			<i>1218</i>	<i>4hr</i>	<i>55.36</i>		
	<i>4:30</i>	<i>55.74</i>			<i>1318</i>	<i>5hr</i>	<i>55.30</i>		
	<i>4:40</i>	<i>55.74</i>			<i>1418</i>	<i>6hr</i>	<i>55.23</i>		
	<i>4:50</i>	<i>55.74</i>			<i>1518</i>	<i>7hr</i>	<i>55.16</i>		
	<i>5:00</i>	<i>55.74</i>			<i>1618</i>	<i>8hr</i>	<i>55.09</i>		
	<i>5:30</i>	<i>55.74</i>			<i>1718</i>	<i>9hr</i>	<i>55.02</i>		

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-045*

Project No: <i>80447</i>	Project Name: <i>Forbes Atlas S-5</i>
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: <i>37.18</i> feet	Static Water Level: <i>28.86</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: <i>2</i> inch
Casing Material: <i>PVC</i>	Footage Slotted: <i>5</i>
Date of Test: <i>7-27-15</i>	Type of Test: <i>Rising head</i>
Remarks: <i>Bail well with disposable bailer. Monitor w/ w/ water level indicator</i>	

Actual Time	Elapsed Time <small>min:sec</small> (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time <small>min:sec</small> (hours)	Water Level	Water Level Change	Delta
<i>1609</i>	<i>0</i>	<i>34.02</i>				<i>6:20</i>	<i>31.77</i>		
	<i>:10</i>	<i>33.84</i>				<i>6:30</i>	<i>31.76</i>		
	<i>:20</i>	<i>33.70</i>				<i>6:40</i>	<i>31.74</i>		
	<i>:30</i>	<i>33.49</i>				<i>6:50</i>	<i>31.73</i>		
	<i>:40</i>	<i>33.36</i>				<i>7:00</i>	<i>31.72</i>		
	<i>:50</i>	<i>33.22</i>				<i>7:10</i>	<i>31.71</i>		
	<i>1:00</i>	<i>33.07</i>				<i>7:20</i>	<i>31.71</i>		
	<i>1:10</i>	<i>32.92</i>				<i>7:30</i>	<i>31.69</i>		
	<i>1:20</i>	<i>32.78</i>				<i>7:40</i>	<i>31.68</i>		
	<i>1:30</i>	<i>32.65</i>				<i>7:50</i>	<i>31.67</i>		
	<i>1:40</i>	<i>32.52</i>				<i>8:00</i>	<i>31.67</i>		
	<i>1:50</i>	<i>32.42</i>				<i>8:10</i>	<i>31.65</i>		
	<i>2:00</i>	<i>32.31</i>				<i>8:20</i>	<i>31.64</i>		
	<i>2:10</i>	<i>32.22</i>				<i>8:30</i>	<i>31.64</i>		
	<i>2:20</i>	<i>32.16</i>				<i>8:40</i>	<i>31.63</i>		
	<i>2:30</i>	<i>32.11</i>				<i>8:50</i>	<i>31.62</i>		
	<i>2:40</i>	<i>32.08</i>				<i>9:00</i>	<i>31.60</i>		
	<i>2:50</i>	<i>32.04</i>				<i>9:10</i>	<i>31.59</i>		
	<i>3:00</i>	<i>32.02</i>				<i>9:20</i>	<i>31.58</i>		
	<i>3:10</i>	<i>32.00</i>				<i>9:30</i>	<i>31.58</i>		
	<i>3:20</i>	<i>31.98</i>				<i>9:40</i>	<i>31.57</i>		
	<i>3:30</i>	<i>31.97</i>				<i>9:50</i>	<i>31.56</i>		
	<i>3:40</i>	<i>31.96</i>			<i>1619</i>	<i>10:00</i>	<i>31.55</i>		
	<i>3:50</i>	<i>31.95</i>				<i>10:15</i>	<i>31.53</i>		
	<i>4:00</i>	<i>31.93</i>				<i>10:30</i>	<i>31.52</i>		
	<i>4:10</i>	<i>31.92</i>				<i>10:45</i>	<i>31.50</i>		
	<i>4:20</i>	<i>31.90</i>				<i>11:00</i>	<i>31.49</i>		
	<i>4:30</i>	<i>31.89</i>				<i>11:15</i>	<i>31.48</i>		
	<i>4:40</i>	<i>31.88</i>				<i>11:30</i>	<i>31.47</i>		
	<i>4:50</i>	<i>31.87</i>				<i>11:45</i>	<i>31.45</i>		
<i>1614</i>	<i>5:00</i>	<i>31.86</i>				<i>12:00</i>	<i>31.44</i>		
	<i>5:10</i>	<i>31.85</i>				<i>12:15</i>	<i>31.43</i>		
	<i>5:20</i>	<i>31.84</i>				<i>12:30</i>	<i>31.41</i>		
	<i>5:30</i>	<i>31.83</i>				<i>12:45</i>	<i>31.40</i>		
	<i>5:40</i>	<i>31.82</i>				<i>13:00</i>	<i>31.39</i>		
	<i>5:50</i>	<i>31.80</i>				<i>13:15</i>	<i>31.38</i>		
	<i>6:00</i>	<i>31.79</i>				<i>13:30</i>	<i>31.37</i>		
	<i>6:10</i>	<i>31.78</i>				<i>13:45</i>	<i>31.35</i>		

FIELD PERMEABILITY (SLUG) TEST (Continued)
WELL ID: MW-049

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1623	14:00	31.33				53:00	29.98		
	14:15	31.32				54:00	29.96		
	14:30	31.31				55:00	29.94		
	14:45	31.29				56:00	29.91		
1624	15:00	31.28				57:00	29.89		
	15:30	31.26				58:00	29.87		
	16:00	31.23				59:00	29.85		
	16:30	31.21			1709	60:00	29.83		
	17:00	31.18				61:00	29.81		
	17:30	31.16				62:00	29.79		
	18:00	31.14				63:00	29.77		
	18:30	31.12				64:00	29.75		
	19:00	31.09				65:00	29.73		
	19:30	31.07				66:00	29.72		
1629	20:00	31.05				67:00	29.70		
	21:00	31.00				68:00	29.68		
	22:00	30.96				69:00	29.66		
	23:00	30.92			1719	70:00	29.64		
	24:00	30.88							
	25:00	30.83							
	26:00	30.79							
	27:00	30.76							
	28:00	30.71							
	29:00	30.68							
1639	30:00	30.64							
	31:00	30.61							
	32:00	30.56							
	33:00	30.53							
	34:00	30.49							
	35:00	30.46							
	36:00	30.44							
	37:00	30.41							
	38:00	30.38							
	39:00	30.35							
1649	40:00	30.31							
	41:00	30.29							
	42:00	30.26							
	43:00	30.23							
	44:00	30.20							
	45:00	30.18							
	46:00	30.15							
	47:00	30.13							
	48:00	30.10							
	49:00	30.07							
1659	50:00	30.05							
	51:00	30.03							
	52:00	30.00							

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-05 D*

Project No: <i>80447</i>	Project Name: <i>Forbes Atlas 5-5</i>
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: <i>64.40</i> feet	Static Water Level: <i>49.85</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: <i>5</i>
Date of Test: <i>8-25-15</i>	Type of Test: <i>Rising Head</i>
Remarks: <i>Rising Head. Remove slug w/ bailer & manual measurements</i>	

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
<i>0729</i>	<i>0</i>	<i>54.34</i>				<i>6:00</i>	<i>54.27</i>		
	<i>:5</i>	<i>54.34</i>				<i>6:30</i>	<i>54.27</i>		
	<i>:10</i>	<i>54.33</i>				<i>7:00</i>	<i>54.27</i>		
	<i>:15</i>	<i>54.33</i>				<i>7:30</i>	<i>54.27</i>		
	<i>:20</i>	<i>54.32</i>				<i>8:00</i>	<i>54.27</i>		
	<i>:25</i>	<i>54.32</i>				<i>8:30</i>	<i>54.26</i>		
	<i>:30</i>	<i>54.31</i>				<i>9:00</i>	<i>54.26</i>		
	<i>:35</i>	<i>54.31</i>				<i>9:30</i>	<i>54.26</i>		
	<i>:40</i>	<i>54.31</i>			<i>0739</i>	<i>10:00</i>	<i>54.26</i>		
	<i>:45</i>	<i>54.30</i>				<i>11:00</i>	<i>54.26</i>		
	<i>:50</i>	<i>54.30</i>				<i>12:00</i>	<i>54.26</i>		
	<i>:55</i>	<i>54.30</i>				<i>13:00</i>	<i>54.26</i>		
	<i>1:00</i>	<i>54.30</i>				<i>14:00</i>	<i>54.25</i>		
	<i>1:10</i>	<i>54.30</i>				<i>15:00</i>	<i>54.25</i>		
	<i>1:20</i>	<i>54.29</i>				<i>16:00</i>	<i>54.24</i>		
	<i>1:30</i>	<i>54.29</i>				<i>17:00</i>	<i>54.23</i>		
	<i>1:40</i>	<i>54.29</i>				<i>18:00</i>	<i>54.23</i>		
	<i>1:50</i>	<i>54.29</i>				<i>19:00</i>	<i>54.23</i>		
	<i>2:00</i>	<i>54.29</i>			<i>0749</i>	<i>20:00</i>	<i>54.23</i>		
	<i>2:10</i>	<i>54.29</i>				<i>21:00</i>	<i>54.23</i>		
	<i>2:20</i>	<i>54.29</i>				<i>22:00</i>	<i>54.23</i>		
	<i>2:30</i>	<i>54.29</i>				<i>23:00</i>	<i>54.23</i>		
	<i>2:40</i>	<i>54.29</i>				<i>24:00</i>	<i>54.23</i>		
	<i>2:50</i>	<i>54.29</i>				<i>25:00</i>	<i>54.23</i>		
	<i>3:00</i>	<i>54.29</i>				<i>26:00</i>	<i>54.22</i>		
	<i>3:10</i>	<i>54.29</i>				<i>27:00</i>	<i>54.22</i>		
	<i>3:20</i>	<i>54.29</i>				<i>28:00</i>	<i>54.22</i>		
	<i>3:30</i>	<i>54.29</i>				<i>29:00</i>	<i>54.22</i>		
	<i>3:40</i>	<i>54.29</i>			<i>0759</i>	<i>30:00</i>	<i>54.22</i>		
	<i>3:50</i>	<i>54.29</i>			<i>0909</i>	<i>1hr 40min</i>	<i>54.16</i>		
	<i>4:00</i>	<i>54.28</i>			<i>1029</i>	<i>3hr</i>	<i>54.09</i>		
	<i>4:10</i>	<i>54.28</i>			<i>1129</i>	<i>4hr</i>	<i>54.05</i>		
	<i>4:20</i>	<i>54.28</i>			<i>1229</i>	<i>5hr</i>	<i>54.03</i>		
	<i>4:30</i>	<i>54.28</i>			<i>1329</i>	<i>6hr</i>	<i>53.98</i>		
	<i>4:40</i>	<i>54.28</i>			<i>1429</i>	<i>7hr</i>	<i>53.93</i>		
	<i>4:50</i>	<i>54.28</i>			<i>1529</i>	<i>8hr</i>	<i>53.89</i>		
	<i>5:00</i>	<i>54.28</i>			<i>1629</i>	<i>9hr</i>	<i>53.86</i>		
	<i>5:30</i>	<i>54.27</i>			<i>1729</i>	<i>10hr</i>	<i>53.82</i>		

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-06D*

Project No: <i>70047</i>	Project Name: <i>Fochs Atlas S-5</i>
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: <i>51.50</i> feet	Static Water Level: <i>26.83</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: <i>5</i>
Date of Test: <i>7-28-15 & 7-29-15</i>	Type of Test: <i>Rising Head</i>
Remarks: <i>Bail well with disposable bailer and monitor water level with</i>	

water level indicator

Actual Time	Elapsed Time <small>min:sec</small> (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time <small>min:sec</small> (hours)	Water Level	Water Level Change	Delta
<i>1710</i>	<i>0</i>	<i>33.47</i>				<i>6:20</i>	<i>33.40</i>		
	<i>:10</i>	<i>33.46</i>				<i>6:30</i>	<i>33.40</i>		
	<i>:20</i>	<i>33.45</i>				<i>6:40</i>	<i>33.40</i>		
	<i>:30</i>	<i>33.44</i>				<i>6:50</i>	<i>33.40</i>		
	<i>:40</i>	<i>33.44</i>				<i>7:00</i>	<i>33.40</i>		
	<i>:50</i>	<i>33.44</i>				<i>7:10</i>	<i>33.40</i>		
	<i>1:00</i>	<i>33.44</i>				<i>7:20</i>	<i>33.39</i>		
	<i>1:10</i>	<i>33.43</i>				<i>7:30</i>	<i>33.39</i>		
	<i>1:20</i>	<i>33.43</i>				<i>7:40</i>	<i>33.39</i>		
	<i>1:30</i>	<i>33.43</i>				<i>7:50</i>	<i>33.39</i>		
	<i>1:40</i>	<i>33.43</i>				<i>8:00</i>	<i>33.39</i>		
	<i>1:50</i>	<i>33.43</i>				<i>8:10</i>	<i>33.39</i>		
	<i>2:00</i>	<i>33.42</i>				<i>8:20</i>	<i>33.39</i>		
	<i>2:10</i>	<i>33.42</i>				<i>8:30</i>	<i>33.39</i>		
	<i>2:20</i>	<i>33.42</i>				<i>8:40</i>	<i>33.39</i>		
	<i>2:30</i>	<i>33.42</i>				<i>8:50</i>	<i>33.39</i>		
	<i>2:40</i>	<i>33.42</i>				<i>9:00</i>	<i>33.39</i>		
	<i>2:50</i>	<i>33.42</i>				<i>9:10</i>	<i>33.39</i>		
	<i>3:00</i>	<i>33.42</i>				<i>9:20</i>	<i>33.39</i>		
	<i>3:10</i>	<i>33.42</i>				<i>9:30</i>	<i>33.39</i>		
	<i>3:20</i>	<i>33.42</i>				<i>9:40</i>	<i>33.39</i>		
	<i>3:30</i>	<i>33.42</i>				<i>9:50</i>	<i>33.39</i>		
	<i>3:40</i>	<i>33.42</i>			<i>1720</i>	<i>10:00</i>	<i>33.39</i>		
	<i>3:50</i>	<i>33.42</i>				<i>10:15</i>	<i>33.39</i>		
	<i>4:00</i>	<i>33.41</i>				<i>10:30</i>	<i>33.39</i>		
	<i>4:10</i>	<i>33.41</i>				<i>10:45</i>	<i>33.39</i>		
	<i>4:20</i>	<i>33.41</i>				<i>11:00</i>	<i>33.39</i>		
	<i>4:30</i>	<i>33.41</i>				<i>11:15</i>	<i>33.38</i>		
	<i>4:40</i>	<i>33.41</i>				<i>11:30</i>	<i>33.38</i>		
	<i>4:50</i>	<i>33.41</i>				<i>11:45</i>	<i>33.38</i>		
<i>1715</i>	<i>5:00</i>	<i>33.41</i>				<i>12:00</i>	<i>33.38</i>		
	<i>5:10</i>	<i>33.41</i>				<i>12:15</i>	<i>33.38</i>		
	<i>5:20</i>	<i>33.41</i>				<i>12:30</i>	<i>33.38</i>		
	<i>5:30</i>	<i>33.40</i>				<i>12:45</i>	<i>33.38</i>		
	<i>5:40</i>	<i>33.40</i>				<i>13:00</i>	<i>33.38</i>		
	<i>5:50</i>	<i>33.40</i>				<i>13:15</i>	<i>33.38</i>		
	<i>6:00</i>	<i>33.40</i>				<i>13:30</i>	<i>33.38</i>		
	<i>6:10</i>	<i>33.40</i>				<i>13:45</i>	<i>33.38</i>		

FIELD PERMEABILITY (SLUG) TEST (Continued)
WELL ID: MW-06D

Actual Time	Elapsed Time (Hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (Hours)	Water Level	Water Level Change	Delta
1724	14:00	33.38				43	33.32		
	14:15	33.38				44	33.32		
	14:30	33.38				45	33.31		
	14:45	33.38				46	33.31		
	15:00	33.37				47	33.31		
	15:30	33.37				48	33.31		
	16:00	33.37				49	33.31		
	16:30	33.37				50	33.31		
	17:00	33.37				51	33.30		
	17:30	33.37				52	33.30		
	18:00	33.37				53	33.30		
	18:30	33.37				54	33.30		
	19:00	33.36				55	33.30		
	19:30	33.36				56	33.30		
	20:00	33.36				57	33.30		
	20:30	33.36				58	33.30		
	21:00	33.36				59	33.30		
	21:30	33.36			1810	60	33.30		
	22:00	33.36				65	33.29		
	22:30	33.36				70	33.28		
	23:00	33.36				75	33.28		
	23:30	33.36				80	33.27		
	24:00	33.36				90	33.26		
	24:30	33.35				100	33.24		
	25:00	33.35				110	33.23		
	25:30	33.35			1910	120	33.22		
	26:00	33.35			1940	2.5 hrs	33.18		
	26:30	33.35			2010	3 hrs	33.13		
	27:00	33.35			7-29 2710	14 hrs	32.48		
	27:30	33.34			0810	15 hrs	32.41		
	28:00	33.34			0910	16 hrs	32.36		
	28:30	33.34			1010	17 hrs	32.31		
	29:00	33.34			1110	18 hrs	32.26		
	29:30	33.34			1210	19 hrs	32.19		
1740	30:00	33.34			1310	20 hrs	32.14		
	31	33.34			1410	21 hrs	32.08		
	32	33.34			1510	22 hrs	32.03		
	33	33.34			1610	23 hrs	31.97		
	34	33.33			1710	24 hrs	31.92		
	35	33.33							
	36	33.33							
	37	33.33							
	38	33.33							
	39	33.33							
	40	33.32							
	41	33.32							
	42	33.32							

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-065*

Project No: <i>80447</i>	Project Name: <i>Forbes Atlas S-S</i>
Well Location: N (ft): _____ ; E (ft): _____	Elevation (TOC): _____
Well Depth: <i>23.55</i> feet	Static Water Level: <i>11.35</i>
Boring Diameter: <i>4</i> -inch	Casing Diameter: <i>2</i> inch
Casing Material: <i>PVC</i>	Footage Slotted: <i>5</i>
Date of Test: <i>7-28-15</i>	Type of Test: <i>Rising head</i>

Remarks: *Bail well with disposable bailer. Monitor water level manually with water level indicator.*

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
<i>1344</i>	<i>0</i>	<i>15.61</i>			<i>6:20</i>	<i>6:20</i>	<i>13.16</i>		
	<i>:10</i>	<i>15.40</i>			<i>6</i>	<i>6:30</i>	<i>13.13</i>		
	<i>:20</i>	<i>15.20</i>				<i>6:40</i>	<i>13.12</i>		
	<i>:30</i>	<i>15.01</i>				<i>6:50</i>	<i>13.10</i>		
	<i>:40</i>	<i>14.83</i>				<i>7:00</i>	<i>13.08</i>		
	<i>:50</i>	<i>14.71</i>				<i>7:10</i>	<i>13.06</i>		
	<i>1:00</i>	<i>14.60</i>				<i>7:20</i>	<i>13.04</i>		
	<i>1:10</i>	<i>14.48</i>				<i>7:30</i>	<i>13.02</i>		
	<i>1:20</i>	<i>14.39</i>				<i>7:40</i>	<i>13.01</i>		
	<i>1:30</i>	<i>14.29</i>				<i>7:50</i>	<i>13.00</i>		
	<i>1:40</i>	<i>14.22</i>				<i>8:00</i>	<i>12.98</i>		
	<i>1:50</i>	<i>14.14</i>				<i>8:10</i>	<i>12.96</i>		
	<i>2:00</i>	<i>14.08</i>				<i>8:20</i>	<i>12.94</i>		
	<i>2:10</i>	<i>14.03</i>				<i>8:30</i>	<i>12.93</i>		
	<i>2:20</i>	<i>13.96</i>				<i>8:40</i>	<i>12.92</i>		
	<i>2:30</i>	<i>13.92</i>				<i>8:50</i>	<i>12.91</i>		
	<i>2:40</i>	<i>13.86</i>				<i>9:00</i>	<i>12.89</i>		
	<i>2:50</i>	<i>13.81</i>				<i>9:10</i>	<i>12.87</i>		
	<i>3:00</i>	<i>13.76</i>				<i>9:20</i>	<i>12.86</i>		
	<i>3:10</i>	<i>13.71</i>				<i>9:30</i>	<i>12.85</i>		
	<i>3:20</i>	<i>13.67</i>				<i>9:40</i>	<i>12.84</i>		
	<i>3:30</i>	<i>13.63</i>				<i>9:50</i>	<i>12.82</i>		
	<i>3:40</i>	<i>13.59</i>			<i>1354</i>	<i>10:00</i>	<i>12.81</i>		
	<i>3:50</i>	<i>13.55</i>				<i>10:15</i>	<i>12.79</i>		
	<i>4:00</i>	<i>13.51</i>				<i>10:30</i>	<i>12.77</i>		
	<i>4:10</i>	<i>13.47</i>				<i>10:45</i>	<i>12.76</i>		
	<i>4:20</i>	<i>13.44</i>				<i>11:00</i>	<i>12.74</i>		
	<i>4:30</i>	<i>13.42</i>				<i>11:15</i>	<i>12.73</i>		
	<i>4:40</i>	<i>13.40</i>				<i>11:30</i>	<i>12.71</i>		
	<i>4:50</i>	<i>13.37</i>				<i>11:45</i>	<i>12.70</i>		
<i>1349</i>	<i>5:00</i>	<i>13.35</i>				<i>12:00</i>	<i>12.68</i>		
	<i>5:10</i>	<i>13.32</i>				<i>12:15</i>	<i>12.67</i>		
	<i>5:20</i>	<i>13.29</i>				<i>12:30</i>	<i>12.65</i>		
	<i>5:30</i>	<i>13.26</i>				<i>12:45</i>	<i>12.64</i>		
	<i>5:40</i>	<i>13.24</i>				<i>13:00</i>	<i>12.63</i>		
	<i>5:50</i>	<i>13.22</i>				<i>13:15</i>	<i>12.62</i>		
	<i>6:00</i>	<i>13.20</i>				<i>13:30</i>	<i>12.61</i>		
	<i>6:10</i>	<i>13.18</i>				<i>13:45</i>	<i>12.59</i>		

FIELD PERMEABILITY (SLUG) TEST (Continued)

WELL ID: MW-065

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1358	14:00	12.57				43:00	11.97		
	14:15	12.56				44:00	11.96		
	14:30	12.55				45:00	11.95		
	14:45	12.54				46:00	11.94		
1359	15:00	12.53				47:00	11.93		
	15:30	12.51				48:00	11.92		
	16:00	12.49				49:00	11.91		
	16:30	12.47			1434	50:00	11.90		
	17:00	12.45				51:00	11.89		
	17:30	12.43				52:00	11.89		
	18:00	12.41				53:00	11.88		
	18:30	12.39				54:00	11.87		
	19:00	12.38				55:00	11.86		
	19:30	12.37				56:00	11.86		
1404	20:00	12.35				57:00	11.85		
	20:30	12.33				58:00	11.84		
	21:00	12.32				59:00	11.84		
	21:30	12.31			1444	60:00	11.83		
	22:00	12.29				65:00	11.80		
	22:30	12.27				70:00	11.78		
	23:00	12.27				75:00	11.75		
	23:30	12.26				80:00	11.73		
	24:00	12.24			1514	90:00	11.70		
	24:30	12.24				100:00	11.67		
	25:00	12.23				110:00	11.65		
	25:30	12.21			1544	120:00	11.63		
	26:00	12.21							
	26:30	12.20							
	27:00	12.19							
	27:30	12.18							
	28:00	12.17							
	28:30	12.16							
	29:00	12.15							
	29:30	12.14							
1414	30:00	12.13							
	31:00	12.12							
	32:00	12.10							
	33:00	12.09							
	34:00	12.07							
	35:00	12.06							
	36:00	12.04							
	37:00	12.03							
	38:00	12.02							
	39:00	12.01							
1424	40:00	11.99							
	41:00	11.98							
	42:00	11.97							

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-075

Project No: 80447	Project Name: Forbes Atlas S-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 35.42 feet	Static Water Level: 23.55
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 5'
Date of Test: 7-27-15	Type of Test: Rising head
Remarks: Removed slug w/ disposable bailer. Manual measurements with water level indicator	

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1434	0	31.60				6:20	25.62		
	:10	31.25				6:30	25.55		
	:20	31.00				6:40	25.48		
	:30	30.71				6:50	25.42		
	:40	30.50				7:00	25.36		
	:50	30.27				7:10	25.29		
	1:00	30.04				7:20	25.23		
	1:10	29.90				7:30	25.17		
	1:20	29.79				7:40	25.13		
	1:30	29.57				7:50	25.07		
	1:40	29.35				8:00	25.02		
	1:50	29.15				8:10	24.97		
	2:00	28.80				8:20	24.93		
	2:10	28.60				8:30	24.88		
	2:20	28.41				8:40	24.83		
	2:30	28.25				8:50	24.78		
	2:40	28.09				9:00	24.74		
	2:50	27.92				9:10	24.70		
	3:00	27.78				9:20	24.66		
	3:10	27.64				9:30	24.63		
	3:20	27.49				9:40	24.59		
	3:30	27.33				9:50	24.54		
	3:40	27.22			1444	10:00	24.52		
	3:50	27.10				10:15	24.47		
	4:00	26.96				10:30	24.42		
	4:10	26.84				10:45	24.37		
	4:20	26.74				11:00	24.33		
	4:30	26.63				11:15	24.29		
	4:40	26.52				11:30	24.26		
	4:50	26.41				11:45	24.23		
1439	5:00	26.31				12:00	24.19		
	5:10	26.22				12:15	24.15		
	5:20	26.12				12:30	24.12		
	5:30	26.03				12:45	24.10		
	5:40	25.94				13:00	24.07		
	5:50	25.86				13:15	24.04		
	6:00	25.78				13:30	24.02		
	6:10	25.70				13:45	23.99		

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-085

Project No: 80447	Project Name: Forbes Atlas 5-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 23.07 feet b to c	Static Water Level: 15.55
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 5'
Date of Test: 7-12-16	Type of Test: Rising head

Remarks: Bail with w/ disposable bailer & monitor recovery with WL indicator.
 9070 Mercury: 16.12' b to c Bailed 2.5 gal

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1220	0	21.25				9:00	17.68		
	:10	20.76				9:30	17.65		
	:20	20.20			1230	10	17.63		
	:30	19.82				11	17.59		
	:40	19.46				12	17.54		
	:50	19.11				13	17.49		
	1:00	18.89				14	17.46		
	1:10	18.66			1235	15	17.42		
	1:20	18.52				16	17.39		
	1:30	18.43				17	17.35		
	1:40	18.38				18	17.32		
	1:50	18.33				19	17.29		
	2:00	18.28			1240	20	17.27		
	2:10	18.25				25	17.17		
	2:20	18.22			1250	30	17.04		
	2:30	18.20				40	16.86		
	2:40	18.18				50	16.67		
	2:50	18.15			1320	60	16.55		
	3:00	18.13			1350	90	16.33		
	3:10	18.10			1435	135	16.07		
	3:20	18.08							
	3:30	18.07							
	3:40	18.05							
	3:50	18.03							
	4:00	18.02							
	4:10	18.01							
	4:20	18.00							
	4:30	17.99							
	4:40	17.97							
	4:50	17.96							
1225	5:00	17.95							
	5:30	17.91							
	6:00	17.87							
	6:30	17.83							
	7:00	17.80							
	7:30	17.76							
	8:00	17.74							
	8:30	17.71							

END TEST
 Follow up WL Measurement:
 1820 360 15.75

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-095

Project No: 80447	Project Name: Forbes Atlas S-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 25.54 feet btoe	Static Water Level: 14.38' btoe
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 5'
Date of Test: 7-12-16	Type of Test: Rising Head

Remarks: Bail well with disposable bailer & monitor recovery manually w/ water level indicator. 90% recovery = 15.31' btoe Bailed 2.5 gal

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1140	0	23.65				9:00	15.83		
	:10	23.00				9:30	15.72		
	:20	22.65			1150	10	15.60		
	:30	22.38				11	15.40		
	:40	22.00				12	15.25		
	:50	21.67				13	15.11		
	1:00	21.41				14	15.00		
	1:10	21.20				15	14.92		
	1:20	21.00				16	14.84		
	1:30	20.76				17	14.78		
	1:40	20.56				18	14.73		
	1:50	20.33				19	14.69		
	2:00	20.14			1200	20	14.65		
	2:10	19.97				25	END TEST		
	2:20	19.76				30			
	2:30	19.58				40			
	2:40	19.43				50			
	2:50	19.27				60			
	3:00	19.15							
	3:10	18.99							
	3:20	18.80							
	3:30	18.65							
	3:40	18.48							
	3:50	18.35							
	4:00	18.20							
	4:10	18.06							
	4:20	17.94							
	4:30	17.82							
	4:40	17.68							
	4:50	17.54							
1145	5:00	17.44							
	5:30	17.20							
	6:00	16.94							
	6:30	16.66							
	7:00	16.46							
	7:30	16.27							
	8:00	16.12							
	8:30	15.98							

Follow up WL measurement:

1810 390 14.42

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-105

Project No: 80447	Project Name: Forbes Atlas 5-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 24.83 feet btoe	Static Water Level: 13.07' btoe
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 5'
Date of Test: 7-12-16	Type of Test: Rising head

Remarks: Bail well w/ disposable bailer & monitor recovery manually
w/ water level indicator. 90% recovery = 14.09' btoe. Bailed 2.5 gal

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1000	0	22.31				9:00	19.60		
	:10	22.34				9:30	19.44		
	:20	22.57			1010	10:00	19.31		
	:30	22.32				11:00	19.15		
	:40	22.17				12	18.81		
	:50	22.03				13	18.61		
	1:00	21.88				14	18.39		
	1:10	21.75				15	18.17		
	1:20	21.64				16	17.95		
	1:30	21.54				17	17.80		
	1:40	21.45				18	17.61		
	1:50	21.37				19	17.45		
	2:00	21.31			1020	20	17.29		
	2:10	21.24				25	16.54		
	2:20	21.20			1030	30	16.03		
	2:30	21.15				40	15.29		
	2:40	21.11				50	14.81		
	2:50	21.06			1100	60	14.53		
	3:00	21.03			1130	90	14.09		
	3:10	20.98						END TEST	
	3:20	20.94						Follow up measurement!	
	3:30	20.92			1200	480	13.13		
	3:40	20.89							
	3:50	20.85							
	4:00	20.81							
	4:10	20.78							
	4:20	20.76							
	4:30	20.73							
	4:40	20.70							
	4:50	20.67							
1005	5:00	20.64							
	5:30	20.56							
	6:00	20.46							
	6:30	20.34							
	7:00	20.19							
	7:30	20.04							
	8:00	19.86							
	8:30	19.71							

FIELD PERMEABILITY (SLUG) TEST

WELL ID: *MW-115*

Project No: <i>30447</i>	Project Name: <i>Forbes Atlas 5-5</i>
Well Location: N (ft): _____ ; E (ft): _____	Elevation (TOC): _____
Well Depth: <i>24.89</i> feet <i>bloc</i>	Static Water Level: <i>15.19</i>
Boring Diameter: <i>6</i> -inch	Casing Diameter: <i>2</i> inch
Casing Material: <i>PVC</i>	Footage Slotted: <i>5'</i>
Date of Test: <i>7-12-16</i>	Type of Test: <i>Rising head</i>

Remarks: *Bail well down w/ disposable bailer & monitor recovery w/ WL indicator.*
90% recovery = 16.04' bloc, Bailed 2.5 gal

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
<i>1400</i>	<i>:0</i>	<i>23.74</i>				<i>9:00</i>	<i>19.23</i>		
	<i>:10</i>	<i>23.46</i>				<i>9:30</i>	<i>19.14</i>		
	<i>:20</i>	<i>23.26</i>			<i>1410</i>	<i>10</i>	<i>19.06</i>		
	<i>:30</i>	<i>23.06</i>				<i>11</i>	<i>18.91</i>		
	<i>:40</i>	<i>22.89</i>				<i>12</i>	<i>18.76</i>		
	<i>:50</i>	<i>22.71</i>				<i>13</i>	<i>18.64</i>		
	<i>1:00</i>	<i>22.59</i>				<i>14</i>	<i>18.52</i>		
	<i>1:10</i>	<i>22.44</i>				<i>15</i>	<i>18.40</i>		
	<i>1:20</i>	<i>22.32</i>				<i>16</i>	<i>18.30</i>		
	<i>1:30</i>	<i>22.19</i>				<i>17</i>	<i>18.19</i>		
	<i>1:40</i>	<i>22.06</i>				<i>18</i>	<i>18.09</i>		
	<i>1:50</i>	<i>21.96</i>				<i>19</i>	<i>17.99</i>		
	<i>2:00</i>	<i>21.84</i>			<i>1420</i>	<i>20</i>	<i>17.90</i>		
	<i>2:10</i>	<i>21.72</i>				<i>25</i>	<i>17.50</i>		
	<i>2:20</i>	<i>21.62</i>			<i>1430</i>	<i>30</i>	<i>17.22</i>		
	<i>2:30</i>	<i>21.50</i>			<i>1440</i>	<i>40</i>	<i>16.69</i>		
	<i>2:40</i>	<i>21.35</i>			<i>1450</i>	<i>50</i>	<i>16.39</i>		
	<i>2:50</i>	<i>21.21</i>			<i>1500</i>	<i>60</i>	<i>16.11</i>		
	<i>3:00</i>	<i>21.08</i>			<i>1510</i>	<i>70</i>	<i>15.91</i>		
	<i>3:10</i>	<i>20.95</i>							
	<i>3:20</i>	<i>20.84</i>							
	<i>3:30</i>	<i>20.73</i>							
	<i>3:40</i>	<i>20.65</i>							
	<i>3:50</i>	<i>20.56</i>							
	<i>4:00</i>	<i>20.48</i>							
	<i>4:10</i>	<i>20.40</i>							
	<i>4:20</i>	<i>20.36</i>							
	<i>4:30</i>	<i>20.29</i>							
	<i>4:40</i>	<i>20.22</i>							
	<i>4:50</i>	<i>20.16</i>							
<i>1405</i>	<i>5:00</i>	<i>20.11</i>							
	<i>5:30</i>	<i>19.97</i>							
	<i>6:00</i>	<i>19.85</i>							
	<i>6:30</i>	<i>19.74</i>							
	<i>7:00</i>	<i>19.62</i>							
	<i>7:30</i>	<i>19.52</i>							
	<i>8:00</i>	<i>19.42</i>							
	<i>8:30</i>	<i>19.31</i>							

END TEST
Follow up measurement:
1825 265 15.22

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-125

Project No: 80447	Project Name: Forbes Atlas 5-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 27.09 feet btoe	Static Water Level: 17.79' btoe
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 10.0'
Date of Test: 7-12-16	Type of Test: Rising Head
Remarks: Bail well down w/ disposable bailer & monitor recovery w/ WL indicator.	

90% Recovery = 18.60' btoe, Bailed 2.5 gal

Actual Time	Elapsed Time (Hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (Hours)	Water Level	Water Level Change	Delta
1525	0	25.85				9:00	21.21		
	:10	25.34				9:30	21.16		
	:20	25.00			1535	10	21.11		
	:30	24.70				11	21.01		
	:40	24.41				12	20.91		
	:50	24.15				13	20.84		
	1:00	23.90				14	20.76		
	1:10	23.65			1540	15	20.68		
	1:20	23.46				16	20.62		
	1:30	23.28				17	20.56		
	1:40	23.12				18	20.50		
	1:50	23.00				19	20.45		
	2:00	22.87			1545	20	20.38		
	2:10	22.76				25	20.12		
	2:20	22.66			1555	30	19.93		
	2:30	22.60			1605	40	19.59		
	2:40	22.53			1615	50	19.33		
	2:50	22.46			1625	60	19.10		
	3:00	22.40			1655	90	18.66		
	3:10	22.35			1705	100	18.58		
	3:20	22.29			- END TEST -				
	3:30	22.25			Follow up measurement:				
	3:40	22.21			1830	185	18.07		
	3:50	22.15							
	4:00	22.10							
	4:10	22.06							
	4:20	22.01							
	4:30	21.97							
	4:40	21.92							
	4:50	21.88							
1530	5:00	21.84							
	5:30	21.73							
	6:00	21.65							
	6:30	21.55							
	7:00	21.48							
	7:30	21.41							
	8:00	21.33							
	8:30	21.26							

FIELD PERMEABILITY (SLUG) TEST

WELL ID: MW-135

Project No: 80447	Project Name: Forbes Atlas S-5
Well Location: N (ft): ; E (ft):	Elevation (TOC):
Well Depth: 19.78 feet btoe	Static Water Level: 9.94' btoe
Boring Diameter: 6 -inch	Casing Diameter: 2 inch
Casing Material: PVC	Footage Slotted: 10'
Date of Test: 7-12-16	Type of Test: Rising Head

Remarks: Bail well w/ disposable bailer & monitor recovery w/ WL indicator.
 90% Recovery = 10.77' btoe, Bailed: 3.5 gal

Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta	Actual Time	Elapsed Time (hours)	Water Level	Water Level Change	Delta
1715	0	18.20				9:00	13.27		
	:10	17.55				9:30	13.20		
	:20	17.11			1725	10	13.16		
	:30	16.70				11	13.08		
	:40	16.31				12	12.99		
	:50	15.94				13	12.91		
	1:00	15.48				14	12.84		
	1:10	15.30			1730	15	12.78		
	1:20	15.00				16	12.71		
	1:30	14.77				17	12.65		
	1:40	14.60				18	12.60		
	1:50	14.48				19	12.55		
	2:00	14.36			1735	20	12.51		
	2:10	14.33			1740	25	12.30		
	2:20	14.30			1745	30	12.14		
	2:30	14.25				40	11.86		
	2:40	14.21				50	11.65		
	2:50	14.17			1805	60	11.49		
	3:00	14.14			1845	90	11.09		
	3:10	14.11			1915	120	10.89		
	3:20	14.09							
	3:30	14.07							
	3:40	14.04							
	3:50	14.01							
	4:00	13.99							
	4:10	13.97							
	4:20	13.95							
	4:30	13.93							
	4:40	13.91							
	4:50	13.88							
1720	5:00	13.86							
	5:30	13.80							
	6:00	13.71							
	6:30	13.60							
	7:00	13.54							
	7:30	13.45							
	8:00	13.40							
	8:30	13.33							

- END TEST -