

STATE OF NORTH DAKOTA
BOARD OF WATER WELL CONTRACTORS
 900 E. BOULEVARD AVE., DEPT. 770 • BISMARCK, NORTH DAKOTA 58505-0850

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Board of Water Well Contractors within 30 days after completion or abandonment of the well.

RECEIVED

OCT 05 2021

ND DEPT. OF WATER RESOURCES

1. WELL OWNER Name <u>Secure Energy Services USA LLC</u> Address <u>555 17th St Suite 900</u> <u>Denver CO. 80202</u>	7. WATER LEVEL Static water level <u>217</u> feet below surface If flowing: closed-in pressure _____ psi GPM flow _____ through _____ inch pipe Controlled by: ☐ Valve ☐ Reducers ☐ Other If other, specify _____																																																					
2. WELL LOCATION Sketch map location must agree with written location. 1 MILE Sec. (1 mile) County <u>Montreal</u> <u>1/4 SW 1/4 SW 1/4 Sec. 35 Twp. 154N Rg. 91W.</u>	8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Other Pumping level below land surface: <u>235</u> ft. after <u>24</u> hrs. pumping <u>10</u> gpm _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm																																																					
3. PROPOSED USE ☐ Domestic ☐ Geothermal ☐ Monitoring ☐ Stock ☐ Irrigation ☒ Industrial ☐ Municipal ☐ Test Hole	9. WELL LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Formation</th> <th colspan="2">Depth (ft.)</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr><td>Topsoil</td><td>0</td><td>5</td></tr> <tr><td>Brown Clay</td><td>5</td><td>78</td></tr> <tr><td>sandstone</td><td>78</td><td>80</td></tr> <tr><td>coal (water)</td><td>80</td><td>81</td></tr> <tr><td>Brown Clay</td><td>81</td><td>115</td></tr> <tr><td>coal (water)</td><td>115</td><td>116</td></tr> <tr><td>Brown - Tan clay</td><td>116</td><td>130</td></tr> <tr><td>Grey clay</td><td>130</td><td>155</td></tr> <tr><td>coal</td><td>155</td><td>156</td></tr> <tr><td>Grey clay</td><td>156</td><td>192</td></tr> <tr><td>siltstone</td><td>192</td><td>194</td></tr> <tr><td>coal</td><td>194</td><td>200</td></tr> <tr><td>Tan clay</td><td>200</td><td>204</td></tr> <tr><td>Sandy Blue clay</td><td>204</td><td>225</td></tr> <tr><td>Hard sandstone</td><td>225</td><td>239</td></tr> <tr><td>Blue sand water</td><td>239</td><td>260</td></tr> </tbody> </table> (Use separate sheet if necessary)	Formation	Depth (ft.)		From	To	Topsoil	0	5	Brown Clay	5	78	sandstone	78	80	coal (water)	80	81	Brown Clay	81	115	coal (water)	115	116	Brown - Tan clay	116	130	Grey clay	130	155	coal	155	156	Grey clay	156	192	siltstone	192	194	coal	194	200	Tan clay	200	204	Sandy Blue clay	204	225	Hard sandstone	225	239	Blue sand water	239	260
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4. METHOD DRILLED ☐ Cable ☐ Reverse Rotary ☐ Bored ☒ Forward Rotary ☐ Jetted ☐ Auger If other, specify _____	10. DATE COMPLETED <u>9-26-14</u>																																																					
5. WATER QUALITY Was a water sample collected for: Chemical Analysis? ☐ Yes ☐ No Bacteriological Analysis? ☐ Yes ☐ No If so, to what laboratory was it sent? _____	11. WAS WELL PLUGGED OR ABANDONED? ☐ Yes ☒ No If so, how _____																																																					
6. WELL CONSTRUCTION Diameter of hole <u>6</u> inches. Depth <u>260</u> feet. Casing: ☒ Steel ☒ Plastic ☐ Concrete ☐ Threaded ☐ Welded ☐ Other If other, specify _____ <table border="0" style="width: 100%;"> <tr> <td>Pipe Weight:</td> <td>Diameter:</td> <td>From:</td> <td>To:</td> </tr> <tr> <td><u>28</u> lb/ft</td> <td><u>6</u> inches</td> <td><u>12</u> feet</td> <td><u>238</u> feet</td> </tr> <tr> <td><u>54.42</u> lb/ft</td> <td><u>4</u> inches</td> <td><u>20</u> feet</td> <td><u>260</u> feet</td> </tr> <tr> <td>_____ lb/ft</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </table> Was perforated pipe used? ☐ Yes ☒ No Perforated pipe set from _____ ft. to _____ feet Was casing left open end? ☐ Yes ☒ No Was a well screen installed? ☒ Yes ☐ No Material <u>PVC</u> Diameter <u>4</u> inches Slot Size <u>1025</u> set from <u>240</u> feet to <u>260</u> feet Slot Size _____ set from _____ feet to _____ feet Was packer or seal used? ☐ Yes ☒ No If so, what material _____ Depth _____ ft. Type of well: Straight screen ☐ Gravel packed ☒ Depth grouted: From <u>0</u> To <u>240</u> Grouting Material: Cement _____ Other <u>Bentonite</u> If other, explain: _____ Well head completion: Pitless unit <u>yes</u> 12" above grade _____ Other <u>2'</u> If other, specify _____ Was pump installed? ☒ Yes ☐ No Was well disinfected upon completion? ☒ Yes ☐ No	Pipe Weight:	Diameter:	From:	To:	<u>28</u> lb/ft	<u>6</u> inches	<u>12</u> feet	<u>238</u> feet	<u>54.42</u> lb/ft	<u>4</u> inches	<u>20</u> feet	<u>260</u> feet	_____ lb/ft	_____ inches	_____ feet	_____ feet	12. REMARKS: <u>Well recovered to 217' in 3 minutes</u> <u>second well Related to WP# 6595</u>																																					
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13. DRILLER'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>Diamond M Drilling Inc 200</u> Driller's or Firm's Name Certificate No. <u>P.O. Box 1124 Bozeman MT 59711</u> Address <u>Bill Maxwell</u> <u>9-26-14</u> Signed by Date	13. DRILLER'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>Diamond M Drilling Inc 200</u> Driller's or Firm's Name Certificate No. <u>P.O. Box 1124 Bozeman MT 59711</u> Address <u>Bill Maxwell</u> <u>9-26-14</u> Signed by Date																																																					