

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location <u>SW 1/4 NE 1/4</u> Sec <u>2</u> Twp <u>123</u> Rg <u>59N</u> County <u>Day</u> GPS Coordinates Lat: _____ Lon: _____ Please mark well location with an "X" on section grid North <table border="1" style="margin: auto;"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>X</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table> W E Well completion Date <u>10-18-24</u> Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.) _____ ft. from _____ (identify source)											X						Well Owner: <u>Loren Helmer</u> Business Name: _____ Address: <u>41514 135th St</u> City, State, Zip: <u>Ambler SD 57422</u> <table border="1" style="width:100%; border-collapse: collapse;"><tr><th colspan="2">WELL LOG:</th><th colspan="2">DEPTH</th></tr><tr><th>FORMATION</th><th>FROM</th><th>TO</th><th></th></tr><tr><td>Top soil</td><td>0</td><td>2</td><td></td></tr><tr><td>Yellow clay</td><td>2</td><td>15</td><td></td></tr><tr><td>Blue clay</td><td>15</td><td>20</td><td></td></tr><tr><td>Sand</td><td>20</td><td>30</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table> PROPOSED USE: <table border="0"><tr><td>☒ Domestic/Stock</td><td>☐ Municipal</td><td>☐ Business</td><td>☐ Monitoring Well</td></tr><tr><td>☐ Irrigation</td><td>☐ Industrial</td><td>☐ Institutional</td><td>☐ Test Hole</td></tr><tr><td>☐ Dewatering Well</td><td>☐ Geothermal</td><td>☐ Other _____</td><td></td></tr></table> METHOD OF DRILLING: CASING DATA: ☐ Steel ☒ Plastic ☐ Other If other describe <u>Forward</u> <table border="1" style="width:100%; border-collapse: collapse;"><tr><th>PIPEWEIGHT</th><th>DIAMETER</th><th>FROM</th><th>TO</th><th>HOLE DIAMETER</th></tr><tr><td>200 LB/FT</td><td>5 IN</td><td>72 FT</td><td>20 FT</td><td>9 3/4 IN</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> GROUTING DATA: <table border="1" style="width:100%; border-collapse: collapse;"><tr><th>Grout Type</th><th>No. of Sacks</th><th>Grout Weight</th><th>From</th><th>To</th></tr><tr><td>BENTONITE</td><td>3</td><td>50 Lb/gal</td><td>20 Ft</td><td>0 Ft</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> Describe grouting procedure _____ SCREEN: ☐ Perforated pipe ☐ Manufactured Diameter <u>5</u> Inches Length <u>10</u> Feet Material <u>Plastic</u> Slot Size <u>18</u> Set From <u>20</u> Feet to <u>30</u> Feet Other information _____ WAS A PACKER OR SEAL USED? ☐ Yes ☐ No If so, what material? _____ Describe packer(s) and location _____ DISINFECTION: Was well disinfected upon completion? ☒ Yes, How? <u>chlorine</u> ☐ No, Why Not? _____ Lab sample sent to for water quality analysis _____	WELL LOG:		DEPTH		FORMATION	FROM	TO		Top soil	0	2		Yellow clay	2	15		Blue clay	15	20		Sand	20	30																										☒ Domestic/Stock	☐ Municipal	☐ Business	☐ Monitoring Well	☐ Irrigation	☐ Industrial	☐ Institutional	☐ Test Hole	☐ Dewatering Well	☐ Geothermal	☐ Other _____		PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER	200 LB/FT	5 IN	72 FT	20 FT	9 3/4 IN											Grout Type	No. of Sacks	Grout Weight	From	To	BENTONITE	3	50 Lb/gal	20 Ft	0 Ft						STATIC WATER LEVEL <u>8 FT</u> FEET If flowing: closed in pressure _____ PSI GPM flow _____ through _____ Inch pipe Controlled by ☐ Valve ☐ Reducers ☐ Other _____ Reduced flow rate _____ GPM Can well be completely shut in? _____ WELL TEST DATA: ☐ Pumped Describe: <u>Air Pumped 100GPM</u> ☐ Bailed ☒ Air ☐ Other _____ Pumping Level Below Land Surface <table border="0"><tr><td>_____ Ft. After _____ Hrs. pumped _____ GPM</td></tr><tr><td>_____ Ft. After _____ Hrs. pumped _____ GPM</td></tr></table> If pump installed, pump rate: _____ GPM RECEIVED JAN 02 2024 OFFICE OF WATER This well was drilled under license # <u>209</u> And this report is true and accurate. Drilling firm: <u>Lewis Well Drilling</u> Signature of License Representative: <u>Brin Lewis</u> Signature of Well Owner or Equitable Property Holder: <u>Loren Helmer</u> Date: <u>10-28-2024</u>	_____ Ft. After _____ Hrs. pumped _____ GPM	_____ Ft. After _____ Hrs. pumped _____ GPM
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Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501