

WELL ABANDONMENT RECORD

Well Location: Twp: 146 Rng: 87 Sec. 8 Qtr. SE Qtr. NE Qtr. NE

Well ID: _____ Well Owner: LAKE SHORE ESTATES-

Plugged By: JOHN MOHL MOHL DRILLING, INC. #105 Date: 08-03-2016

Casing Diam. 5"-20' 4"-420 Length: 2"-404-1240' Material: _____

Static Water Level: Flowing Well

Material Removed: _____

Plugging Material: Neat Cement w Polymer, Bentonite Amount: 69 BAGS

Depth of Each Layer of Plugging Material: _____

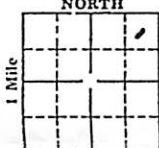
Method of Placing Plugging Material: Pressure Grouted with
Chem Grout - 550 Grout Pump to 90 PSI

Comments: Grouted outside of well 07.06.07.08.2016
Grouted Inside of well. 08.03.2016

STATE OF NORTH DAKOTA
BOARD OF WATER WELL CONTRACTORS
900 E. BOULEVARD • BISMARCK, NORTH DAKOTA 58501

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.

1. WELL OWNER Name <u>Lake Shore Subdivision</u> Address <u>Mercer County North Dakota</u>	7. WATER LEVEL Static water level <u>Flowing</u> feet below land surface If flowing: closed-in pressure <u>70</u> psi GPM flow <u>70</u> through <u>2</u> inch pipe Controlled by: ☒ Valve ☐ Reducers ☐ Other If other, specify _____																																																																																
2. WELL LOCATION Sketch map location must agree with written location.  1 Mile County <u>Mercer</u> Sec. <u>11</u> Twp. <u>146</u> N. Rg. <u>87</u> W.	8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Other Pumping level below land surface: _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm																																																																																
3. PROPOSED USE ☐ Domestic ☐ Geothermal ☐ Irrigation ☐ Monitoring ☐ Industrial ☐ Stock ☐ 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>Surface Soil</td><td>0</td><td>4</td></tr> <tr><td>Yellow clay</td><td>4</td><td>56</td></tr> <tr><td>Gray soft clay</td><td>56</td><td>124</td></tr> <tr><td>Gravel</td><td>124</td><td>163</td></tr> <tr><td>Soft blue shale</td><td>163</td><td>197</td></tr> <tr><td>Coal</td><td>197</td><td>207</td></tr> <tr><td>Gray shale soft</td><td>207</td><td>336</td></tr> <tr><td>Sandstone</td><td>336</td><td>354</td></tr> <tr><td>Hardrock</td><td>354</td><td>356</td></tr> <tr><td>Sandstone</td><td>356</td><td>414</td></tr> <tr><td>Gray shale</td><td>414</td><td>436</td></tr> <tr><td>Coal</td><td>436</td><td>441</td></tr> <tr><td>Gray shale</td><td>441</td><td>587</td></tr> <tr><td>Sandstone</td><td>587</td><td>607</td></tr> <tr><td>Gray shale</td><td>607</td><td>626</td></tr> <tr><td>Hardrock</td><td>626</td><td>634</td></tr> <tr><td>Light blue shale</td><td>634</td><td>641</td></tr> <tr><td>Hard rock</td><td>641</td><td>643</td></tr> <tr><td>Blueshale</td><td>643</td><td>738</td></tr> <tr><td>Sandstone</td><td>738</td><td>754</td></tr> <tr><td>Light blue shale</td><td>754</td><td>769</td></tr> <tr><td>Sandstone</td><td>769</td><td>776</td></tr> <tr><td>Hardrock</td><td>776</td><td>777</td></tr> <tr><td>Blueshale</td><td>777</td><td>822</td></tr> <tr><td>Coal</td><td>822</td><td>885</td></tr> </tbody> </table>	Formation	Depth (ft.)		From	To	Surface Soil	0	4	Yellow clay	4	56	Gray soft clay	56	124	Gravel	124	163	Soft blue shale	163	197	Coal	197	207	Gray shale soft	207	336	Sandstone	336	354	Hardrock	354	356	Sandstone	356	414	Gray shale	414	436	Coal	436	441	Gray shale	441	587	Sandstone	587	607	Gray shale	607	626	Hardrock	626	634	Light blue shale	634	641	Hard rock	641	643	Blueshale	643	738	Sandstone	738	754	Light blue shale	754	769	Sandstone	769	776	Hardrock	776	777	Blueshale	777	822	Coal	822	885
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5. WATER QUALITY Was a water sample collected for chemical analysis? ☐ Yes ☐ No If so, to what laboratory was it sent _____	10. DATE COMPLETED <u>May 2, 1986</u>																																																																																
6. WELL CONSTRUCTION Diameter of hole <u>4 1/2</u> inches. Depth <u>1245</u> feet. Casing: ☐ Steel ☐ Plastic ☐ Concrete ☐ Threaded ☐ Welded ☐ Other If other, specify _____ <table style="width: 100%;"> <tr> <th>Pipe Weight:</th> <th>Diameter:</th> <th>From:</th> <th>To:</th> </tr> <tr> <td><u>16</u> lb/ft.</td> <td><u>5</u> inches</td> <td><u>0</u> feet</td> <td><u>20</u> feet</td> </tr> <tr> <td><u>11</u> lb/ft.</td> <td><u>4</u> inches</td> <td><u>20</u> feet</td> <td><u>420</u> feet</td> </tr> <tr> <td><u>3 1/2</u> lb/ft.</td> <td><u>2</u> inches</td> <td><u>420</u> feet</td> <td><u>1245</u> feet</td> </tr> </table> Was perforated pipe used? ☒ Yes ☐ No Perforated pipe set from _____ ft to <u>112</u> feet Was casing left open end? ☒ Yes ☐ No Was a well screened installed? ☐ Yes ☒ No Material _____ Diameter _____ inches (stainless steel, bronze, etc.) Slot size <u>6" x 1/2"</u> set from <u>112</u> feet to <u>1236</u> feet Slot size _____ set from _____ feet to _____ feet Was a packer or seal used? ☒ Yes ☐ No If so, what material <u>end 1/2" to 2" Steel flange lever</u> Depth _____ Ft. Type of well: Straight screen ☐ Gravel packed ☒ Depth grouted: From <u>0</u> To <u>420</u> Grouting Material: Cement ☒ Other _____ If other explain: _____ Well head completion: Pitless unit <u>no</u> <u>12"</u> above grade ☒ Other _____ If other, specify _____ Was pump installed: ☐ Yes ☐ No Was well disinfected upon completion? ☐ Yes ☒ No	Pipe Weight:	Diameter:	From:	To:	<u>16</u> lb/ft.	<u>5</u> inches	<u>0</u> feet	<u>20</u> feet	<u>11</u> lb/ft.	<u>4</u> inches	<u>20</u> feet	<u>420</u> feet	<u>3 1/2</u> lb/ft.	<u>2</u> inches	<u>420</u> feet	<u>1245</u> feet	11. WAS WELL PLUGGED OR ABANDONED? ☐ Yes ☐ No If so, how _____																																																																
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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>Harlan Jones Drilling</u> 112 Driller's or Firm's Name _____ Certificate No. _____ <u>For 488 Broadus, Montana 59317</u> Address _____ Signed by <u>Harlan E. Jones</u> Date <u>6-20-86</u>	12. REMARKS: 																																																																																

WELL DRILLER'S REPORT

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