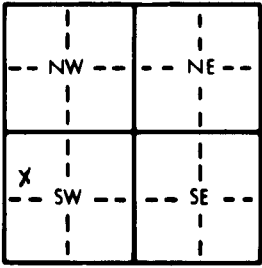


1 LOCATION OF WATER WELL: County: <b>Stevens</b>		Fraction <b>SW</b> ¼ <b>NW</b> ¼ <b>SW</b> ¼		Section Number <b>29</b>		Township Number T <b>34</b> S		Range Number R <b>37W</b> E <b>(W)</b>																																																																																					
Distance and direction from nearest town or city street address of well if located within city? <b>Liberal, Kansas - 24 miles West - 1½ miles North - East into location</b>																																																																																													
2 WATER WELL OWNER: <b>Lyle Sturdy</b> RR#, St. Address, Box #: <b>1112 South Monroe</b> City, State, ZIP Code: <b>Hugoton, KS</b>					Mobil Oil Corp./ Unit #19 Board of Agriculture, Division of Water Resources Application Number: <b>T 88-187</b>																																																																																								
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: <div style="text-align: center;">  </div>			4 DEPTH OF COMPLETED WELL: <b>340'</b> ft. ELEVATION: Depth(s) Groundwater Encountered 1. <b>137'</b> ft. 2. <b>137'</b> ft. 3. <b>137'</b> ft. WELL'S STATIC WATER LEVEL <b>137'</b> ft. below land surface measured on mo/day/yr <b>04/11/88</b> Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter: <b>9"</b> in. to <b>340'</b> ft., and _____ in. to _____ ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot <b>6 Oil field water supply</b> 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well Was a chemical/bacteriological sample submitted to Department? Yes _____ No <b>X</b> _____; If yes, mo/day/yr sample was submitted _____ Water Well Disinfected? Yes <b>X</b> No																																																																																										
5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued _____ Clamped _____ <b>2 PVC</b> 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____ 7 Fiberglass Threaded _____ Blank casing diameter <b>5.563</b> in. to <b>220'</b> ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft. Casing height above land surface <b>28</b> in., weight <b>2.93</b> lbs./ft. Wall thickness or gauge No. <b>265</b> TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) _____ 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped <b>8 Saw cut</b> 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify) _____ SCREEN-PERFORATED INTERVALS: From <b>220'</b> ft. to <b>340'</b> ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <b>20'</b> ft. to <b>120'</b> ft., From <b>130'</b> ft. to <b>340'</b> ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft.																																																																																													
6 GROUT MATERIAL: <b>1 Neat cement</b> 2 Cement grout <b>3 Bentonite</b> 4 Other _____ Grout Intervals: From <b>0'</b> ft. to <b>6'</b> ft., From <b>6'</b> ft. to <b>20'</b> ft., From <b>120'</b> ft. to <b>130'</b> ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage <b>15 Oil well/Gas well</b> 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) _____ 13 Insecticide storage _____ Direction from well? <b>Southeast</b> How many feet? <b>160'</b>																																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> </tr> </thead> <tbody> <tr><td>0</td><td>2</td><td>Surface</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>21</td><td>Sandy Clay</td><td></td><td></td><td></td></tr> <tr><td>21</td><td>77</td><td>Caliche</td><td></td><td></td><td></td></tr> <tr><td>77</td><td>82</td><td>Clay</td><td></td><td></td><td></td></tr> <tr><td>82</td><td>104</td><td>Sandy Clay</td><td></td><td></td><td></td></tr> <tr><td>104</td><td>136</td><td>Caliche</td><td></td><td></td><td></td></tr> <tr><td>136</td><td>148</td><td>Sandy Clay</td><td></td><td></td><td></td></tr> <tr><td>148</td><td>178</td><td>20% Sandy Clay - 80% Caliche</td><td></td><td></td><td></td></tr> <tr><td>178</td><td>197</td><td>75% Sandy Clay - 25% Caliche</td><td></td><td></td><td></td></tr> <tr><td>197</td><td>204</td><td>Fine Sand</td><td></td><td></td><td></td></tr> <tr><td>204</td><td>237</td><td>40% Fine Sand - 60% Sandy Clay</td><td></td><td></td><td></td></tr> <tr><td>237</td><td>286</td><td>85% Fine Sand - 15% Sandy Clay</td><td></td><td></td><td></td></tr> <tr><td>286</td><td>340</td><td>Fine Sand</td><td></td><td></td><td></td></tr> </tbody> </table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	2	Surface				2	21	Sandy Clay				21	77	Caliche				77	82	Clay				82	104	Sandy Clay				104	136	Caliche				136	148	Sandy Clay				148	178	20% Sandy Clay - 80% Caliche				178	197	75% Sandy Clay - 25% Caliche				197	204	Fine Sand				204	237	40% Fine Sand - 60% Sandy Clay				237	286	85% Fine Sand - 15% Sandy Clay				286	340	Fine Sand			
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <b>(1) constructed</b> , (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <b>04/11/88</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <b>118</b> This Water Well Record was completed on (mo/day/yr) <b>04/13/88</b> under the business name of <b>Carlile Water Well Service, Inc.</b> by (signature) _____																																																																																													