

PERMIT #T-78-48

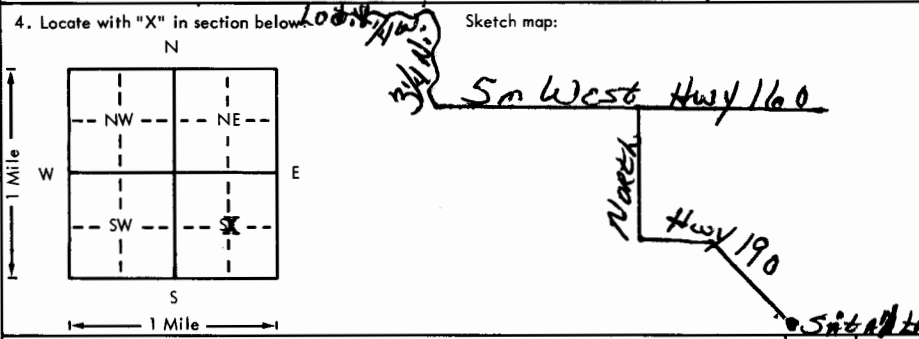
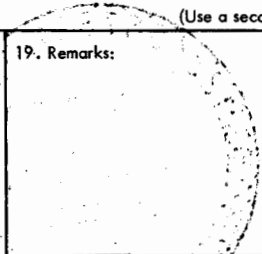
USE TYPEWRITER OR BALL  
POINT PEN-PRESS FIRMLY,  
PRINT CLEARLY.

WATER WELL RECORD  
KSA 82a-1201-1215

Kansas Department of Health and  
Environment-Division of Environment  
(Water well Contractors)  
Topeka, Kansas 66620

CWW Inv. #14373

Harms C-1

1. Location of well:	County <b>Grant</b>	Fraction 1/4 <b>1/4-SE</b> 1/4	Section number <b>13</b>	Township number T <b>28S</b> S	Range number R <b>36W</b> E/W
2. Distance and direction from nearest town or city: <b>From Satanta take Hwy 190 North to Hwy 160 then go 5m West - 3/4m. North - 2m. West to location.</b>			3. Owner of well: <b>Cities Service Oil Company</b> R.R. or street: <b>5345 N.W. 58th St.</b> City, state, zip code: <b>Oklahoma 73112</b>		
4. Locate with "X" in section below. Sketch map: 			6. Bore hole dia. <b>9</b> in. Completion date <b>3-11</b> Well depth <b>380</b> ft.		
5. Type and color of material			7. <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Reverse rotary		
Surface			8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input checked="" type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input checked="" type="checkbox"/> Oil field water <input type="checkbox"/> Other		
Sandy clay			9. Casing: Material <input type="checkbox"/> Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface <b>28</b> in. RMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Weight <b>2.78</b> lbs./ft. Dia. <b>5</b> in. to <b>275</b> ft. depth Wall Thickness: inches or Dia. <b>5</b> in. to <b>380</b> ft. depth gage No. <b>265</b>		
MEDIUM to large sand & Gravel			10. Screen: Manufacturer's name <b>Sawed perf.</b> Type <b>PVC</b> Dia. <b>5"</b> Slot/gauze Length <b>100'</b> Set between <b>275</b> ft. and <b>375</b> ft. ft. and _____ ft. Gravel pack? <b>yes</b> Size range of material <b>1/8-3/16</b>		
Blue clay			11. Static water level: _____ mo./day/yr. <b>250</b> ft. below land surface Date <b>3-11-78</b>		
Clay 60% and fine sand			12. Pumping level below land surfaces: _____ ft. after _____ hrs. pumping _____ g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m. Estimated maximum yield <b>40</b> g.p.m.		
Medium to large sand			13. Water sample submitted: _____ mo./day/yr. Yes <input checked="" type="checkbox"/> No _____ Date _____		
			14. Well head completion: <input type="checkbox"/> Pitless adapter <b>28</b> Inches above grade		
			15. Well grouted? <b>yes</b> With: <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From <b>0</b> ft. to <b>10</b> ft.		
			16. Nearest source of possible contamination: ft. <b>100</b> Direction <b>NE</b> Type <b>oilwell</b> Well disinfected upon completion? <input checked="" type="checkbox"/> Yes _____ No		
			17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name _____ Model number _____ HP _____ Volts _____ Length of drop pipe _____ ft. capacity _____ g.p.m. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other		
18. Elevation:			20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. <b>Carlile Water Well Service 118</b> Business name License No. _____ Address <b>Box 275, Liberal, Kansas</b> Signed <b>Edward E. Mearns</b> Date <b>3-22-78</b> Authorized representative		
19. Remarks: 					

28 36W 13 SE  
 T R E  
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 Sec