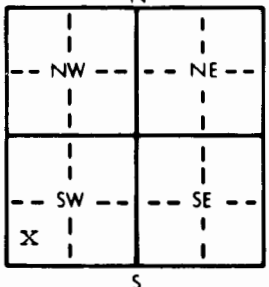


Distance and direction from nearest town or city street address of well if located within city?  
 Highway 54 and Western, Liberal, Kansas

WATER WELL OWNER: James Madden  
 RR#, St. Address, Box #: Madden Oil Company, P.O. Box 148  
 City, State, ZIP Code: 211 S. Kansas, Liberal, KS 67901  
 Board of Agriculture, Division of Water Resources  
 Application Number: Non 8-88 DJJ

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

DEPTH OF COMPLETED WELL: 280 ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. 153 ft. 2. ft. 3. ft.



WELL'S STATIC WATER LEVEL: 153 ft. below land surface measured on mo/day/yr 9-29-86  
 Pump test data: Well water was 30 ft. after 30 hours pumping 30 gpm  
 Est. Yield 30 gpm: Well water was 9" ft. after 280 hours pumping 9" gpm  
 Bore Hole Diameter: 9" in. to 280 ft., and in. to ft.  
 WELL WATER TO BE USED AS:  
 1 Domestic 3 Feedlot 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)  
 2 Irrigation 4 Industrial  
 Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yr sample was submitted  
 Water Well Disinfected? Yes No

TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded  
 7 Fiberglass Threaded  
 Blank casing diameter 5.563 in. to 180 ft. Dia. in. to ft. Dia. in. to ft.  
 Casing height above land surface 28 in. weight 2.93 lbs./ft. Wall thickness or gauge No. 265

TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 11 Other (specify)  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 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 240 ft. to 280 ft. From 160 ft. to 220 ft. From 140 ft. to 280 ft.  
 GRAVEL PACK INTERVALS:  
 From 25 ft. to 100 ft. From 110 ft. to 125 ft. From 140 ft. to 280 ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Hole Plug  
 Grout Intervals: From 4.5 ft. to 25 ft. From 100 ft. to 110 ft. From 125 ft. to 140 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 15 Oil well/Gas well  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)  
 13 Insecticide storage

Direction from well? Northwest of Water Well How many feet? 200'

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	2	surface			
2	21	sandy clay			
21	28	caliche			
28	35	sandy clay			
35	62	caliche			
62	89	med. to lar. sand, gravel, rock mixed			
89	106	clay			
106	112	med to lar. sand, rock mixed			
112	121	clay			
121	164	white clay			
164	218	med to lar. sand			
218	243	clay, loose			
243	280	med to large sand			

CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) September 29, 1986 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 118. This Water Well Record was completed on (mo/day/yr) 9-1-87 under the business name of Carlile Water Well Service, Inc. by (signature)