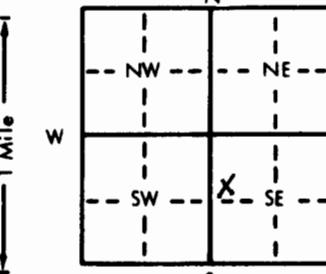
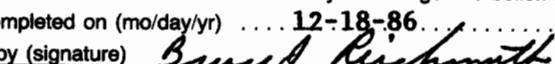


## WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL:		Fraction SW 1/4	NW 1/4	SE 1/4	Section Number 4	Township Number T 28 S	Range Number R 30 EW
Distance and direction from nearest town or city street address of well if located within city?							
Approx. 6 1/2 north and 1 1/2 east of Copeland							
2 WATER WELL OWNER: Robert Josserand				Board of Agriculture, Division of Water Resources			
RR#, St. Address, Box #: 333 Center				Application Number: 19,814			
City, State, ZIP Code: Hereford, TX 79045							
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL... 450' ft. ELEVATION: .....					
		Depth(s) Groundwater Encountered 1. .... ft. 2. .... ft. 3. .... ft. WELL'S STATIC WATER LEVEL ... 158. ft. below land surface measured on mo/day/yr 12/20/85. Pump test data: Well water was 221. ft. after 4. hours pumping 1700. gpm Est. Yield 2000. gpm: Well water was ..... ft. after ..... hours pumping ..... gpm Bore Hole Diameter 24. in. to 450'. 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 6 Oil field water supply 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 <input checked="" type="checkbox"/> ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
5 TYPE OF BLANK CASING USED:		5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued ..... Clamped .....			
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)	Welded <input checked="" type="checkbox"/> Threaded.....			
2 PVC	4 ABS	7 Fiberglass					
Blank casing diameter ... 16" in. to ... 450' ft., Dia..... in. to ..... ft., Dia..... in. to ..... ft.							
Casing height above land surface ... 12" in., weight ... 36.91 lbs./ft. Wall thickness or gauge No. ... 219w.							
TYPE OF SCREEN OR PERFORATION MATERIAL:							
1 Steel	3 Stainless steel	5 Fiberglass	7 PVC	10 Asbestos-cement			
2 Brass	4 Galvanized steel	6 Concrete tile	8 RMP (SR)	11 Other (specify) .....			
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. 207-227 ft. to ... 310-450 ft., From ..... ft. to ..... ft.							
From. 254-274 ft. to ..... ft., From ..... ft. to ..... ft.							
GRAVEL PACK INTERVALS: From. 10 ft. to ... 450 ft., From ..... ft. to ..... ft.							
From ..... ft. to ..... ft., From ..... ft. to ..... ft.							
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other .....							
Grout Intervals: From. 0 ft. to ... 10' ft., From ..... ft. to ..... ft., From ..... ft. to ..... 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 ... <b>None Observed</b> .....							
Direction from well?							
FROM	TO	LITHOLOGIC LOG		FROM	TO	LITHOLOGIC LOG	
See attached log							
7 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) ... 12-16-86 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ... 145 ..... This Water Well Record was completed on (mo/day/yr) ... 12-18-86 ..... under the business name of <b>Henkle Drilling &amp; Supply Co., Inc.</b> by (signature) 							
INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.							

## DRILLERS TEST LOG

CUSTOMERS NAME Robert Josserand DATE 8-13-85  
 STREET ADDRESS 333 Center ST. TEST # 2 E. LOG yes  
 CITY & STATE Hereford, TX 79045 DRILLER Livingston  
 COUNTY Gray QUARTER SE SECTION 4 TOWNSHIP 28 RANGE 30

LOCATION 1577' north of the SW corner of the 1/4

*Well Location*

% FOOTAGE	DESCRIPTION OF STRATA			Static Water Level _____
	From	Pay	To	Proposed Well Depth _____
0		2	Top soil	
2		16	Brown clay	
16		38	Brown sandy clay, calicke and fine sand streaks	
38		66	Sand, fine to medium, coarse	
66		107	Brown sandy clay, limerock and few sand streaks	
107		125	Sand, fine to medium, coarse, small to medium gravel	
125		129	Brown sandy clay, limerock	
129		157	Sand, fine to medium coarse, small gravel	
157		181	Brown sandy clay, limerock and few sand streaks	
70	181	19	200	Sand, fine to medium, coarse, small to medium gravel
65	200	27	227	Sand, fine to medium, coarse, small gravel and few medium gravel and clay streaks at 215'
	227		250	Brown sandy clay, limerock and fine sand streaks
15	250	17	267	Limeroock, chalk and sandy clay and fine sand streaks
45	267	10	277	Sand, fine to medium
	277		307	Brown sandy clay and few fine sand streaks
20	307	13	320	Sand, fine small and few clay streaks
45	320	23	343	Sand, fine to medium
	343		350	Brown clay and sand streaks
80	350	40	390	Sand, fine to medium, coarse, small to medium brown gravel and tan rock, very few clay streaks
15	390	30	420	Soapstone and sandstone and brown rock
25	420	27	447	Sandstone, brown rock and soapstone
	447		453	Soapstone, gray
453		460		Weathered shale and soapstone
	460		500	Gray shale and soapstone
				Total Depth 450'
				Set up east
				Pit on the south
				<b>RECEIVED</b>
				JUN 11 1986
				<b>BUREAU OF OIL FIELD &amp; ENVIRONMENTAL GEOLOGY</b>

GARDEN CITY, KS  
 Phone 276-3278  
 TEST HOLES \* \* \* \* \*

HENKLE DRILLING & SUPPLY CO., INC.  
 IRRIGATION HEADQUARTERS  
 \* \* \* \* \* IRRIGATION & INDUSTRIAL WELLS \* \* \* \* \*

SUBLETTE, KS  
 Phone 675-4311  
 STOCK WELLS