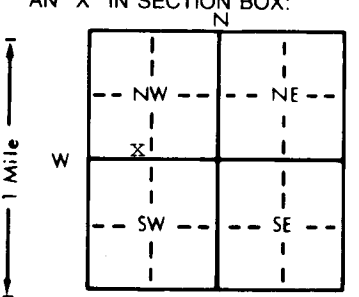


1 LOCATION OF WATER WELL: County: Grant Fraction: SE 1/4 SW 1/4 NW 1/4 Section Number: 33 Township Number: T 29 S Range Number: R 38 E/W

Distance and direction from nearest town or city street address of well if located within city? Approx. 6 1/2 miles south and 6 1/2 miles west of Ulysses

2 WATER WELL OWNER: Grant County Feeders RR#, St. Address, Box #: Box 447 City, State, ZIP Code: Ulysses, KS 67880 Board of Agriculture, Division of Water Resources Application Number: 39,613

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 460 ft. ELEVATION: _____ ft. Depth(s) Groundwater Encountered: 1. _____ ft. 2. _____ ft. 3. _____ ft. WELL'S STATIC WATER LEVEL: 100 ft. below land surface measured on mo/day/yr: 10/29/90 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm Est. Yield: 50 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter: 11 in. to 460 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 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes _____ No X; If yes, mo/day/yr sample was submitted _____ Water Well Disinfected? Yes X No _____

5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped _____ 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____ 7 Fiberglass Threaded _____ Blank casing diameter: 6 in. to 460 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft. Casing height above land surface: 12 in., weight 4.13 lbs./ft. Wall thickness or gauge No. 316w 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) _____ 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 10 Other (specify) _____ 7 Torch cut SCREEN-PERFORATED INTERVALS: From 230 ft. to 250 ft., From 340 ft. to 360 ft. From 380 ft. to 460 ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From 25 ft. to 460 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 5 ft. to 25 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 None Observed _____ Direction from well? _____ How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
		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) 10/27/90 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) 10/31/90 under the business name of Henkle Drilling & Supply Co., Inc. by (signature) Bruce J. Perchmitt

OFFICE USE ONLY

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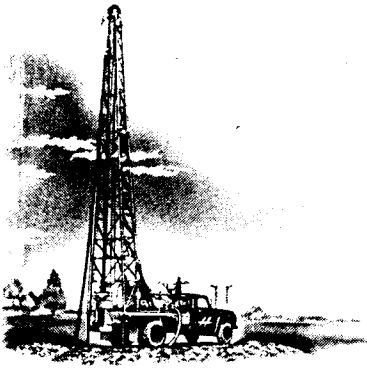
EW

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Henkle

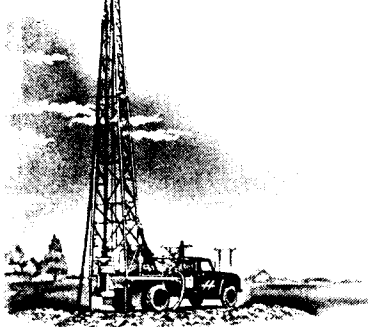
DRILLING & SUPPLY CO., INC.

3795 W. JONES AVE.
316/277-2389
FAX/277-0224

P.O. Box 639
GARDEN CITY, KANSAS 67846

CUSTOMER'S NAME Grant Co. Feeders DATE 10/24/90
 STREET ADDRESS P. O. Box 447 TEST # 1 E. LOG Yes
 CITY & STATE Ulysses, KS 67880 DRILLER Wildeman
 COUNTY Grant QUARTER NW SECTION 33 TOWNSHIP 29 RANGE 38
 LOCATION Well #5 SE Corner NW Quarter 2,720 N. 4,130 W. Well location

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL: <u>100'</u>	
	From	Pay	To		Proposed Well Depth: <u>460'</u>	
	0		1	Fine sand and fill		
	1		6	Dark brown clay		
	6		30	Brown silty clay		
	30		35	Sand fine to medium coarse (Very loose)		
	35		44	Light brown clay		
	44		46	Sand fine to medium coase		
	46		49	Light brown clay		
	49		60	Sand fine to medium coarse, clay layer at 51		
	60		65	Light brown clay		
	65		78	Brown and grey sandy clay		
	78		80	Limerock		
	80		93	sand fine to medium few coarse (loose)		
	93		120	Light brown clay		
	120		145	Brown sandy clay and few sand streaks.		
	145		158	Sand fine to medium few coarse and sandy clay streaks.		
	158		165	Brown clay		
	165		170	Brown clay and few sand streaks		
	170		180	Sand fine to medium		
	180		190	Brown clay		
	190		192	Sand fine to medium		
	192		207	Brown sandy clay, sand fine to small and a few cemented streaks.		
	207		221	Sandy clay and clay mixed.		
55	221	19	240	Sand fine to medium coarse and very tiny white rock.		
50	240	20	260	Sand fine to medium coarse, few small gravel and cly mixed (Drills tight.)		
	260		268	Brown clay		
	268		300	Brown sandy clay (firm) few sand layers (loose).		
	300		330	Brown sandy clay and a few sand streaks.		
45	330	10	340	Sand fine to medium and sandy clay.		
45	340	20	360	Sand fine to small with some coarse sand and sandy clay.		
55	360	15	375	Sand fine to medium brown rock.		
	375		380	Limerock (Very hard)		
40	380	20	400	Brown clay and brown rock.		
25	400	58	458	Brown clay and few limerock ledges and sand stone.		
	458		463	Limestone and yellow soapstone.		
						Well Depth = 460'
				Test hole had a lot of sluffin clay.		



Henkle

DRILLING & SUPPLY CO., INC.

3795 W. JONES AVE.
316/277-2389
FAX/277-0224

P.O. Box 639
GARDEN CITY, KANSAS 67846

CUSTOMER'S NAME Grant Co. Feeders DATE 10/26/90
 STREET ADDRESS P.O. Box 447 TEST # 1 E. LOG Yes
 CITY & STATE Ulysses KS 67880 DRILLER Wildeman
 COUNTY Grant QUARTER NW SECTION 33 TOWNSHIP 29 RANGE 38
 LOCATION Well #5

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL:	
	From	Pay	To		Proposed Well Depth:	
				6" Perf	Plain	
	460		380	80'		
	380		360		20'	
	360		340	20'		
	340		250		90'	
	250		230	20'		
	230		0		230	
				120	340	= 460 T.D.
				4 - Bags of Quick Gel		
				3½ - Bags of Hi-Tec		
				340'-6" Plain		
				120'-6" Caps		
				9 - Centralizers		
				11 - Tons of #1 Fine (Huber Sand)		
				14 - Bags of Hole plug		
				Gravel from 460' - 25'		
				Hole Plug from 25' - 7'		
				Airlifted well at 360' for 1 hour.		