

1 LOCATION OF WATER WELL: County: <b>Butler</b>	Fraction <b>SE 1/4 SW 1/4 NE 1/4</b>	Section Number <b>30</b>	Township Number <b>T 24 S</b>	Range Number <b>R 4 E</b>
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Distance and direction from nearest town or city street address of well if located within city?

1/4 south of Potwin

2 WATER WELL OWNER: <b>James E. Hinnen</b> RR#, St. Address, Box # : <b>3036 Ole Court NE</b> City, State, ZIP Code : <b>Albuquerque, NM 87111</b>	Board of Agriculture, Division of Water Resources Application Number:
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: <b>80 ft.</b> ELEVATION: <b>1321.7</b>
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1 Mile

W E

NW	NE
SW	SE

S

Depth(s) Groundwater Encountered 1. **21.99** ft. 2. .... ft. 3. .... ft.

WELL'S STATIC WATER LEVEL **21.99** ft. below land surface measured on mo/day/yr **6/13/88**

Pump test data: Well water was .... ft. after .... hours pumping .... gpm

Est. Yield **.93** gpm: Well water was .... ft. after .... hours pumping .... gpm

Bore Hole Diameter **7.7/8** in. to **80** ft. and **12 1/4** in. to **80** 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
2 Irrigation	4 Industrial	7 Lawn and garden only
		<b>10 Observation well</b>

Was a chemical/bacteriological sample submitted to Department? Yes.....No.....X.....; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes No

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)
2 PVC	4 ABS	7 Fiberglass	Welded ....
Blank casing diameter <b>See attached note</b> ft. Dia. .... in. to .... ft. Dia. .... in. to .... ft.			Threaded ....
Casing height above land surface <b>1.99 ft.</b> in. weight <b>8" PVC Sched. 40</b> lbs./ft. Wall thickness or gauge No. ....			
TYPE OF SCREEN OR PERFORATION MATERIAL:	8" steel 28#	7 PVC	10 Asbestos-cement
1 Steel	3 Stainless steel	8 RMP (SR)	11 Other (specify)
2 Brass	<b>4 Galvanized steel</b>	9 ABS	12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
<b>1 Continuous slot</b>	6 Wire wrapped	9 Drilled holes	
2 Covered shutter	7 Torch cut	10 Other (specify)	
4 Key punched			
SCREEN-PERFORATED INTERVALS: From <b>22.5</b> ft. to <b>27</b> ft. From <b>41.5</b> ft. to <b>53</b> ft. From <b>0</b> ft. to <b>15</b> ft. From <b>58 to 62 &amp; 64 to 80</b> From <b>31</b> ft. to <b>38</b> ft.			
GRAVEL PACK INTERVALS: From <b>0</b> ft. to <b>15</b> ft. From <b>17.5</b> ft. to <b>29</b> ft. From <b>40.5</b> ft. to <b>56</b> ft.			

6 GROUT MATERIAL:	<b>1 Neat cement</b>	2 Cement grout	<b>3 Bentonite</b>	4 Other
Grout Intervals: From <b>15</b> ft. to <b>17.5</b> ft. From <b>29</b> ft. to <b>31</b> ft. From <b>38</b> ft. to <b>40.6</b> ft.				
What is the nearest source of possible contamination:	10 Livestock pens	14 Abandoned water well		
1 Septic tank	4 Lateral lines	7 Pit privy	<b>11 Fuel storage</b>	15 Oil well/Gas well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	16 Other (specify below)
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	13 Insecticide storage	
Direction from well? <b>3/4 east</b>			How many feet? <b>50 ft.</b>	

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	11	Clayey silt, med. brown	27.5	30	Shaley limestone, kaiki
11	15	Clayey silt, tan to gray-tan w/ occasional med. to very coarse quartz sand grains intermixed.	30	32.5	Limey shale, gray-green
			32.5	35	Shale, gray-green grading down to red-brown
15	21	Gravelly, clayey silt, gray-tan to yellow-tan to green-gray w/ abundant rounded to subangular quartz and some limestone med. to very coarse sand & fine-coarse pebbles (up to 1.5" in diameter). Sand & pebble content increases with depth.	35	42	Shale, red brown
			42	45	Shale, greenish tan-gray
			45	47.5	Limestone, with large voids, drill cuttings consisted of fine to coarse sand of calcite, limestone, and shale fragments, tan-gray, very small amt. of sample returned to surface.
21	27.5	Conglomerate, predominately siliceous grains ranging from med. sand to very coarse pebbles (up to 3" in diameter) with lime cement.			

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>April 6, 1988</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <b>WWC-334</b> This Water Well Record was completed on (mo/day/yr) <b>8-3-88</b> under the business name of <b>Ewbank Inc.</b> by (signature) <i>[Signature]</i>
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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, Bureau of Water Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

47.5 to 51'	Limestone, with large voids, tan-gray with abundant fracture-or void-lining calcite crystalization.
51 to 52.5'	Shale, light gray, slightly limey
52.5 to 60'	Shale, dark gray, limey
60 to 64'	Conglomerate, light brown to gray-tan, grains are predominately siliceous, med. to coarse sand and pebbles up to 2" in diameter w/lime cement.
64 to 67.5'	Shale, dark gray, fissile w/some thin limestone stringers.
67.5 to 76	Limestone, med. gray, fossiliferous, porous with some gypsum fracture fill and inter-mixed gypsum.
76 to 80	Shale, dark gray w/abundant interbedded limestone with gypsum fracture fill

### Blank Casing

8" PVC - 0 - 22.5 ft.  
76 - 78 ft.

8" Steel - 27 ft. to 41.5  
53 to 66 ft.