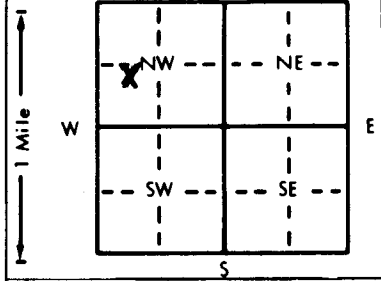


1 LOCATION OF WATER WELL: County: **Seward** Fraction: **NW 1/4 SW 1/4 NW 1/4** Section Number: **19** Township Number: **T 31 S** Range Number: **R 32 E/W**

Distance and direction from nearest town or city street address of well if located within city?
14 mi N of Arkalon

2 WATER WELL OWNER: **Harris Oil & Gas** #1-519 **Eubank**
 RR#, St. Address, Box #: **P.O. Box 976** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: **Liberal, Ks 67905-0976** Application Number: **990019**

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



4 DEPTH OF COMPLETED WELL: **490** ft. ELEVATION: _____
 Depth(s) Groundwater Encountered 1. **285** ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: **285** ft. below land surface measured on mo/day/yr **1-08-99**
 Pump test data: Well water was **425** ft. after **1** hours pumping **80** gpm
 Est. Yield **80** gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: **11** in. to **490** ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 1 Domestic 3 Feedlot **6** Oil field water supply 9 Dewatering 11 Injection well
 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 7 Fiberglass _____ Welded _____
 Blank casing diameter **6** in. to **480** ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface **24** in., weight **2.902** lbs./ft. Wall thickness or gauge No. **280** SDR **21**
 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 9 ABS 11 Other (specify) _____
 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 **380** ft. to **480** ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **280** ft. to **480** 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 **Hole Plug**
 Grout Intervals: From **0** ft. to **20** 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 _____
 Direction from well? **Southwest** How many feet? **500**

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Topsoil			
2	97	Clay / Sandy Clay			
97	190	Sand			
190	192	Clay			
192	217	Sand / Clay Streaks			
217	235	Clay			
235	245	Sand			
245	306	Blue / Yellow Clay			
306	375	Blue Clay / Sandy Clay			
375	403	Sand			
403	410	Sand / Clay			
410	435	Clay / Sand Streaks			
435	480	Sand			
480	490	Clay			

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) **1-08-99** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **KWCL - 430** This Water Well Record was completed on (mo/day/yr) **1-08-99** under the business name of **Howard Drlg. Box 806 Beaver, Ok 73932** by (signature) *Howard Drlg.*

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