

|  |   |                             |                                  |                                 |
|--|---|-----------------------------|----------------------------------|---------------------------------|
| 1 LOCATION OF WATER WELL:<br>County: <b>Seward</b> | Fraction<br><b>SW 1/4 SE 1/4 NW 1/4</b> | Section Number<br><b>27</b> | Township Number<br><b>T 31 S</b> | Range Number<br><b>R 33W EW</b> |
|--|---|-----------------------------|----------------------------------|---------------------------------|

Distance and direction from nearest town or city street address of well if located within city? **Liberal, Kansas - North 19 miles - 1 mile West - 1 1/2 miles North 3/4 miles West into location.**

2 WATER WELL OWNER: **Charles Brier** **Harris Oil & Gas**  
 RR#, St. Address, Box # : **1504 North Webster** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : **Liberal, KS 67901** Application Number: **T 87-150**

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

4 DEPTH OF COMPLETED WELL: **340'** ft. ELEVATION: .....

Depth(s) Groundwater Encountered 1. **135'** ft. 2. .... ft. 3. .... ft.

WELL'S STATIC WATER LEVEL **205'** ft. below land surface measured on mo/day/yr **04/27/87**

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

Est. Yield **100** gpm: Well water was ..... ft. after ..... hours pumping ..... gpm

Bore Hole Diameter **9** in. to **340** 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              | <b>6 Oil field water supply</b> |
| 2 Irrigation          | 4 Industrial           | 9 Dewatering                    |
|                       | 7 Lawn and garden only | 10 Observation well             |

12 Other (Specify below) .....

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 ..... Clamped ..... |
| <b>2 PVC</b> | 4 ABS      | 6 Asbestos-Cement | 9 Other (specify below) | Welded .....                             |
|              |            | 7 Fiberglass      |                         | Threaded .....                           |

Blank casing diameter **5 1/2**" in. to **260** ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.

Casing height above land surface **-48**" in., weight **2.85** lbs./ft. Wall thickness or gauge No. **.265**

TYPE OF SCREEN OR PERFORATION MATERIAL:

|         |                    |                 |              |                          |
|---------|--------------------|-----------------|--------------|--------------------------|
| 1 Steel | 3 Stainless steel  | 5 Fiberglass    | <b>7 PVC</b> | 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 | <b>8 Saw cut</b>         | 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 **260'** ft. to **340'** ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From **24'** ft. to **195'** ft., From **205'** ft. to **340'** ft.

6 GROUT MATERIAL: **1 Neat cement** 2 Cement grout **3 Bentonite** 4 Other .....

Grout Intervals: From **4** ft. to **10** ft., From **10** ft. to **24** ft., From **195** ft. to **205** ft.

What is the nearest source of possible contamination:

|                          |                 |                 |                        |                                |
|--------------------------|-----------------|-----------------|------------------------|--------------------------------|
| 1 Septic tank            | 4 Lateral lines | 7 Pit privy     | 10 Livestock pens      | <b>14 Abandoned water well</b> |
| 2 Sewer lines            | 5 Cess pool     | 8 Sewage lagoon | 11 Fuel storage        | <b>15 Oil well/Gas well</b>    |
| 3 Watertight sewer lines | 6 Seepage pit   | 9 Feedyard      | 12 Fertilizer storage  | 16 Other (specify below)       |
|                          |                 |                 | 13 Insecticide storage |                                |

Direction from well? **Northeast** How many feet? **190'**

| FROM | TO  | LITHOLOGIC LOG     | FROM  | TO       | LITHOLOGIC LOG        |
|------|-----|--------------------|-------|----------|-----------------------|
| 0    | 4   | Dirt               | .55   | cu. feet | of dirt               |
| 4    | 10  | Cement             | .82   | cu. feet | of cement             |
| 10   | 24  | Bentonite Grout    | 1.91  | cu. feet | of Bentonite Grout    |
| 24   | 195 | Chlorinated gravel | 23.32 | cu. feet | of Chlorinated gravel |
| 195  | 205 | Bentonite Grout    | 1.36  | cu. feet | of Bentonite Grout    |
| 205  | 340 | Chlorinated gravel | 18.41 | cu. feet | of Chlorinated gravel |

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) **03/31/88** 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) **04/04/88** under the business name of **Carlile Water Well Service, Inc.** by (signature) *[Signature]*

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SEC.