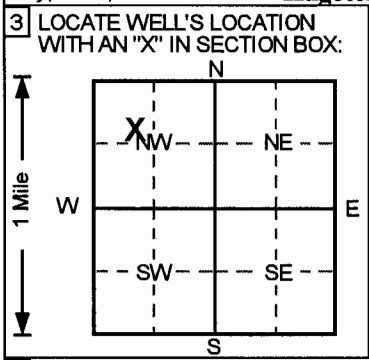


1 LOCATION OF WATER WELL: County: **Seward** Fraction: **SE 1/4 NW 1/4 NW 1/4** Section Number: **1** Township Number: **T 32 S** Range Number: **R 33 E/W**

Distance and direction from nearest town or city street address of well if located within city?
17 mile N of Liberal @ NNG Sublette Plant

2 WATER WELL OWNER: **Northern Natural Gas**
 RR#, St. Address, Box #: **Route 1, Box 17** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: **Hugoton, Kansas 67951** Application Number:



4 DEPTH OF COMPLETED WELL: **65** ft. ELEVATION: _____
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr _____
 Pump test data: Well water was **NA** ft. after _____ hours pumping _____ gpm
 Est. Yield **NA** gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter **8** in. to **65** 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
 Water Well Disinfected? Yes _____ No

5 TYPE OF BLANK CASING USED: 1 Steel 2 **PVC** 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) CASING JOINTS: Glued _____ Clamped _____ Welded _____ Threaded
 Blank casing diameter **2** in. to **35** ft., Dia. **2** in. to **55** ft., Dia. _____ in. to _____ ft.
 Casing height above land surface **30** in., weight _____ lbs./ft. Wall thickness or gauge No. **Sch. 40**
 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 **PVC** 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) _____ 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 **Mill slot** 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) _____ 11 None (open hole)
 SCREEN-PERFORATED INTERVALS: From **35** ft. to **45** ft., From **55** ft. to **65** ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **34** ft. to **46** ft., From **54** ft. to **65** 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 **31** ft., From **31** ft. to **34** ft., From **46** ft. to **54** ft.
 What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well **16** Other (specify below) **Burn Pit**
 Direction from well? _____ How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Clay, Brown			
2	8	Clay, Gray Brown to Mottled Dark Gray			
8	13	Clay, Brown to Mottled Gray			
13	22	Clay, Light Brown to Light Gray Brown			
22	29	Clay, Brown			
29	32	Clay, Brown			
32	41	Clay, Brown			
41	53	Clay, Brown			
53	65	Clay, Light Brown			
					SVE1, Abovegrade
					Project Name: NNG - Sublette Plant
					GeoCore # 279

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) **11/2/95** and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. **527** This Water Well Record was completed on (mo/day/yr) **11/15/95**
 under the business name of **GeoCore Services, Inc.** by (signature) *Dab Roll*

OFFICE USE ONLY

T

R

EW

SEC.

1/4

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