

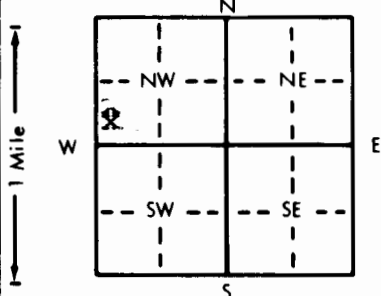
Lease: Arkalon Grazing

1 LOCATION OF WATER WELL: County: Seward Fraction SW 1/4 SW 1/4 NW 1/4 Section Number 22 Township Number T 33 S Range Number R 32 EAW

Distance and direction from nearest town or city street address of well if located within city? From the North side of the Cimarron River Bridge on Hwy 83 go 4mi East on county road 4 1/2 mi South and East to location

2 WATER WELL OWNER: Arkalon Grazing Ass. Raw Energy Corp. RR#, St. Address, Box #: c/o Larry Lauderback Route #2 City, State, ZIP Code: Liberal, Kansas 67901 Board of Agriculture, Division of Water Resources Application Number: T 84-216

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



4 DEPTH OF COMPLETED WELL: 280 ft. ELEVATION: Depth(s) Groundwater Encountered 1. 152 ft. 2. WELL'S STATIC WATER LEVEL 128 ft. below land surface measured on mo/day/yr 5/25/84 Pump test data: Well water was Est. Yield 60 gpm Well water was Bore Hole Diameter 9 in. to 280 ft. and WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 12 Other (Specify below) 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well Was a chemical/bacteriological sample submitted to Department? Yes No; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded 7 Fiberglass Threaded Blank casing diameter 5 in. to 203 ft., Dia Casing height above land surface 28 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 8 RMP (SR) 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 200 ft. to 280 ft. GRAVEL PACK INTERVALS: From 100 ft. to 280 ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From 0 ft. to 10 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? Northeast of water well How many feet? 100'

Table with columns: FROM, TO, LITHOLOGIC LOG. Rows: 0-23 surface & fine sand, 23-98 medium to large sand, 98-164 fine sand, 164-268 medium to large sand, 268-280 clay.

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under (1) my jurisdiction and was completed on (mo/day/year) May 25, 1984 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) June 4, 1984 under the business name of Carlile Water Well Service, Inc. by (signature)

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, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.