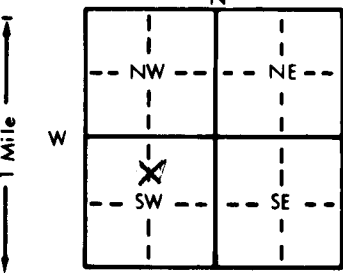


1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number																																																																																																
County: Stevens		1/4 C/N 1/2 SW 1/4	11	T 35 S S	R 35 W E/W																																																																																																
Distance and direction from nearest town or city street address of well if located within city? Ten miles west of Liberal on 2nd Str. road and two south.																																																																																																					
2 WATER WELL OWNER: Southland Royalty Co RR#, St. Address, Box # : 2900 Liberty Tower City, State, ZIP Code : Okla City, Ok 73102 Board of Agriculture, Division of Water Resources Application Number: T85-374																																																																																																					
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: 380 ft. ELEVATION:																																																																																																			
		Depth(s) Groundwater Encountered 1. 115 ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL 115 ft. below land surface measured on mo/day/yr 4-23-85 Pump test data: Well water was 119 ft. after 1 hours pumping 100 gpm Est. Yield 100 gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter 9 1/2 in. to 380 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 Observation 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 6 Asbestos-Cement 9 Other (specify below) Welded Blank casing diameter 5 in. to 280 ft. Dia in. to ft. Dia in. to ft. Casing height above land surface 24 in. weight lbs./ft. Wall thickness or gauge No. 258 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) 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 280 ft. to 380 ft. From ft. to ft. GRAVEL PACK INTERVALS: From 220 ft. to 380 ft. From ft. to ft. 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other dirt Grout intervals: From 1 ft. to 15 ft. From 15 ft. to 100 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? How many feet?																																																																																																					
<table border="1"><thead><tr><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th></tr></thead><tbody><tr><td>0</td><td>20</td><td>Sand-Blue Clay</td><td>300</td><td>320</td><td>Sand</td></tr><tr><td>20</td><td>40</td><td>Blue Clay - Clay</td><td>320</td><td>340</td><td>15' Sand - Sandy Clay</td></tr><tr><td>40</td><td>60</td><td>Sandy Clay</td><td>340</td><td>360</td><td>Sand</td></tr><tr><td>60</td><td>80</td><td>Sandy Clay</td><td>360</td><td>380</td><td>Sandy Clay - 370' Green Clay</td></tr><tr><td>80</td><td>100</td><td>Sandy Clay - 5' Sand</td><td></td><td></td><td></td></tr><tr><td>100</td><td>120</td><td>Sandy Clay</td><td></td><td></td><td></td></tr><tr><td>120</td><td>140</td><td>Sandy Clay</td><td></td><td></td><td></td></tr><tr><td>140</td><td>160</td><td>Sandy Clay</td><td></td><td></td><td></td></tr><tr><td>160</td><td>180</td><td>Sandy Clay</td><td></td><td></td><td></td></tr><tr><td>180</td><td>200</td><td>Sandy Clay - 8' Sand</td><td></td><td></td><td></td></tr><tr><td>200</td><td>220</td><td>Sandy Clay</td><td></td><td></td><td></td></tr><tr><td>220</td><td>240</td><td>Sandy Clay - 6' Sand</td><td></td><td></td><td></td></tr><tr><td>240</td><td>260</td><td>Sandy Clay</td><td></td><td></td><td></td></tr><tr><td>260</td><td>280</td><td>Sandy Clay - 10' Coarse Sand</td><td></td><td></td><td></td></tr><tr><td>280</td><td>300</td><td>Sand</td><td></td><td></td><td></td></tr></tbody></table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	20	Sand-Blue Clay	300	320	Sand	20	40	Blue Clay - Clay	320	340	15' Sand - Sandy Clay	40	60	Sandy Clay	340	360	Sand	60	80	Sandy Clay	360	380	Sandy Clay - 370' Green Clay	80	100	Sandy Clay - 5' Sand				100	120	Sandy Clay				120	140	Sandy Clay				140	160	Sandy Clay				160	180	Sandy Clay				180	200	Sandy Clay - 8' Sand				200	220	Sandy Clay				220	240	Sandy Clay - 6' Sand				240	260	Sandy Clay				260	280	Sandy Clay - 10' Coarse Sand				280	300	Sand			
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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) 4-23-85 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) 4-23-85 under the business name of Howard Drilling Company 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.																																																																																																					

OFFICE USE ONLY

T 35 S

R 35 W

E 30

SEC. 11

1/4

C/N 1/2

SW 1/4