

22-19W-7AAA - - Drilled June 16, 1977.

by Kansas Geological Survey.

Altitude 2,100 feet. Water levels
64 feet (Dakota Formation, 1978) ⁴
and +19 feet (Upper Permian ~~1978~~
deposits, 1978). Raymond Polson.

QUATERNARY SYSTEM
Pleistocene Series, undifferentiated

	Thickness, feet	Depth, feet
Silt, sandy, clayey, dark brown	6	6
Clay, light brown	1	7

Clay, brown to light reddish brown;
with sandy clay 6 13^v

TERTIARY SYSTEM
Pliocene Series
~~Agallala~~ formation

Clay, silty, light brown to very light
brown, with thin fine to coarse sand streaks 32 45

Clay, light brown with limy layers 40 85

Sand, coarse and fine to medium
gravel; contains iron concretions 19 104

Clay, light reddish brown 10 114^v

CRETACEOUS SYSTEM
Lower Cretaceous Series
Dakota Formation

Clay, red to light gray 6 120
contin

22-19w-7AAA ^{Confined} Sample _____ log of test hole _____ augered drilled
(Well No.)

in _____ (Location)

_____; depth to water, _____ feet;
(Date)

altitude of land surface _____ feet.

	Thickness, feet	Depth, feet
Clay, red to gray, with yellow clay and silty sandstone	22	142
Sandstone, medium, light to dark brown	40	182
Shale, hard, dark gray; and light-gray hard, siltstone	6	188
Clay, light gray, with red clay; contains hard streaks	12	200
Clay dark gray with light streaks	9	209 ^v

Kiowa Formation

Clay, light gray, dark gray, and black; with hard siltstone and very fine grained sandstone layers	31	240 ^v
Cheyenne Sandstone	?	?
Clay, light gray to black with thin hard layers	150	390

continued

22-19W-7AAA2 ^{containing} sample _____ log of test hole _____ augered drilled
(Well No.)

in _____
(Location)

_____; depth to water, _____ feet;
(Date)
altitude of land surface _____ feet.

	Thickness, feet	Depth, feet
clay, dark gray, with light greenish gray clay PERMIAN SYSTEM Upper Permian series Whitehorse Formation	15	405 ✓
clay, light reddish brown	5	410
clay, dark reddish brown with sandstone streaks	14	424
sandstone, silty, dark reddish brown	11	428
clay, dark reddish brown	3	431
sandstone, silty, dark reddish brown	3	434
clay, dark reddish brown	1	435
(TD 435')		

WELL RECONNAISSANCE, INC.

P. O. Box 1483 Dallas, Texas 75221

Phone 214 387-2200

LOG HEADING

HOLE NO.

22-19-7AAA2

COMPANY <i>Polson</i>		LOCATION		UNIT NO.	OFFICE	
CLAIM	HOLE NO.	SECTION <i>7</i>	TWP. <i>22S</i>	OPERATOR(S) <i>D J Z</i>	RNG. <i>19W</i>	
CLIENT REPRESENTATIVE		COUNTY <i>Powaco</i>	STATE <i>Ks</i>	DATE <i>06/16/1977</i>		
DRILLED DEPTH <i>435</i> FT.	ELEVATION <i>2100</i> FT.	CASING <i>PVC</i>		DRILLING MEDIUM <i>(Flashed)</i>		
HOLE DIAMETER <i>5 1/4</i> IN.		DIAMETER <i>2</i> IN.		TYPE OF MUD <i>with clear water</i>		
		WALL THICKNESS <i>0.1</i> IN.				
NUCLEAR RADIATION			INSTRUMENTATION		ELECTRIC LOG	
RUN NUMBER	1	2	3	PROBE NUMBER	DEPTH	Ft.
DEPTH (INTERVAL) FT.	<i>0-43 1/2</i>			TYPE	RESISTIVITY	Ohms
RANGE <i>50</i> C.P.S.				k FACTOR	S. P.	M V
TIME CONSTANT SEC.	<i>4</i>			DEAD TIME	VERTICAL SCALE	Ft./In
LOGGING SPEED <i>10 1/2</i> Ft/Min				WATER FACTOR	CALIPER	
VERTICAL SCALE <i>10 1/2</i> Ft/In				Remarks:	VERTICAL SCALE	Ft/In
WATER LEVEL FT. <i>Flowing</i>					HORIZONTAL SCALE	In/In
DIGITAL RECORD					OTHER	
					DEPTH	Ft.
					RANGE	