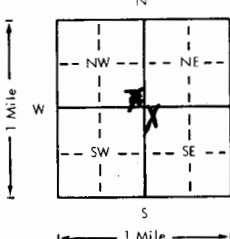


1 LOCATION OF WATER WELL		Fraction		Section Number		Township Number		Range Number	
County: Pratt		SW 1/4 SW 1/4 SE 1/4		36		T 29 S		R 11 E	
Distance and direction from nearest town or city? 4 mi E, 1/2 mi N, 1/2 E of Isabel				Street address of well if located within city?					
2 WATER WELL OWNER: KGS/GWMD#5									
RR#, St. Address, Box #				Board of Agriculture, Division of Water Resources					
City, State, ZIP Code				Application Number:					
3 DEPTH OF COMPLETED WELL: 171 ft. Bore Hole Diameter: 10 in. to 171 ft. and in. to ft.									
Well Water to be used as:									
1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well									
2 Irrigation 4 Industrial 7 Lawn and garden only 9 Dewatering 12 Other (Specify below)									
Well's static water level: 21.35 ft. below land surface measured on 1 month 27 day 1983 year									
Pump Test Data: Well water was ft. after hours pumping gpm									
Est. Yield gpm: Well water was ft. after hours pumping gpm									
4 TYPE OF BLANK CASING USED:									
1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued Clamped									
2 PVC 4 ABS 7 Fiberglass 9 Other (specify below) Welded									
Blank casing dia: 5 in. to 166 ft. Dia in. to ft. Dia in. to ft.									
Casing height above land surface: 24 in. weight lbs./ft. Wall thickness or gauge No: Schd #40									
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-Perforation Dia: 5 in. to 171 ft. Dia in. to ft. Dia in. to ft.									
Screen-Perforated Intervals: From 166 ft. to 171 ft. From ft. to ft. From ft. to ft.									
Gravel Pack Intervals: From 160 ft. to 171 ft. From ft. to ft. From ft. to ft.									
5 GROUT MATERIAL:									
1 Neat cement 2 Cement grout 3 Bentonite 4 Other									
Grouted Intervals: From 130 ft. to 160 ft. From 160 ft. to 10 ft. From ft. to ft.									
What is the nearest source of possible contamination: Unknown									
1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well									
2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well									
3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below)									
13 Watertight sewer lines									
Direction from well: How many feet? Water Well Disinfected? Yes No									
Was a chemical/bacteriological sample submitted to Department? Yes No If yes, date sample									
was submitted month day year Pump Installed? Yes No									
If Yes: Pump Manufacturer's name Model No. HP Volts									
Depth of Pump Intake ft. Pumps Capacity rated at gal./min.									
Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other									
6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was									
completed on August month 25 day 1980 year									
and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No.									
This Water Well Record was completed on March month 23 day 1983 year under the business									
name of by (signature) Patrick M. Cobb									
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:									
									
FROM TO LITHOLOGIC LOG FROM TO LITHOLOGIC LOG									
*0 6 sandy topsoil, dk brown, fine-medium 145 171 siltstone, red - Permian									
6 12 sand, fine-med. grained w/ caliche									
12 73 sand, fine-very fine, qtz. arkose; thin clay lenses 43-50' *Abbreviated log - detailed log available from KGS									
73 89 sand, fine-coarse, qtz. arkose; thin caliche zones									
89 145 sand, gravel & cobbles; yellow clay @ 100'									
ELEVATION:									
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. 4. ft. (Use a second sheet if needed)									
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, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.									

BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

ACC

SITE NUMBER : 12 NE
SITE LOCATION: SW SW SE

LEGAL LOCATION: 36-29-11W
COUNTY : PRATT

WELL LOG

[illegible]

BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

SITE NUMBER :12
SITE LOCATION:SW SW NE
SAMPLING DATE:NOVEMBER 1980

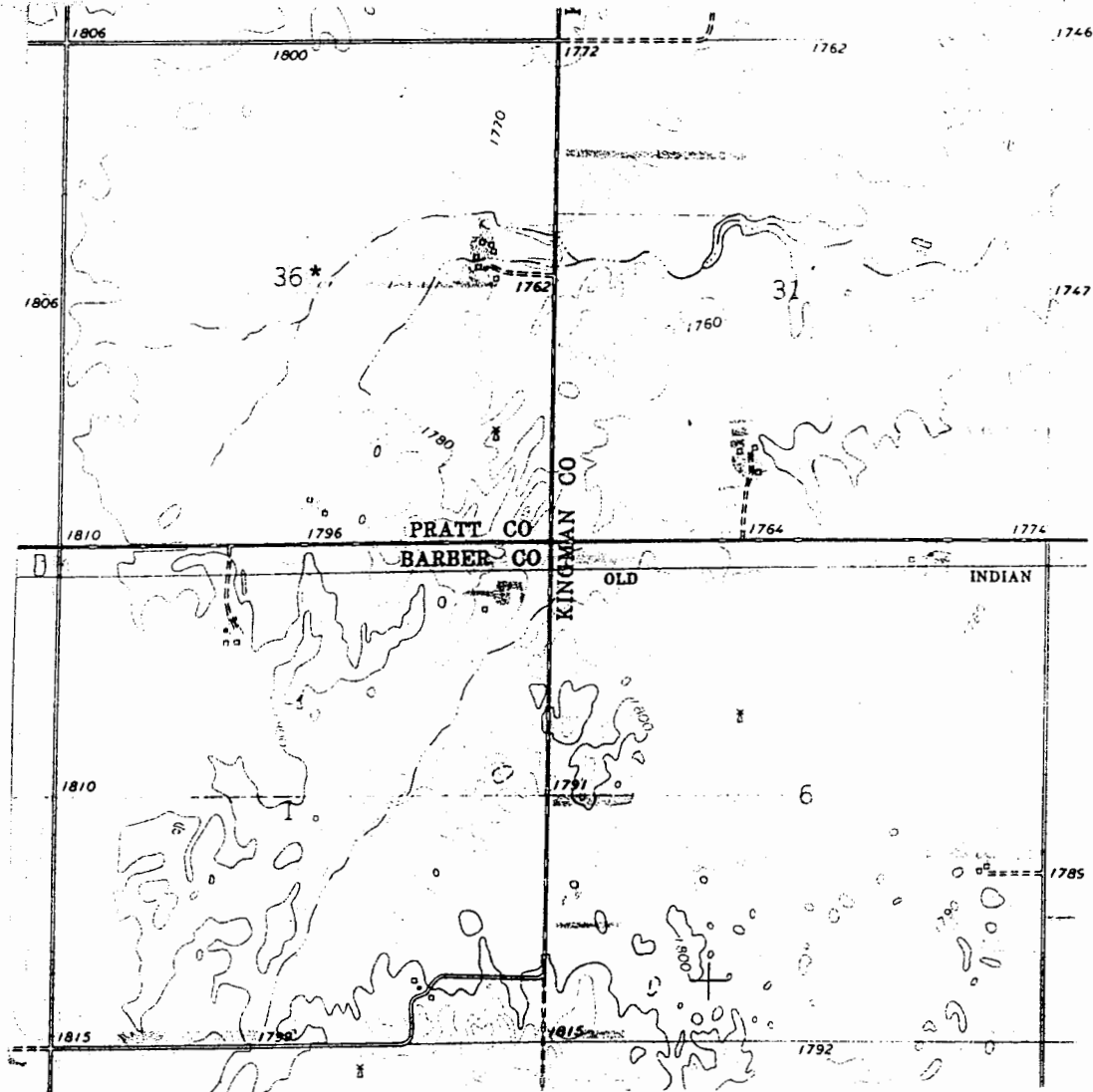
LEGAL LOCATION :36-29-11W
COUNTY :PRATT
NUMBER OF WELLS:3

WATER QUALITY ANALYSIS

	<u>WELL#1</u>	<u>WELL#2</u>	<u>WELL#3</u>	<u>WELL#4</u>
TEMPERATURE, C	_____	_____	<u>16.2</u>	_____
SPECIFIC CONDUCTANCE umho @ 25 deg C.	_____	_____	<u>450</u>	_____
pH	_____	_____	<u>8.4</u>	_____
CALCIUM (Ca):	_____	_____	<u>60</u>	_____
MAGNESIUM (Mg):	_____	_____	<u>5.9</u>	_____
POTASSIUM (K):	_____	_____	<u>5.2</u>	_____
SILICA (SiO ₂):	_____	_____	<u>24</u>	_____
SODIUM (Na):	_____	_____	<u>28</u>	_____
SAR:	_____	_____	<u>0.92</u>	_____
BICARBONATE (HCO ₃):	_____	_____	<u>248</u>	_____
CHLORIDE (Cl):	_____	_____	<u>8.1</u>	_____
FLUORIDE (F):	_____	_____	<u>0.3</u>	_____
NITRATE (NO ₃):	_____	_____	<u>14</u>	_____
ORTHO-PHOSPHATE (PO ₄):	_____	_____	<u>0.5</u>	_____
SULFATE(SO ₄):	_____	_____	<u>9.7</u>	_____
SULFIDE (S):	_____	_____	_____	_____
STRONTIUM (Sr):	_____	_____	<u>0.2</u>	_____

SITE NUMBER : 12
SITE LOCATION : SW SW NE
LEGAL LOCATION: SEC36 T29S R11W
COUNTY : PRATT

LANDOWNER: EARL ARMSTRONG
ADDRESS : RURAL ROUTE
ISABEL, KANSAS 67065
PHONE NO.: 316-739-4568



WELL LOCATION *

WIRE LINE LOG DATA

Site #	Well #	Time	Date	Type of Log	Depth of Well From Log	Date Last Pumped	Comments
				G=Gamma			
				C=Cond. T=Temp.			
12	1	10:15 AM	7/25/84	G	171 ft		Started logging from bottom of 168.8 ft lots of red mud on the bottom

10 x 10 Power

Site 13

Speed Change 25 RPM

Site 13

15 E.P.M.

Res 200 FMS

Start

SP 100mV

185'

180'

170'

160'

150'

140'

130'

120'

110'

100'

90'

80'

110'

Site #12 Armstrong
29.11.36 ACC

SP 100 mV
RG 500 Hms
Site #12

Station

10

20

50

Res change to 50

0 Hms

70

90

Res 100 Hms

90

100

110

SP 100 mV

Start 12

Start

Rest

Start

start

Site #12