



FORM 9-1642 (1-68)

Well No. J 10 *permitted*

WELL SCHEDULE E-log #60  
GEOLOGICAL SURVEY WATER RESOURCES DIVISION

U. S. DEPT. OF THE INTERIOR

**PUNCHED**

MASTER CARD Q

E-log Bowc 9/73

WL Data  
11/15/82  
WL = 147.05  
177.95

Record by GJD Source of data driller Date 5-1-73 Map STURGIS 153-D

State 3 28 County Ottawa 53

Latitude: 33<sup>deg</sup> 20<sup>min</sup> 37<sup>sec</sup> N Longitude: 089<sup>deg</sup> 02<sup>min</sup> 56<sup>sec</sup> Sequential number: 1

Lat-long accuracy: 2<sup>min</sup> 17<sup>sec</sup> S, R 12 W, Sec 16 SE NW NE NW

Local well number: 1010AB1617N12E Other number: \_\_\_\_\_ B & M

Local use: 053060 Owner or name: Town of Sturgis

Owner or name: STURGIS Address: \_\_\_\_\_

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist M

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, water: \_\_\_\_\_

Stock, Instat, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P

Use of well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling:  Pumpage inventory:  yes no, period: \_\_\_\_\_

Aperture cards:  yes

Log data: E-log : 50-1465 ft. T.D. 2200' D.E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2160 Meas. 3

Depth cased; (first perf.): 2100 Casing type: \_\_\_\_\_; Diam. 8x4 in 8

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, perf., screen, sd. pt., shored, open hole, other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd jetted, (J) air rot., (P) percussion, (R) reverse, (T) air reverse, (V) driven, (W) drive wash, (X) other 4

Date Drilled: 5-1-73 973 Pump intake setting: \_\_\_\_\_ ft 30

Driller: T.M. Parks name address

Lift (type): (A) air, (B) bucket, (C) cent., (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot., (S) submerg., (T) turb., other T Deep  Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 25  Trans. or meter no. \_\_\_\_\_

Descrip. MP 325/OK 5A2 ft above below LSD, Alt. MP \_\_\_\_\_

Alt. LSD: 330 Accuracy: topo 5

Water Level: \_\_\_\_\_ ft above below MP; \_\_\_\_\_ ft above below LSD 150 Accuracy: \_\_\_\_\_ D

Date meas: 973 Yield: \_\_\_\_\_ gpm 150 Method determined

Drawdown: \_\_\_\_\_ ft Accuracy: \_\_\_\_\_ Pumping period: \_\_\_\_\_ hrs \_\_\_\_\_

WATER DATA: Iron \_\_\_\_\_ ppm Sulfate \_\_\_\_\_ ppm Chloride \_\_\_\_\_ ppm Hard. \_\_\_\_\_ ppm

Sp. Conduct \_\_\_\_\_ K x 10<sup>6</sup> Temp. \_\_\_\_\_ °F \_\_\_\_\_ Date sampled \_\_\_\_\_

Taste, color, etc. \_\_\_\_\_

10/2/78  
WL-137.60  
187.4

10-29-92  
WL 160.72

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Latitude-longitude N  
S

**HYDROGEOLOGIC CARD**

**STATE OF MONTANA** Physiographic Province: 03 Section: \_\_\_\_\_

Drainage Basin: 136 Subbasin: \_\_\_\_\_

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (R) (K) (L) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: system \_\_\_\_\_ series K3 aquifer, formation, group Coker 60

Lithology: UG Origin: 2 Aquifer Thickness: 70+ ft

Length of well open to: \_\_\_\_\_ ft 60 Depth to top of: 2100 ft

MINOR AQUIFER: system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft \_\_\_\_\_ Depth to top of: \_\_\_\_\_ ft

Intervals Screened: \_\_\_\_\_

Depth to consolidated rock: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

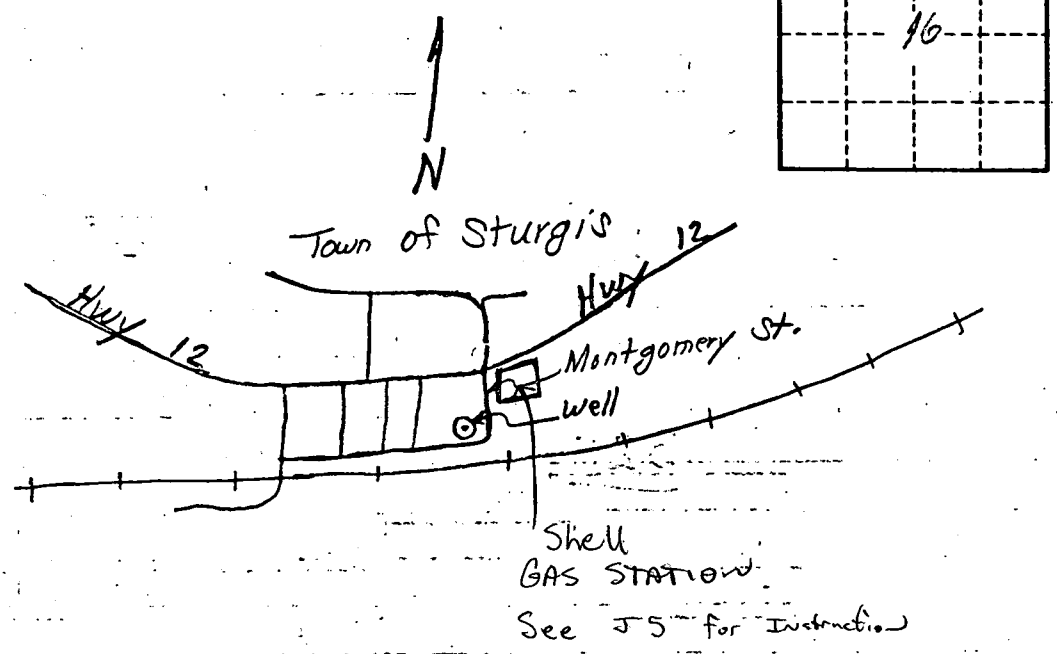
Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: \_\_\_\_\_ gpd/ft \_\_\_\_\_ Coefficient Storage: \_\_\_\_\_

Coefficient Perm: \_\_\_\_\_ gpd/ft; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_

12-4-90  
MP = 3.9'  
Hold = 170'  
Cut = 5.95'  
160.65  
164.35 SSL

West ~~Side~~ Air/Pipe



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