WRD Exp. (GW)
April 1966

Well No. J 16
E-log #87

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by | Source of data | Date | Map

State: Miss [2 8] (1-2) County (or town): Lamar [3 7]

Latitude: [3 1 0 8 4 9 N] (5-11) deg min sec N S | Longitude: [0 8 9 3 4 2 2] (12-18) degrees min sec | Sequential number: [1] (19)

Lat-long accuracy: [2] (20) T. 2 N S, R 16 E W, Sec 14, SW ¼, NE ¼, NE ¼

Local well number: [J 0 1 6 A A 1 4 0 2 N 1 6 W] (21-34) | Other number: HT-3 B & M

Local use: [X 5 2] (35-51) | Owner or name: Atomic Energy Comm

Owner or name: [U S A E C] (52-66) | Address: Las Vegas, Nevada

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [F] (67)

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [4] (68)

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — [Φ] (69)

DATA AVAILABLE: Well data [ ] (70) | Freq. W/L meas.: [I] (71) | Field aquifer char. [ ] (72)

Hyd. lab. data: [ ] (73)

Qual. water data; type: USGS [M] (74)

Freq. sampling: [I] (75) | Pumpage inventory: yes no, period: [ ] (76)

Aperture cards: yes [ ] (77)

Log data: Schlum to 903' See also E-log #90 [E] (78-79)

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD (1-19) | Depth well: [1 0 5 2] (20-23) ft | Meas. rept | accuracy [4] (24)

Depth cased: (first perf.) [9 3 4] (25-28) ft | Casing type: IRON ; Diam. 8 5/8 in [8] (29-30)

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other, (Z) other — [S] (31)

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion., (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — [H] (32)

Date Drilled: [9 6 4] (33-35) | Pump intake setting: ft [ ] (36-38)

Driller: Century Geophysical (name, address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [ ] (39) | Deep | Shallow [ ] (40)

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. [ ] (41) | Trans. or meter no.

Descrip. MP ft above below LSD. Alt. MP

Alt. LSD: [2 6 7] (42-45) | Accuracy (source): Inst. [1] (47)

Water Level ft above below MP; ft above below LSD [1 0 5] (48-51) | Accuracy: [A] (52)

Date meas: [6 6 7] (53-55) | Yield: gpm [5 5] (56-60) | Method determined [ ] (61)

Drawdown: ft [ ] (62-64) | Accuracy: [ ] (65) | Pumping period hrs [ ] (66-68)

QUALITY OF WATER DATA: Iron ppm [ ] (69) | Sulfate ppm [ ] (70) | Chloride ppm [ ] (71) | Hard. ppm [ ] (72)

Sp. Conduct K x 10^6 [ ] (73) | Temp. °F [9 0] (74-76) | Date sampled 3-63 [3 6 3] (77-79)

Taste, color, etc.

Well No. J 16

Well No. J:16

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section:

D (22) Drainage Basin: 13V (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat F (27)

MAJOR AQUIFER: system, series J- (28–29) Limestone of Caprock aquifer, formation, group L Φ (30–31)

Lithology: Z (32–33) Origin: 6 (34) Aquifer Thickness: ft

105 (35–37) Length of well open to: ft 8 (38–40) Depth to top of: ft 935 (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 934-1052 (.010")

Depth to consolidated rock: ft (60–63) Source of data: (64)

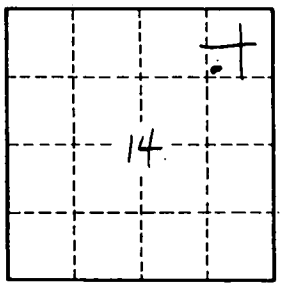
Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

Hydrologic Test Well #3



Well No. J16

GPO 857-700