

WRD Exp. (GW)
April 1966

Well No. AZ-57-52-210

WELL SCHEDULE

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

U. S. DEPT. OF THE INTERIOR

(JC Cumley 7-17-41)

MASTER CARD

1:24

275

Record by JP Follett Source of data owner Date 7 68 Map AZ
State Texas 49 County (or town) Blanco Sequential number: 19
Latitude: 30 14 47 N Longitude: 09 83 23 W
Lat-long accuracy: 70 T S, R W, Sec k, k, k
Local well number: AZ-57-52-210 Other number: 275m42cft
Local use: 33 40 45 51 Owner or name: DR Odiorne
Owner or name: D R Odiorne Address:
Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist P
Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, water: (S) (T) (U) (V) (W) (X) (Y) (Z)
Stock, Instic, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other S
Use of (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W
DATA AVAILABLE: Well data 70 Freq. W/L meas.: 71 Field aquifer char. 72
Hyd. lab. data: 73
Qual. water data: type: 74
Freq. sampling: 75 Pumpage inventory: 76 yes no, period: 77
Aperture cards: 78 yes 79
Log data: 78 79

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 112 ft 112 Meas. 24 6
Depth cased: (first perf.) 25 ft 28 Casing type: 20 23 accuracy 29 30
Finish: porous concrete, gravel w. (perf.), (screen), gallery, end, horiz. open perf., screen, ad. pt., shored, open hole, other 31
Method (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
Drilled: air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive rot., percussion, rotary, wash, other 32
Date 33 35 Pump intake setting: 36 38
Driller: 39 name 40 address 41
Lift (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submerg, turb, other 39 Deep 40
Power (type): diesel, elec, gas, gasoline, hand, gas, wind, H.P. 39 Trans. or meter no. 40
Descrip. MP 1475 112 136 ft above below LSD, Alt. MP 47 52
Alt. LSD: 1475 112 136 Accuracy: 48 51
Water Level: 94.5 ft above below MP; Ft below LSD 48 51 Accuracy: 48 51
Date meas: 7-29-68 7.6.5 Yield: 50 51 Method determined 51
Drawdown: 52 ft 53 Accuracy: 54 55 Pumping period 56 57
QUALITY OF WATER DATA: Iron 58 Sulfate 174 Chloride 365 Hard. 806 59
Sp. Conduct 60 x 10⁶ 61 Temp. 62 63 Date sampled 7-17-41 74 75
Taste, color, etc. TS 1057

1475
112
136

1440 Corbula

AZ-57-52-210

Well No. AZ-57-52-210

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: Section:

Drainage Basin: Subbasin:

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp.
(S) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: alluvial system series Pearall aquifer, formation, group

Lithology: Origin: Aquifer Thickness: ft

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

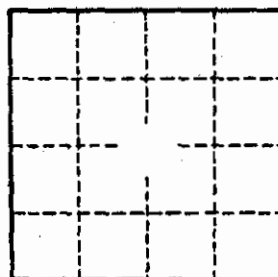
Depth to basement: ft Source of data:

Surficial material: Infiltration characteristics:

Coefficient Trans: gpd/ft Coefficient Storage:

Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards:

Kt
Ktp
Kp



Well No.

THE UNIVERSITY OF TEXAS
AUSTIN

Bureau of Industrial Chemistry

Lab. No. 25411

E. P. Schoch, Director

J. E. Stullken, Chemist

David McKnight, Jr., Ceramic Engineer, Secretary

D. F. Riddell, Chemist

Date Analyzed 7/17/41

Titers of Solutions:

Acid = N/10

Lime = N/10 x 0. 409

Soda = N/10

Sol. of SO₄ = N/10 x 0. 402

Silver = 1 cc. = 0.5 mg. of Cl

Sodium is computed. N.T. = Not tested.

Total alkalinity as HCO₃ = Acid 1

Magnesium = L - Acid 2

Calcium = S - (Acid 3 + L) - (0.15 x g.e./kl. of Mg + 0.1)

Total hardness as CaCO₃ in p.p.m.

g.e./kl. of (Ca + Mg) x 50

Bicarbonates changed to carbonates

in sum of p.p.m.

No. <u>782</u>		Co. <u>Blanco</u>		Loca. <u>1.5 Northeast of Nye</u>	
Owner: <u>Elbert Nowotney</u>					
Depth: <u>112</u> ft.		Sampler: <u>Cumley</u>		Formation:	
Discharge: gpm.		Date: <u>7/17/41</u>			
pH	pH	Cl Chlor.	SO ₄ Ra Sulph.	HCO ₃ Acid 1	Mg Lime (L)
Sample in cc.		<u>10</u>	<u>50</u>	<u>50</u>	<u>50</u>
Buret 2	<u>23.90</u>	<u>4.5</u>	<u>23.05</u>	KEY PUNCHED	
Buret 1	<u>16.50</u>	<u>0.0</u>	<u>20.00</u>		
Diff.	<u>7.40</u>	<u>4.5</u>	<u>3.05</u>	<u>15.0</u>	<u>1.70</u>
Change to N/10	<u>.10</u>	<u>1.809</u>		<u>1.70</u>	<u>9.15</u>
Subt.	<u>7.30</u>	<u>✓</u>		<u>4.12</u>	<u>14.36</u>
g.e./kl.	<u>10.29</u>	<u>3.618</u>	<u>6.12</u>	<u>4.84</u>	<u>7.29</u>
Parts per Million	<u>365</u>	<u>174</u>	<u>372</u>	<u>107</u>	<u>146</u>
Calc. Na g.e./kl. = <u>3.73</u>					
Calc. total solids g.e./kl. <u>11010</u>					
Run for	Turb. SO ₄ <u>170</u> p.p.m.	NO ₃ <u>0.5</u> p.p.m.	NO ₂ <u>0.01</u> p.p.m.		
F. <u>0.5</u> p.p.m.					
F. <u>0.03</u> g.e./kl.					
Notes		Carbon for this error			

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