



MICROFILMED

DEC 13 1988

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

DARRELL FUGATE, Director Engineering
(Applicant)

FIR

INTERSTATE 80-N

SUB

CURTISIAN AVENUE

PROPOSED WELL LOCATION

PROFESSIONAL

NORWOOD DRIVE

PLAZA

EMERALD

PROFESSIONAL

NORWOOD

NORWOOD DRIVE

EMERALD STREET

PROSE

FIRST

DENTON STREET

LARSON

SUB

CLINTON STREET

MORRIS HILL

MICROFILMED

DEC 13 1988

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
MEASURING TAPE						

2. Measurements:

PURDUE COORDINATE METHOD — $y = 4$ INCHES, $x = 12$ INCHES
WITH CONTROLLER SET AT 85 PSI OPERATING PRESSURE.

E. FLOW CALCULATIONS

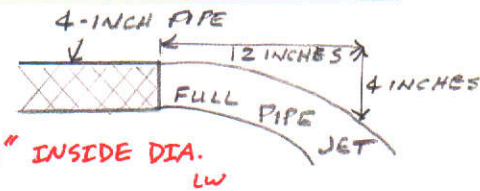
☐ Additional Computation Sheets Attached

1. Measured Method: HANDBOOK FIGURE 92 SHOWS

$170 \text{ GAL/MIN} = 0.38 \text{ cfs}$

2. Alternate Method for Checking Purposes:

HORSEPOWER EQUATION: $\frac{15 \text{ HP} \times 8.8 \times .7}{40 + (2.31 \times 85)} = 0.39 \text{ cfs}$



ASSUME 3" INSIDE DIA.

lw

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi $\times 2.31 =$ _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

; Flow rate: _____ cfs (4)

Water HP: (3) $\times$ (4) $\div 8.8 =$ _____ (5)

Meter Input KW: $3.6 \times$ _____ KH $\times$ _____ CTR or _____ MULT $\times$ _____ PTR $\times$ _____ N/ _____ T = _____ (6)

Meter Input HP: (6) $\times 1.34 =$ _____ (7)

Panel Input KW: _____ Ave PF $\times$ _____ Ave Volts $\times$ _____ Ave Amps $\times .001732 =$ _____ (6)

Panel Input HP: (6) $\times 1.34 =$ _____ (7) Efficiency: (5)/(7) $\times 100 =$ _____ %

MICROFILMED

MAR 06 1992

G. VOLUME CALCULATIONS

permit condition

1. Volume Calculations for Irrigation: APPROVED FLOW $\frac{0.44}{10} = .044 \text{ cfs/A} \times 10 \text{ A} = .44$
USE 0.38 cfs

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10 \text{ A} \times 4.5 = 45 \text{ AFA}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.38 \times 245 \times 1.9835 = 184.7 \text{ AFA}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 45 \text{ AFA}$ MAX

2. Volume Calculations for Other Uses: DOMESTIC USE: 269 BED HOSPITAL: AT 400 GAL/DAY EACH

$269 \text{ BEDS} \times 400 \text{ GAL/DAY/BED} \times 365 \text{ DAYS} = 39,379,000 \text{ GAL} \times \frac{1 \text{ AF}}{325,892 \text{ GAL}} = 120.5 \text{ AFA}$
ALTERATE: $0.18 \text{ cfs} \times 365 \times 1.9835 = 130.3 \text{ AFA}$

R1E R2E

PERMIT 63-16703 INIT CWD

T. R. S. 0/0

P/D 3N 2E 7 SENE

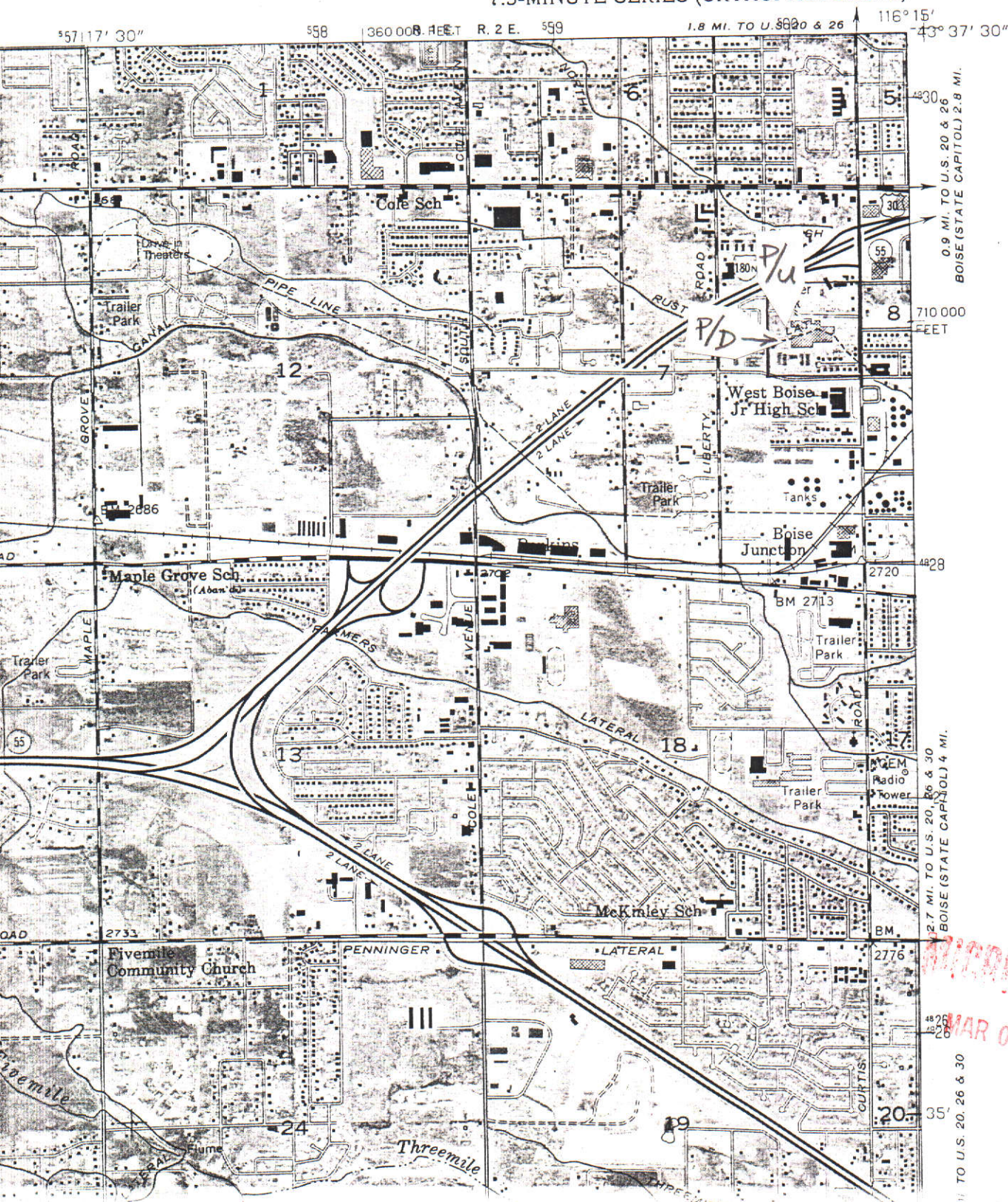
SCALE

PHOTO ID. 4-58

CLOVERD

IDAHO

7.5-MINUTE SERIES (ORTHO PHOTOQUAD)



X5

MICROFILMED
MAR 06 1992

Just & Shubbs irrigated by well

SISTERS OF THE HOLY CROSS RESIDENCE

EMERALD ST.

FREMONT ST.

GAGE ST.

N. CURTIS RD.

CURTISAN ST.

IRVING ST.

FUTURE ENTRY/EXIT

EMERALD PROFESSIONAL PARK

EMPLOYEE PARKING

WELL RD

HARTMAN ST.

LIBERTY MOBILE HOME PARK

LIBERTY ST.

PERMIT 63-10703

AREAS

EAST FIELD 2.2A SW PARKING 0.4A
WEST BEAR 2.1A NORTH PARKING 0.8A
NORTH SITE 1.3A EMPLOYEES PARKING 0.5A
FRONT CURTIS 0.7A ISLAND AND PLANTING 10.0A
FRONT BLDGS 0.6A

MASTER PLAN

ST. ALPHONSUS

REGIONAL MEDICAL CENTER

0 50 100 200 400

N

SPRING 1986
REVISED 5/1/88

MAR 06 1992
MICROFILMED

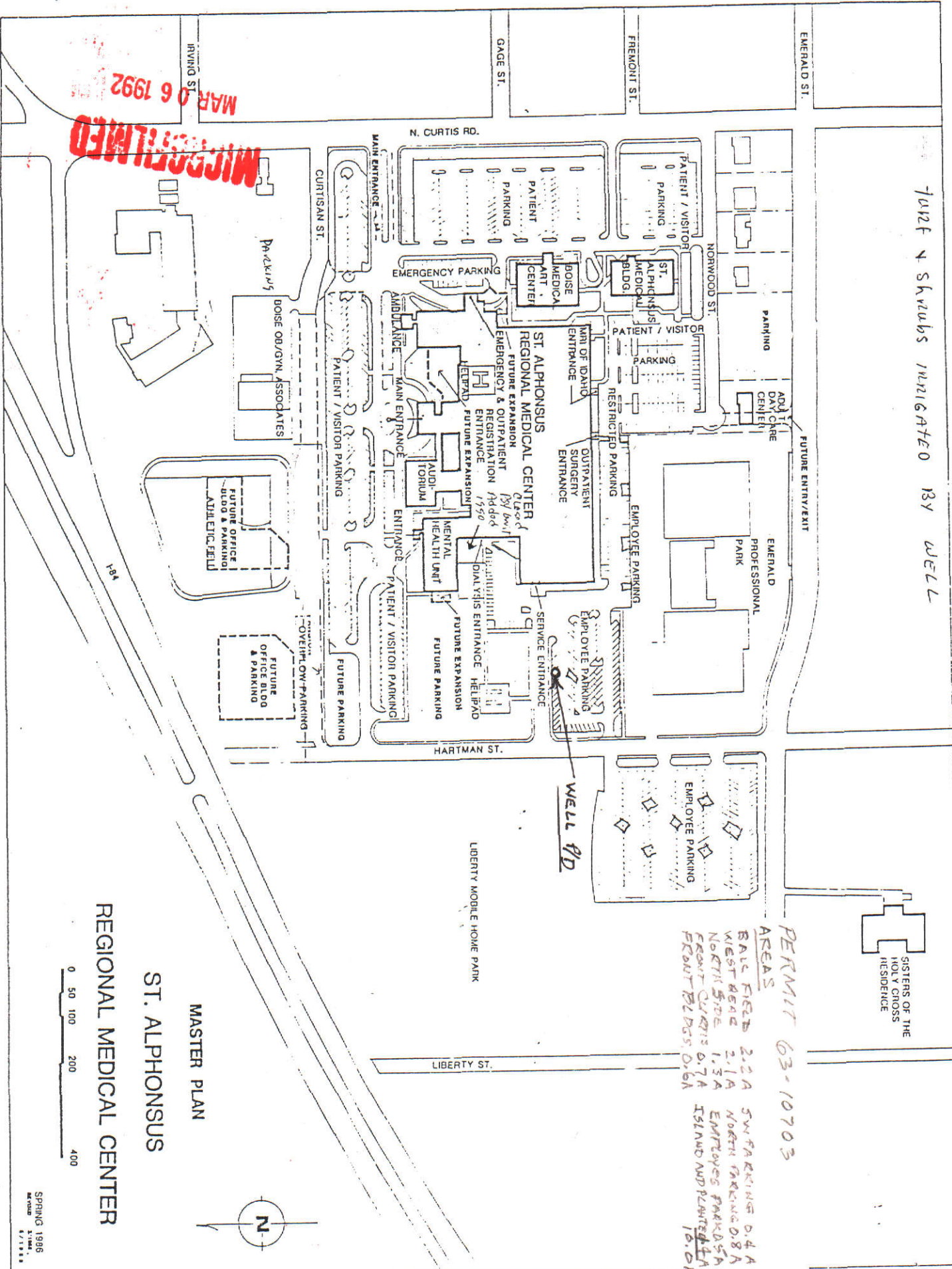


PHOTO #1

10-INCH WELL EQUIPPED WITH 15 HP SUBMERSIBLE PUMP WITH 4-INCH DISCHARGE TO SUPPLY WATER FOR IRRIGATION AND EMERGENCY HOSPITAL DOMESTIC USE.



PHOTO #2

4-INCH SUPPLY LINE FROM THE PUMP ENTERS THE PUMP CONTROL ROOM FROM THE RIGHT AND FLOWS UP TO THE EMERGENCY SUPPLY SYSTEM OR RIGHT TO IRRIGATION.



OLD WELL LEFT LOWER.

MAR 06 1992

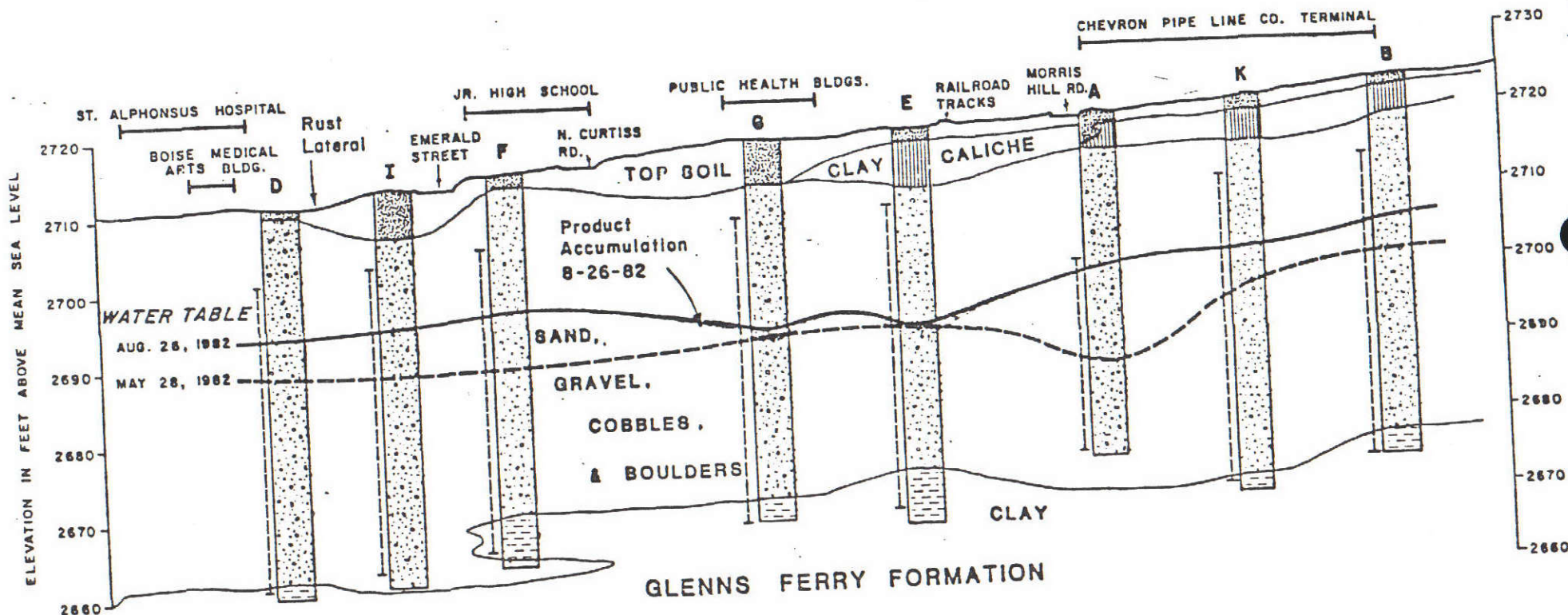
FILED

PHOTO #3
VIEW LOOKING EAST FROM HELICOPTER LANDING PAD,
THE WELL AND PUMP CONTROL BUILDING ARE BY
TREES AT FAR RIGHT,



REPRODUCED
MAR 06 1992

NW



RECEIVED

DEC 13 1988

Well Screen

0 400 Feet

SUBJECT

NW-SE HYDROGEOLOGIC SECTION THROUGH SPILL AREA BOISE, IDAHO

PREPARED FOR

CHEVRON PIPE LINE CO.
BOISE, IDAHO

Geraghty
& Miller, Inc.

COMPILED BY Frits van der Leeden
PREPARED BY G. Schaffner
PROJECT MGR Paula Magnuson

SCALE
Shown
DATE
Nov.-82

FIGURE
2

SW

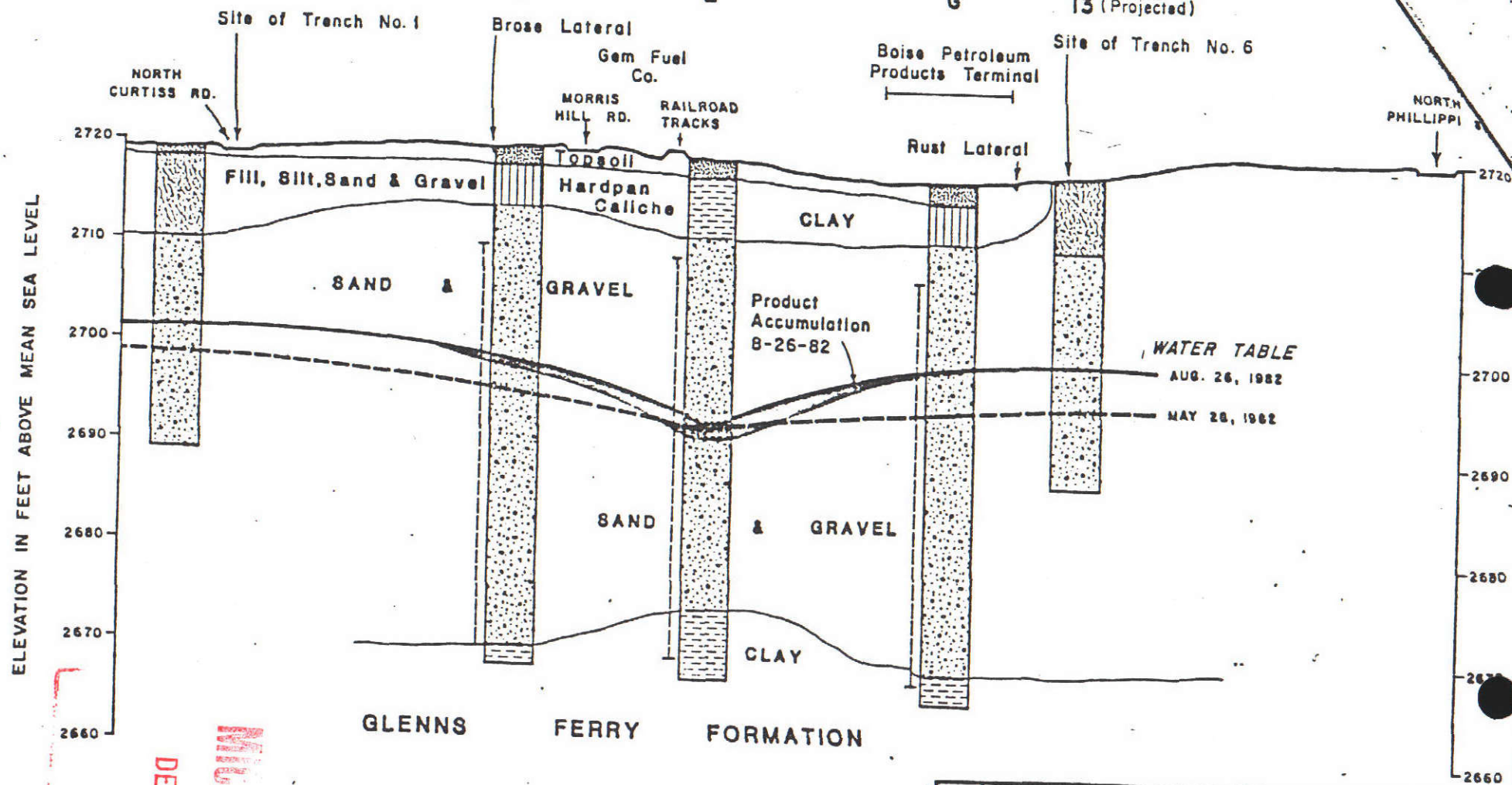
20

J

E

G

13 (Projected)



SUBJECT

SW-NE HYDROGEOLOGIC SECTION
THROUGH SPILL AREA
BOISE, IDAHO

PREPARED FOR

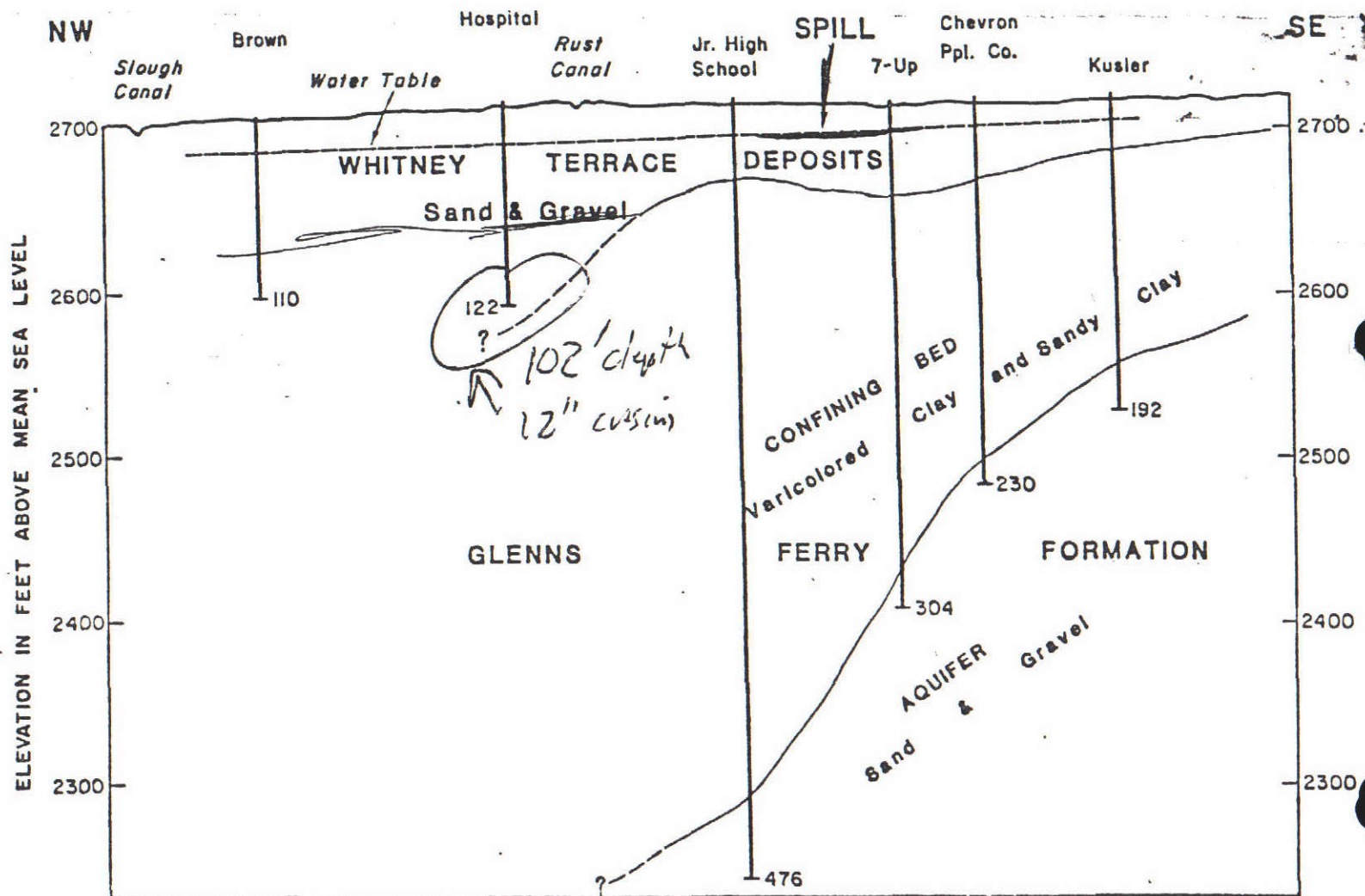
CHEVRON PIPE LINE CO.
BOISE, IDAHO

Geraghty

COMPILED BY Frits van der Leeden

SCALE

FIGURE



DEC 13 1988

RECEIVED

SUBJECT

NW-SE HYDROGEOLOGY
THROUGH SPILL
BOISE, IDAHO

PREPARED FOR

CHEVRON PIPE LINE
BOISE, IDAHO

Geraghty
& Miller, Inc.

COMPILED BY Frits van der
PREPARED BY G. Schaffner

**WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO**

Log No. _____
Rec. _____, 19____
Well No. _____
Permit No. _____

(DO NOT FILL IN)

Owner Charles Fische Driller Ernest Kelsey
Address 2507 Story Ave. Boise Address Blk 8 Eagle Id. Lic. No. 39
Location of Well: $\frac{1}{4}$ $\frac{1}{4}$ Sec. 6, T. 3 N/S, R. 2 E/W B. M. Ada County.

and feet N/S, and feet E/W from corner of $\frac{1}{4}$ $\frac{1}{4}$ Sec.

Water will be used for domestic Total depth of well 408'

Size of drilled hole 4" Weight of casing per linear foot 11 lbs

Thickness of casing $\frac{1}{4}$ " Casing material steel
e.g., pipe, concrete, wood.

Diameter, length and location of casing 4" - 149' - starts at 6' below ground level
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

Number and size of perforations located feet to feet
from surface of ground.

Other perforations:

If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure

If non-flowing well, give depth of standing water from surface 49'

If flowing well, describe control works

On pumping test delivery was 18 g.p.m. or c.f.s. Drawdown was 5 feet
(Type and size of valve, etc.)

Length of time pumped during check was 1 hr. 30 min. Water temp. 60 ° Fahrenheit.

Date of commencement of well Sept. 24-53 Date of completion of well Oct. 14-53

Type of well rig Cable tool

CASING RECORD

Diam. Casing	From Foot	To Foot	Length	Remarks - Seals, Grouting, Etc.
4"	1'	149'-7"		149'-7" casing in the well - below casing open shale hole

GENERAL INFORMATION - Pumping Test, Quality of Water, Etc.

old well - 116' deep - very hard water plus 2 parts per million iron. New well 408' - water is $3\frac{1}{2}$ grain hardness per gallon of water - considered very soft. iron content reduced to .05 part per million.
5.6 3N 3E

MICROFILMED

DEC 13 1968

From Foot	To Foot	Type of Material	Drilling Time		Water-bearing Formation Ass. Yes or No	Casing Perforated Ass. Yes or No
			Hrs.	Min.		
0'	2'	top soil		10	no	
2'	7'	hard pan		20	"	
7'	15'	gravel	4		"	
15'	20'	gravel	1		no	
20'		gravel	5		yes	
26'	39'	gravel	6	30	yes	
39'	42'	sandy clay		15	no	
42'	46'	coarse sand		15	yes	
46'	49'	clay		10	no	
49'	78'	clay with occasional streaks of sand	5		yes	
78'	95'	clay with sand streaks	3		yes	
95'	103'	blue shale or blue clay		20		
103'	104'	yellow clay + some yellow sand		10		
104'	107'	blue shale		15	no	
107'	128'	blue shale sand openings coarse sand opening at 128'	5	30	yes	

If more space is required use Sheet No. 2

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed

Ernest Kelsey

By

Subscribed

Dated

19

Subscribed and sworn before me this

day of

License No. 39

Notary Public

My commission expires

Building at

MICROFILMED

DEC 13 1988

SHEET NO. 2

Well Driller

Ernest Kahay

Well Location

Charles Fiddle

3 N 2 E S. 6

WELL LOG

From Foot	To Foot	Type of Material	Drilling Time		Water-bearing Formations Ass. Yes or No	Casing Perforated Ass. Yes or No
			Hrs.	Min.		
128'	141'	blue shale	2		no	no
141'	143'	coarse blue sand		5	yes	
143'	149'	blue shale	2		no	
149'	210'	blue shale	7		no	
210'	285'	blue shale	7		no	
285'	330'	blue shale	4	30	no	
330'	380'	blue shale	5		no	
380'	399'	blue shale	4		no	
399'	406'	blue shale	1			
406'	408'	medium coarse sand	3		yes	

563A-2E

MICROFILMED

DEC 13 1988

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No. _____
Rec. _____, 19____
Well No. _____
Permit No. _____

(DO NOT FILL IN)

Owner NORTH VIEW WATER CO. INC.
Address 2310 Buena Vista, Idaho
Location of Well: $\frac{1}{4}$ $\frac{1}{4}$ Sec. E, T. 13 N./S. R. 5 E/W
and _____ feet N/S, and _____ feet E/W from _____ corner of $\frac{1}{4}$ $\frac{1}{4}$ Sec.
Water will be used for Subdivision
Size of drilled hole 10 inch
Thickness of casing standard
Diameter, length and location of casing
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)
Number and size of perforations 250--3/16 by 5" located 375 feet to 605 feet
from surface of ground.
Other perforations:
If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____
If non-flowing well, give depth of standing water from surface _____
If flowing well, describe control works _____
(Type and size of valve, etc.)
On pumping test delivery was 400 g.p.m. or _____ c.f.s. Drawdown was 21 feet
Length of time pumped during check was 2 hr. _____ min. Water temp. _____ ° Fahrenheit.
Date of commencement of well July 1, 1954 Date of completion of well August 24, 1954
Type of well rig Cable tools

CASING RECORD

Diem. Casing	From Foot	To Foot	Length	Remarks - Seals, Grouting, Etc.
10"	1' above ground		186'	Drove tight 1 blue clay.

GENERAL INFORMATION - Pumping Test, Quality of Water, Etc.

S. 6 31 1E

DEC 13 1988

SHEET NO. 2

Well Driller

Russell Davis

Well Location

Pacheco, Texas

WELL LOG

From Foot	To Foot	Type of Material	Drilling Time		Water-bearing Formation Ant. Yds or Ft.	Casing Perforated Ant. Yds or Ft.
			Hrs.	Min.		
0	5	Dirt hard pan			0	0
5	42	Gravel			Water bearing	42'
42	179	loose heaving sand			Water bearing	
179	372	Blue clay				
372	468	Soft blue sandstone			Water	
468	511	Blue clay				
511	605	Soft blue and white sandstone			Water	

10" casing
to 106 feet set tight in blue clay.

The 10" hole drilled to 605 ft.
with 468 ft. of 6 in. standard pipe
centered in 10" hole then gravel
packed with round gravel having 48
ft. of 10 inch casing with 6 in. 1 ft
thread coupling then 6 in. packed
on top of 6" coupling.

6 in. snap perforated 372-468 and
511-605

S.G. 3425

MICROFILMED

DEC 13 1988

WELL 109

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	2	soil		
2	7	hard pan		
7	58	dry gravel		
58	128	brown clay		
128	138	sand and gravel		
138	164	sand and clay		
164	222	sand and clay		
222	228	clean sand		
228	258	muddy sand		
258	295	blue shale		
295		water bearing sand		
295	340	blue shale		
340	345	muddy sand		
345	375	blue shale		
375	380	sand		
380	390	muddy sand		
390	442	coarse sand and gravel		
442	447	sand and small gravel		
If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed _____

By _____

Dated _____, 19____

License No. 65 _____

MICROFILMED

DEC 13 1988

Well Driller

Well Location

WELL LOG

[illegible]

NE NW S. 18 32 25

RECEIVED
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050
2051
2052
2053
2054
2055
2056
2057
2058
2059
2060
2061
2062
2063
2064
2065
2066
2067
2068
2069
2070
2071
2072
2073
2074
2075
2076
2077
2078
2079
2080
2081
2082
2083
2084
2085
2086
2087
2088
2089
2090
2091
2092
2093
2094
2095
2096
2097
2098
2099
2100
2101
2102
2103
2104
2105
2106
2107
2108
2109
2110
2111
2112
2113
2114
2115
2116
2117
2118
2119
2120
2121
2122
2123
2124
2125
2126
2127
2128
2129
2130
2131
2132
2133
2134
2135
2136
2137
2138
2139
2140
2141
2142
2143
2144
2145
2146
2147
2148
2149
2150
2151
2152
2153
2154
2155
2156
2157
2158
2159
2160
2161
2162
2163
2164
2165
2166
2167
2168
2169
2170
2171
2172
2173
2174
2175
2176
2177
2178
2179
2180
2181
2182
2183
2184
2185
2186
2187
2188
2189
2190
2191
2192
2193
2194
2195
2196
2197
2198
2199
2200
2201
2202
2203
2204
2205
2206
2207
2208
2209
2210
2211
2212
2213
2214
2215
2216
2217
2218
2219
2220
2221
2222
2223
2224
2225
2226
2227
2228
2229
2230
2231
2232
2233
2234
2235
2236
2237
2238
2239
2240
2241
2242
2243
2244
2245
2246
2247
2248
2249
2250
2251
2252
2253
2254
2255
2256
2257
2258
2259
2260
2261
2262
2263
2264
2265
2266
2267
2268
2269
2270
2271
2272
2273
2274
2275
2276
2277
2278
2279
2280
2281
2282
2283
2284
2285
2286
2287
2288
2289
2290
2291
2292
2293
2294
2295
2296
2297
2298
2299
2300
2301
2302
2303
2304
2305
2306
2307
2308
2309
2310
2311
2312
2313
2314
2315
2316
2317
2318
2319
2320
2321
2322
2323
2324
2325
2326
2327
2328
2329
2330
2331
2332
2333
2334
2335
2336
2337
2338
2339
2340
2341
2342
2343
2344
2345
2346
2347
2348
2349
2350
2351
2352
2353
2354
2355
2356
2357
2358
2359
2360
2361
2362
2363
2364
2365
2366
2367
2368
2369
2370
2371
2372
2373
2374
2375
2376
2377
2378
2379
2380
2381
2382
2383
2384
2385
2386
2387
2388
2389
2390
2391
2392
2393
2394
2395
2396
2397
2398
2399
2400
2401
2402
2403
2404
2405
2406
2407
2408
2409
2410
2411
2412
2413
2414
2415
2416
2417
2418
2419
2420
2421
2422
2423
2424
2425
2426
2427
2428
2429
2430
2431
2432
2433
2434
2435
2436
2437
2438
2439
2440
2441
2442
2443
2444
2445
2446
2447
2448
2449
2450
2451
2452
2453
2454
2455
2456
2457
2458
2459
2460
2461
2462
2463
2464
2465
2466
2467
2468
2469
2470
2471
2472
2473
2474
2475
2476
2477
2478
2479
2480
2481
2482
2483
2484
2485
2486
2487
2488
2489
2490
2491
2492
2493
2494
2495
2496
2497
2498
2499
2500
2501
2502
2503
2504
2505
2506
2507
2508
2509
2510
2511
2512
2513
2514
2515
2516
2517
2518
2519
2520
2521
2522
2523
2524
2525
2526
2527
2528
2529
2530
2531
2532
2533
2534
2535
2536
2537
2538
2539
2540
2541
2542
2543
2544
2545
2546
2547
2548
2549
2550
2551
2552
2553
2554
2555
2556
2557
2558
2559
2560
2561
2562
2563
2564
2565
2566
2567
2568
2569
2570
2571
2572
2573
2574
2575
2576
2577
2578
2579
2580
2581
2582
2583
2584
2585
2586
2587
2588
2589
2590
2591
2592
2593
2594
2595
2596
2597
2598
2599
2600
2601
2602
2603
2604
2605
2606
2607
2608
2609
2610
2611
2612
2613
2614
2615
2616
2617
2618
2619
2620
2621
2622
2623
2624
2625
2626
2627
2628
2629
2630
2631
2632
2633
2634
2635
2636
2637
2638
2639
2640
2641
2642
2643
2644
2645
264

USGS

DEC 13 1988

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-10703

Priority: September 13, 1988

Maximum Diversion Rate:

0.38 CFS

Maximum Diversion Volume:

80.7 AF

This is to certify, that ST ALPHONSUS REGIONAL MEDICAL CENTER

1055 N CURTIS RD

BOISE ID 83706

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated September 13, 1988; and has submitted Proof of Beneficial Use on May 19, 1989. An examination indicates that the works have a diversion capacity of .390 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.38 CFS	45.0 AF
DOMESTIC	01/01 to 12/31	0.18 CFS	35.7 AF
	Totals	0.38 CFS	80.7 AF

LOCATION OF POINT(S) OF DIVERSION:

SENE , Sec. 7, Township 03N, Range 02E
ADA County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
03N	02E	7	SENE	10		10

Total number of acres irrigated: 10

PLACE OF USE: DOMESTIC, same as IRRIGATION use

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Domestic use is for emergency water supply to the medical center.

SEP 06 1992

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-10703

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 12TH
day of FEBRUARY, 1992.


R. Keith Higginson, Director

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant SAINT ALPHONSUS REGIONAL MEDICAL CENTER Phone 378-2703
Post office address 1055 N Curtis Rd, Boise, Id 83706

2. Source of water supply Ground Water which is a tributary of NA

3. Location of point of diversion is SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of $\frac{1}{4}$, Govt. Lot
Sec. 7 Township 3N Range 2E B.M. Ada County; additional
points of diversion if any:

4. Water will be used for the following purposes:
0.44 cfs per letter dated 9/19/1988
Amount 0.54 for Irrigation purposes from Mar 15 to Nov 15 (both dates inclusive)
(cfs or acre-feet per annum) Emergency Domestic *
Amount 0.18 for Drinking Water purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)
Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 0.62 cfs and/or (b) 0.72
cubic feet per second acre feet per annum

6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Electric well pump capable of between
220 - 240 gpm @ 60 - 80 lbs pressure

b. Height of storage dam NA feet; active reservoir capacity acre-feet; total
reservoir capacity acre-feet; period of year when water will be diverted to storage:
 to inclusive.

c. Proposed well diameter is 10 inches; proposed depth of well is 300-500 feet.

d. Is ground water with a temperature of greater than 90°F being sought? No

7. Time required for the completion of the works and application of the water to the proposed beneficial use is
1 years (minimum 1 year).

RECORDED

DEC 13 1988

** per letter of 9/13/88, also see remarks*

8. Description of proposed uses (if irrigation only, go to item 9):

- a. Hydropower; show total feet of head and proposed capacity in KW. NA
- b. Stockwatering; list number and kind of livestock. NA
- c. Municipal; show name of municipality. NA
- d. Domestic; show number of households. 269 bed medical center emergency water supply
- e. Other; describe fully. Irrigation is primary use - When emergency water is needed in-house irrigation would cease until the emergency subsided.

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	2 E	7				10													10
		7				D													

Total number of acres to be irrigated 10

10. Describe any other water rights used for the same purposes as described above. None

11. a. Who owns the property at the point of diversion? Saint Alphonsus Regional Medical Center
- b. Who owns the land to be irrigated or place of use? Saint Alphonsus Regional Medical Center
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. NA

12. Remarks: Our irrigation system was initially designed for well source of water with 278 gpm @ 60 - 80 lbs pressure. It has been difficult to achieve this with city water which has been our primary source of water since the aquafer was contaminated by gasoline apprx 6 yrs ago. Joint Commission for Accreditation of Health Organizations requires us to have an emergency drinking water supply. This new well will satisfy both requirements.

RZE

T3N

7

P/D P/u

○

MICROFILMED

DEC 19 1993

Darrell Fugate
DARRELL FUGATE, Director Engineering
(Applicant)

Proposed Priority 9/13/1988

Received by DRF Date 9/13/1988 Time 11:45 am Preliminary check by SL
Fee \$ 45.00 Received by DRF # W600868 Date 9/13/1988
Publication prepared by GG Date 9-28-88 Published in ID Statesman
Publication approved DR Date 10-17-88 10/6 & 1013/88

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 63-10703, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before December 1, 19 89.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other: Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

The rate of flow for irrigation purposes shall be limited to 0.44 cfs and the total rate of diversion shall be limited to 0.62 cfs under this permit.

Any well drilling to obtain water for diversion under this permit shall be strictly in accordance with the requirements of a well drilling permit.

This permit authorizes the use of groundwater with a bottom hole temperature of less than 85°F.

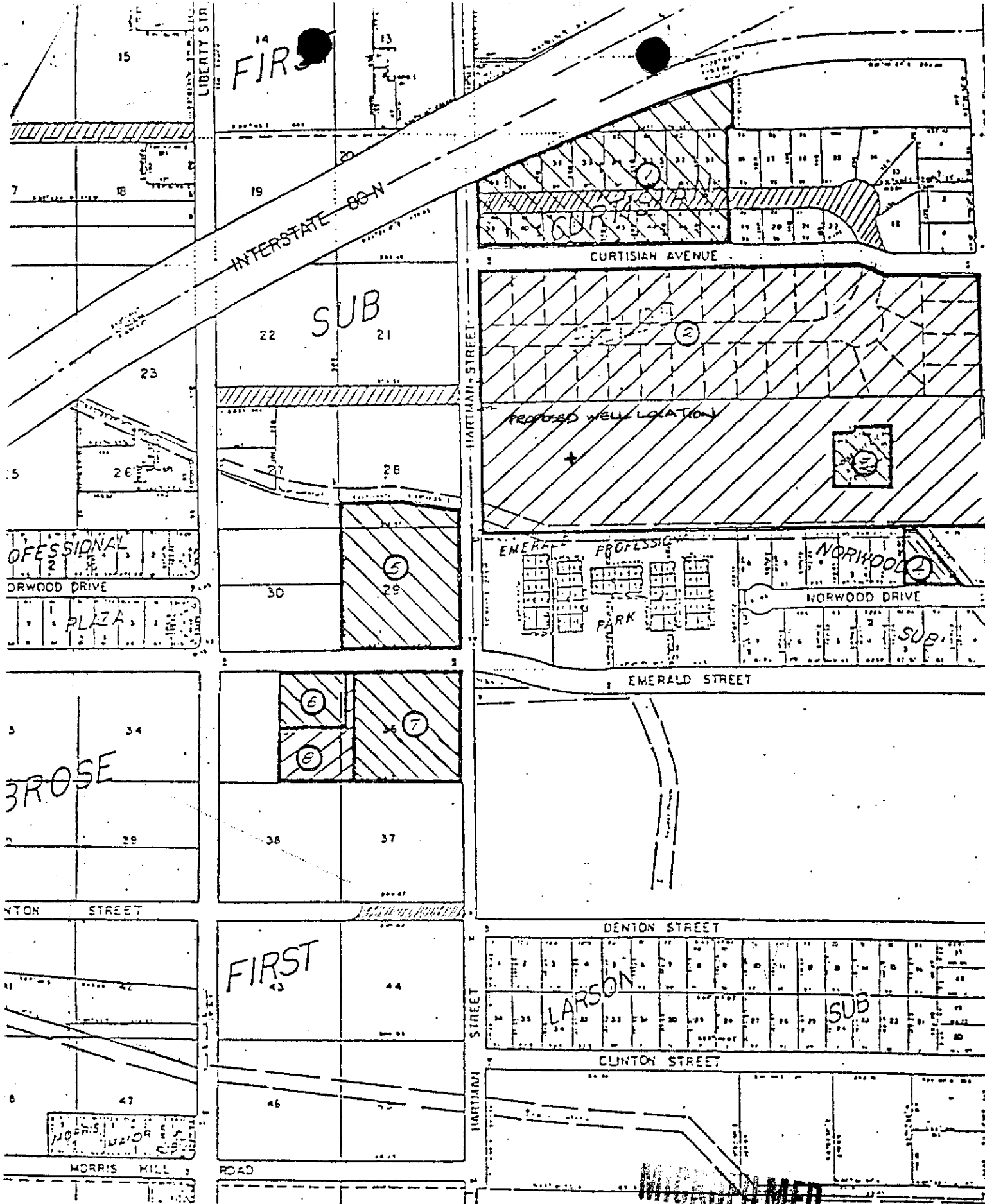
The Director retain jurisdiction of this permit if water with a bottom hole temperature of 85°F or more is encountered.

Witness my hand this 8th day of November, 1988.

A. Glen Saylor
Chief, Operations Bureau

MICROFILMED

DEC 13 1988



DEC 13 1988

DESCRIPTION OF LICENSEE'S LAND

LEGAL DESCRIPTIONS#1

Lots 31 - 46, lying south of U.S. Interstate Highway 80 and except for road rights-of-way, Curtisian Fields Subdivision, according to the official plat thereof, filed in the records of Ada County, Idaho;

and -

A parcel of land being on the Southeasterly side of the center line of Interstate 80N Project No. I-IG-80N-1 (22)50 Highway Survey as shown on the plans thereof now on file in the office of the Department of Highways of the State of Idaho, and being a portion of the Northeast Quarter of the Northeast Quarter of Section 7, Township 3 North, Range 2 East, Boise Meridian, described as follows, to-wit:

Beginning at the Southeast corner of the tract of land as described in that certain Warranty Deed dated March 6, 1957, recorded March 18, 1957, as Instrument No. 407807, records of Ada County, Idaho, which corner is shown of record to bear East 685.0 feet from the Southwest corner of the Northeast Quarter of the Northeast Quarter of Section 7, Township 3 North, Range 2 East, Boise Meridian; thence North 0° 19' 26" East (shown of record to be North 0° 35' West) along the East line of said tract of land 133.48 feet to a point in a line parallel with and 70.0 feet Southeasterly from the centerline of Ramp A-B Survey of the Curtis Road Interchange as shown on the plans of said Interstate 80N, Project No. I-IG-80N-1(22)50 Highway Survey; thence Southwesterly along said parallel line being a 1,362.40 foot radius curve left 198.0 feet, more or less, to a point opposite Station 1+95.43 of said Ramp A-B Survey; thence South 70° 34' 09" West, 232.0 feet, more or less, to a point in the South line of said tract of land; thence South 89° 46' 34" East (shown of record to be East) along said South line 406.18 feet to the PLACE OF BEGINNING.

Highway Station Reference: 2709+85 to 2714+18.

The area above described contains approximately 0.63 acres.

#2

A parcel of land located in the SE¼ NE¼ of Section 7, Township 3 North, Range 2 East, B.M., Ada County, Idaho, said parcel being more particularly described as follows:

Beginning at the quarter corner common to Sections 7 and 8, in said T.3N., R.2E., B.M.; thence

DEC 13 1988

LEGAL DESCRIPTIONS (Cont'd)

North 0°01' West along the section line common to said Sections 7 and 8, a distance of 336.96 feet to a point; thence

North 89°02'04" West, a distance of 40.00 feet to a point, said point being the REAL POINT OF BEGINNING; thence

North 0°01' West, a distance of 647.47 feet; thence along the arc of a curve to the left, a distance of 10.06 feet, to a point; said curve having a radius of 25.00 feet, a central angle of 23°03'49", and a long chord bearing North 77°58'50" West, a distance of 10.00 feet to the end curve point; thence

North 89°30'14" West, a distance of 224.20 feet; thence
North 63°16'51" West, a distance of 54.11 feet; thence
North 89°45'24" West, a distance of 976.59 feet; thence
South 0°06'21" West, a distance of 655.24 feet; thence
South 88°43'21" East, a distance of 642.41 feet; thence
South 89°02'04" East, a distance of 618.12 feet to the REAL POINT OF BEGINNING.

#3

A parcel of land located in the SE¼ NE¼ of Section 7, T.3N., R.2E., B.M., Ada County, Idaho, said parcel being more particularly described as follows:

Beginning at the quarter corner common to Sections 7 and 8, in said T.3N., R.2E., B.M.; thence

North 0°01' West along the section line common to said Sections 7 and 8, a distance of 336.96 feet to a point; thence

North 89°02'04" West, a distance of 40.00 feet to a point; thence

North 88°40'41" West, a distance of 372.45 feet to a point; thence

North 1°01'43" East a distance of 100.76 feet to a point; said point being the REAL POINT OF BEGINNING; thence

South 88°58'17" East a distance of 160.00 feet to a point; thence

North 1°01'43" East a distance of 159.00 feet to a point; thence

North 88°58'17" West a distance of 104.88 feet to a point; thence

South 1°01'43" West a distance of 14.00 feet to a point; thence

North 88°58'17" West a distance of 55.12 feet to a point; thence

South 1°01'43" West a distance of 145.00 feet to the REAL POINT OF BEGINNING.

MICROFILMED

DEC 13 1988

LEGAL DESCRIPTIONS (Cont'd)

#4

Lot 1, Block 1, except the West 2 feet thereof, Norwood Subdivision, according to the official plat thereof filed in the records of Ada County, Idaho.

#5

Lot 29 and that portion of Lot 28 lying South of the South Bank of the Rust Lateral Ditch, all in Brose Subdivision, Boise City, Ada County, Idaho, more particularly described as follows:

Beginning at the Southeast corner of Lot 29; thence North 88°55' West along the South boundary of Lot 29, 308.98 feet, to the Southwest corner thereof; thence North 0°07' West along the West boundaries of Lots 29 and 28, 372.18 feet, to a point on the South Bank of the Rust Lateral Ditch; thence along the South Bank of the Rust Lateral Ditch the following courses and distances:

South 81°34'30" East 10.43 feet, North 89°11'30" East, 154.42 feet, South 79°16'30" East 146.50 feet, to a point on the East boundary of Lot 28; thence South 0°10' East along the East boundary of Lots 28 and 29, 351.40 feet, to a point, the point of beginning, containing 2.614 acres, more or less.

#6

A portion of Lots 35 and 36 in Brose First Subdivision, Boise City, Ada County, Idaho, more particularly described as follows:

Beginning at a point on the North line of Lot 35 of Brose First Subdivision, Boise City, Ada County, Idaho, 156.48 feet West of the East line of Lot 35; thence South 133 feet on a line parallel to the East line of Lot 35 to a point in Lot 35; thence East 163 feet on a line parallel to the South line of Lots 35 and 36 to a point in Lot 36; thence North 133 feet on a line parallel to the West line of Lot 36 to a point on the South line of Emerald Street; thence West along the South line of Emerald Street 163 feet to the POINT OF BEGINNING.

#7

Lot 36 and the East 156.48 feet of Lot 35 of Brose First Subdivision, according to the official plat thereof filed in the records of Ada County, Idaho,

except #6 and #8.

MICROFILMED

DEC 13 1988

LEGAL DESCRIPTIONS (Cont'd)

#8

Beginning at a point on the South line of Lot 35 of Brose First Subdivision, Boise City, Ada County, Idaho, 156.48 feet West of the East line of Lot 35; thence North 164.0 feet on a line parallel to the East line of Lot 35 to a point in Lot 35; thence East 163.0 feet on a line parallel to the South line of Lots 35 and 36 to a point in Lot 36; thence North 133.0 feet on a line parallel to the West line of Lot 36 to a point on the South line of Emerald Street; thence East 12.0 feet along the South line of Emerald Street to a point; thence South 297.0 feet on a line parallel to the West line of Lot 36 to a point on the South line of Lot 36; thence West 175.0 feet along the South line of Lots 36 and 35 to the point of beginning.

MICROFILMED

DEC 13 1988

FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-10657

Church of Jesus Christ
Latter Day Saints
Meridian Idaho Stake
2591 Rebecca Way
Meridian, ID 83642
Source: Groundwater
Diverson Pt: NWNW Sec 11 T
03N R 01W
Use: Irrigation (.150 CFS)
Date Filed: 07/06/1988
In: T03N R01W S11 NWNW
5.0 ACRES TOTAL

63-10703

St. Alphonsus Regional
Medical Ctr.
1055 N. Curtis Rd.
Boise, ID 83706
Source: Groundwater
Diverson Pt: SENE Sec 7 T
03N R 02E
Use: Irrigation (.540 CFS)
Domestic (.180 CFS)
Date Filed: 09/13/1988
In: T03N R02E S07 SENE
10.0 ACRES TOTAL

63-10704

Boise Park System
1104 Royal Blvd.
Boise, ID 83706
Source: Groundwater
Diverson Pt: SENWSE Sec 7
T 03N R 02E
Use: Irrigation (.450 CFS)
Date Filed: 09/16/1988
In: T03N R02E S07 NWSE
8.0 ACRES TOTAL

63-10710

Hagdorn, William G.
Hagdorn, Sandra Y.
2641 Haven Dr.
Eagle, ID 83616
Source: Groundwater
Diverson Pt: SENW Sec 31 T
05N R 01E
Use: Irrigation (.110 CFS)
Domestic (.040 CFS)
Date Filed: 09/20/1988
In: T05N R01E S31 SWNW
SENW
5.5 ACRES TOTAL

63-10711

Corn, Richard G.
Rt. 6
Nampa, ID 83651
Source: Groundwater
Diverson Pt: SWSW Sec 33 T
03N R 01W
Use: Irrigation (.030 CFS)
Date Filed: 09/23/1988
In: T03N R01W S33 SWSW
1.0 ACRES TOTAL

63-10712

Church of Jesus Christ
Latter Day Saints
11443 Shamrock/McMillan
Rd.
Boise, ID 83704
Source: Groundwater
Diverson Pt: NENW Sec 34 T
04N R 01E
Use: Irrigation (.120 CFS)
Date Filed: 09/23/1988
In: T04N R01E S34 NENW
4.0 ACRES TOTAL

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 on or before OCTOBER 24, 1988.

R. KEITH HIGGINSON
Director

Pub. Oct. 6, 13, 1988

9852

Department of Water Resources

) Western Region Office

STATE OF IDAHO

) ss.

COUNTY OF ADA

Debbie Richards

, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto; that said notice was published in The Idaho Statesman in conformity with Section 60-108, Idaho Code as amended, for 2 consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of October 6, 19 88

and ending with the issue of October 13, 19 88

Debbie Richards

Subscribed and sworn to before me this 13th

day of October, 19 88

Notary Public

Notary Public for Idaho, Residing at Boise, Idaho

MICROFILMED

DEC 13 1988

February 13, 1992

ST ALPHONSUS REGIONAL MEDICAL CENTER
1055 N CURTIS RD
BOISE ID 83706

RE: WATER RIGHT NO. 63-10703

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

SHARLA CURTIS
Water Resource Agent

SC:blm

Enclosure

MICROFILMED

MAR 06 1992

January 24, 1992

ST ALPHONSUS REGIONAL MEDICAL CENTER
1055 N CURTIS RD
BOISE ID 83706

RE: WATER RIGHT NO. 63-10703

Dear Water Right Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

SHARLA CURTIS
Water Resource Agent

SC:blm

Enclosure

MICROFILMED

MAR 06 1992

MEMORANDUM

TO: File 63-10703
FROM: Sharla
DATE: November 27, 1991
RE: Volume Calculations

Domestic use under this right is for emergency supply at the hospital. Obviously emergency use is not going to occur 365 days a year and therefore, it is not reasonable to issue a license with a volume calculation for domestic use based upon 365 days/year.

The volume for domestic use has been calculated upon an assumption of 100 days/year of use.

$.18 \text{ cfs} \times 100 \text{ days} \times 1.9835 = 35.7 \text{ AF}$

MICROFILMED

MAR 06 1992

LICENSE REVIEW CHECKLIST

Permit No. 63-10703

Name/Address change? ok ✓

Priority date Advance? yes no ✓

Memo to advance

Order to reinstate needed? yes no ✓

Total cfs Limited by fee OK

Limited by capacity ✓

Total volume Limited by flow

Chart checked for AF rate/ac ✓ 4.5

Capacity Actual measurement checked

Theoretical checked

If greater than permit, check for other rts

Source Changed? yes no ✓

If so, is memo needed to clarify?

P/D Verify with map ✓ permit ✓

More than one per 1/4? Remember remark

Check p/d overlap

Uses Check irrigation period of use w/ chart

P/U Verify with map ✓ permit ✓

> 5 acres irrigated, run overlap

Remarks More than one p/d in 1/4

Description of non-irrig uses

Special overlap condition

Conditions -

Measuring device

W.Master control

Overlap

Water quality all permit

Other cond met

Dates/Misc. -

Water Dist

App Rec'd ✓

Proof Rec'd ✓

Comments/Changes to Examiner's Recommendations:

License 50 10-day ✓ 30-day

Date 11/20/91 Review time 6 min.

Qw

WR0734NP
No. L63-10703

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 11/06/91
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	ST ALPHONSUS REGIONAL MEDICAL CENTER 1055 N CURTIS RD BOISE ID 83706 (208) 378-2703	09/13/1988	IRRIGATION DOMESTIC	03-15 11-15 01-01 12-31	0.38 CFS 0.18 CFS	45.0 AFA 35.8 AFA
TOTAL DIVERSION:					0.38 CFS	80.8 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.39 CFS

Point(s) of Diversion: T03N R02E S07 SE NE

Place of use Legal Description for: IRRIGATION

NE				NW				SW				SE								
T	R	S	: Lt Ac	Lt Ac	Lt Ac	Lt Ac	: Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	: Lt Ac	Lt Ac	Lt Ac	Lt Ac	: Lt Ac	Lt Ac	Lt Ac	Lt Ac	: SUM
03N	02E	7	:				10	:												10.0
TOTAL ACRES																			10.0	

Place of use location for DOMESTIC is the same location as described for: IRRIGATION

Other Water Rights with Same Point(s) of Diversion and Source:

~~63-10703~~

Other Water Rights Listing Overlapping Place(s) of use:

~~63-10703~~

Remarks: Domestic use is for emergency water supply to the medical center.

Dates: App. Received: 09/13/1988 Priority Date: 09/13/1988
Proof Due Date: 12/01/1989 Proof Made Date: 05/19/1989
Exam Made Date: 06/11/1990 Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee: R (Received)

Audit: 11/06/91 CURTIS

[illegible]

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 63-10703

1. Owner: SAINT ALPHONSUS REGIONAL MEDICAL C? Phone No. 378-3309
Current Address: 1055 NORTH CURTIS ROAD, BOISE, IDAHO 83706
2. Accompanied by: PAUL ENTZMINGER EXAM. DATE: JUNE 11, 1990
Address: SAME Phone No. _____

Relationship to Permit Holder: SPECIAL PROJECTS MANAGER

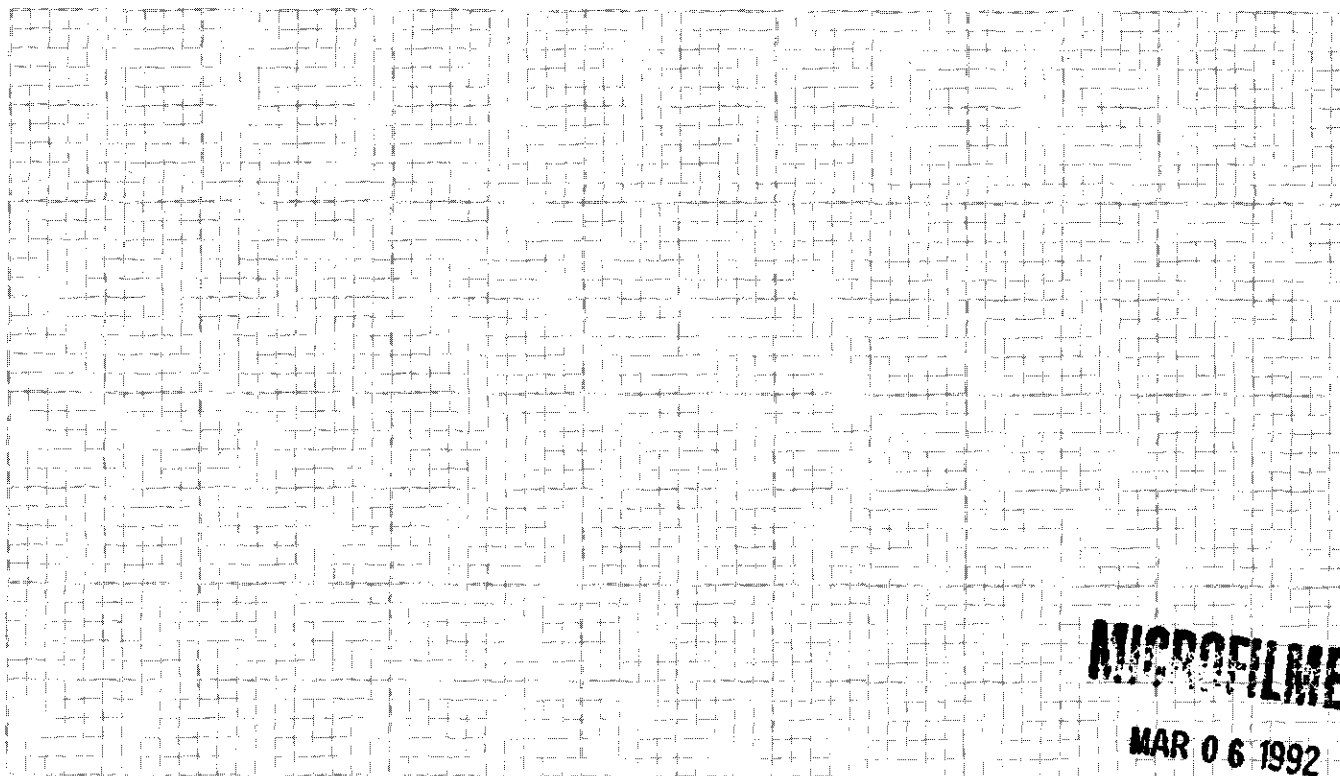
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE
_____ ☐ Copies Attached
2. Other water rights with same point of diversion: NONE
_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. Diversion System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☒ Alternative diagram attached



Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required). ☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

A 10-INCH WELL EQUIPPED WITH A 15 HP SUBMERSIBLE PUMP SUPPLIES WATER FOR IRRIGATION OF LAWN AND LANDSCAPING PLANTINGS AND EMERGENCY USE AT THE HOSPITAL. THE FLOW IN THE SYSTEM WAS MEASURED BY OPEN PIPE DISCHARGE ONTO THE STREET NEAR THE PUMP CONTROL HOUSE. THE OLD WELL IS SEALED WITH A WELDED CAP (LOCATED IN CONTROL BUILDING).

☐ See Remarks on page 4 for continuation

- 4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WELL	UNKNOWN	15	UNKNOWN	SUBMERSIBLE	DISCHARGE 4 INCH

*Code to correspond with No. on map and aerial photo

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
WELL			SE	NE	7	3N	2E	ADA	ORTHO PHOTO MAP, HOSPITAL MAP

6. Place(s) of Use:

Indicate Method of Determination SAME AS ITEM 5

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
3N	2E	7				10													10

MICROFILMED

MAR 06 1992

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
MEASURING TAPE						

2. Measurements:

PURDUE COORDINATE METHOD — $y = 4$ INCHES, $x = 12$ INCHES
WITH CONTROLLER SET AT 85 PSI OPERATING PRESSURE.

E. FLOW CALCULATIONS

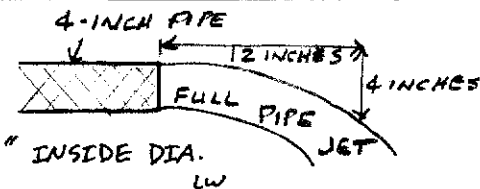
☐ Additional Computation Sheets Attached

1. Measured Method: HANDBOOK FIGURE 92 SHOWS

170 GAL/MIN = 0.38 cfs

2. Alternate Method for Checking Purposes:

HORSEPOWER EQUATION: $\frac{15 \text{ HP} \times 8.8 \times .7}{40 + (2.31 \times 85)} = 0.39 \text{ cfs}$



ASSUME 3" INSIDE DIA.
LW

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

: Flow rate: MAR 06 1992

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

permit condition

1. Volume Calculations for Irrigation: APPROVED FLOW ~~1.44 cfs~~ $\frac{0.44}{10} = .044 \text{ cfs/A} \times 10A = .44$
USE 0.38 cfs

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10A \times 4.5 = 45 \text{ AFA}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.38 \times 245 \times 1.9835 = 184.7 \text{ AFA}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 45 \text{ AFA}$ MAX

2. Volume Calculations for Other Uses: DOMESTIC USE: 369 BED HOSPITAL AT 400 GAL/DAY EACH

369 BEDS x 400 GAL/DAY/BED x 365 DAYS = 39, 274, 000 GAL x $\frac{1 \text{ AF}}{325, 892 \text{ GAL}} = 120 \text{ AFA}$
ALTERATE: $0.18 \text{ cfs} \times 365 \times 1.9835 = 130.5 \text{ AFA}$

H. REMARKS AND OVERLAP REVIEW ANALYSIS

EMERGENCY HOSPITAL DOMESTIC WATER USE IS A BACKUP TO THE MUNICIPAL SUPPLY IN CASE OF FAILURE. IRRIGATION OF LAWNS AND LANDSCAPE PLANTINGS IS THE MAJOR WATER USE. NUMEROUS FLOWER BEDS, PARKING ISLANDS AND TREES REQUIRE FREQUENT WATERING. CONSIDERABLE WATER IS LOST DUE TO OVERSPRAY ALONG BORDERS AND IRREGULAR SHAPED LAWN AREAS; THEREFORE, LIBERAL ALLOWANCE FOR IRRIGATION USE IS RECOMMENDED AS APPROVED IN THE PERMIT.

THE POTENTIAL WATER USE FOR DOMESTIC PURPOSES (HOSPITAL) ARE BASED ON A MAXIMUM OCCUPATION OF HOSPITAL BEDS.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	3/15	11/15	0.38	45
DOMESTIC	1/1	12/31	0.18	120.5
			Totals:	165.5
			CALCULATED CFS.	

2. Recommended Amendments *NONE*

- | | | |
|---|--|--------------------------------|
| ☐ Change P.D. as reflected above | ☐ Add P.D. as reflected above | ☐ None |
| ☐ Change P.U. as reflected above | ☐ Add P.U. as reflected above | ☐ Other |

J. AUTHENTICATION

Field Examiner's Name CLIFTON W. JOHNSON
Signature Clifton W. Johnson
Certification Date _____
Field Report Preparation Date JUNE 13, 1990

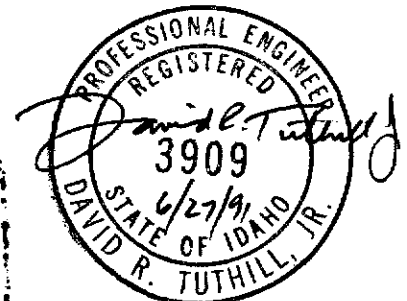
LW 4/30/91

CONSULTANT SEAL

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

MICROFILMED

MAR 06 1992



R1E R2E

PERMIT 63-10703 INIT CND

T. R. S. 0/0

P/D 3N 2E 7 SENE

SCALE

PHOTO ID. 4-58

CLOVERD

IDAHO

7.5-MINUTE SERIES (ORTHO PHOTOQUAD)

95° 17' 30"

598

360 000 FEET R. 2 E. 599

1.8 MI. TO U.S. 20 & 26

116° 15'

43° 37' 30"



X5

RECEIVED
JAN 10 1962

Turf & shrubs irrigated by well

SISTERS OF THE HOLY CROSS RESIDENCE

PERMIT 63-10703
AREAS

BALL FIELD 2.0A SW PARKING 0.4A
WEST REAR 2.1A NORTH PARKING 0.8A
NORTH SIDE 1.3A EMPLOYEE PARKING 0.5A
FRONT CURTIS 0.7A ISLAND AND PLANTED 0.4A
FRONT BLDGS 0.6A 10.0A

WELL #D

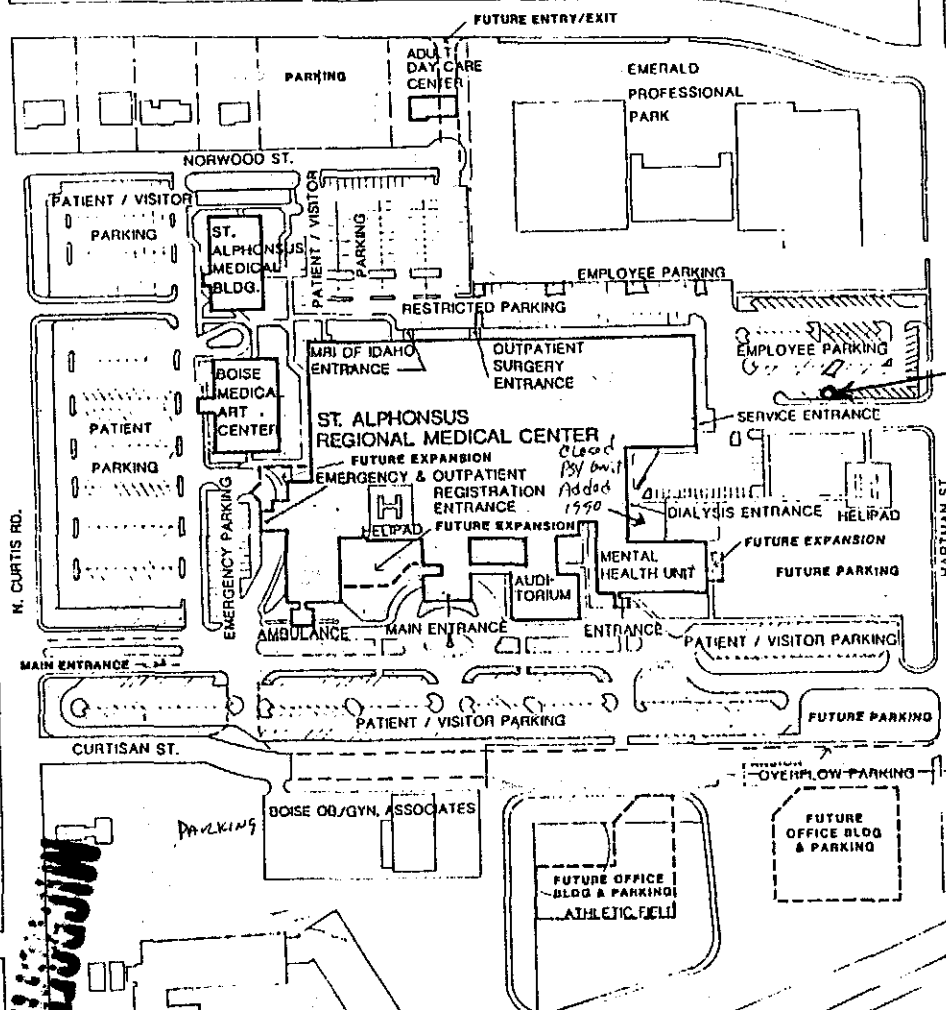
LIBERTY MOBILE HOME PARK



MASTER PLAN ST. ALPHONSUS REGIONAL MEDICAL CENTER

0 50 100 200 400

SPRING 1986
REVISED 5/1986
6/1986



MAR 06 1992
MICROFILMED

Department of Water Resources

WELL INSPECTION FORM

If well is associated with water right, provide WR# 63-10703

Otherwise provide legal description and a sketch map and/or address so that the well can be located easily.

1. Legal Description: TWP____, Rge____, Sec.____, ____1/4____1/4
or Lot____.

2. Owner: SAINT ALPHONSUS HOSPITAL

Address____, City____, St____

3. Casing $\geq$ 12 inches above ground: Yes ☒ No ☐

4. Access Port: Yes ☒ No ☐ Static Water Level: 38 FT
Pressure Gauge: Yes ☒ No ☐ Casing Diameter: 10 INCH
Flowing: Yes ☐ No ☒ Temperature: 59°F

5. Are there any obvious construction problems that may be a source for contamination or waste of water: Yes ☐ No ☒

If answer to Item 5 is Yes, describe in remarks and attach photo.

Remarks: _____

MICROFILMED
MAR 06 1992

PHOTO #1

10-INCH WELL EQUIPPED WITH 15 HP SUBMERSIBLE PUMP WITH 4-INCH DISCHARGE TO SUPPLY WATER FOR IRRIGATION AND EMERGENCY HOSPITAL DOMESTIC USE.

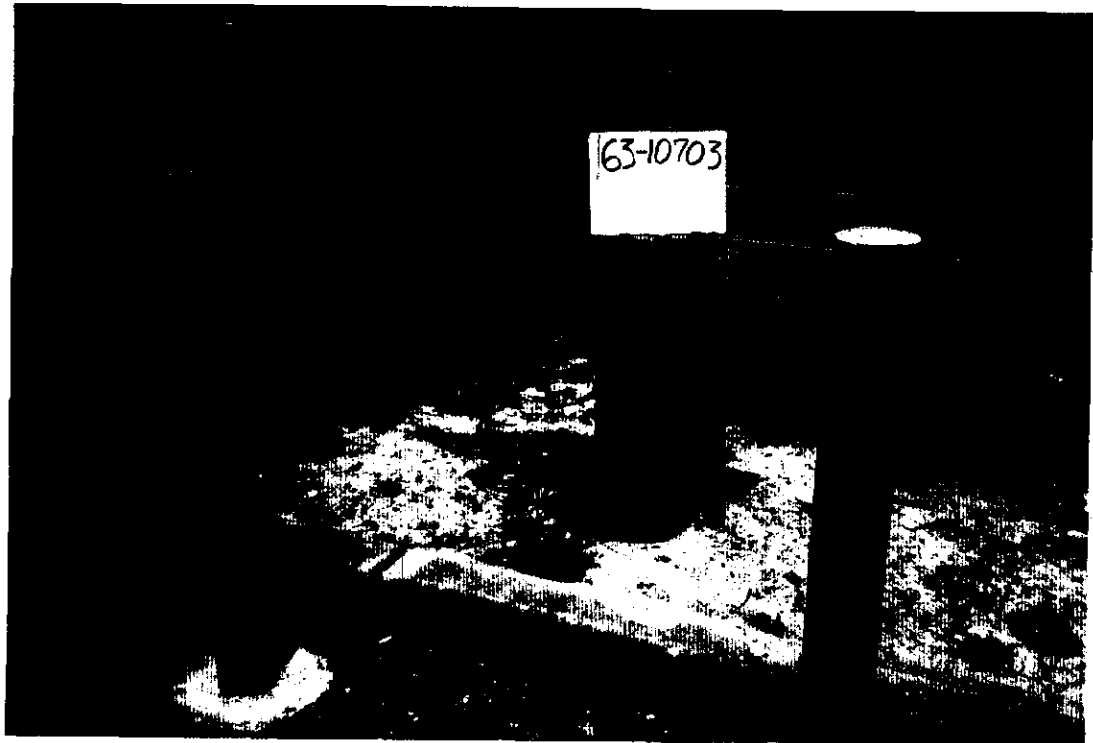


PHOTO #2

4-INCH SUPPLY LINE FROM THE PUMP ENTERS THE PUMP CONTROL ROOM FROM THE RIGHT AND FLOWS UP TO THE EMERGENCY SUPPLY SYSTEM OR RIGHT TO IRRIGATION.



OLD WELL LEFT LOWER.

MAR 06 1992

FILED

PHOTO #3
VIEW LOOKING EAST FROM HELICOPTER LANDING PAD,
THE WELL AND PUMP CONTROL BUILDING ARE BY
TREES AT FAR RIGHT.



REPRODUCED
MAR 06 1992

1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. W3-10703

Date: 8/2/89

General Considerations:

Y Name same as permit
Y Signature the same as permit holder
N Address change If yes, prepare a data entry
Y Proof received timely
N Reinstated

Source of Water:

N Surface water
Y Groundwater
Y 1. well log in file
Y 2. drilling permit
Y A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

Y Rate of diversion appropriate for uses
Y Is rate or volume and fee appropriate?
Y Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

N/A Is a measuring device or access port required?
N/A Has one been installed?
N/A Waiver or modification of measuring device requested

Remarks:

Proof Acceptable

Priority Calculation:

Date proof received

Date proof due

No. of days late

Priority date

NEW PRIORITY DATE

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

RECEIVED
MAY 19 1989

STATE OF IDAHO Department of Water Resources

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

For Office Use Only
Fee Received 100.00
Date 5/19/89
Receipt # 6006940
Receipt by K. Young
Reviewed by _____
Sent to region _____

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 63-10703

Name(s) of Permit Holder: Saint Alphonsus Regional Medical Center

Post Office Address: 1055 North Curtis Road Boise, Id 83706

Telephone No. 378-3309

Source of Water: Well

Extent of Use:

Domestic 1(Hosp) for Emergency Water Supply Only (number of households) Stockwater _____ (number and type of stock)

Irrigation 23 (acres) Other/Remark _____

Total rate and/or volume for which proof is submitted 0.62 cfs _____ acre-feet

Show the date water was first diverted and beneficially used under this permit: 4/26/89

Measuring Device: Required? ☐ Yes ☒ No
Installed? ☐ Yes ☒ No
Fee enclosed \$ 100.00
(See License Examination Fee Schedule)

Flow Measurement Port: Required? ☐ Yes ☒ No
Installed? ☐ Yes ☒ No

Person to contact to accompany the Department representative during the field examination:

Paul Entzminger 378-3309
(Name) (Telephone Number)

1055 North Curtis Rd, Boise, Id 83706
(Address)

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

MICROFILMED

AUG 29 1989

May 1, 1989

Darrell Fugate, Director Engineering

Date

Signature of Permit Holder (and title, if appropriate)

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name St. Alphonsus Regional Medical Center

Address 1055 N. Curtis Rd/Boise, Id 83706

Owner's Permit No. 63-88-2226 / 63-10703

2. NATURE OF WORK

☐ New well☒ Deepened☒ Replacement

☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic☒ Irrigation☐ Test☐ Municipal

☐ Industrial☐ Stock☐ Waste Disposal or Injection

☐ Other (specify type) _____

4. METHOD DRILLED

☒ Rotary☐ Air☐ Hydraulic☐ Reverse rotary

☒ Cable☐ Dug☐ Other _____

5. WELL CONSTRUCTION

Casing schedule:☒ Steel☐ Concrete☐ Other
Thickness Diameter From To
.250 inches 10 inches + 1.50 feet 146 feet
.250 inches 8 inches 126 feet 215 feet
.250 inches 8 inches 256.5 feet 263.5 feet

Was casing drive shoe used? ☒ Yes☐ No

Was a packer or seal used? ☒ Yes☐ No

Perforated?☐ Yes☒ No

How perforated?☐ Factory☐ Knife☐ Torch

Size of perforation _____ inches by _____ inches

Number From To

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

Well screen installed? ☒ Yes☐ No

Manufacturer's name JOHNSON

Type 304 SS Model No. 10P S

Diameter 10 Slot size .15 Set from 215 feet to 250 feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 18 Material used in seal: ☐ Cement grout

☒ Bentonite☐ Puddling clay☐

Sealing procedure used: ☐ Slurry pit☒ Temp. surface casing

☒ Overbore to seal Department of Water Resources

Method of joining casing: ☐ Threaded☒ Welded☐ Solvent Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

E

S

W

*
Subdivision Name MicroFILMED

Lot No. AUG 29 1989 Block No.
County ADA

SE ¼ NE ¼ Sec. 7 T. 3 N/R. 2 E/**

7. WATER LEVEL

Static water level 30 feet below land surface.

Flowing? ☐ Yes☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve☐ Cap☐ Plug

Temperature ____ °F. Quality _____

Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump☐ Bailer☒ Air☐ Other _____

Discharge G.P.M. Pumping Level Hours Pumped

300 52 4

9. LITHOLOGIC LOG

Bore Diam. Depth Material Water Yes No

From To

12 0 13 Soil x

12 13 18 Gravel x

10 18 66 Gravel x

10 66 73 Clay x

10 73 90 Sand & some clay x

10 90 94 Clay x

10 94 115 Sand with clay strings x

10 115 120 Sandy clay x

10 120 130 Brown clay x

10 130 147 Blue clay x

10 147 220 Sticky blue clay x

10 220 245 Sandy Gravel x

10 245 265 Sandy clay blue x

10.

Work started 2/20/89 finished 3/20/89

11. DRILLERS CERTIFICATION

I/we certify that all minimum well construction standards were complied with at the time the rig was removed.

BILL DOTY DRILLING

Firm Name CO., INC. Firm No. 42

25497 FREEZE OUT RD.

Address CALDWELL, ID. 83605 Date 3/22/89

Signed by (Firm Official)
and
(Operator) Daniel Knorr

DEPARTMENT OF WATER RESOURCES
1301 N. ORCHARD STREET
STATEHOUSE MAIL
BOISE, IDAHO 83720

PURCHASE ORDER

099194

THIS NUMBER MUST APPEAR
ON ALL INVOICES, PACKAGES
AND SHIPPING PAPERS.

All invoices are to be rendered in duplicate and sent to:
ATTENTION OF ACCOUNTING DEPARTMENT

Only completed Purchase Orders authorized by the Purchasing Department with an Order number will be approved for payment.

Deliveries accepted only from 8:00 a.m. to 4:30 p.m., Monday thru Friday only; deliveries not accepted on national holidays. C.O.D. Shipments will not be accepted. Prepay freight charges, if any; and add to Invoice.

Itemized packing list must accompany all deliveries

TAX EXEMPTION NO. 82-0200895.

CONDITIONS OF ACCEPTANCE

F.O.B.

TERMS

DATE 5-1-89

1. QUALITY AND INSPECTION.

We reserve the right to inspect all shipments after delivery and to reject all material which may be defective or not in accordance with specifications as to quality or performance.

2. All electric appliances shall meet applicable requirements of NFPA 76B-T. Delivery will not be considered complete until vendor has demonstrated compliance, including required manuals.

3. **SUBSTITUTIONS** - Substitutions will not be accepted without the buyers approval.

4. **PRICES** - All prices are firm as shown and shall prevail in case of discrepancy. Do not make shipment without buyers consent if prices differ.

5. **NON-PERFORMANCE** - Time is of the essence. Buyer reserves the right to cancel this order or any portion hereof if delivery or performance is not made within the specified time.

6. We reserve the right to hold payment until shipment is complete. Discount date from last invoice will apply.

7. **INSURANCE** - If seller performs labor or services for buyer, Workman's Compensation and Liability Insurance Certificates must be submitted before such services begin.

8. Seller shall guarantee that all goods covered by this order were produced in compliance with all Federal and State laws, including the Fair Labor Standards Act as amended.

9. Direct all inquiries pertaining to this order to the Purchasing Dept.

10. BACK ORDERS - If delivery can not be made within two weeks of scheduled date, Purchasing Dept. is to be notified and reserves the right to cancel order without penalty.

11. If it is determined that 42CFR, Part 420, Sub-part D and §952 of PL96-499 apply to this purchase order or contract, then access will be granted to the federal examiners or others to required records in accordance with the law and regulations.

Note: In accepting this order it is understood the seller agrees to the terms and conditions shown above. The buyer, hereby; objects to any confliction or additional terms or conditions.

VENDOR

Dept. Code	Quantity	Hosp. St. No.	Vendor St. No.	DESCRIPTION	UNIT COST
852-30				PROOF OF BENEFICIAL USE FEE	100.00
				<u>PAYMENT ENCLOSED</u>	
				RECEIVED MAY 19 1989 Department of Water Resources	
				MICROFILMED AUG 29 1989	

By

Purchasing Agent or Buyer

State of Idaho
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

1. Applicant ~~Darrell Fugate~~ SAINT ALPHONSUS REGIONAL MEDICAL CENTER
2. Address 1055 N Curtis Rd., Boise, Id 83706
Telephone 378-2703
(☒) Well Owner () Well Operator () Other, specify _____
3. Proposed well location SE 1/4 NE 1/4, or Gov't lot No. _____,
Sec. 7, Twp. 3N, Rge. 2E, County ADA,
Lot, block and subdivision _____
4. Proposed use of well: (Check all that apply)
() Domestic () Stockwater () Monitoring
(☒) Irrigation () Industrial () Municipal
() Injection (☒) Other, Specify Emergency Drinking Water-Hospital
5. Well construction information:
() New well () Deepen (☒) Replace
Proposed surface diameter 10 inch Maximum depth 500 ft
Anticipated bottom hole temperature: _____
(☒) 85°F or less (Cold water well)
() 85°F to 212°F (Low temp. geothermal well)
() 212°F or more (Geothermal well)
6. Anticipated construction start date October 15, 1988
7. Well Driller (if known) _____
Address _____
8. Applicant's signature *Darrell Fugate*
Title Director Engineering
Date September 1, 1988

MICROFILMED

AUG 29 1989

* After other pre-requisite approvals have been obtained.

* Fee is \$10 for single family domestic. Other uses may be \$100, \$50 or \$10.



Saint Alphonsus

REGIONAL MEDICAL CENTER

1055 NORTH CURTIS
BOISE, IDAHO 83706
(208) 378-2121

RECEIVED

DEC 30 1988

Department of Water Resources

63-88-226

December 28, 1988

Mr Gary Spackman
State of Idaho
Department of Water Resources
1301 North Orchard Street
Statehouse Mail
Boise, Id 83720

Dear Gary,

Reference Drilling Permit No. 63-88-Z-226.

Request an extension of the drilling permit starting date for 45 days. We have been unable to schedule the actual start time for drilling due to the overload of the well drillers. If all goes well we should be starting to drill by the end of January 1989 or the first part of February 1989.

Sincerely,

Darrell Fugate

Darrell Fugate
Director Engineering

I told them OKAY.

Verbal

gBed 1/10/89

MICROFILMED

AUG 29 1989



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

November 10, 1988

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

RE: Permit No. 63-10703

St. Alphonsus Regional Medical Center
1055 N. Curtis Road
Boise, ID 83706

Dear Permit Holder(s):

Enclosed is a copy of your approved Application for Permit. We direct your attention to the conditions of approval on the final page. Also enclosed is a copy of the approved drilling permit submitted in connection with this water right.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the Department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed for your convenience is the statement of beneficial use that must be submitted when your project is completed.

Sincerely,

GARY SPACKMAN, Supervisor
Water Allocation Section

GS:sc
Enclosures

MICROFILMED

DEC 13 1988

Any correspondence
concerning well
drilling and/or
project design
should include cc
to

Chevron Pipeline Co.
201 N. Phillips
Box 83706
OTW: Kenny King
375-1463

State of Idaho
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

1. Applicant ~~Darrell Fugate~~ SAINT ALPHONSUS REGIONAL MEDICAL CENTER
2. Address 1055 N Curtis Rd., Boise, Id 83706
Telephone 378-2703
(☒) Well Owner () Well Operator () Other, specify _____
3. Proposed well location SE 1/4 NE 1/4, or Gov't lot No. _____,
Sec. 7, Twp. 3N, Rge. 2E, County ADA,
Lot, block and subdivision _____
4. Proposed use of well: (Check all that apply)
() Domestic () Stockwater () Monitoring
(☒) Irrigation () Industrial () Municipal
() Injection (☒) Other, Specify Emergency Drinking Water-Hospital
5. Well construction information:
() New well () Deepen (☒) Replace
Proposed surface diameter 10 inch Maximum depth 500 ft
Anticipated bottom hole temperature: _____
(☒) 85°F or less (Cold water well)
() 85°F to 212°F (Low temp. geothermal well)
() 212°F or more (Geothermal well)
6. Anticipated construction start date October 15, 1988
7. Well Driller (if known) _____
Address _____
8. Applicant's signature *Darrell Fugate*
Title Director Engineering
Date September 1, 1988

* After other pre-requisite approvals have been obtained.

* Fee is \$10 for single family domestic. Other uses may be \$100, \$50 or \$10.

ACTION OF IDWR

(✓) Approved () Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.

SPECIFIC CONDITIONS:

8. If low temperature geothermal resource is encountered, drilling shall stop and the well shall be abandoned as required by the Department of Water Resources.

Dated this 8th day of November, 1988

Signed

Title

J. Glen Saxton
Chief, Oper. Bur.

Received by DW Fee 100⁰⁰ Date 9/13/88

Receipt No. W000867 Construction start extension to _____

Extension approved by _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY SC DATE 9/16/88 APPLICATION NUMBER 63-10703

REQUIRED INFORMATION

- ☒ Name (If applicant is a corporation or partnership, names must be provided for the director, officers, & other partners.)
☐ Address
☐ Source (See USGS Quad for names of water sources)
☐ Point of Diversion (10 acres for spring, lot & block descriptions for subdivisions, local name, flow and/or volume)
☐ County
☐ Quantity (flow and/or volume) - *Applicant will send additional info.*
☐ Period of Use
☐ Nature of proposed use (Include description of use.)
☐ Description of diverting works
☐ Time required for beneficial use of water
☐ Place of use or acres irrigated
☐ Map
☐ Signature (If applicant is corp. partnership, or municipality, title of signator is required)
☐ Fee
☒ Yes ☐ No* In form to receipt

ADDITIONAL INFORMATION

- ☒ Overlapping place of use (Describe source & relationship to present application on the back.) *NO*
☒ Overlapping point of diversion *NO*
☐ Yes ☐ No Field check required
Field check by _____
☐ Yes ☐ No Field report attached
☐ Yes ☒ No Critical groundwater area
☒ Yes ☐ No Groundwater management area *Buise Front, see attached letter of 9/16/88*
☐ Yes ☐ No Send dam safety information
☐ Yes ☐ No Send power requirement letter
☐ Yes ☐ No Send fish farm requirement letter
☐ Yes ☐ No Power residency affidavit
☐ Yes ☐ No Power efficiency form
☐ Yes ☐ No Within trustwater boundary (If yes, attach trust water supplementary analysis sheet.)
☐ Yes ☒ No Diversion greater than 5 cfs or 500 acre ft. (If yes, attach large diversion supplementary analysis sheet.)
☐ See reverse side for additional information

REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT

Date Requested NOV 01 1988

Department of Water Resources

PROCESSING

☒ Yes ☐ No In form for advertising
☐ Yes ☒ No Statewide advertising
☒ Yes ☐ No Fee amount, receipt date & No. recorded on application

SEND COPIES TO

☐ Idaho Dept. of Health & Welfare
☐ Idaho Dept. of Fish & Game
☐ Idaho Dept. of Lands
☐ Adjudication Bureau Unit

☐ U.S. BLM
☐ U.S. Forest Service
☐ Water District
☐ Other _____

FINAL REGIONAL PROCESSING REVIEW

☒ Yes ☐ No Affidavit of publication received
☒ Yes ☐ No Application published correctly. If not, record action taken.

☒ Yes ☐ No Publication dates & paper, recorded on application
☐ Yes ☒ No Protests received
Final date for protest October 24, 1988
☐ Yes ☒ No Protests, dates, resolution of protest, recorded on application
☐ Yes ☒ No Recommendations attached Approve, Dist
☐ Yes ☒ No Measuring device required
☐ Yes ☒ No Access port required purposes
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what Dist. 63
☐ Yes ☐ No Special conditions of approval or cover letter below.

1 The rate of flow for irrigation shall be limited to 0.44 cfs and the total rate of diversion shall be limited to 0.62 cfs under this permit.

Date of priority recommended 9/13/1988 ☐ See below for additional information
By _____ Date _____

STATE OFFICE REVIEW

P23 P05 P16 46 0 (above) 2 (below)
Process Drilling Permit ☐ See below for additional information
By Kew Date 11/8/88

ADDITIONAL INFORMATION

Send well drilling permit to John Beal for review when water rt permit is issued.

2 Any well drilling to obtain water for diversion under this permit shall be strictly in accordance with the requirements of a well drilling permit.

3 This permit authorizes the use of groundwater with a bottom hole temperature of less than 85°F.

4 The Director retains jurisdiction of this permit if water with a bottom hole temperature of 85°F or more is encountered.

63-10703

ST. ALPHONSUS REGIONAL MEDICAL CTR.
1055 N. CURTIS RD.
BOISE, ID 83706

Source: GROUNDWATER

Diversion Pt: SENE Sec 7 T 03N R 02E

Use: IRRIGATION (.540 CFS)
DOMESTIC (.180 CFS)

Date Filed: 9/13/1988

In: T03N R02E S07 SENE

10.0 ACRES TOTAL

MICROFILMED

DEC 13 1988

St Alphonsus

I agree they should
be OK to 500' I we
will process the water
Right & Drilling permit
to get them.

D P should be
conditioned to abandon-
well if L T & R is
encountered.

JB

RECORDED

DEC 13 1988



Saint Alphonsus

REGIONAL MEDICAL CENTER

1055 NORTH CURTIS
BOISE, IDAHO 83706
(208) 378-2121

September 19, 1988

Mr. John Beal
State of Idaho
Department of Water Resources
Western Region
1310 N. Orchard
Boise, Id 83704

Dear Mr Beal,

Per our telephone conversation September 19, 1988 the following information is submitted pertaining to our request for Application for Permit for a water right and Well Drilling Permit.

The drilling prospectus requested is a Hydrogeologic Evaluation done by the Chevron Pipe Line Co in November 1982. There is no evidence of tapping the Geothermal Aquifer in any of the deeper wells drilled to 476 foot depth in this area.

A reevaluation of the water requirements to irrigate our 10 acres of turf, shrubs and trees reveals we can get by with 0.44 cfs. We must do all irrigation between the hours of 7 pm and 6:30 as previously indicated.

Respectfully request approval.

Sincerely,

Darrell Fugate
Director Engineering

- 2 Atch
1. Hydrogeologic Evaluation
2. Our Ltr, Sep 13, 1988

cc: Steve Lester

RECEIVED

DEC 13 1988

HYDROGEOLOGIC EVALUATION

Geologic Setting

Information published by the Idaho Department of Water Administration (Dion, 1972) and unpublished Department of Water Resources records of wells drilled in the vicinity of the spill area indicate that the project area is situated on the Whitney Terrace which is a sand and gravel deposit overlying the Glens Ferry Formation. Geologic maps and driller's logs show that the terrace deposit is two miles wide and 50 feet thick. Logs of wells drilled northwest of the spill area indicate that the terrace deposit thickens to over 100 feet, probably reflecting erosion of the Glens Ferry Formation prior to deposition of the glacial material. Descriptions of the samples collected during drilling of the Chevron wells indicate that the terrace material consists almost entirely of sand, gravel, cobbles and boulders. Some thin interbeds of silt and clay were reported at some well sites. Where saturated, the terrace deposits are referred to as the "shallow aquifer."

The Glens Ferry Formation is 2,000 feet thick and is composed of alternating beds of clay, silt, sand, and fine gravel as well as deposits of volcanic ash and lava flows. The uppermost section of this unit is a clay bed which increases in thickness from 130 feet at the Chevron Pipe Line Terminal to 370 feet at the Junior High School. Well logs describe the lithology of this unit as "sandy clay", "red sandy clay", "yellow clay", "blue clay", "blue shale" or "silty blue clay". Thin beds of sand are also present in this unit. Below the clay is a sand and gravel layer of unknown

MICROFILMED

DEC 13 1988

thickness referred to in the literature as the "deep aquifer."

Most commercial and industrial water supply wells are drilled into the deep aquifer which is artesian. Deep production wells have been installed at the Junior High School (1980), at Chevron Pipe Line Company (1958), at the 7-UP Distributing Center (1980), and at the Nagel Beverage property (1972). Drillers' logs show that most wells in this aquifer are completed with 10 or 15 feet of screen and are capable of yielding 100 to 500 gpm. Heads, or potentiometric levels, in this aquifer have not been mapped, but records of wells installed in 1980 show that water levels were about 11 feet below land surface.

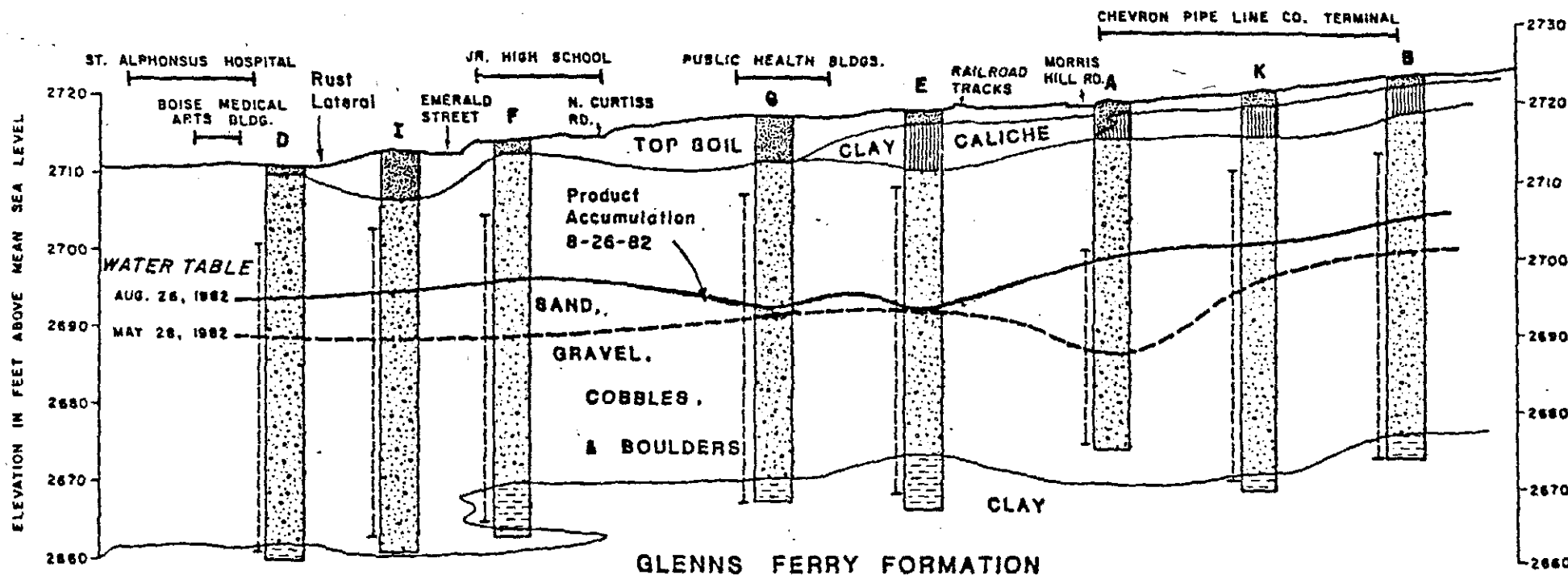
As shown on the cross section (Figure 1), the depth to the top of the of the deep aquifer greatly increases with distance from the spill site. For example, at Chevron Pipe Line Company site the aquifer is at a depth of 220 feet. At the Junior High School, 4,000 feet to the northwest, the aquifer is found at a depth of 429 feet. No information is available on seasonal or total pumpage from the deep aquifer.

Figures 2 and 3 are hydrogeologic cross-sections through the spill area prepared from Chevron well logs. The lithologic descriptions in individual logs are insufficient to map or correlate distinct sand, gravel or boulder beds in the terrace deposits. Logs from wells drilled by the cable-tool method (Wells B, D, and I) show more cobbles and boulders than those of wells installed by air rotary equipment, probably reflecting the nature of the samples produced by the particular drilling method.

MICROFILMED

DEC 13 1988

NW



DEC 13 1988

RECEIVED

0 400 Feet

SUBJECT			
NW-SE HYDROGEOLOGIC SECTION THROUGH SPILL AREA BOISE, IDAHO			
PREPARED FOR			
CHEVRON PIPE LINE CO. BOISE, IDAHO			
Geraghty & Miller, Inc.	COMPILED BY	Frita van der Leeden	SCALE Shown
	PREPARED BY	G. Schaffner	
	PROJECT MGR	Paula Magnuson	DATE Nov-82
			FIGURE 2

SW

20

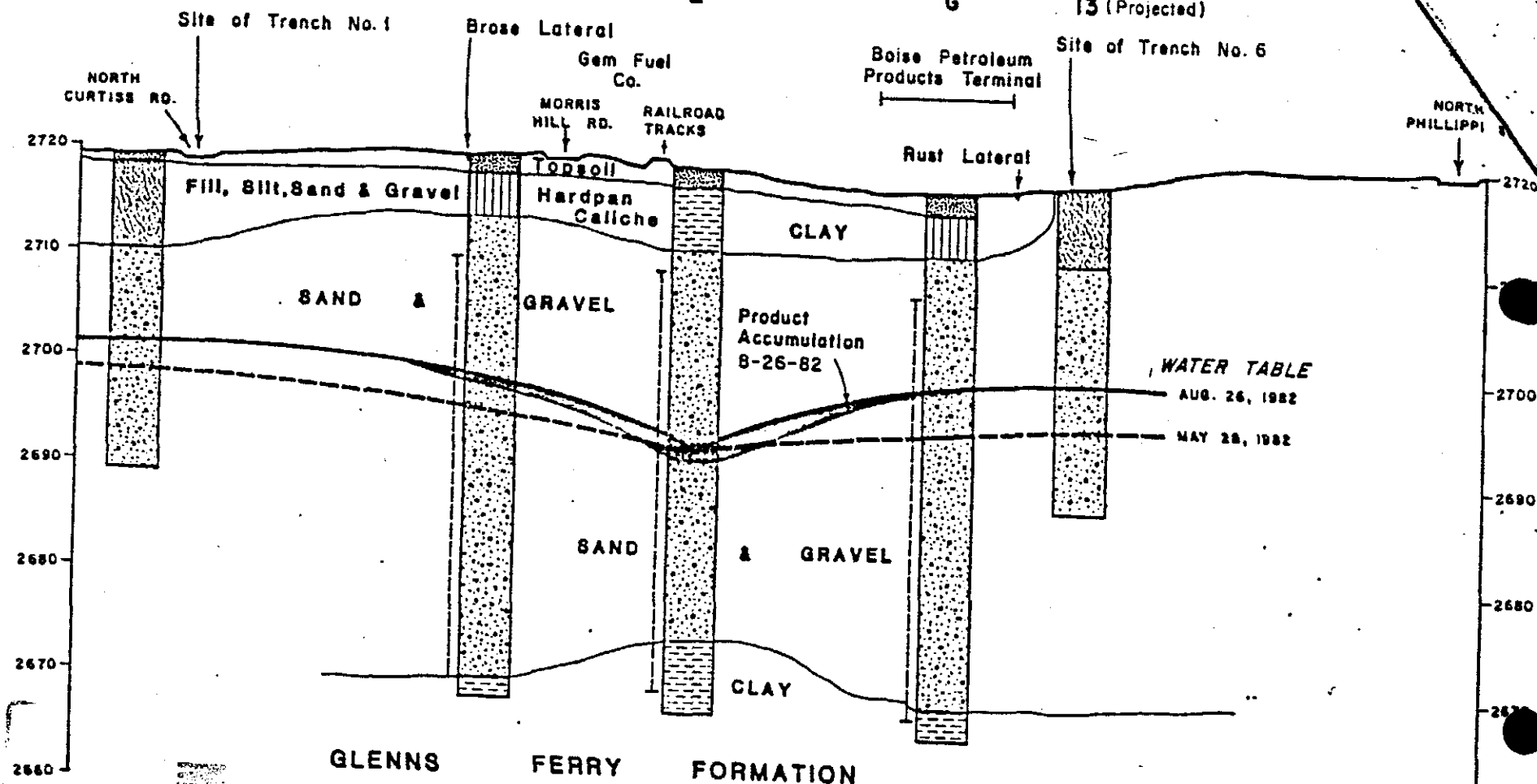
J

E

G

13 (Projected)

ELEVATION IN FEET ABOVE MEAN SEA LEVEL



DEC 13 1988

Wall Screen

0 400 Feet

SUBJECT

SW-NE HYDROGEOLOGIC SECTION
THROUGH SPILL AREA
BOISE, IDAHO

PREPARED FOR

CHEVRON PIPE LINE CO.
BOISE, IDAHO

Geraghty

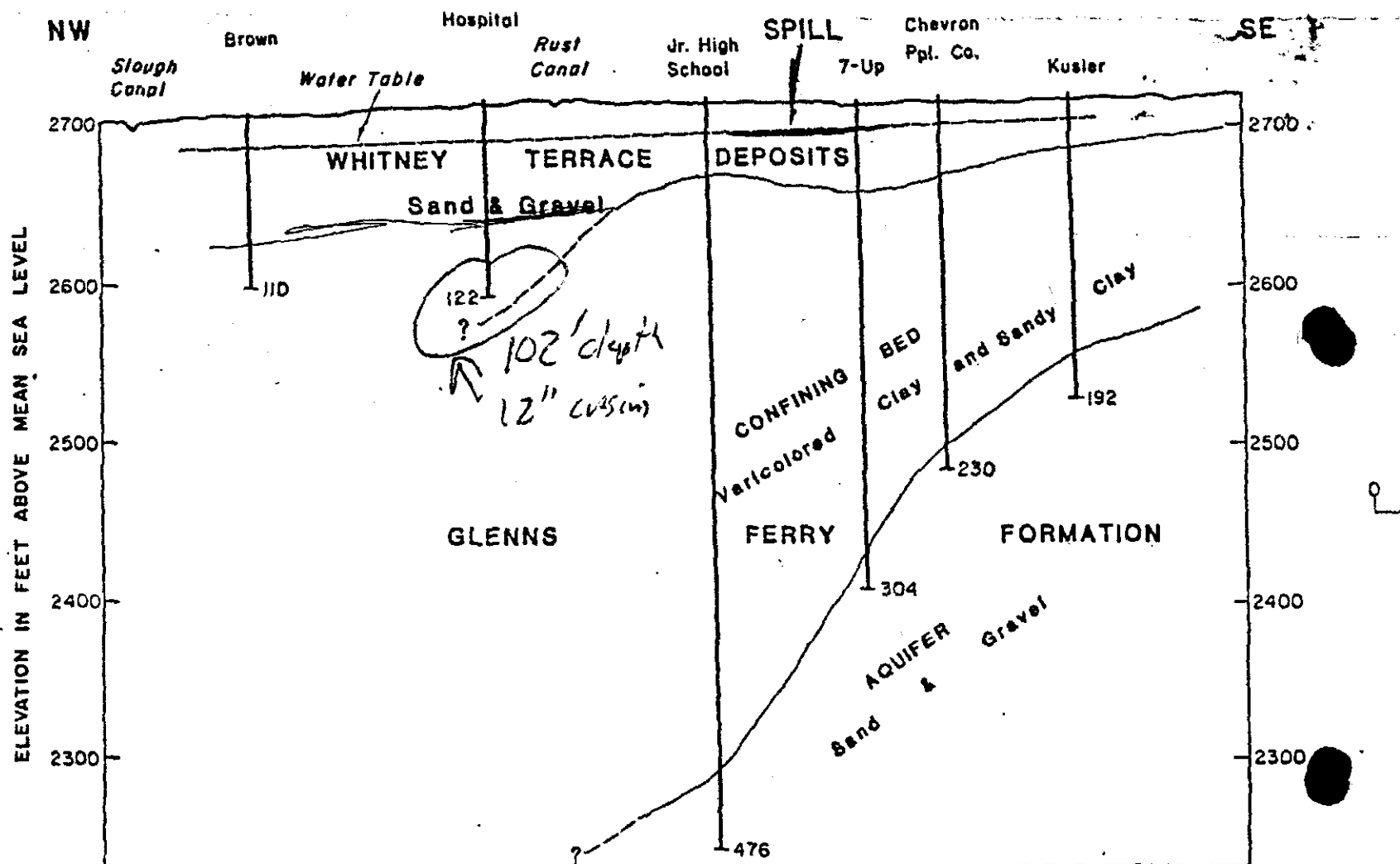
COMPILED BY Fritz von der Leeden

SCALE

FIGURE

DEC 13 1988

UNCLASSIFIED



SUBJECT	
NW-SE HYDROGEOLOGY THROUGH SPILL BOISE, IDA	
PREPARED FOR	
CHEVRON PIPE BOISE, IDAHO	
Geraghty	COMPILED BY Frits van der PREPARED BY G. Schaffner

Charles Fischer on Ernest Kellogg
252 Lafayette Bldg. on Hill Street
June 1, 1906 1500 2000 E. H. Kellogg

[illegible]

◆ 大衆の健康 ◆

149-2" away from the wall below
corner of the outside wall

[illegible]

From	To	Type of Material	Spilling Time		Remarks
			in	sec	
0'	2'	top soil		10	no
2'	7'	hard pan		20	"
7'	15'	gravel	4		"
15'	20'	gravel	1		no
20'	26'	gravel	5		yes
26'	37'	gravel	6	30	yes
37'	42'	sandy clay		15	no
42'	46'	coarse sand		15	yes
46'	47'	clay		10	no
47'	78'	clay with occasional streaks of sand	5		yes
78'	95'	clay with sand streaks	8		yes
95'	103'	blue shale or blue clay		20	
103'	104'	yellow clay some yellow sand		10	yes
104'	107'	blue shale		15	no
107'	128'	blue shale sand openings	5	30	yes
Conc. sand opening at 128'					
If more space is required use Sheet No. 2					

WELL OWNER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Ernest Kelsey

NOTE: _____

Drilled _____

Subscribed and sworn before me this _____

day of _____

19 _____

My commission expires _____

UNRECORDED

RECORDED

SHEET NO. 1

Well Driller *Ernest Kahney*
Well Location *Charles Fille*
S. N. E. S. 4

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time		Casing	Borehole
			hrs.	mins.		
128'	141'	blue shale	2		no	no
141'	143'	coarse blue sand		5	yes	
143'	149'	blue shale	2		no	
149'	210'	blue shale	7		no	
210'	285'	blue shale	7		no	
285'	330'	blue shale	4	30	no	
330'	380'	blue shale	5		no	
380'	397'	blue shale	4		no	
397'	406'	blue shale	1			
406'	408'	medium coarse sand	3		yes	

562414

MICROFILMED

DEC 13 1988

**WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO**

Log No. _____
 Sec. _____, 19 _____
 Well No. _____
 Permit No. _____

(DO NOT FILL IN)

Owner NORTH VIEW WATER CO. INC.

Address 2310 Irvine St., Idaho

Driller Russel Howe

Address 1514 Longmont

U.S. No. 65

Location of Well: $\frac{1}{4}$ $\frac{1}{4}$ Sec. K, T. 10 N. 2 R. 2 E. 1/4

County _____

and _____ feet N/S, and _____ feet E/W from _____ corner of $\frac{1}{4}$ $\frac{1}{4}$ Sec. _____

Water will be used for Subdivision

Total depth of well 605 ft.

Size of drilled hole 10 inch

Weight of casing per linear foot _____

Thickness of casing standard

Casing material pipe
 c.s., pipe, concrete, wood.

Diameter, length and location of casing _____

(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

Number and size of perforations 250--3/16 by 5" located 375 feet to 605 feet
 from surface of ground.

Other perforations: _____

If flowing well, give flow in c.f.a. _____ or g.p.m. _____ and shut in pressure _____

If non-flowing well, give depth of standing water from surface _____

If flowing well, describe control works _____

(Type and size of valve, etc.)

On pumping test delivery was 400 g.p.m. or _____ c.f.a. Breakdown was 21 feet

Length of time pumped during check was 2 hr. _____ min. Water temp. _____ ° Fahrenheit.

Date of commencement of well July 1, 1954 Date of completion of well August 24, 1954

Type of well rig Cable tool

CASING RECORD

From	To	Length	Remarks - Casing, Grouting, etc.
10" 1' above ground	6'	6'	Drove tight 1 blue clay.

GENERAL INFORMATION - Pumping Test, Quality of Water, etc.

2634-1E

RECORDED

DEC 13 1988

SHEET NO. 2

Well Driller *Russell J. ...*
Well Location *... 714*

WELL LOG

From Foot	To Foot	Type of Material	Drilling Time			
			Min.	Sec.		
0	5	Light hard pan			0	0
5	42	Gravel			Water bearing	0' 42'
42	175	Loose heaving sand			Water bearing	
175	372	Blue clay				
372	468	Soft blue sandstone			Water	
468	515	Blue clay				
515	605	Soft blue and white sandstone			Water	

into well; 10' casing with 1" casing;
to 100 feet set tight in blue clay.

Then 10" hole drilled to 605 ft.
with 400 ft. of 1 1/2" standard pipe
centered in 10" hole then gravel
packed with round gravel having 1/4"
ft. 1-10 inch casing with 1 1/2" 2 ft
thread coupling then 6 in. packed
on top of 4" coupling.

4 in. open perforator 312-405 and
312-605

5.6 34 25

MICROFILMED

DEC 13 1988

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITE OR
BALLPOINT PENState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Independent School District of Boise, City</u> Address <u>1207 Fort St. Boise, ID 83702</u> Owner's Permit No. _____		7. WATER LEVEL 11 Static water level <u>11</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ or Quality _____																																																																																			
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Air ☐ Other _____																																																																																			
3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type) _____		<table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>125</u></td><td><u>113</u></td><td><u>6</u></td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	<u>125</u>	<u>113</u>	<u>6</u>																																																																												
Discharge G.P.M.	Pumping Level	Hours Pumped																																																																																			
<u>125</u>	<u>113</u>	<u>6</u>																																																																																			
4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>12 8 4</td><td>brown clay</td><td></td><td>X</td></tr><tr><td>12 8 47</td><td>sand and gravel</td><td>X</td><td></td></tr><tr><td>8 47 143</td><td>yellow clay</td><td></td><td>X</td></tr><tr><td>8 143 161</td><td>yellow sandy clay</td><td></td><td>X</td></tr><tr><td>8 161 201</td><td>blue clay</td><td></td><td>X</td></tr><tr><td>8 201 202</td><td>yellow sandy clay</td><td></td><td>X</td></tr><tr><td>8 202 253</td><td>blue clay</td><td></td><td>X</td></tr><tr><td>8 253 273</td><td>silty blue clay</td><td></td><td>X</td></tr><tr><td>8 273 396</td><td>blue clay</td><td></td><td>X</td></tr><tr><td>8 396 398</td><td>sand</td><td></td><td>X</td></tr><tr><td>8 398 403</td><td>blue sandy clay</td><td></td><td>X</td></tr><tr><td>8 403 413</td><td>white clay streaks, in blue</td><td>X</td><td></td></tr><tr><td>8 413 415</td><td>blue clay sandy</td><td></td><td>X</td></tr><tr><td>8 415 421</td><td>muddy sand</td><td></td><td>X</td></tr><tr><td>8 421 423</td><td>crumbly blue clay</td><td></td><td>X</td></tr><tr><td>8 423 425</td><td>muddy sand</td><td></td><td>X</td></tr><tr><td>8 425 426</td><td>yellow sandy clay</td><td></td><td>X</td></tr><tr><td>8 426 429</td><td>white, blue sand</td><td></td><td>X</td></tr><tr><td>8 429</td><td>yellow sand</td><td></td><td>X</td></tr></tbody></table>		Depth	Material	Water		Yes	No	12 8 4	brown clay		X	12 8 47	sand and gravel	X		8 47 143	yellow clay		X	8 143 161	yellow sandy clay		X	8 161 201	blue clay		X	8 201 202	yellow sandy clay		X	8 202 253	blue clay		X	8 253 273	silty blue clay		X	8 273 396	blue clay		X	8 396 398	sand		X	8 398 403	blue sandy clay		X	8 403 413	white clay streaks, in blue	X		8 413 415	blue clay sandy		X	8 415 421	muddy sand		X	8 421 423	crumbly blue clay		X	8 423 425	muddy sand		X	8 425 426	yellow sandy clay		X	8 426 429	white, blue sand		X	8 429	yellow sand		X
Depth	Material	Water																																																																																			
		Yes	No																																																																																		
12 8 4	brown clay		X																																																																																		
12 8 47	sand and gravel	X																																																																																			
8 47 143	yellow clay		X																																																																																		
8 143 161	yellow sandy clay		X																																																																																		
8 161 201	blue clay		X																																																																																		
8 201 202	yellow sandy clay		X																																																																																		
8 202 253	blue clay		X																																																																																		
8 253 273	silty blue clay		X																																																																																		
8 273 396	blue clay		X																																																																																		
8 396 398	sand		X																																																																																		
8 398 403	blue sandy clay		X																																																																																		
8 403 413	white clay streaks, in blue	X																																																																																			
8 413 415	blue clay sandy		X																																																																																		
8 415 421	muddy sand		X																																																																																		
8 421 423	crumbly blue clay		X																																																																																		
8 423 425	muddy sand		X																																																																																		
8 425 426	yellow sandy clay		X																																																																																		
8 426 429	white, blue sand		X																																																																																		
8 429	yellow sand		X																																																																																		
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ Thickness _____ Diameter _____ From _____ feet _____ feet - 322 inches 8 inches 2 feet 455 feet - 250 inches 6 inches 441 feet 456 feet - 250 inches 6 inches 471 feet 477 feet Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☒ Yes ☐ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>Johnston</u> Type <u>Stainless</u> Model No. <u>304</u> Diameter <u>6</u> Slot size <u>20</u> Set from <u>456</u> feet to <u>471</u> feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>20</u> Material used in seal: ☒ Cement grout ☐ Pudding clay ☐ Well cuttings Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing ☐ Overlays to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between struts Describe access port _____		10. Work started <u>8/15/80</u> Finished <u>9/30/80</u>																																																																																			
6. LOCATION OF WELL Sketch map location must agree with written location. <table border="1"><tr><td>N</td><td></td><td>E</td></tr><tr><td>W</td><td></td><td>E</td></tr><tr><td></td><td>X</td><td></td></tr><tr><td>S</td><td></td><td></td></tr></table> County <u>Ada</u> Subdivision Name _____ Lot No. _____ Block No. _____ <u>N.E. x S.E. x Sec. 7, T. 3 N., R. 2 E., W.</u>		N		E	W		E		X		S			11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Engleman Well Drilling 47</u> <u>RT. 3 BOX 3397A</u> Address <u>ampa, ID 83651</u> Date <u>11/10/80</u> Signed by (Firm Official) <u>Engleman</u> and (Operator) <u>Larry Engleman</u>																																																																							
N		E																																																																																			
W		E																																																																																			
	X																																																																																				
S																																																																																					

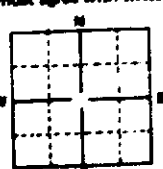
USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well

*Received
Aug 6 1972
S 77*

1. WELL OWNER Name <u>Nagel Beverage</u> Address <u>Boise</u> Owner's Permit No. _____		4. WATER LEVEL Static water level <u>11</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ F. Quality _____ Artesian closed in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																																																			
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		5. WELL TEST DATA ☒ Pump ☐ Bailor ☐ Other Discharge G.P.M. <u>500</u> Draw Down <u>11.2</u> Water Pumped <u>8</u>																																																																																																																																			
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☒ Industrial ☐ Stock		6. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Hole Depth</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Other</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>12'</td><td>0</td><td>3</td><td>Top soil and rubble</td><td></td><td>✓</td></tr><tr><td></td><td>3</td><td>12</td><td>Hardpan & Dirt</td><td></td><td>✓</td></tr><tr><td></td><td>12</td><td>44</td><td>Gravel</td><td>✓</td><td></td></tr><tr><td></td><td>44</td><td>68</td><td>Brown Sandy Clay</td><td></td><td>✓</td></tr><tr><td></td><td>68</td><td>74</td><td>Brown clay</td><td></td><td>✓</td></tr><tr><td></td><td>74</td><td>93</td><td>Shale (Buckley)</td><td></td><td>✓</td></tr><tr><td></td><td>93</td><td>96</td><td>Fine sand - in shale</td><td>✓</td><td></td></tr><tr><td></td><td>96</td><td>142</td><td>Shale</td><td></td><td>✓</td></tr><tr><td></td><td>142</td><td>153</td><td>Coarse sand - Gravel</td><td>✓</td><td></td></tr><tr><td></td><td>153</td><td>172</td><td>Shale</td><td></td><td>✓</td></tr><tr><td></td><td>172</td><td>176</td><td>Gravel - Suspended in Shale</td><td>✓</td><td></td></tr><tr><td></td><td>176</td><td>192</td><td>Shale</td><td></td><td>✓</td></tr><tr><td></td><td>192</td><td>195</td><td>Sand streaks in shale</td><td>✓</td><td></td></tr><tr><td></td><td>195</td><td>234</td><td>Shale</td><td></td><td>✓</td></tr><tr><td></td><td>234</td><td>255</td><td>Fine water sand</td><td>✓</td><td></td></tr><tr><td></td><td>255</td><td>264</td><td>Cemented Gravel</td><td>✓</td><td></td></tr><tr><td></td><td>264</td><td>275</td><td>Sand & Small Gravel</td><td>✓</td><td></td></tr><tr><td></td><td>275</td><td>282</td><td>Gravel with fine clay binder</td><td>✓</td><td></td></tr><tr><td></td><td>282</td><td>295</td><td>Small Gravel & Sand</td><td>✓</td><td></td></tr><tr><td></td><td>295</td><td>300</td><td>Cemented Sand</td><td>✓</td><td></td></tr></tbody></table>		Hole Depth	Depth		Material	Other		From	To	Yes	No	12'	0	3	Top soil and rubble		✓		3	12	Hardpan & Dirt		✓		12	44	Gravel	✓			44	68	Brown Sandy Clay		✓		68	74	Brown clay		✓		74	93	Shale (Buckley)		✓		93	96	Fine sand - in shale	✓			96	142	Shale		✓		142	153	Coarse sand - Gravel	✓			153	172	Shale		✓		172	176	Gravel - Suspended in Shale	✓			176	192	Shale		✓		192	195	Sand streaks in shale	✓			195	234	Shale		✓		234	255	Fine water sand	✓			255	264	Cemented Gravel	✓			264	275	Sand & Small Gravel	✓			275	282	Gravel with fine clay binder	✓			282	295	Small Gravel & Sand	✓			295	300	Cemented Sand	✓	
Hole Depth	Depth		Material		Other																																																																																																																																
	From	To		Yes	No																																																																																																																																
12'	0	3	Top soil and rubble		✓																																																																																																																																
	3	12	Hardpan & Dirt		✓																																																																																																																																
	12	44	Gravel	✓																																																																																																																																	
	44	68	Brown Sandy Clay		✓																																																																																																																																
	68	74	Brown clay		✓																																																																																																																																
	74	93	Shale (Buckley)		✓																																																																																																																																
	93	96	Fine sand - in shale	✓																																																																																																																																	
	96	142	Shale		✓																																																																																																																																
	142	153	Coarse sand - Gravel	✓																																																																																																																																	
	153	172	Shale		✓																																																																																																																																
	172	176	Gravel - Suspended in Shale	✓																																																																																																																																	
	176	192	Shale		✓																																																																																																																																
	192	195	Sand streaks in shale	✓																																																																																																																																	
	195	234	Shale		✓																																																																																																																																
	234	255	Fine water sand	✓																																																																																																																																	
	255	264	Cemented Gravel	✓																																																																																																																																	
	264	275	Sand & Small Gravel	✓																																																																																																																																	
	275	282	Gravel with fine clay binder	✓																																																																																																																																	
	282	295	Small Gravel & Sand	✓																																																																																																																																	
	295	300	Cemented Sand	✓																																																																																																																																	
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																																																																																																																					
5. WELL CONSTRUCTION Diameter of hole <u>12</u> inches Total depth <u>300</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness Diameter From To <u>3.75</u> inches <u>12</u> inches <u>±1</u> feet <u>281</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was a packer or seal used? ☒ Yes ☐ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number From To _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>Johnson</u> Type _____ Model No. _____ Diameter <u>10</u> Slot size <u>1/8</u> inch from <u>281</u> feet to <u>295</u> feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>20</u> feet Material used in seal ☒ Cement grout ☐ Puddling clay																																																																																																																																					
6. LOCATION OF WELL Sketch map location must agree with written location.  County <u>Ada</u> <u>SW 1/4 Sec 10 T. 3 N. R. 2 W</u>		10. Work started <u>Aug 2, 72</u> finished <u>Oct 10 '72</u>																																																																																																																																			
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>Russell Cove</u> 62 Driller's name <u>Boise Idaho</u> Address Signed by _____																																																																																																																																			

SEE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

RECEIVED
JUL 15 1958

WELL LOG AND REPORT OF THE
STATE RECLAMATION ENGINEER OF IDAHO

Permit No. 28209 Well No. _____ County _____

Owner Overland Water Co.

Address Boise, Idaho

Driller Russel Cowe

Address Boise, Idaho

Well location NE 1/4 SW 1/4 Sec. 18, T. 3 N N/S. R2E BME/W

Size of drilled hole 12"

Locate well in section

NW 1/4	NE 1/4
* SW 1/4	* SE 1/4

Total depth of well 630

Give depth to standing water from the ground 39'

Water temp. _____ °Fah.

On "Pumping Test" delivery was 800 g.p.m. or

c.f.s. Drawdown was 52 feet.

Size of pump and motor used to make test 8"

Length of time of test 48 hours

minutes.

If flowing well, give flow _____ c.f.s. or

g.p.m. and of shut off pressure _____

If flowing well, described control works _____

TYPE AND SIZE OF VALVE ETC. _____

Water will be used for subdivision

Weight of casing per lineal foot _____

Thickness of casing 5/16

Casing material steel

STEEL CONCRETE WOOD ETC. _____

Diameter, length and location of casing _____

(CASING 12" IN DIAMETER OR LESS GIVE INSIDE DIAMETER
CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. From To Length

Casing Foot Foot

12" 2' above 481 433

10" 462 647 175

liner

Remarks—seals, grouting, etc. _____

Number and size of perforations _____

located _____

foot to _____

foot from ground _____

Date of commencement of well June 1958

Date of completion of well July 13, 1958

NEAR S. 1/4 2E

WELL 109

From Foot	To Foot	Type of Material		
0	2	soil		
2	7	hard pan		
7	56	dry gravel		
56	128	brn. clay		
128	138	sand and gravel		
138	164	sand and clay		
164	222	sand and clay		
222	228	clean sand		
228	258	muddy sand		
258	295	blue shale		
295		water bearing sand		
295	340	blue shale		
340	345	muddy sand		
345	375	blue shale		
375	380	sand		
380	390	muddy sand		
390	442	coarse sand and gravel		
442	447	sand and small gravel		
If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed _____

By _____

Dated _____, 19__

License No. 65 _____

DEC 13 1988

Walt Butler

West Foundation

WILL LOS

NEW 51P3928

INTERVIEWED

USGS

DEC 13 1988



CECIL D. ANDRUS
Governor

State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN REGION, 2735 Airport Way, Boise, Idaho 83705 • (208) 334-2190

R. KEITH HIGGINSON
Director

Darrell Fugate, Director of Engineering
St. Alphonsus Regional Medical Center
1055 N. Curtis Rd.
Boise, ID. 83706

Sept. 16, 1988

Re: Application for Permit

Dear Sir:

Your recent Application for Permit for a water right and Well Drilling Permit were received on 9/13/88. The area in question falls within the Boise Front Groundwater Management Area, which concerns geothermal water and/or wells of 300 or more feet depth. Additional information is required before the permits will be issued.

The permit applications indicate that you are not seeking hot water. However, a well from 300-500 feet depth is anticipated. For any well of 300 or more feet depth, the applicant must submit a drilling prospectus to this department. The department needs evidence that the proposed well will not tap a geothermal resource.

Please submit the information as soon as possible. Also, you need to justify the intended rate of flow for the ten acres of irrigation. Normally, .20 cfs is adequate for ten acres, but the hospital requests .54 cfs. Please contact this office or John Beal at our State office (1310 N. Orchard, 334-7956) for additional help.

Kenny King of the Chevron Pipeline Company requested a copy of this letter.

Sincerely,

Steve Lester *SL*
Sr. Water Resource Agent

SL:s
cc:KK

MICROFILMED

DEC 13 1988



Saint Alphonsus

REGIONAL MEDICAL CENTER

1055 NORTH CURTIS
BOISE, IDAHO 83706
(208) 378-2121

✓ DM
Stere ✓
RECEIVED
SEP 14 1988

Department of Water Resources
Western Regional Office

September 13, 1988

State of Idaho
Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, Id 83705

Dear Sir,

Reference our "Application for Permit" submitted September 13, 1988 requesting an amount of water for irrigation of 0.54 cubic feet per second.

Respectfully request approval of this amount of water since we are only able to irrigate our turf, shrubs and trees during the hours of 7pm to 6:30am. The majority of patients, physicians, staff and visitors arrive and depart during the period 6:30am and 7pm. If we do water the turf during that time we end up spraying some of their automobiles. Experience proved that on hot days when water was allowed to dry on the vehicles the residue would not wash off and we have paid up to \$100 for restoration.

Our irrigation system was installed in 1971 under specifications for 278 gallons per minute at 60 to 80 pounds of pressure. To operate with less than 220 gallons per minute would require a complete redesign of our irrigation system at a prohibitive cost.

I would also like to refer you to the fact that the existing well which is in the shallow aquifer was contaminated by gasoline leak from the tank farm to the south of us or it would still be very adequate. It must be abandoned due to the contamination. We are presently irrigating with city water. We have no emergency water source for domestic use within this medical center. We are asking for a replacement of like capabilities in another aquifer that is not contaminated.

The initial well was designed for irrigation only, however, before the contamination it was tested for domestic use and served as our emergency water source. We never had to use it as an emergency water source, however in recent years this has become a major issue with the Joint Commission for Accreditation of Health Organizations and is now a requirement. Since the requirements within this facility are considerably less than for irrigation, we feel using the well for our emergency source would pose no problem, as we would curtail irrigation so long as the emergency existed.

Sincerely,

Darrell Fugate
Darrell Fugate

Director Engineering

MEMBER OF THE HOLY CROSS HEALTH SYSTEM

MICROFILMED

DEC 13 1988

