

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.

Y Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

N Aerial Photo Attached (required for irrigation of 10+ acres).

N Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	50	26871588C		3A50

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flowmeter	Totalizing	Rockwell				

2. Measurements: 850 GPM on demand

E. NARRATIVE/REMARKS/COMMENTS

A 16" well equipped with a 50 hp submersible pump supplies water to the City of Nampa's municipal irrigation system via 6" mainline. Jan Shurte did a partial field exam in 1985. In her write-up, she stated that the irrigation water was separate from Nampa's municipal system. Nampa has a potable municipal system and an irrigation municipal system. Jan was indicating that the irrigation water was separate from Nampa's potable water system. I did a re-exam in 2000 and recommended irrigation use as listed on the permit. Licensing of the permit has been delayed because the city filed an SRBA claim on the permit in 1991, claiming municipal use rather than irrigation use.

Recommended flow and volume were determined using the only complete set of pumping records available at the time of the re-exam. The records covered the 1996 irrigation season, which showed the well producing 452 afa of water. Please see this reports flow calculations for justification of the recommended 1.5 cfs.

I met with Dave Tuthill 3/17/05 because he is making the SRBA recommendations for all

municipal claims. Dave advised me to recommend year round municipal use for 1.5 cfs, not to list a volume and use the City of Nampa's municipal service area as the place of use. Dave stated that the service area shape file had been created in the SRBA for the City of Nampa and is available. A volume limit of 452 afa should be listed in conditions, per Shelley Keen, since the right was originally filed for irrigation use.

The above changes will require a licensing amendment. Tony Chavez is no longer with the city.

Please send all correspondence to Carla Carol, City of Nampa Public Works Department, 411 3rd St S, Nampa ID 83651. She is aware of the permit, very much in favor of the licensing amendment and will make sure the necessary paperwork flows through the proper channels. Her direct line is 468-5420.

Please note that proof of beneficial use was filed by the city in 1984, which did not require a fee at that time.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

$$850 \text{ gpm} / 448.8 = 1.9 \text{ cfs (Flowmeter)}$$

$$50 \text{ hp} \times 8.8 \times .7 = 1.76 \text{ cfs}$$

$$61 + 60 \text{ psi} \times 2.31$$

Pumping level per well log

Allow 1.5 cfs per permit

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{452 \text{ per pump records}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{1.5 \times 230 \times 1.9835 = 684.3}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{452}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
<u>Municipal</u>	<u>1/01</u>	<u>12/31</u>	<u>1.5 cfs</u>	
Totals:			<u>1.5 cfs</u>	

2. Recommended Amendments

☐ 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

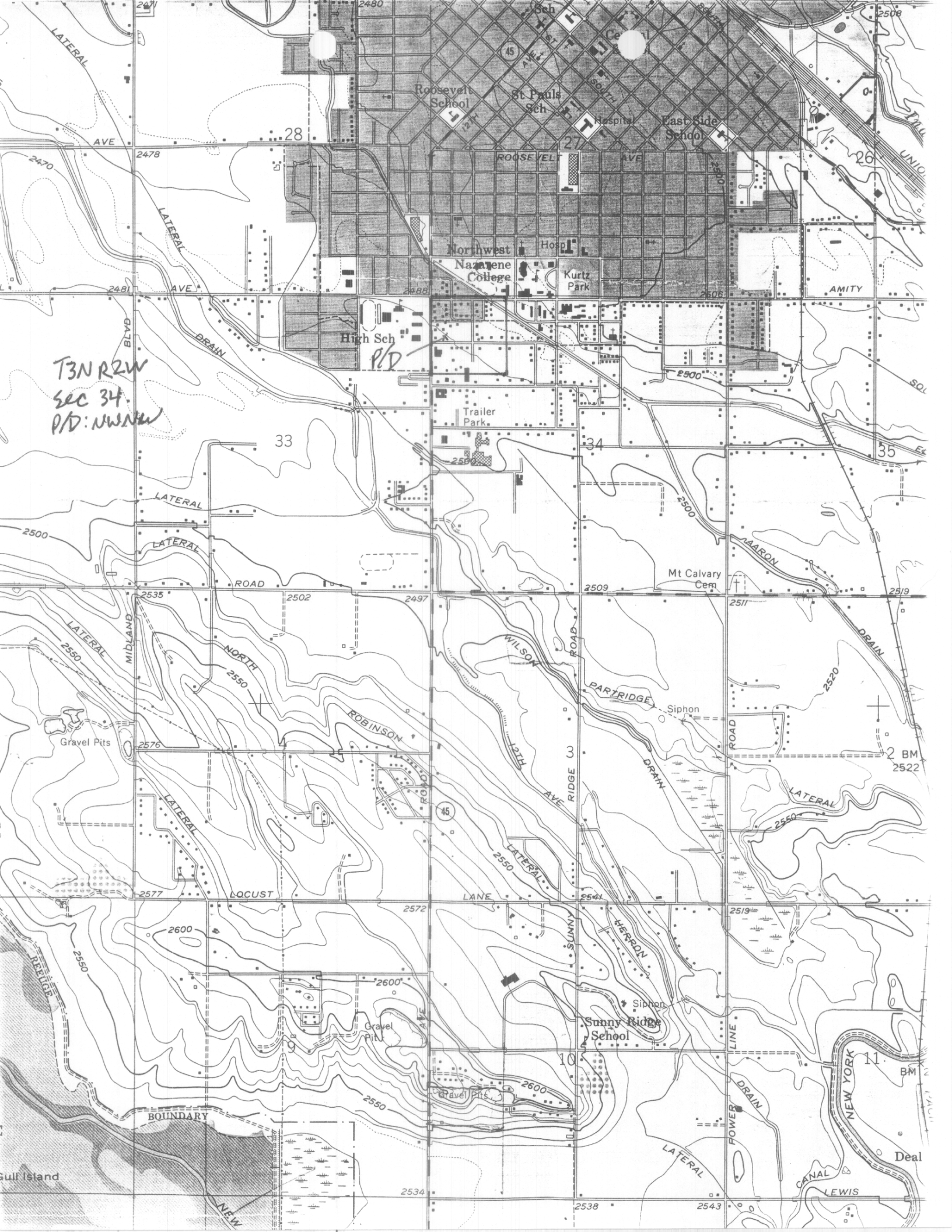
I. AUTHENTICATION

Lori Graves –Senior Agent

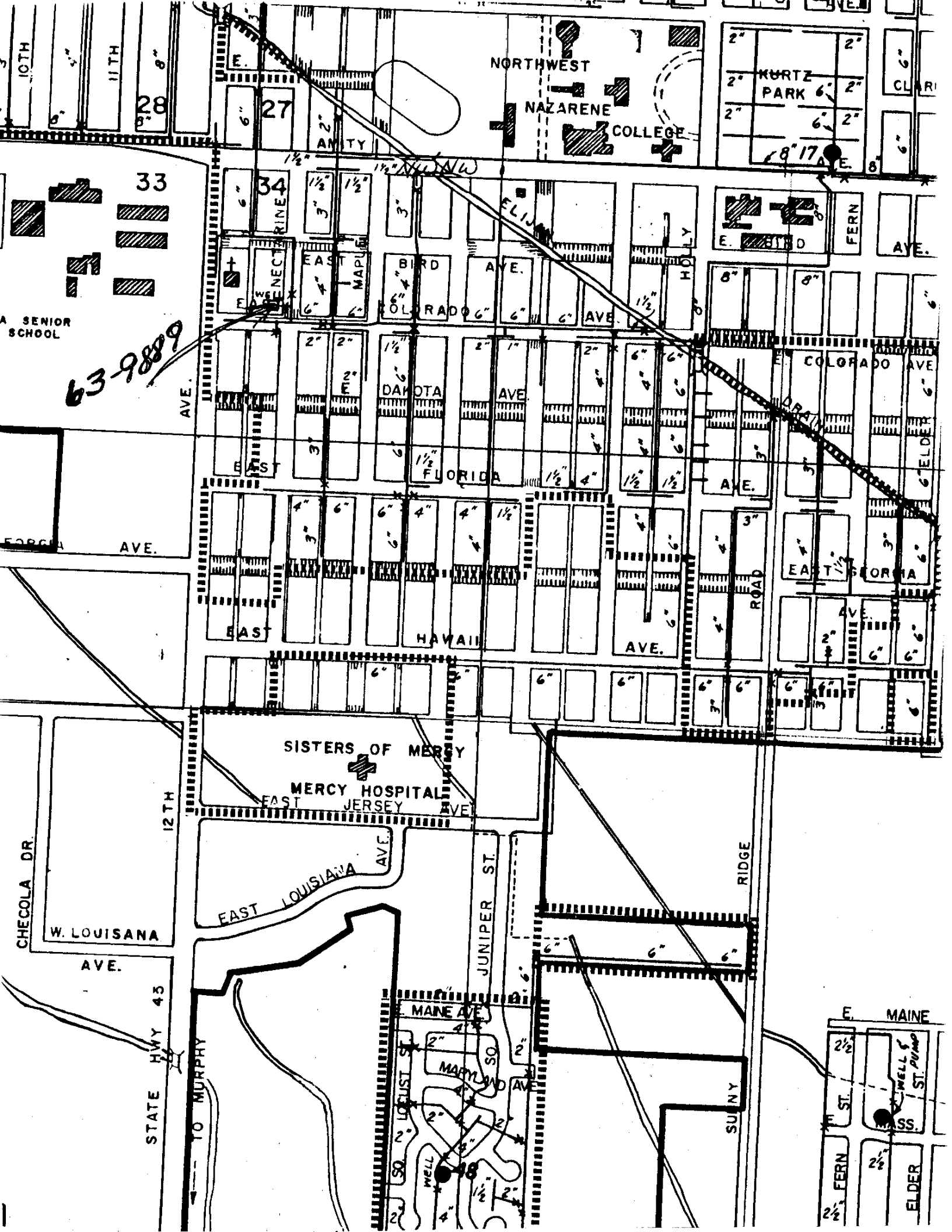
Field Examiner's Name Lori Graves Date 3/30/2005

Reviewer _____ Date _____

SEAL



T3N R2W
Sec 34.
P/D: NW



147,296,000

PUMP: COLORADOMONTH/YEAR: 4 / 196BEGIN READ: 151847-000 GAL.

END READ: _____ GAL.

DAY	GPM	PSI	TOTAL GALLONS	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8			151257-000	
9				
10				
11	790		155349-000	
12	640	85	156388-000	
13				
14				
15	670	80	159404-000	
16	700	70	160387-000	
17	690	70	161399-000	
18	680	75	162459-000	
19	680	75	163210-000	
20				
21				
22	630	88	166148-000	
23	670	80	167177-000	
24	650	85	168035-000	
25	670	80	169016-000	
26	670	75	170159-000	
27				
28				
29	680	72	173054-000	
30	680	72	174603-000	
31				

MONTH TOTAL: 22,746,000 GALLONS

MAJOR OCCURRENCES: (such as, pump down, meter replaced, etc)

1) _____

2) _____

3) _____

ELECTRICAL COST: \$ _____

FROM: 1 / 1 TO: 1 / 1

FUSES IN

PUMP: COLORADO

MONTH/YEAR: 5/196

BEGIN READ: 171663-000 GAL.

END READ: 197792-000 GAL.

DAY	GPM	PSI	TOTAL GALLONS	COMMENTS
1	680	73	174702-000	
2	680	68	175793-000	
3	710	65	176933-000	
4				
5				
6	710	62	179432-000	
7	680		180809-000	
8	670	65	181973-000	
9	640	62	182893-000	
10	670	74	183885-000	
11				
12				
13	630		186714-000	
14	640		187819-000	
15	620	75	188813-000	
16	620	85	189533-000	
17	540	82	190541-000	
18				
19				
20		75		
21		80		
22		80		
23		80		
24				
25				
26				
27				
28	780	65	194958-000	
29	710	65	195698-000	
30	670	65	196614-000	
31	670	65	197792-000	

MONTH TOTAL: 23,169,000 GALLONS

MAJOR OCCURRENCES: (such as, pump down, meter replaced, etc)

- 1) _____
- 2) _____
- 3) _____

ELECTRICAL COST: \$ _____

FROM: / / TO: / /

PUMP: COLORADOMONTH/YEAR: 8/ 196BEGIN READ: 258109-000 GAL.

END READ: _____ GAL.

DAY	GPM	PSI	TOTAL GALLONS	COMMENTS
1				
2	670	65	259961-000	
3				
4				
5	660	65	262885-000	
6				
7	668	64	264774-000	
8				
9	640	65	266744-000	
10				
11				
12	700	60	269761-000	
13				
14	680	62	271896-000	
15				
16	670	64	272430-000	
17				
18				
19	670	65	276210-000	
20				
21	660	64	278576-000	
22				
23	650	80	280469-000	
24				
25				
26	660	80	283367-000	
27				
28	650	72	284720-000	
29				
30	650	67	286503-000	
31				

MONTH TOTAL: 28,394,000 GALLONS

MAJOR OCCURRENCES: (such as, pump down, meter replaced, etc.)

1) _____

2) _____

3) _____

ELECTRICAL COST: \$ _____

FROM: 1 / 1 TO: 1 / 1

PUMP: COLORADOMONTH/YEAR: 6/196BEGIN READ: 19772-000 GAL.END READ: 224952-000 GAL.

DAY	GPM	PSI	TOTAL GALLONS	COMMENTS
1				
2				
3	680		200671-000	
4	670	66	201594-000	
5	670	65	202691-000	
6		62	203998-000	OFF - WIRE BURST
7				
8				
9				
10	710	68	206880-000	
11				
12	710	64	208345-000	
13				
14	730	63	211068-000	
15				
16				
17	740	63	214077-000	
18	710		215329-000	
19	720	62	216140-000	
20				
21	660	64	218041-000	
22				
23				
24	690	65	220851-000	
25				
26	620	65	223087-000	
27				
28	640	62	224952-000	
29				
30				
31				

MONTH TOTAL: 27,180,000 GALLONS

MAJOR OCCURRENCES: (such as, pump down, meter replaced, etc)

1) _____

2) _____

3) _____

ELECTRICAL COST: \$ _____

FROM: 1/1 TO: 1/1

PUMP: COLORADOMONTH/YEAR: 7 / 196BEGIN READ: 224952-000 GAL.END READ: 258109-000 GAL.

DAY	GPM	PSI	TOTAL GALLONS	COMMENTS
1	720	64	227082-000	
2	710	60	228437-000	
3	799	42	229880-000	
4				
5	680	74	231917-000	
6				
7				
8	700	65	234914-000	
9	690	62	236067-000	
10				
11	720	64	238262-000	
12	700	68	239841-000	
13				
14				
15	690	68	241950-000	
16				
17	700	62	244016-000	
18				
19	670	79	246012-000	
20				
21				
22	690	68	248921-000	
23				
24	720	68	250849-000	
25				
26	720	65	253031-000	
27				
28				
29	640	66	256035-000	
30				
31	690	74	258109-000	

MONTH TOTAL: 33,157,000 GALLONS

MAJOR OCCURRENCES: (such as, pump down, meter replaced, etc.)

1) _____

2) _____

3) _____

ELECTRICAL COST: \$ _____

FROM: / / TO: / /

PUMP: CONURACMONTH/YEAR: 9 / 196BEGIN READ: 286503-000 GAL.

END READ: _____ GAL.

DAY	GPM	PSI	TOTAL GALLONS	COMMENTS
1				
2				
3			289725-000	
4				
5				
6		70	289725-000	
7				
8				
9	620	72	289729-000	
10				
11	680	80	291918-000	
12				
13	640	84	293629-000	
14				
15				
16	590	99	296593-000	
17				
18	640		298396-000	
19				
20	—	76	299153-000	OFF
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

MONTH TOTAL: 12,650,000 GALLONS

MAJOR OCCURANCES: (such as, pump down, meter replaced, etc)

1) _____

2) _____

3) _____

ELECTRICAL COST: \$ _____

FROM: / / TO: / /

7. WATER LEVEL

Static water level 7 feet below land surface

Flowing? ☐ Yes ☒ No G.F.M. flow _____

Temperature 60° F. Quality _____

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

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
727	51 51 feet	6
904	61 feet	2

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Fast Yes
	From	To		
20	0	2	top soil	
"	2	8	clay-sandy	
"	8	25	sand	x
"	25	39	sandy brown clay	
"	39	43	coarse sand	x
"	43	47	cemented sand	
"	47	92	lava rock	
"	92	98	brown clay	
"	98	104	lava rock	
"	104	107	pea gravel	x
"	107	109	lava rock	
16	109	121	sandy clay	
"	121	183	sand & gravel	x
"	183	186	sand, gravel & clay chunks	x
"	186	201	sand & gravel	x
"	201	210	clay	

☒ Cable ☐ Rotary ☐ Dug ☐ Other

Diameter of hole 16 inches Total depth 210 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness		Diameter		From		To	
<u>.25</u>	inches	<u>20</u>	inches	<u>+ 6"</u>	feet	<u>47'6"</u>	feet
<u>.375</u>	inches	<u>16</u>	inches	<u>+ 2</u>	feet	<u>165</u>	feet
<u>.25</u>	inches	<u>8</u>	inches	<u>135</u>	feet	<u>169</u>	feet
<u>.38</u>	inches	<u>6</u>	inches	<u>180</u>	feet	<u>189</u>	feet
<u>.25</u>	inches	<u>8</u>	inches	<u>360</u>	feet	<u>310</u>	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 stainless Model No. _____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet
 Diameter ____ Slot size ____ Set from 365 feet to 100 feet

Diameter 8" Slot size 35 Set from 165 feet to 180 feet
27 35 185 200

Gravel washed? ☒ Yes ☐ No Size of gravel #8 sand

Placed from 138 feet to 210 feet

Surface seal depth 20 Material used in seal ☒ Cement grout

☐ Puddling clay ☐ Well cuttingSealing procedure used ☐ Sherry pit ☒ Temporary surface coating☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____

Lot No. _____ Block No. _____

County _____ Canyon _____

NW ¼ NW ¼ Sec. 34, T. 3 N, R. 2 E

10. Work started 4/8/82 finished 6/22/82

11. DRILLERS CERTIFICATION

Firm Name Witt Wall Drilling Firm No. 55

Address Rt E Box 380 Chiloche Date June 30

Signed by (Firm Official) [Signature]

and
(Operator) [Signature]