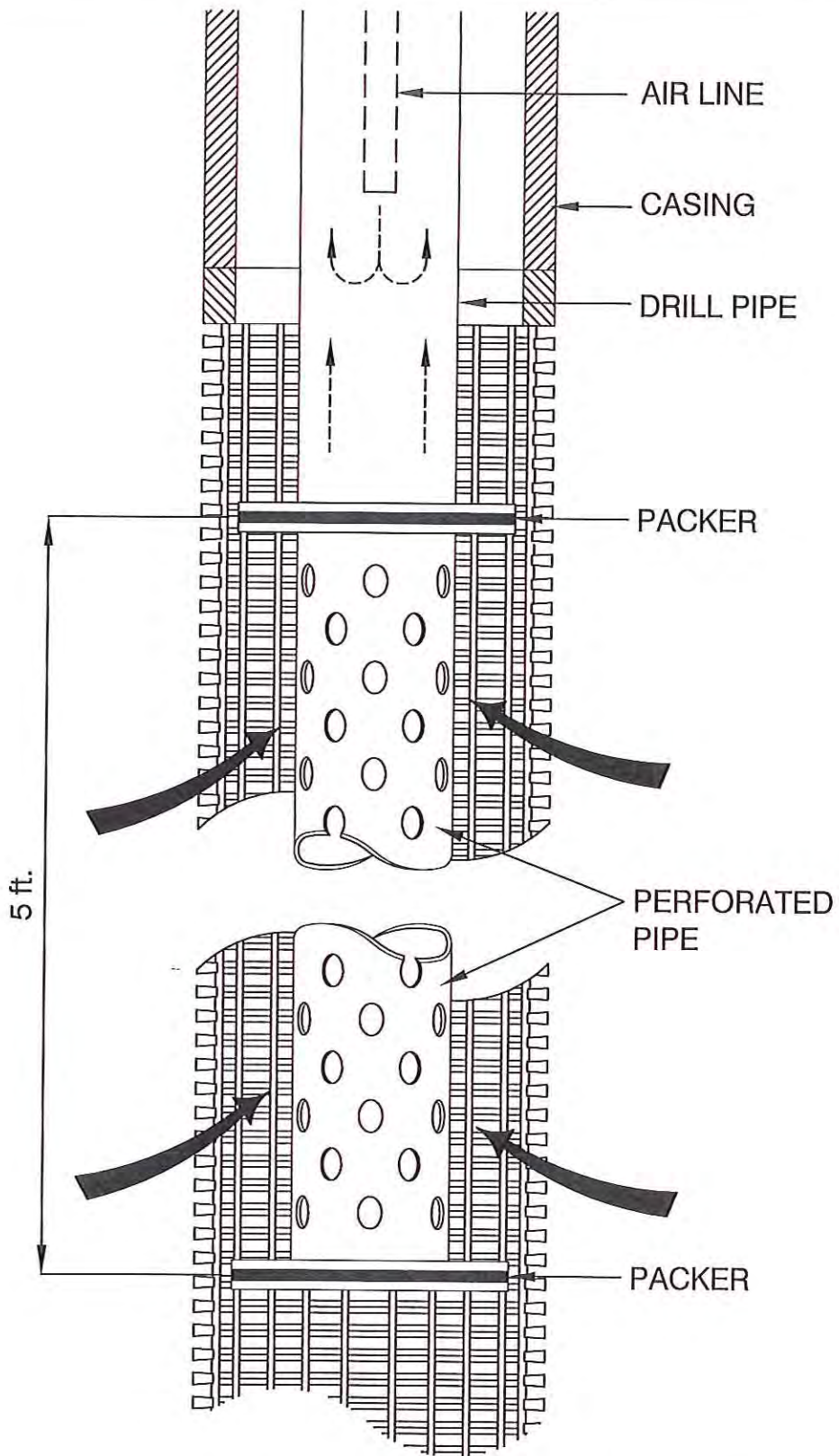


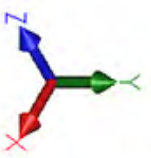
ATTACHMENT 2  
Technical Specifications

Well Testing Equipment Schematics,  
Well Design Diagrams, and Well Driller's Reports


J:\NaturalResources\HydrologicSciences\groundwater files\Well Siting and Drilling\Standard Diagrams & Figures\Development Tool Diagram.dwg  
 Jun 09, 2015 - 9:37am



Groundwater and Wells, Johnson Filtration Systems

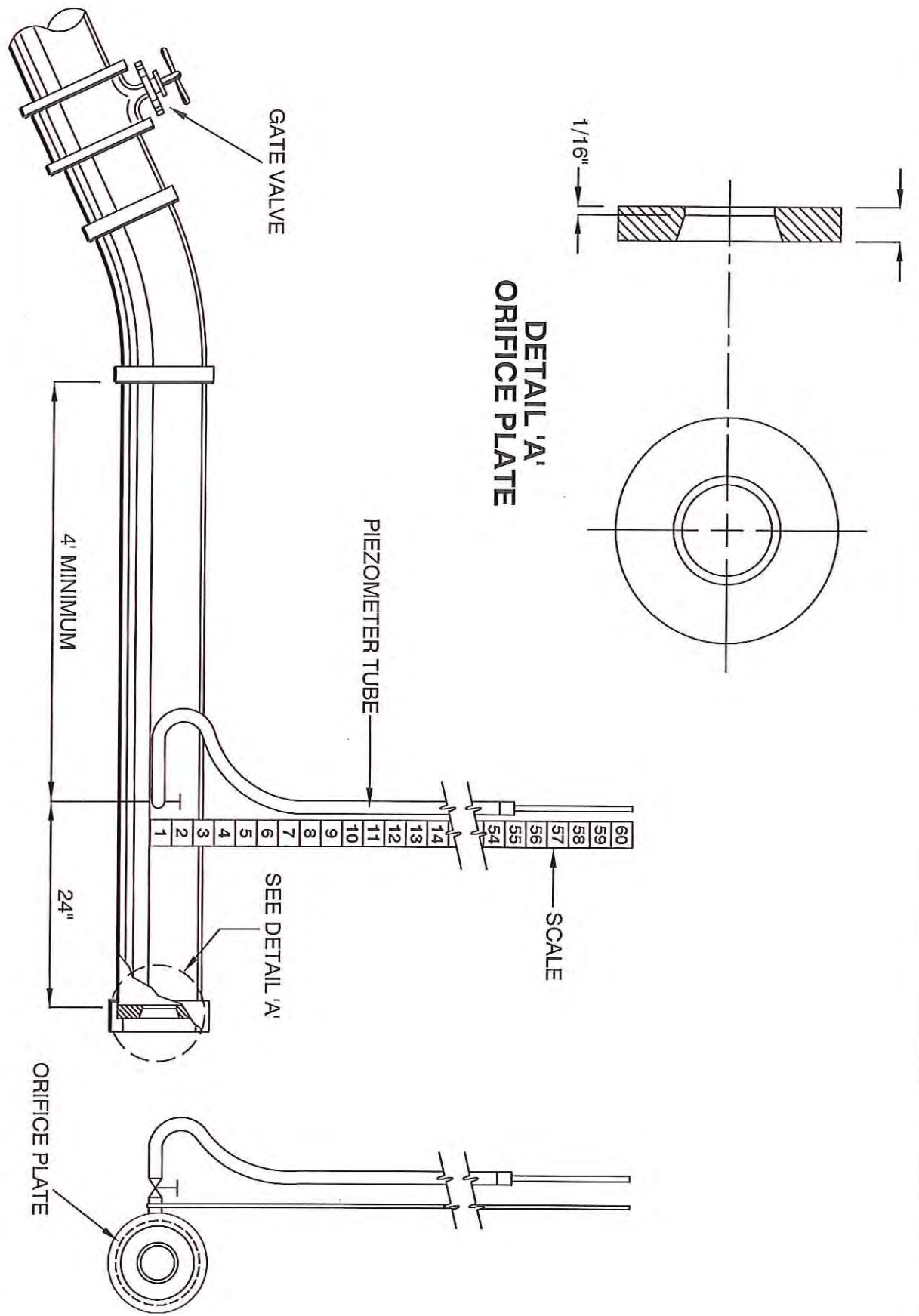


Rossum Sand Tester



**TRUCKEE MEADOWS WATER**  
 R U T H O R I T Y  
 1355 CAPITAL BLVD. / PO BOX 30013  
 RENO, NEVADA 89520-3013  
 PH 775-894-8000 / FX 775-894-8003

**ORIFICE WEIR DIAGRAM**



DATE:	JUNE 2015
DRAWN BY:	TK
WORK ORDER #:	NA
SCALE:	NTS

**FIGURE**

GALLETTI  
STATE OF NEVADA  
DIVISION OF WATER RESOURCES

OFFICE USE ONLY

Log No. 79032  
Permit No. 87  
Station 87

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 42852

1. OWNER SIERRA PACIFIC POWER COMPANY ADDRESS AT WELL LOCATION 1205 S. 21ST. ST...  
MAILING ADDRESS P.O. BOX 10100 SPARKS, NV 89431  
RENO, NV 89520

2. LOCATION NW 1/4 SE 1/4 Sec. 7 T. 19 N. S. R. 20 E. WASHOE County  
PERMIT NO. 65167/W-511-A 034-010-56 N/A  
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other

4. PROPOSED USE  
 Domestic  Irrigation  Test  
 Municipal/Industrial  Monitor  Stock

5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other FLOODED

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
BOULDERS		0	10	10
GRAVELS & SAND, SOME BOULDERS		10	40	30
GRAVEL & SAND, SOME CLAY		40	100	60
CLAY & SAND, SOME GRAVEL		100	180	80
GRAVEL, SOME CLAY & SAND		180	190	10
CLAY, SOME GRAVEL & SAND		190	200	10
CLAY & ROCK, SOME SAND		200	210	10
GRAVEL, SOME CLAY & SAND		210	220	10
GRAVEL		220	240	20
CLAY, SOME GRAVEL & SAND		240	250	10
CLAY		250	260	10

8. WELL CONSTRUCTION  
Depth Drilled 26.0 Feet Depth Cased 25.0 Feet

HOLE DIAMETER (BIT SIZE)

From	To
48 Inches	0 Feet 26 Feet
38 Inches	0 Feet 115 Feet
29 Inches	0 Feet 260 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
42	221.61	0.500	0	26
30	157.53	0.500	+1	115
16	62.58	0.375	+2	250

Perforations:  
Type perforation LOUVERED  
Size perforation 0.125" X 2.375"

From	feet to	feet
120	148	feet
162	200	feet
210	240	feet

Surface Seal:  Yes  No Seal Type:  
Depth of Seal 1.15'  Neat Cement  
Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout

Gravel Packed:  Yes  No  
From 30 feet to 26.0 feet

9. WATER LEVEL  
Static water level 32.3 feet below land surface  
Artesian flow N/A G.P.M.          P.S.I.  
Water temperature COOL °F Quality GOOD

Date started DECEMBER 15, 1999  
Date completed JANUARY 7, 2000, 10

7. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	<input type="checkbox"/> Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	

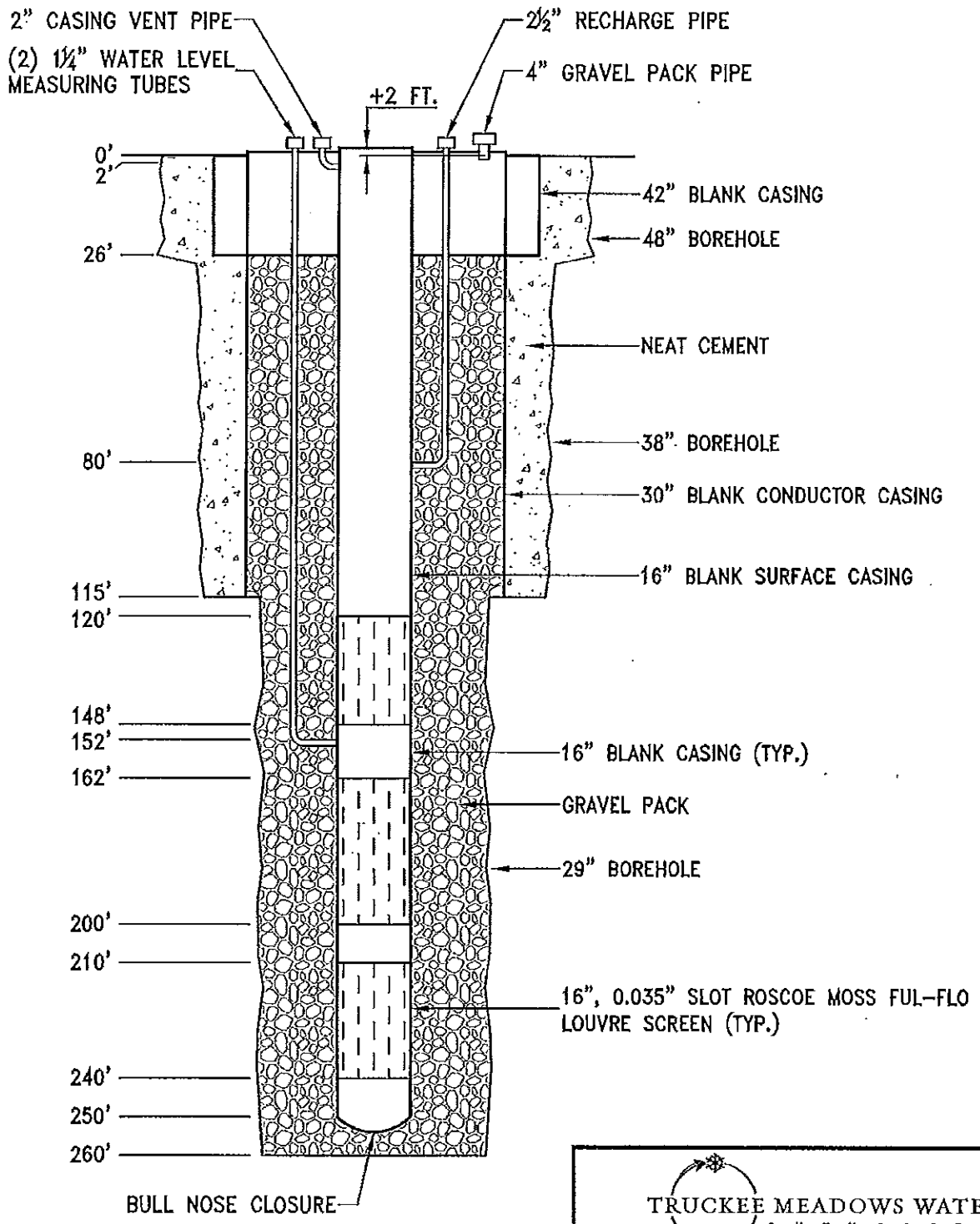
10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name LANG EXPLORATORY DRILLING Contractor  
Address P.O. BOX 5279 Contractor  
ELKO, NV 89802

Nevada contractor's license number issued by the State Contractor's Board 0021976  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1716

Signed David Daas  
By driller performing actual drilling on site or contractor  
Date January 8, 2000

B.S.T.L




**TRUCKEE MEADOWS WATER AUTHORITY**  
1155 CORPORATE BLVD. / PO BOX 00014  
 RENO, NEVADA 89502-0014  
 PH 775-331-9100 / FX 775-331-5008

**Figure 1**  
**GALLETTI WAY PRODUCTION WELL**  
**CONSTRUCTION PLAN**  
 N.T.S.

25829

# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 9609  
 Rec. July 24 1967  
 Well No. \_\_\_\_\_  
 Permit No. 23848

Do not fill in.

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Owner Sierra Pacific Power Company Driller Layne Texas Company  
 Address 100 E. Moana Lane, Reno, Nevada Address Houston, Tex. 77011 Lic. No. 5573

Location of well: SE 1/4 Sec. 8, T. 19 N. 8, R. 20 E, in Washoe County  
 or Greg Street Well, Sparks, Nevada

Water will be used for Domestic Total depth of well 274'  
 Size of drilled hole 30"-100', 34"-100 to 274' Weight of casing per linear foot 24"-94.62#/ft.  
18"-70.59#/ft.

Thickness of casing 3/8" wall Temp. of water 57° F.

Diameter and length of casing 30-3/4"-64', 24"-100', 18"-274'  
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)

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

If nonflowing well give depth of standing water from surface 13'

If flowing well describe control works \_\_\_\_\_  
(Type and size of valve, etc.)

Date of commencement of well 11/9/66 Date of completion of well 4/20/67

Type of well rig Rotary

### LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, etc.
0	63	63	Gravel & sand	
63	81	18	Sand, big gravel, few clay strks	Chief aquifer (water-bearing formation) from 110 to 260 ft.
81	86	5	Big gravel & clay	
86	109	23	Sand, big gravel, few clay strks	Other aquifers
109	112	3	Clay	
112	126	14	Sand, big gravel & clay strks	
126	129	3	Clay	
129	168	39	Sand, gravel, few clay strks.	
168	174	6	Clay	
174	222	48	Sand, big gravel, few clay strks.	
222	223	1	Clay	
223	240	17	Sand, gravel, few clay streaks	
240	242	2	Clay	
242	262	20	Sand & gravel	
262	271	9	Clay & sandy clay	
271	284	13	Sand & gravel	

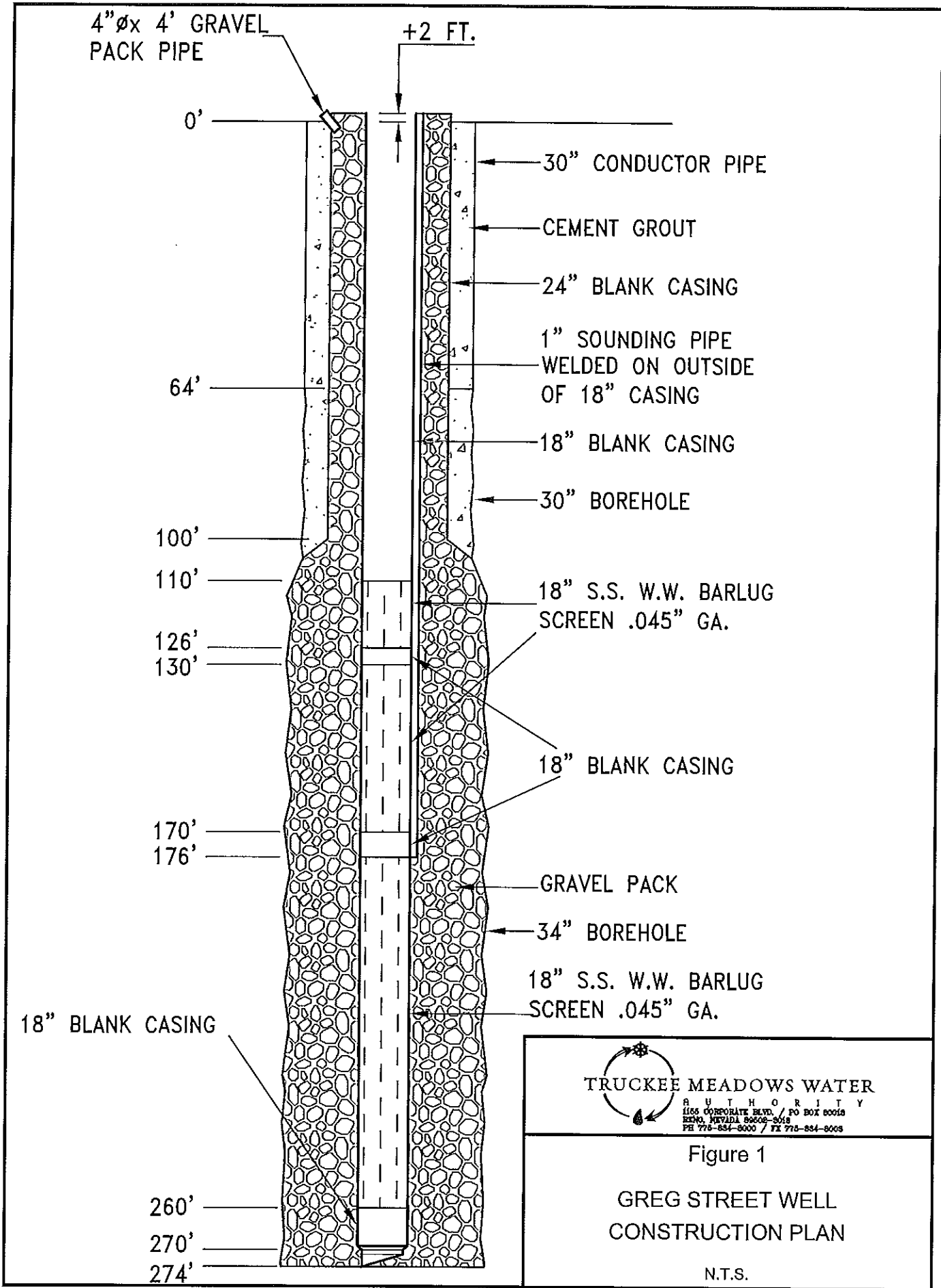
First water at 110 feet.

Casing perforated  
from 110 to 26 ft.

Size of perforations  
.045 ga.







4"Øx 4' GRAVEL  
PACK PIPE

+2 FT.

0'

30" CONDUCTOR PIPE

CEMENT GROUT

24" BLANK CASING

1" SOUNDING PIPE  
WELDED ON OUTSIDE  
OF 18" CASING

18" BLANK CASING

30" BOREHOLE

64'

100'

110'

18" S.S. W.W. BARLUG  
SCREEN .045" GA.

126'

130'

18" BLANK CASING

170'

176'

GRAVEL PACK

34" BOREHOLE

18" S.S. W.W. BARLUG  
SCREEN .045" GA.

18" BLANK CASING

260'

270'

274'


**TRUCKEE MEADOWS WATER**  
 AUTHORITY  
1155 CORPORATE BLVD. / PO BOX 80018  
 RENO, NEVADA 89608-8018  
 PH 775-854-8000 / FX 775-854-8005

Figure 1

**GREG STREET WELL  
CONSTRUCTION PLAN**

N.T.S.

OFFICE USE ONLY  
Log No. 42932  
Permit No. 67  
Basin 67

**WELL DRILLER'S REPORT**  
Please complete this form in its entirety

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 9117

1. OWNER Sierra Pacific Power Company ADDRESS AT WELL LOCATION Corbett School  
MAILING ADDRESS P.O. Box 10100 @ Villanova Drive and Market Street  
Reno, NV 89520

2. LOCATION NE 1/4 SW 1/4 Sec 18 T. 19N N/S R. 20 E Washoe County  
PERMIT NO. 57006 13-333-10 N/A  
Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK  
New Well  Recondition   
Deepen  Other

4. PROPOSED USE  
Domestic  Irrigation  Test   
Municipal  Industrial  Stock  Other

5. TYPE WELL  
Cable  Rotary   
Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
med sand w/brn clay		0	2	2'
med - coarse sand		2	3	1'
fine - med sand		3	5	2'
cobbles		5	18	13'
med to coarse sand		20	33	13'
cobbles w/brn clay		18	20	2'
silty brn clay		33	37	4'
brn silty grey clay w/cobbles		37	50	13'
cobbles w/ayers brn clay,				
fine sand		50	65	15'
mud & coarse sand, some				
sm gravel, cobbles		65	84	19'
sand stringers, fine - med				
sand, cobbles, clay		84	123	39'
sand, fine - med gravel		123	166	43'
brn/grey clay		166	178	12'
fine-coars sand, sm gravel		178	188	10'
gravel, med sand		188	214	26'
small - med cobbles		214	225	11'
med sand, sm gravel		225	230	5'
cobbles, sand		230	239	9'
med - coarse sand w/sm gravel		239	256	17'
sm gravel w/fine -				
coarse sand & cobbles		256	293	37'
brown clay		293	302	9'
brown sandy clay		302	313	11'
CONTINUED ON ATTACHED				

8. WELL CONSTRUCTION  
Diameter 34 inches Total depth 295 feet  
28 inches  
28 inches  
Casing record 30" 20" 16"  
Weight per foot 118.65 78.6 Thickness 3/8"  
Diameter 62.58 From To  
30 inches 0 feet 174 feet  
20 inches 0 feet 174 feet  
16 inches 174 feet 180 feet  
16 inches 219 feet 222 feet  
16 inches 280 feet 290 feet  
Surface seal: Yes  No  Type cement  
Depth of seal 174 feet  
Gravel packed: Yes  No   
Oravel packed from 10 feet to 295 feet

Perforations:  
Type perforation pipe base wire wrap  
Size perforation .065"  
From 180 feet to 219 feet  
From 222 feet to 280 feet  
From SEE ATTACHED DRAWING feet to SEE ATTACHED DRAWING feet  
From SEE ATTACHED DRAWING feet to SEE ATTACHED DRAWING feet

Date started February 11 1993  
Date completed June 16 1993

7. WELL TEST DATA

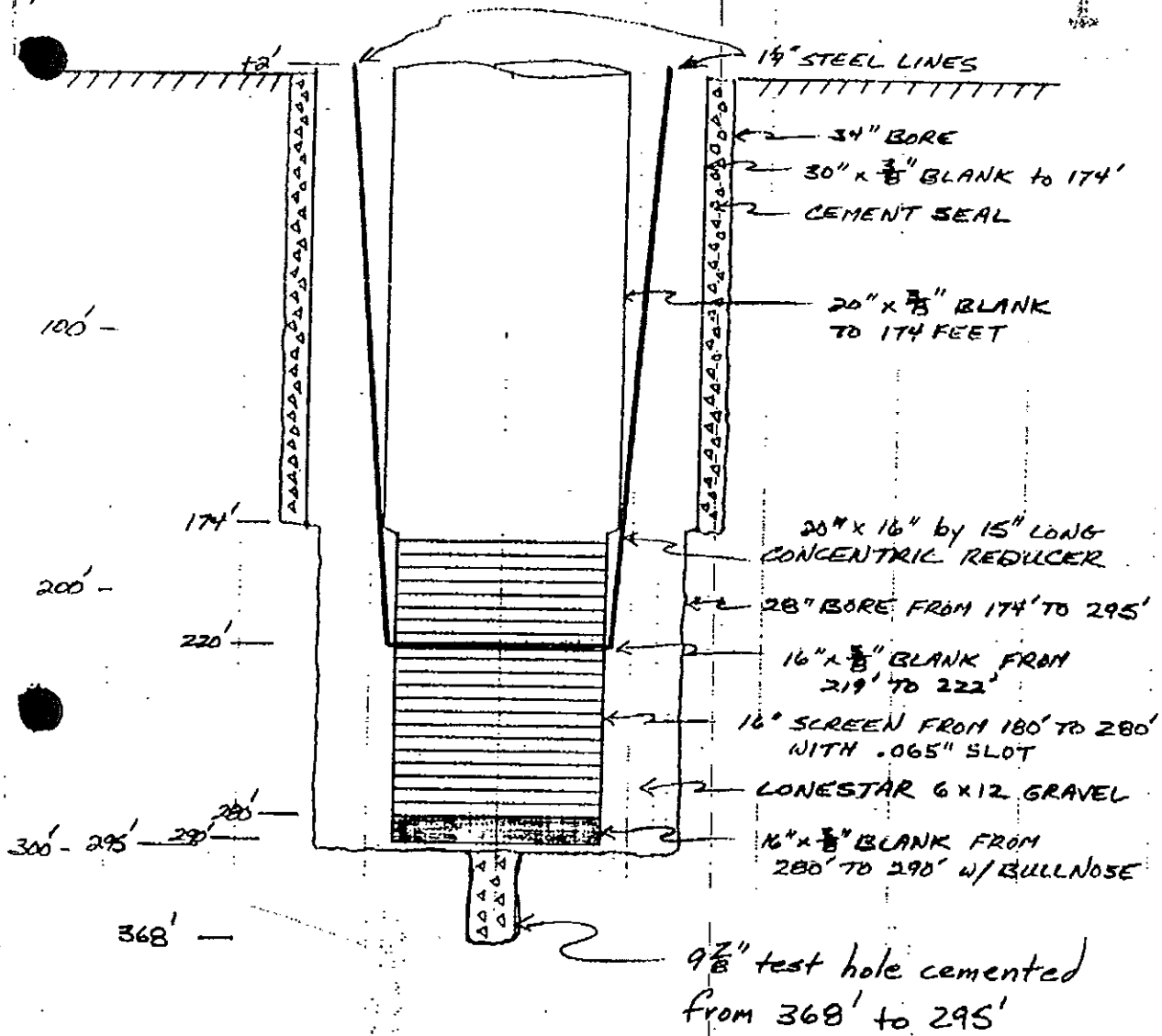
Pump RPM	G.P.M.	Draw Down	After Hours Pump
1800	1507	123.98	3
1800	1808	149.21	3
1800	999	86.89	3
1800	1261	99.89	3
1800	1491	120.11	48

BAILER TEST  
G.P.M. Draw down feet hours  
G.P.M. Draw down feet hours  
G.P.M. Draw down feet hours

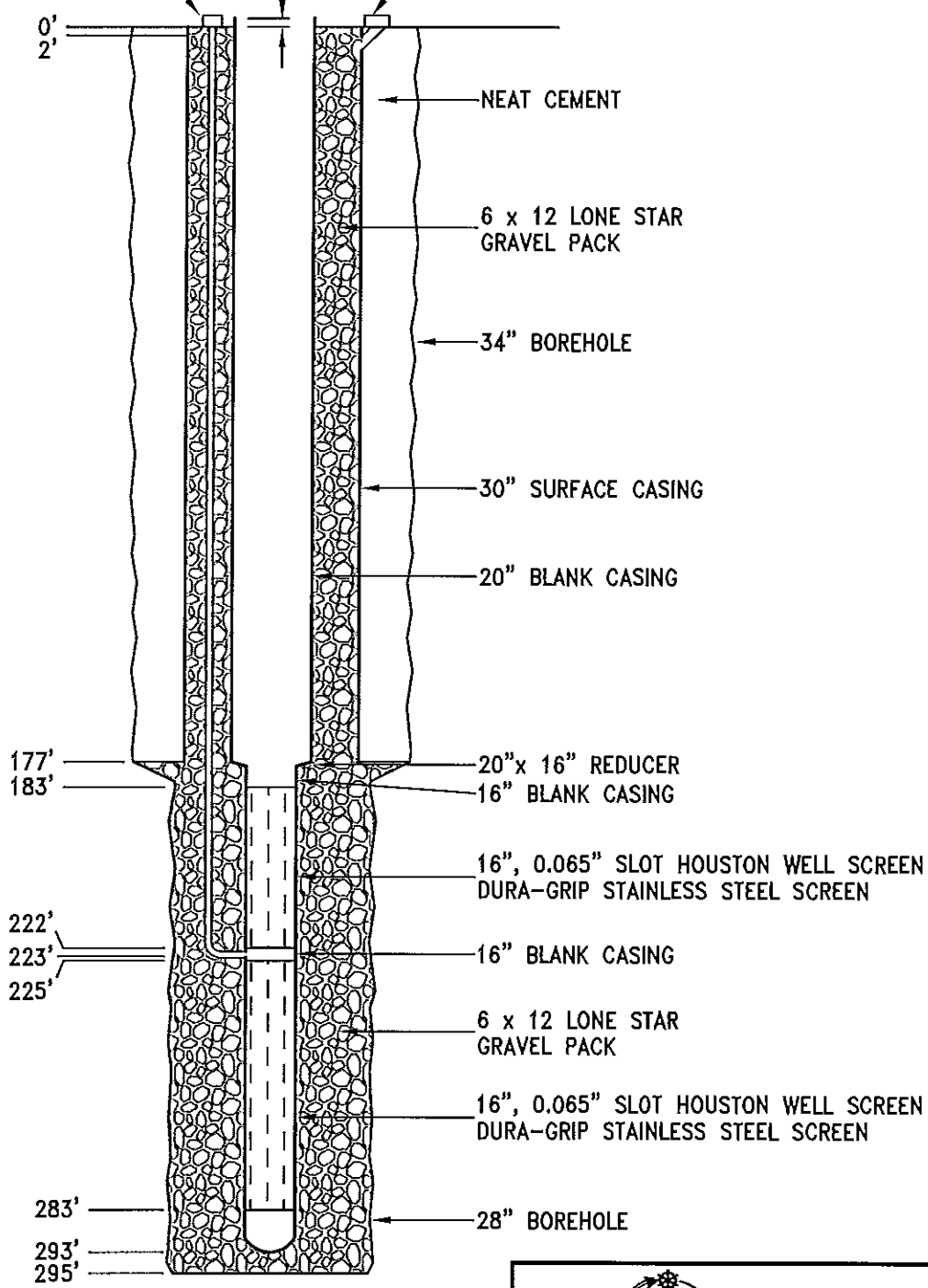
9. WATER LEVEL  
Static water level 30 feet below land surface  
Flow 1.491 G.P.M. - P.S.I.  
Water temperature 61.7 °F Quality -

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name Layne-Western Company Contractor  
Address P.O. Box 1326, Woodland, CA 95776 Contractor  
Nevada contractor's license number 0019101 issued by the State Contractor's Board  
Nevada contractor's driller's number 1564, 1695 issued by the Division of Water Resources  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller  
Signed [Signature] By driller performing actual drilling on site or contractor  
Date 9-23-93

CORBETT WELL Log # 427.32



2x1" WATER LEVEL MEASURING TUBES      +2 FT.      4" CAPPED GRAVEL PACK STEEL PIPE WELDED ONTO 30" SURFACE CASING



Note: The above depths were measured from top of pedestal with video camera on 1/20/2005


**TRUCKEE MEADOWS WATER AUTHORITY**  
1155 CORPORATE BLVD. / PO BOX 80018  
 RENO, NEVADA 89508-8018  
 PH 775-851-9000 / FX 775-851-9003

Figure 1  
**CORBETT PRODUCTION WELL CONSTRUCTION PLAN**  
 N.T.S.

Reno High

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

OFFICE USE ONLY  
Log No. 35505  
Permit No. 551740  
Basin 87  
NOTICE OF INTENT NO. 15427

WELL DRILLER'S REPORT

Please complete this form in its entirety

PRINT OR TYPE ONLY

1. OWNER Westpac Utilities  
MAILING ADDRESS P.O. Box 30028  
Reno, NV 89520-3028  
ADDRESS AT WELL LOCATION Idlewild  
1230 IDLEWILD DR. Idlewild Park  
Reno, Nev. Reno, NV  
2. LOCATION NE 1/4 NE 1/4 Sec. 15 T. 19  
PERMIT NO. 55436 F 10-15126  
Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK  
New Well  Recondition   
Deepen  Other   
4. PROPOSED USE  
Domestic  Irrigation  Test   
Municipal  Industrial  Stock  Other   
5. TYPE WELL  
Cable  Rotary   
Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Boulders		0	50	50
Sand & Gravel		50	86	36
Course Sand & Gravel				
Some Rock		86	116	30
Sand & Gravel				
Course Gravel		116	136	20
Course Gravel	X	136	156	20
Course Sand & Gravel	X	156	196	40
Course Rock		196	256	60
Course Sand & Gravel	X	256	296	40
Sand & Gravel	X	296	376	80
Course Sand & Gravel	X	376	456	80
Cement Seal		430	456	26

8. WELL CONSTRUCTION  
Diameter 42 inches Total depth 20 feet  
30 inches From 0 to 177  
16 inches From 0 to 456  
Casing record 30" X 375 W. & 16" X 375 W.  
Weight per foot Thickness  
Diameter From To  
30 inches 0 feet 177 feet  
16 inches 0 feet 456 feet  
Surface seal: Yes  No  Type Neat Cement  
Depth of seal 175 feet  
Gravel packed: Yes  No   
Gravel packed from 0 feet to 456 feet  
Perforations:  
Type perforation Houston Screen  
Size perforation 045 & 040 Slot  
From 180 feet to 230 feet .040  
From 230 feet to 240 Blank feet .375  
From 240 feet to 370 feet .040  
From 370 feet to 380 Blank feet .375  
From 380 feet to 420 feet .375  
420 430 Blank .375

Date started March 28, 1991  
Date completed June 6, 1991

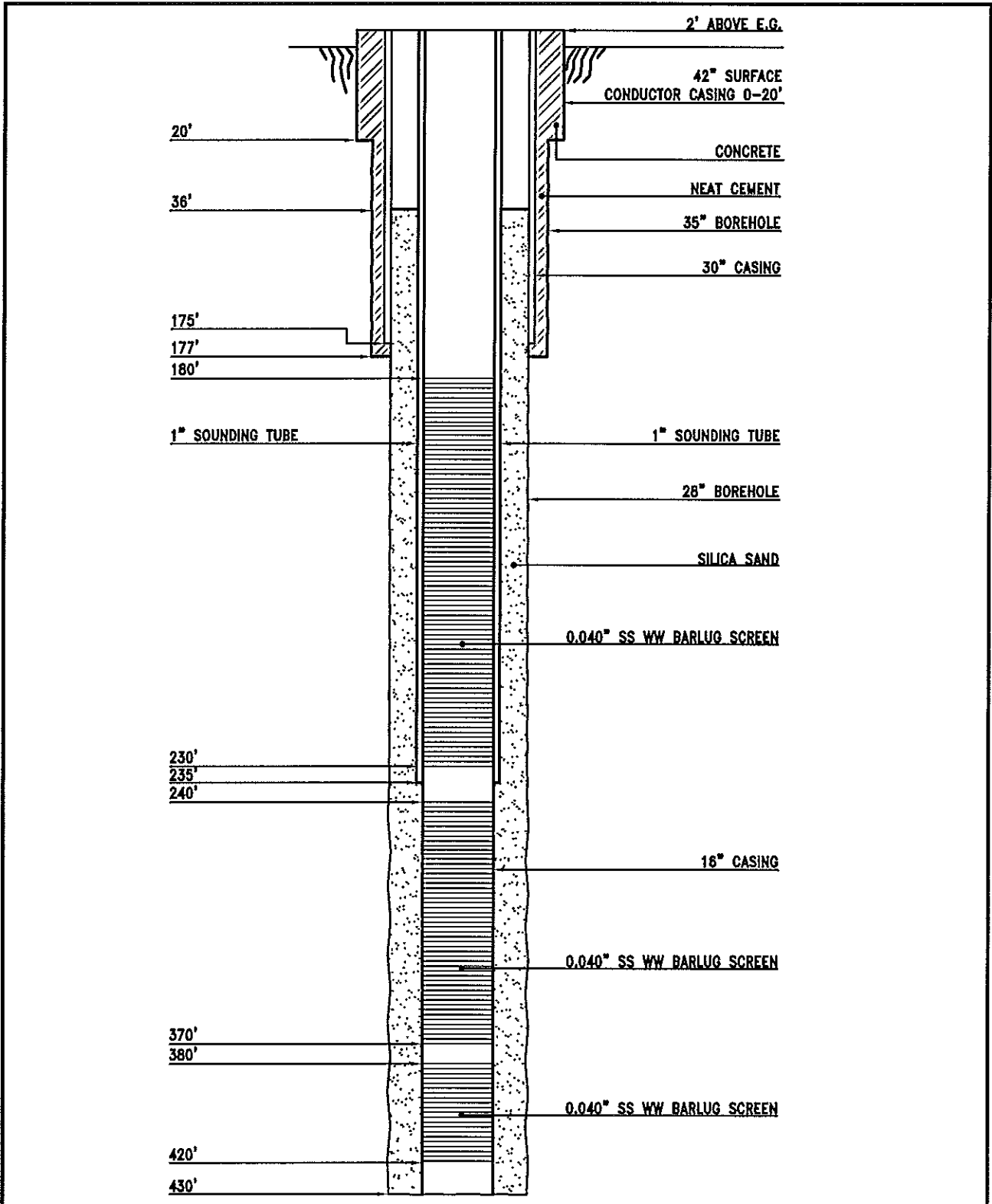
7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
	2000	102	48

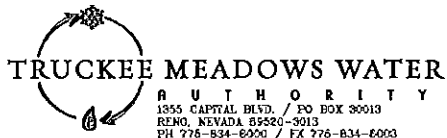
BAILER TEST  
G.P.M. Draw down feet hours  
G.P.M. Draw down feet hours  
G.P.M. Draw down feet hours

9. WATER LEVEL  
Static water level 120 feet below land surface  
Flow G.P.M. P.S.I.  
Water temperature Cold °F Quality

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name Humboldt Drilling & Pump Co., Inc.  
Address P.O. Box 592 Noca, NV 89445  
Nevada contractor's license number issued by the State Contractor's Board 015234  
Nevada contractor's driller's number issued by the Division of Water Resources 1154  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1714  
Signed [Signature]  
Date 7/13/91



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 Aug 27, 2013 2:52pm



**RENO HIGH PRODUCTION WELL  
 CONSTRUCTION MATERIALS DIAGRAM**

DATE:	AUGUST 2013
DRAWN BY:	TK
WORK ORDER #:	
SCALE:	NTS

FIGURE

1

Hunter Lake

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

STATE OF NEVADA  
DIVISION OF WATER RESOURCES  
WELL DRILLER'S REPORT

Please complete this form in accordance with NRS 534.170 and 534.171

RECEIVED

OFFICE USE ONLY

Log No. 47313  
Permit No. \_\_\_\_\_  
Basin \_\_\_\_\_

1. OWNER Wes Pac Utilities ADDRESS AT WELL LOCATION corner of  
MAILING ADDRESS P O BOX 30028 California & Hunter Lake Rd.  
Reno, NV 89710 Reno, NV  
2. LOCATION NE 1/4 SW 1/4 Sec. 15 T. 19 N/S R. 19 E Washoe County  
PERMIT NO. 57806 Issued by Water Resources Parcel No. \_\_\_\_\_ Subdivision Name \_\_\_\_\_

3. WORK PERFORMED  New Well  Replace  Recondition  Deepen  Abandon  Other \_\_\_\_\_  
4. PROPOSED USE  Domestic  Irrigation  Test  Municipal/Industrial  Monitor  Stock  
5. WELL TYPE  Cable  Rotary  RVC  Air  Other \_\_\_\_\_

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
See Attached Log				

8. WELL CONSTRUCTION  
Depth Drilled 495 Feet Depth Cased 485 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
36 Inches	0 Feet	105 Feet
28 Inches	105 Feet	495 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30	118.65	.375	+2	105
16	52.27	.312	12	215
16	52.27	.312	300	310
16	52.27	.312	475	485

Perforations:  
Type perforation Roscoe Moss full flow  
Size perforation Louvered - 3/16 slots  
From 215 feet to 300 feet  
From 310 feet to 475 feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  Neat Cement  
Depth of Seal: 105  Cement Grout  Concrete Grout  
Placement Method:  Pumped  Poured  
Gravel Packed:  Yes  No  
From 0 feet to 485 feet

9. WATER LEVEL  
Static water level 49 feet below land surface  
Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water temperature 10.2 °F Quality good

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Humboldt Drilling & Pump Co Inc.  
Contractor

Address P O Box 590  
Contractor  
Winnemucca, NV 89446

Nevada contractor's license number issued by the State Contractor's Board 015234

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1713

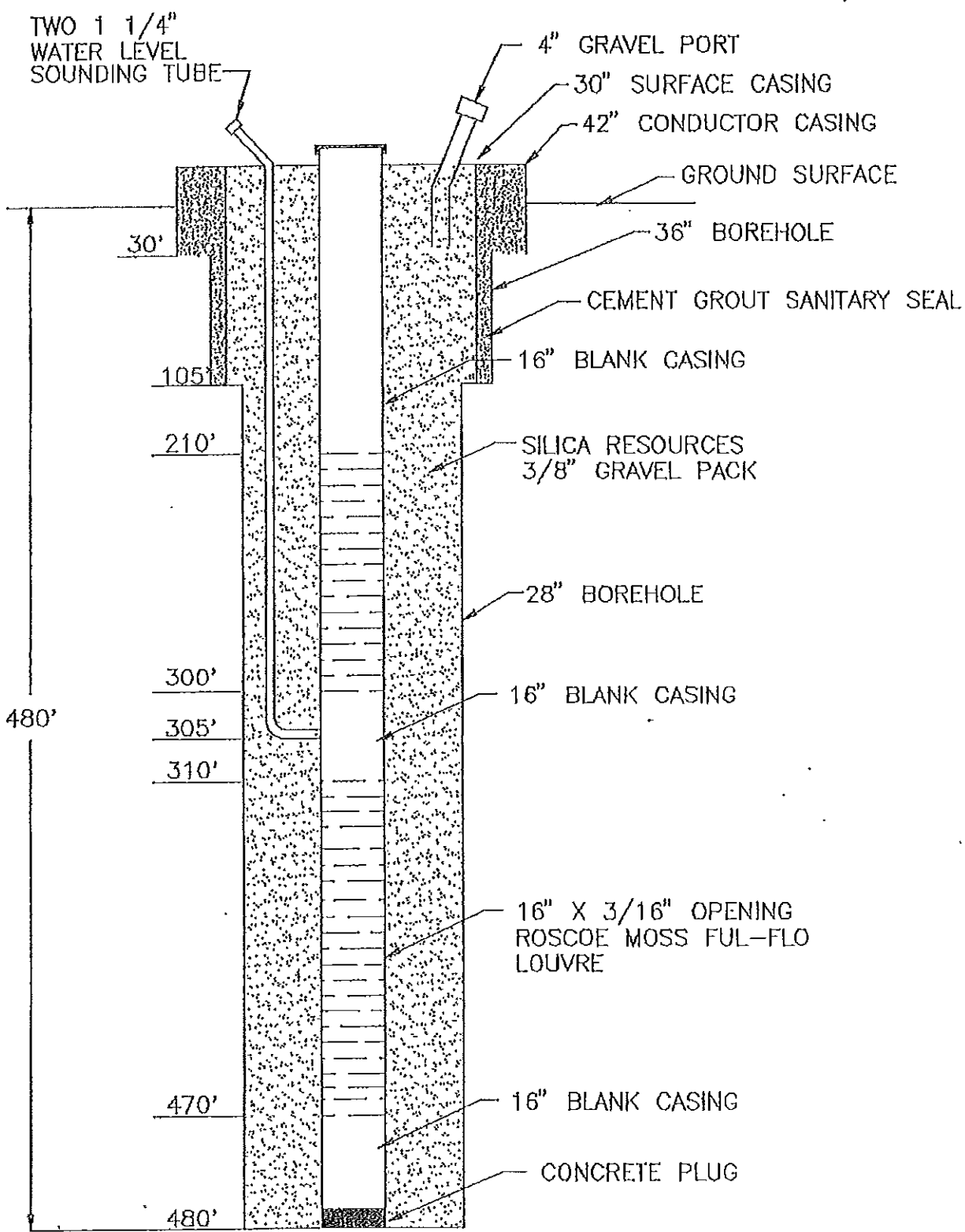
Signed [Signature]  
By driller performing actual drilling on site or contractor

Date 3-1-95

Date started Dec. 28, 1994  
Date completed FEB. 4, 1995

7. WELL TEST DATA  
TEST METHOD:  Bailer  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Stall)	Time (Hours)
<u>3600</u>	<u>160</u>	<u>12</u>



NOTE: 1. STRAIGHTENING VANES REQUIRED AS SPECIFIED.



**waterresource**  
 consulting engineers, inc.  
 730 TAHOE STREET - RENO, NEVADA - 09500  
 JOB NO. 9419.10 - FEBRUARY 1995

FIGURE 3.1  
 WESTPAC HUNTER LAKE

3-2 PRODUCTION WELL CONSTRUCTION



WHITE - DIVISION OF WATER RESOURCES  
 CANARY - CLIENT'S COPY  
 PINK - WELL DRILLER'S COPY

STATE OF NEVADA  
 DIVISION OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

OFFICE USE ONLY  
 Log No. 83414  
 Permit No. 66119  
 Basin 87

PRINT OR TYPE ONLY  
 DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 38343

1. OWNER Sierra Pacific Power Co. 4337733 ADDRESS AT WELL LOCATION 6100 Neil Road, Reno, NV, 89511  
 MAILING ADDRESS P.O. Box 10100  
Reno, NV 89520

2. LOCATION NE 1/4 SE 1/4 Sec. 31 T. 19N N/S R. 20E E. Washoe County  
 PERMIT NO. 66119 Issued by Water Resources Parcel No. 25-46-22 Subdivision Name N/A

3. WORK PERFORMED  
 New Well  Replace  Recondition  Deepen  Abandon  Other  
 4. PROPOSED USE  
 Domestic  Irrigation  Test  Municipal/Industrial  Monitor  Stock

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Brown clay		0	134	134
Sands & gravels		134	180	46
Clay		180	193	13
Sands & gravels		193	210	17
Clays		210	265	55
Sands & gravels		265	300	35
Clay		300	315	15
Steel plate welded between 16" & 32" casings.				

8. WELL CONSTRUCTION  
 Depth Drilled 315 Feet Depth Cased 315 Feet  
 HOLE DIAMETER (BIT SIZE)  

Inches	From	To	Feet
48	0	30	Feet
38	30	132	Feet
29	132	315	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
42	221.01	0.5	0	30
32	168.21	0.5	+2	132
16	62.58	0.375	+3	315

Perforations:  
 Type perforation Louvered  
 Size perforation 0.035"  

From	To	Feet
134	179	feet
193	208	feet
265	300	feet

Surface Seal:  Yes  No  
 Depth of Seal 132'  
 Placement Method:  Pumped  Poured  
 Seal Type:  Neat Cement  Cement Grout  Concrete Grout  
 Gravel Packed:  Yes  No  
 From 30 feet to 315 feet

9. WATER LEVEL  
 Static water level 5 feet below land surface  
 Artesian flow N/A G.P.M. \_\_\_\_\_ P.S.I. \_\_\_\_\_  
 Water temperature Cool °F Quality Good

10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.  
 Name Lang Exploratory Drilling Contractor

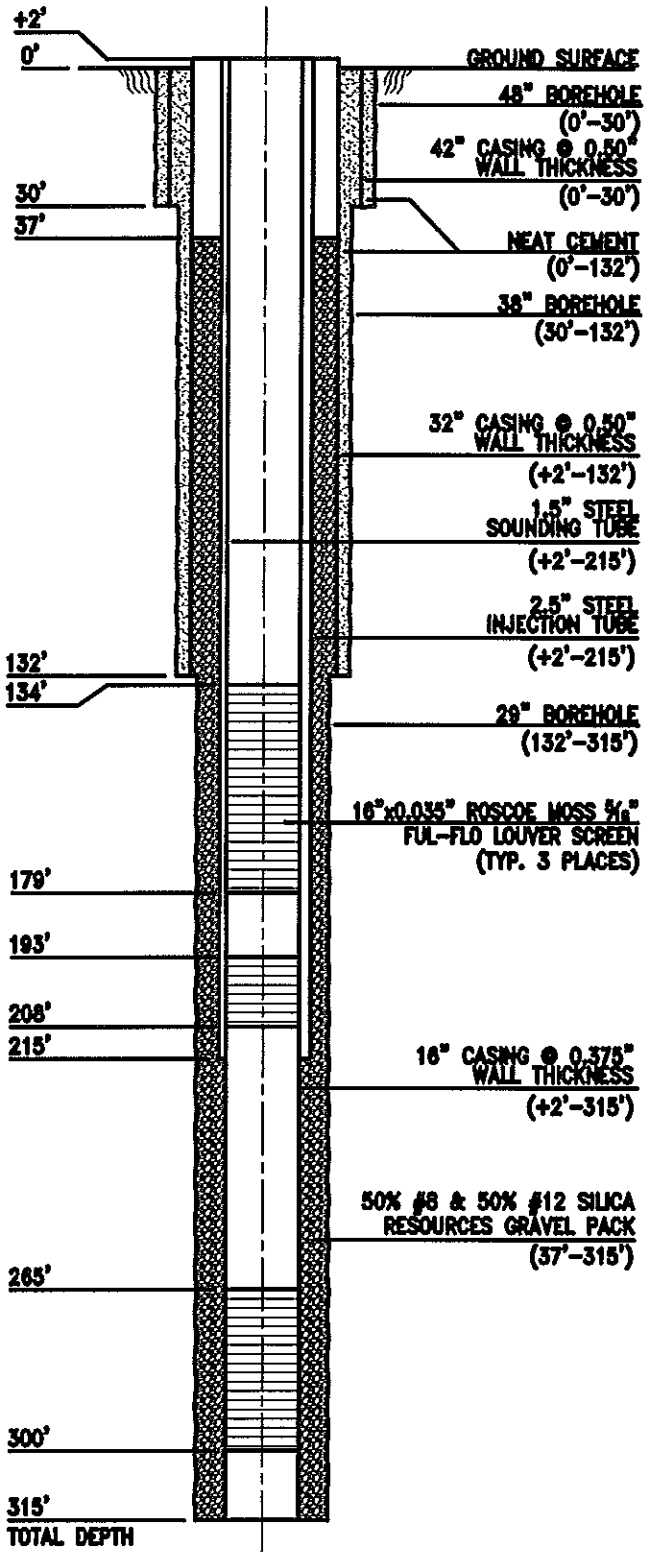
Address P.O. Box 5279 Contractor  
Elko, NV 89802-5279  
 Nevada contractor's license number issued by the State Contractor's Board 0021976  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2144  
 Signed Paul Stoddard  
 By driller performing actual drilling on-site or contractor  
 Date 3/20/01

Date started 3/9/2001, 19  
 Date completed 3/17/2001, 19

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Ballor Draw Down (Feet Below Static)	Pump Time (Hours)	Air Lift
<input type="checkbox"/> Ballor <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>515</u>	<u>20</u>	<u>1</u>	

DEPTH BELOW GROUND (FEET)



\\lawn\bol\msh\appdata\local\temp\AcPublish\_11872\Sierra Plaza Construction Materials.dwg  
Mar 13, 2015 - 12:27 pm

**TRUCKEE MEADOWS WATER AUTHORITY**  
 1856 CAPITAL BLVD. / PO BOX 80013  
 RENO, NEVADA 89620-3013  
 PH 775-834-8000 / FX 775-834-8003

SIERRA PLAZA PRODUCTION WELL  
 WELL CONSTRUCTION MATERIALS DIAGRAM  
 DRILLED MARCH 2001

DATE:	MAR 2018
DRAWN BY:	TK
WORK ORDER #:	-
SCALE:	NTS

STMGID 1

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

OFFICE USE ONLY

Log No. 25322  
Permit No. 5422708, 57213  
Basin MEADOWS L-87

WELL DRILLERS REPORT

Please complete this form in its entirety

TEST 2566  
NOTICE OF INTENT NO. 2569

PRINT OR TYPE ONLY

SOUTH TRUCKEE

1. OWNER MEADOWS GENERAL IMPROVEMENT DISTRICT ADDRESS AT WELL LOCATION

MAILING ADDRESS DEPT OF PUBLIC WORKS 3/4 mile west of Zolezzi Lane

1205 MILL STREET RENO, NV 89520

2. LOCATION NE 1/4 NE 1/4 Sec. 19 T 18 N/S R. 20 E WASHOE County

PERMIT NO. 46421 Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK  
New Well  Recondition   
Deepen  Other   
4. PROPOSED USE  
Domestic  Irrigation  Test   
Municipal  Industrial  Stock   
5. TYPE WELL  
Cable  Rotary   
Other  Reverse

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
cobbles & boulders		0	30	30
cobbles, silty sand		30	40	10
silty sand, gravels, cobbles		40	120	80
mostly silty sand & gravel, some cobbles		120	160	40
mostly silty sand & gravel		160	200	40
clay lenses w/silty sand & gravel	xx	200	260	60
mixed clay, sand & pebbly gravel	xx	260	320	60
cleaner gravel, cobbles	xx	320	340	20
silty sand & cobbles	xx	340	360	20
silty clay & gravels or cobbles	xx	360	400	40
mixed silt & gravels	xx	400	420	20
clays, silts, & sand	xx	420	440	20
silty sands & clay	xx	440	540	100
sands disappear		540	550	10
lenses of blue clays, light brn clays		550	570	20
mostly light brn clay, some blue clays		570	620	50
purplish clay				
"weathered andesite"	flow	620	645	25

8. WELL CONSTRUCTION

Diameter hole 20 inches Total depth 530 feet  
Casing record 12" x .250 wall  
Weight per foot 33.38 Thickness.....  
Diameter 12 inches From +2 feet To 530 feet  
.....inches .....feet .....feet  
.....inches .....feet .....feet  
.....inches .....feet .....feet  
.....inches .....feet .....feet  
.....inches .....feet .....feet  
Surface seal: Yes  No  Type sand-cement grout  
Depth of seal 54 feet  
Gravel packed: Yes  No   
Gravel packed from 54 feet to 530 feet  
Monteray Sand 8 x 16  
Perforations:  
Type perforation Johnson Screen 12" Hycap  
Size perforation 50 slot  
From 260 feet to 520 feet  
From .....feet to .....feet  
From .....feet to .....feet  
From .....feet to .....feet  
From .....feet to .....feet

9. WATER LEVEL

Static water level 90 feet below land surface  
Flow bottom G.P.M. P.S.I.  
Water temperature 68 ° F. Quality good

10. DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name CHARLES SARGENT IRRIGATION, INC.  
Contractor

Address P. O. BOX 2480 RENO, NV 89505  
Contractor

Nevada contractor's license number 21246

Nevada contractor's drillers number 1391 LARRY WHITESEL

Nevada driller's license number 1388 GENE MAPEL  
Actual Driller

Signed Gene Mapel  
Contractor

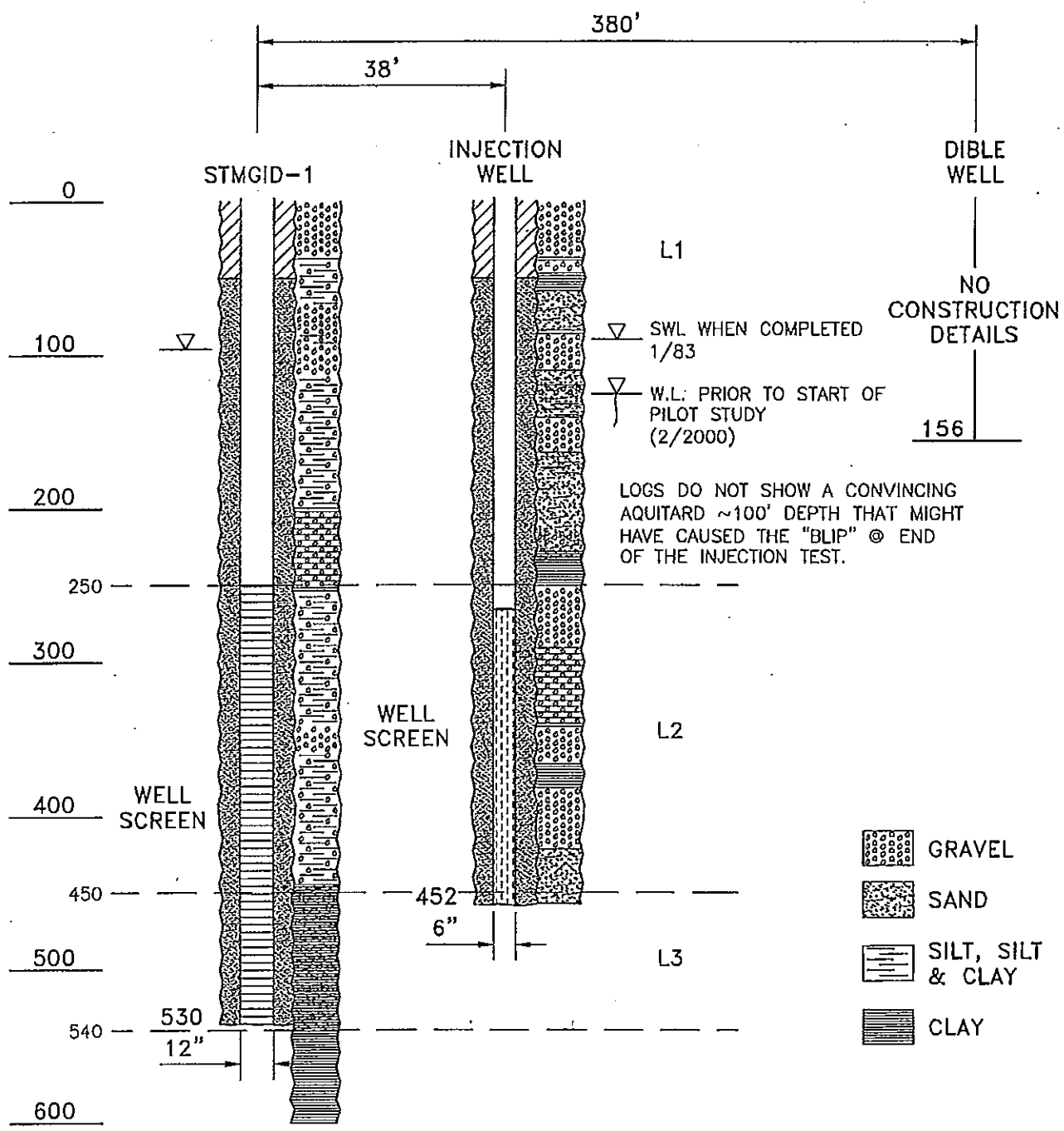
Date APRIL 30, 1984

7. WELL TEST DATA

Pump RPM	O.P.M.	Draw Down	After Hours Pump
1400	600	110	48

BAILER TEST

G.P.M. Draw down.....feet .....hours  
G.P.M. Draw down.....feet .....hours  
G.P.M. Draw down.....feet .....hours



WASHOE COUNTY REGIONAL WATER PLANNING  
 COMMISSION AND SOUTH TRUCKEE MEADOWS G.I.D.  
 PILOT AQUIFER STORAGE AND RECOVERY TEST  
 STMGID WELL NO. 1

FIGURE 5  
 CONSTRUCTION SUMMARY AND LITHOLOGY FOR  
 STMGID-1 AND THE INJECTION WELL

**ECOLOGIC**  
 Consulting Engineers

Date: 5/22/01  
 Designed By: DCB  
 Drawn By: LKB  
 Scale: None  
 Project No: 01300  
 File: 01300-FIG05

STMGID 2

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

OFFICE USE ONLY  
Log No. 25321  
Permit No. AG 778  
Basin TR. MEADOWS 6-87  
TEST 2562  
NOTICE OF INTENT NO. 2370

WELL DRILLERS REPORT

Please complete this form in its entirety

PRINT OR TYPE ONLY  
SOUTH TRUCKEE

1. OWNER MEADOWS GENERAL IMPROVEMENT DISTRICT ADDRESS AT WELL LOCATION  
DEPT OF PUBLIC WORKS 3/4 mile west on Zolezzi Lane  
MAILING ADDRESS 1205 MILL STREET RENO, NV 89520  
2. LOCATION SE 1/4 NE 1/4 Sec 19 T 18 N/S R. 20 E WASHOE County  
PERMIT NO. 46278 Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK  
New Well  Recondition   
Deepen  Other   
4. PROPOSED USE  
Domestic  Irrigation  Test   
Municipal  Industrial  Stock   
5. TYPE WELL  
Cable  Rotary   
Other  Reverse

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>silty sand, gravel, cobbles &amp; boulders</u>		<u>0</u>	<u>40</u>	<u>40</u>
<u>cobbles &amp; boulders</u>		<u>40</u>	<u>60</u>	<u>20</u>
<u>silty sand &amp; gravel</u>		<u>60</u>	<u>70</u>	<u>10</u>
<u>silty sand to boulders</u>		<u>70</u>	<u>80</u>	<u>10</u>
<u>mixed clay to boulders</u>		<u>80</u>	<u>100</u>	<u>20</u>
<u>silty sand &amp; gravel, some cobbles</u>		<u>100</u>	<u>125</u>	<u>25</u>
<u>gravel &amp; cobbles</u>		<u>125</u>	<u>135</u>	<u>10</u>
<u>silty sand w/fine pebbles xx</u>		<u>135</u>	<u>360</u>	<u>225</u>
<u>silty sand &amp; fine pebbles mixed w/clay</u>	<u>xx</u>	<u>360</u>	<u>390</u>	<u>30</u>
<u>silty to coarse sand</u>	<u>xx</u>	<u>390</u>	<u>400</u>	<u>10</u>
<u>silty to coarse sand mixed w/clay</u>	<u>xx</u>	<u>400</u>	<u>490</u>	<u>90</u>
<u>silty to coarse sand</u>	<u>xx</u>	<u>490</u>	<u>520</u>	<u>30</u>
<u>silty sand w/light blue clay</u>		<u>520</u>	<u>540</u>	<u>20</u>
<u>silty to med sand w/some clay; volcanic &amp; mica rich</u>	<u>xx</u>	<u>540</u>	<u>580</u>	<u>40</u>
<u>fine to med sand</u>	<u>xx</u>	<u>580</u>	<u>590</u>	<u>10</u>
<u>med grained sand clean</u>	<u>xx</u>	<u>590</u>	<u>640</u>	<u>50</u>
<u>fine to med sand</u>	<u>xx</u>	<u>640</u>	<u>660</u>	<u>20</u>
<u>silty to fine sand</u>	<u>xx</u>	<u>660</u>	<u>680</u>	<u>20</u>
<u>weathered andesite</u>		<u>680</u>	<u>710</u>	<u>30</u>
<u>andesite flow</u>		<u>710</u>	<u>715</u>	<u>5</u>

8. WELL CONSTRUCTION  
Diameter hole 22 inches Total depth 515 feet  
Casing record 14" x .312  
Weight per foot 45.61 Thickness  
Diameter 22 inches From +2 feet To 515 feet  
Surface seal: Yes  No  Type sand-cement grout  
Depth of seal 88 feet  
Gravel packed: Yes  No   
Gravel packed from 88 feet to 515 feet  
Monteray 8 x 16  
Perforations:  
Type perforation Johnson Screen 14" Hycap  
Size perforation 50 slot  
From 255 feet to 505 feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Date started APRIL 2, 1984  
Date completed APRIL 25, 1984

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
<u>1200</u>	<u>109</u>	<u>42</u>	<u>48 1 1/2</u>
<u>1300</u>	<u>152</u>	<u>65</u>	<u>23 1/2</u>
<u>1400</u>	<u>179</u>	<u>92 1/2</u>	<u>23 1/2</u>

BAILER TEST  
G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours  
G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours  
G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours

9. WATER LEVEL  
Static water level 132 feet below land surface  
Flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water temperature bottom 68 ° F. Quality good

10. DRILLERS CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name CHARLES SARGENT IRRIGATION, INC. Contractor  
Address P. O. BOX 2480 RENO, NV 89505 Contractor  
Nevada contractor's license number 21246  
Nevada contractor's drillers number 1391 LARRY WHITESEL  
Nevada driller's license number 1388 GENE MAPEL Actual Driller  
Signed Gene Mapel Contractor  
Date APRIL 30, 1984

Arrowcreek 2

WHITE--DIVISION OF WATER RESOURCES  
CANARY--CLIENT'S COPY  
PINK--WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES  
WELL DRILLER'S REPORT

OFFICE USE ONLY  
Log No. 49607  
Permit No. \_\_\_\_\_  
Basin 087

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

Please complete this form in its entirety in  
accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 31942

1. OWNER WASHOE COUNTY PUBLIC UTILITIES ADDRESS AT WELL LOCATION UPPER WELL  
MAILING ADDRESS P.O. BOX 11130  
RENO, NV. 89520-0027

2. LOCATION NE 1/4 SW 1/4 Sec 23 T. 18 R. 19 WASHOE County  
PERMIT NO. 57159  
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other

4. PROPOSED USE  
 Domestic  Irrigation  Test  
 Municipal/Industrial  Monitor  Stock

5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
BROKEN ROCK, SAND W/ TRACE CLAY		0	100	100
SANDGRAVEL CLAY LAYERS		100	165	65
SAND & CLAY		165	240	75
SAND GRAVEL CLAY LAYERS		240	340	100
BROKEN ROCK, CLAY, SAND, GRAVEL		340	610	270

8. WELL CONSTRUCTION  
Depth Drilled 614 Feet Depth Cased 610 Feet

HOLE DIAMETER (BIT SIZE)  
From To  
28.0 Inches 0 Feet 100 Feet  
17.5 Inches 100 Feet 610 Feet  
Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
22"	86.61	.375	+ 1	100
12.75	33.38	.250	+ 2	260
12.75	33.38	.250	400	420

Perforations: 33.38 .250 600 610  
Type perforation HL-CAP  
Size perforation 80-SLOT  
From 260 feet to 400 feet  
From 420 feet to 600 feet  
From 610 feet to 610 feet

Surface Seal:  Yes  No Seal Type:  
Depth of Seal 100' PER DRILLER  Neat Cement  
Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout

Gravel Packed:  Yes  No  
From 0 feet to 610' per Driller w/ Driller

9. WATER LEVEL  
Static water level 110 feet below land surface  
Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water temperature COOL °F Quality GOOD

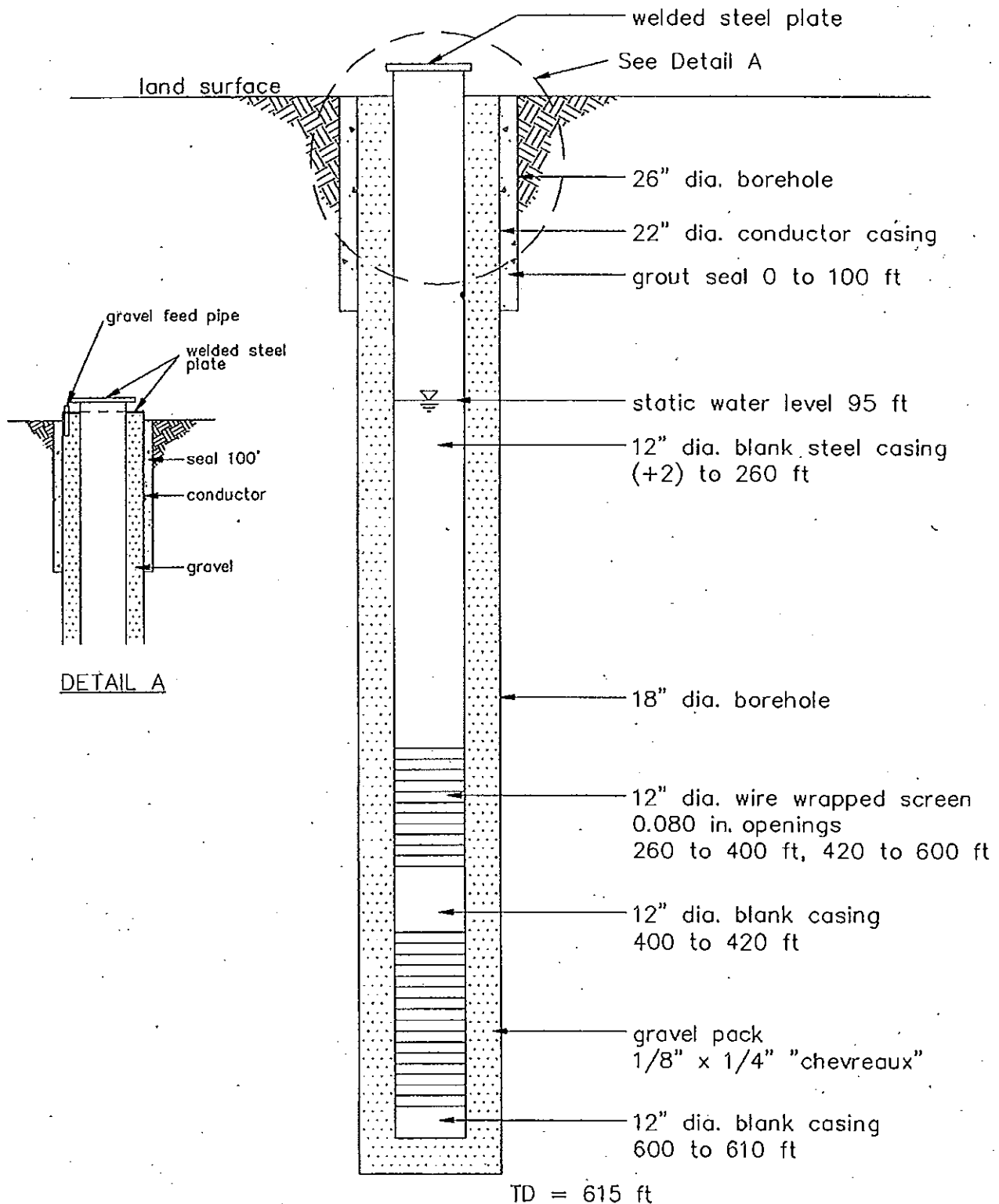
Date started 09-25 19 95  
Date completed 12-07 19 95

7. WELL TEST DATA

TEST METHOD:  Bailor  Pump  Air Lift

O.P.M.	Draw Down (Feet Below Static)	Time (Hours)
800	178	10

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name SARGENT IRRIGATION COMPANY Contractor  
Address 9955 N. VIRGINIA ST. Contractor  
RENO, NV 89506  
Nevada contractor's license number issued by the State Contractor's Board 21246  
Nevada driller's license number issued by the Division of Water Resources the on-site driller 1789  
Signed H. Bretchen Peterson Sargent  
by driller performing actual drilling on site or contractor  
Date December 8, 1995



Arrowcreek 2

**FIGURE 5:  
SOUTHWEST POINTE WELL #2  
CONSTRUCTION DIAGRAM**

COUNTY OF WASHOE  
DEPARTMENT OF PUBLIC WORKS



UTILITY DIVISION  
P.O. BOX 11130  
RENO, NEVADA 89520  
(702) 856-7300

c:\jenn\welin\info\SWPT-1.dwg revised 4-11-96

Mt. Rose 6

~~MONTREUX #4~~

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY  
Log No. 8770  
Permit No. 88  
Basin 88

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

NOTICE OF INTEREST NO. 42862  
CROSS STREET LAKE

1. OWNER MONTREUX ADDRESS AT WELL LOCATION CROSS STREET LAKE  
MAILING ADDRESS 16475 BORDEAUX DRIVE GENEVA AND BORDEAUX  
RENO, NV 89511  
2. LOCATION NW 1/4 SE 1/4 Sec 3 T. 17 N. R. 19 E WASHOE County  
PERMIT NO. 65364 148-150-01 MONTREUX  
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other.....  
4. PROPOSED USE  
 Domestic  Irrigation  Test  
 Municipal/Industrial  Monitor  Stock  
5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other.....

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
BROWN SAND, GREY & BLACK BOULDERS		0	20	20
BROWN SAND & GREY ROCK		20	40	20
BROWN SAND, GREY & WHITE ROCK		40	50	10
GREY ROCK		50	60	10
GREY & BROWN ROCK		60	90	30
GRANITIC SANDS & GRAVELS		90	100	10
BLACK & GREY ROCK		100	350	250
GREY VOLCANIC ROCK		350	660	310
MAROON VOLCANIC ROCK		660	710	50
MAROON & GREY ROCK		710	730	20
GREY ROCK, A LITTLE CLAY & GRAVEL		730	760	30

8. WELL CONSTRUCTION  
Depth Drilled 755 Feet Depth Cased 750 Feet  
HOLE DIAMETER (BIT SIZE)  
From 0 To 7 Feet  
38 Inches 0 Feet 7 Feet  
29 Inches 7 Feet 105 Feet  
19 Inches 105 Feet 755 Feet  
CASING SCHEDULE  
Size O.D. (Inches) Weight/Ft. (Pounds) Wall Thickness (Inches) From (Feet) To (Feet)  
32 168.21 0.500 0 7  
22 86.61 0.375 +1 100  
14 36.71 0.250 +2 750  
Perforations:  
Type perforation V-WIRE  
Size perforation 0.080"  
From 540 feet to 740 feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Surface Seal:  Yes  No Seal Type:  
Depth of Seal 100'  Neat Cement  
Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout  
Gravel Packed:  Yes  No  
From 755 feet to SURFACE feet  
9. WATER LEVEL  
Static water level 309 feet below land surface  
Artesian flow N/A G.P.M. \_\_\_\_\_ P.S.I. \_\_\_\_\_  
Water temperature COOL °F Quality GOOD

Date started JANUARY 22, 2000  
Date completed FEBRUARY 3, 2000

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>260</u>	<u>21'</u>	<u>1/2</u>

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name LANG EXPLORATORY DRILLING Contractor  
Address P.O. BOX 5279 Contractor  
ELKO, NV 89802  
Nevada contractor's license number issued by the State Contractor's Board: 0021976  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller: 2130  
Signed Scott Belliston  
By driller performing actual drilling on site or contractor  
Date FEBRUARY 4, 2000



LITHOLOGIC SUMMARY

COARSE SEDIMENTS  
CONSISTING PRIMARILY  
OF VOLCANIC OR GRANITIC  
SANDS, GRAVELS, AND  
COBBLES

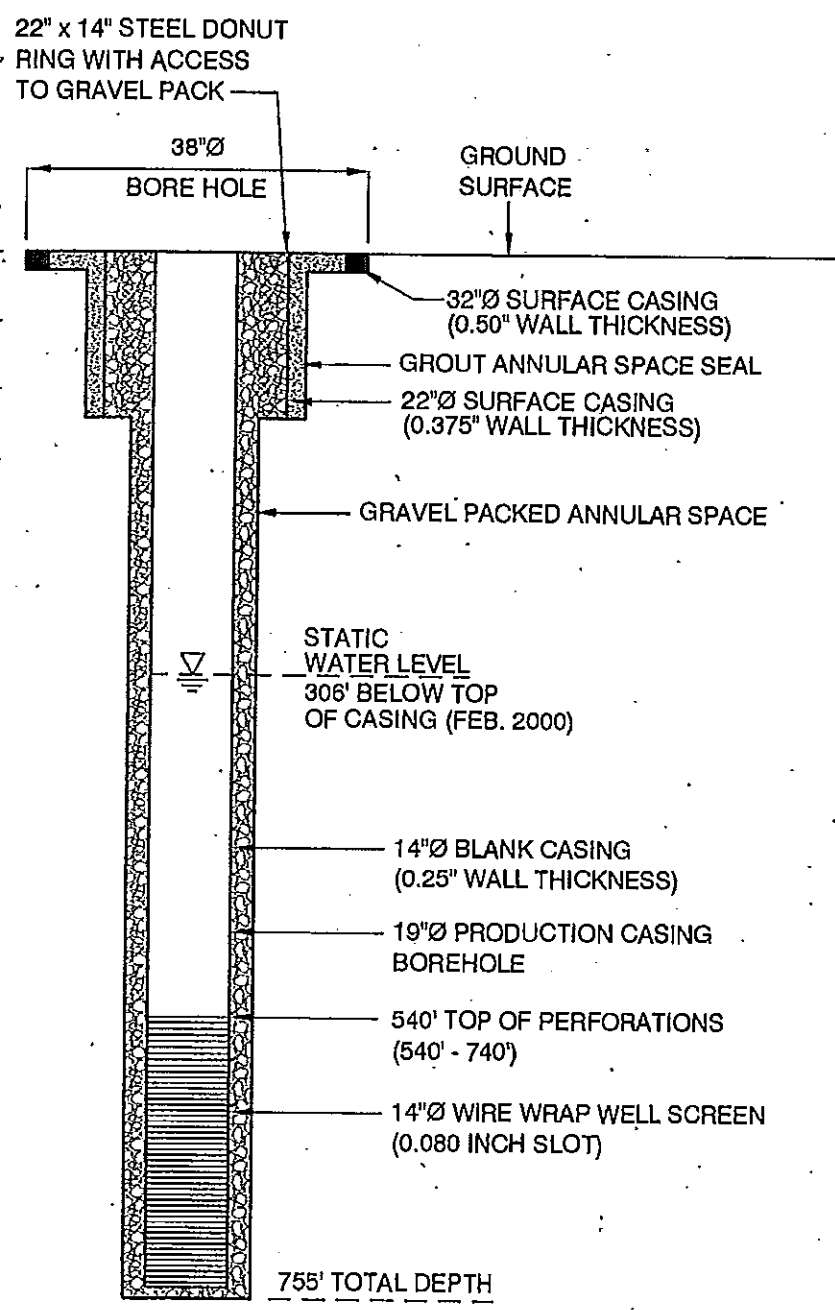
VOLCANIC  
MUDFLOW  
DEPOSITS  
(LAHARS)

VOLCANIC  
CINDERS

FRACTURED  
BASALTS

DEPTH BELOW GROUND (FEET)

0  
100  
200  
300  
400  
500  
600  
700  
800



TESSA 1 (east)

PWZ

EASTWELL  
PWZ TESSA PW-2  
(east)  
OFFICE USE ONLY

WHITE-DIVISION OF WATER RESOURCES  
CANARY-CLIENT'S COPY  
PINK-WELL DRILLER'S COPY

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

Log No. \_\_\_\_\_  
Permit No. \_\_\_\_\_  
Basin. \_\_\_\_\_

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in  
accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. \_\_\_\_\_

1. OWNER GALENA WATER ENTERPRISES  
MAILING ADDRESS C/O RANDY BOWLING CONSULTING  
PO BOX 12926/RENO, NV/89510  
ADDRESS AT WELL LOCATION 4.5 MILES UP MOUNT  
ROSE HIGHWAY FROM HIGHWAY 395 ON SOUTH SIDE  
OF ROAD

2. LOCATION NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 35 T. 18 N/S R. 19 E WASHOE County  
PERMIT NO. 61269 & 61270 150-102-01 NOT APPLICABLE  
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other \_\_\_\_\_  
4. PROPOSED USE  
 Domestic  Irrigation  Test  
 Municipal/Industrial  Monitor  Stock  
5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other \_\_\_\_\_

6. LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
SAND, GRAVEL, COBBLES AND BOULDERS		0	160	
SAND, GRAVEL, COBBLES BOULDERS WITH VOLCANICS, MINOR CLAY		160	310	
RED AND BLACK VOLCANIC ROCK, SANDY CLAY, GRANITE		310	404	
BLACK AND RED VOLCANICS, SAND, CLAY		404	673	
BLACK ROCK WITH SANDY BROWN CLAY, FRACTURED ROCK WITH VOLCANICS		673	735	

8. WELL CONSTRUCTION  
Depth Drilled 735 Feet Depth Cased 715 Feet  
HOLE DIAMETER (BIT SIZE)  
From 0 Feet To 157 Feet  
32 Inches 0 Feet 157 Feet  
22 Inches 157 Feet 735 Feet  
Inches Feet Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
14		.250	0	715
24			0	157

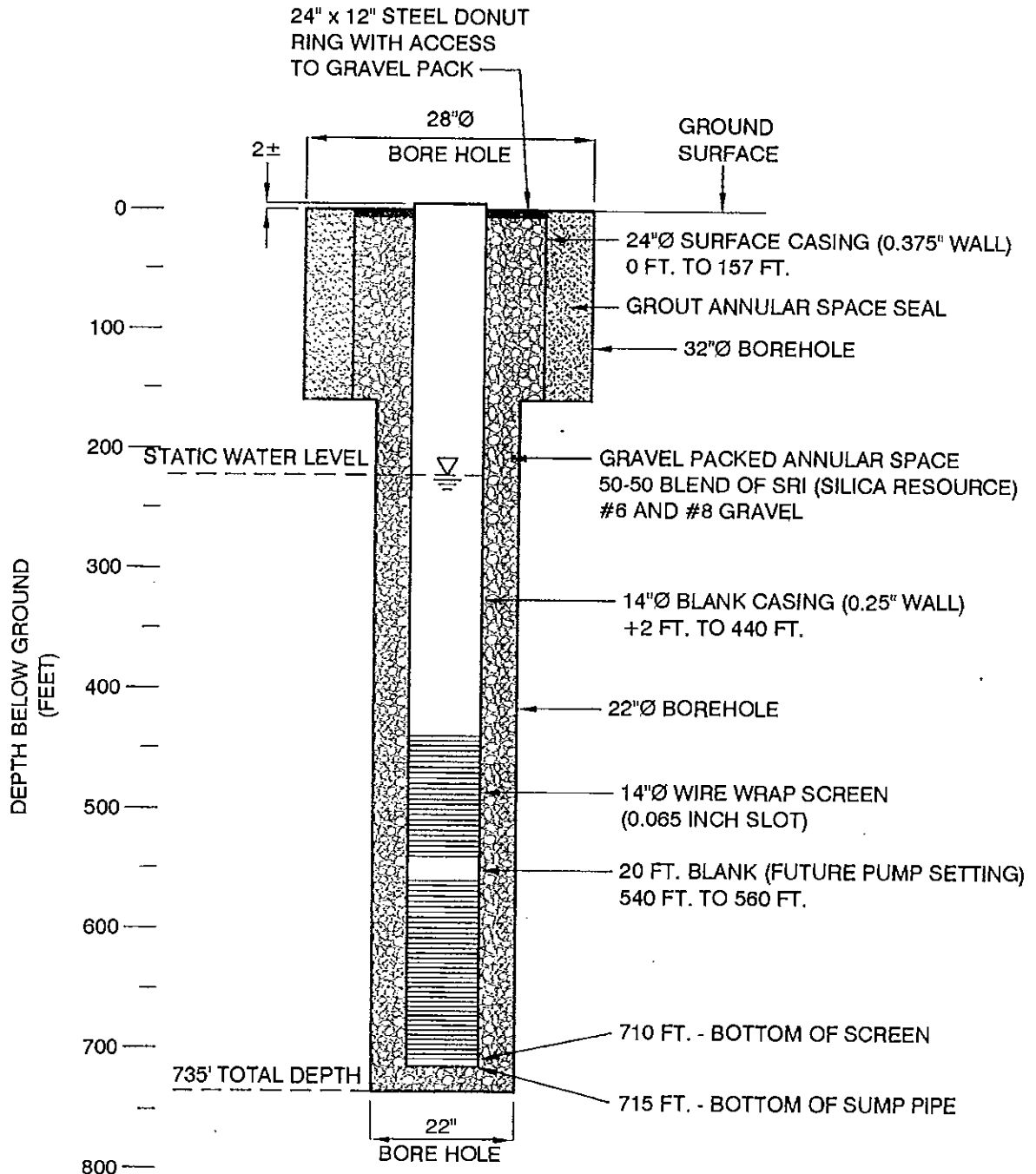
Perforations:  
Type perforation WIRE WRAP SCREEN  
Size perforation 0.065  
From 440 feet to 540 feet  
From 560 feet to 710 feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Surface Seal:  Yes  No Seal Type:  
Depth of Seal 157'  Neat Cement  
Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout  
Gravel Packed:  Yes  No  
From 0 feet to 735 feet

9. WATER LEVEL  
Static water level 180 feet below land surface  
Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water temperature \_\_\_\_\_ °F Quality \_\_\_\_\_

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name LAYNE CHRISTENSEN COMPANY Contractor  
Address 275 COUNTY ROAD 98 Contractor  
WOODLAND, CA 95695  
Nevada contractor's license number issued by the State Contractor's Board 0019101  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller: 2141  
Signed [Signature]  
By driller forming actual drilling on site or contractor  
Date APRIL 12, 2000

Date started JANUARY 20, 2000  
Date completed MARCH 25, 2000

7. WELL TEST DATA			
TEST METHOD: <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift			
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
<u>100</u>	<u>250</u>	<u>47</u>	



Department of  

 UTILITY SERVICES DIVISION  
 4930 ENERGY WAY  
 P.O. BOX 11130  
 RENO, NEVADA 89520  
 (702)954-4600



TESSA PW-2 (EAST)

CONSTRUCTION DETAILS

FIGURE 5