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

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 24727
Permit No. TEST
Basin WALKER L. - HAWTHORNE
WHISKEY FLAT SUBAREA (9-110-C)

1. OWNER Hawthorne Army Ammunition Depot ADDRESS Hawthorne Nevada

2. LOCATION ¼ N ½ ¼ Sec. 20 T. 8 N/S R. 30 E. mineral County
PERMIT NO. NEAR 1/16 CORNER COMMON TO NE 1/4 AND NW 1/4

3. TYPE OF WORK
Test ~~New~~ Well ☑ Recondition ☐
Deepen ☐ Other ☐

4. PROPOSED USE
Domestic ☐ Irrigation ☐ Test ☑
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☑
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
sand		0	14	14
sandy clay		14	34	20
course sand		34	46	12
sandy clay		46	49	3
gravel		49	53	4
sandy clay		53	54	1
hard clay w/sand		54	56	2
D.G.		56	58	2
Brown clay w/sand		58	59	1
D.G.		59	60	1
Brown clay w/sand		60	63	3
D.G. w/ Brown clay		63	66	3
Course gravel		66	78	12
D.G.		78	79	1
Cemented sand		79	83	4
sand - Cemented		83	84	1
sand w/clay layers		84	95	11
gravel		95	96	1
Cemented sands		96	98	2
gravel		98	99	1
sand		99	100	1
sand w/clay		100	103	
sand w/clay layers		103	134	31
gravel		134	142	8
sandy clay		143	160	17
sand & gravel		160	163	3
Cemented sand w/clay		163	197	34

Date started 6-14, 1983
Date completed 6-22, 1983

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

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

8. WELL CONSTRUCTION
Diameter hole 12 1/4 + 7 7/8 inches Total depth 828 feet
Casing record 6 5/8 o.d. 250 18.97
Weight per foot 8 3/8 o.d. 250-25.55 Thickness .250

Diameter	From	To
8 3/8 o.d. inches	0 feet	368 feet
inches	feet	feet
6 5/8 o.d. inches	327 feet	828 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☑ No ☐ Type
Depth of seal 368 ft. Pumped neat cement feet
Gravel packed: Yes ☐ No ☑
Gravel packed from ..... feet to ..... feet

Perforations:
Type perforation factory sawed
Size perforation 3/32 x 2 1/2"
From ..... feet to ..... feet
From 367 feet to 828 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level approx 150 Feet below land surface
Flow ..... G.P.M. approx. 350
Water temperature 127 ° F. Quality Clear

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

Name Paul Williams & Sons
Address 22 So. Patterson Sparks, Nev 89431
Nevada contractor's license number 14483
Nevada driller's license number 957
Signed Paul E. Williams
Date 7/6/83

USE ADDITIONAL SHEETS IF NECESSARY

O-627

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Permit No. TEST
Basin

1. OWNER Hawthorne Army Ammunition Depot ADDRESS Hawthorne Nevada

2. LOCATION ¼ ¼ Sec. 20 T. 8 N/S R. 30 E. Mineral County
PERMIT NO.

3. TYPE OF WORK
test ~~New~~ Well ☑ Recondition ☐
Deepen ☐ Other ☐

4. PROPOSED USE
Domestic ☐ Irrigation ☐ Test ☑
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☑
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Hard packed sand		197	200	3
sand & gravel		200	203	3
Gravel & rocks		203	208	5
Brown clay w/ sand layers		208	232	24
sandy clay w/ boulders		232	263	31
gravel		263	264	1
sand & clay layers		264	270	6
gravel & sand w/ thin clay layers		270	290	20
boulder		290	291	1
sandy clay		291	309	17
sand		309	310	1
sandy clay		310	316	6
gravel		316	317	1
sandy clay		317	324	7
gravel & rocks		324	328	4
Boulders		328	333	5
Clay & boulders		333	369	36
sandy clay		369	378	9
coarse sand w/ small rocks		378	394	16
		394	400	
coarse sand w/ clay streaks		400	419	19
gravel		419	422	3
sand w/ clay & cinders		422	424	2
coarse clean sand		424	428	4

Date started ....., 19.....
Date completed ....., 19.....

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

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

8. WELL CONSTRUCTION
Diameter hole ..... inches Total depth ..... feet
Casing record .....
Weight per foot ..... Thickness .....

Diameter	From	To
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

Surface seal: Yes ☐ No ☐ Type .....
Depth of seal ..... feet
Gravel packed: Yes ☐ No ☐
Gravel packed from ..... feet to ..... feet

Perforations:
Type perforation .....
Size perforation .....
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level ..... Feet below land surface .....
Flow ..... G.P.M. .....
Water temperature ..... ° F. Quality .....

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

Name .....

Address .....

Nevada contractor's license number .....

Nevada driller's license number .....

Signed .....

Date .....

USE ADDITIONAL SHEETS IF NECESSARY

O-627

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2. LOCATION ¼ ¼ Sec. 20 T. 8 N/S R. 30 E. Mineral County
PERMIT NO.

3. TYPE OF WORK
Test
New-Well ☐ Recondition ☐
Deepen ☐ Other ☐

4. PROPOSED USE
Domestic ☐ Irrigation ☐ Test ☑
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☑
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Sand & small rocks		428	453	25
+ thin streaks gravel				
sand + gravel		453	478	25
sandy clay		478	488	10
gravel	X	488	489	1
sandy clay		489	505	6
clay fine gravel		505	517	13
Sandy clay & small		517	553	36
rocks mostly gray				
+ white clay rock				
intermixed 3"-6"				
Rock & clay		553	563	10
Bentonite clay bentonite		563	627	64
sandy clay		627	644	17
Sand & clay streaks		644	653	9
large cobble		653	669	16
Sandy clay		669	676	7
Sandy & small rocks		676	699	23
coarse sand & small rocks		699	711	12
Large rock & clay bands		711	728	17
Sandy clay & small rock		728	734	6
bentonite		734	738	4
Sandy clay		738	740	2
Sandy clay & rocks		740	828	88

Date started ....., 19.....
Date completed ....., 19.....

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

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

8. WELL CONSTRUCTION
Diameter hole ..... inches Total depth ..... feet
Casing record .....
Weight per foot ..... Thickness .....

Diameter	From	To
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

Surface seal: Yes ☐ No ☐ Type .....
Depth of seal ..... feet
Gravel packed: Yes ☐ No ☐
Gravel packed from ..... feet to ..... feet

Perforations:
Type perforation .....
Size perforation .....
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level ..... Feet below land surface .....
Flow ..... G.P.M. .....
Water temperature ..... ° F. Quality .....

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

Name .....
Address .....
Nevada contractor's license number .....
Nevada driller's license number .....
Signed .....
Date .....

USE ADDITIONAL SHEETS IF NECESSARY

O-627