

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

OFFICE USE ONLY  
 Log No. 35229  
 Permit No. \_\_\_\_\_  
 Basin 101

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

Page 1 of 2  
 NOTICE OF INTENT NO. 47419

1. OWNER U. S. Geological Survey - WRD (DB-2) ADDRESS AT WELL LOCATION Sagosp Rd., Fallon, NV  
 MAILING ADDRESS 333 West Nye Lane  
Carson City, NV 89706

2. LOCATION SW 1/4 SW 1/4 Sec. 3 T 19N N/S R 29E E Churchill County  
 PERMIT NO. M/O-1217 007-311-01 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 Mud

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Sand and clay		0	146	146
Massive basalt breccia		146	280	134
Basalt breccia with clay filled fractures		280	440	160
Massive basalt		440	487	47
Sand and clay		487	580	93
Construction details:				
Cement around 20" casing		0	9	9
Cement around 12" casing		0	146	146
Pure Gold grout		0	141	141
Hole plug		141	276	135
Gravel pack		276	320	44
Hole plug		320	429	109
Gravel pack		429	476	47
Hole plug		476	518	42
Gravel pack		518	551	33
Hole plug		551	580	29

8. WELL CONSTRUCTION  
 Depth Drilled 580 Feet Depth Cased 545 Feet

HOLE DIAMETER (BIT SIZE)

	From	To		
26 Inches	0	10	Feet	Feet
17.500 Inches	10	146	Feet	Feet
9.875 Inches	146	552	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20	78.60	0.375	0	9
12	49.56	0.375	+2	146
#1: 2	0.958	Sch. 80	+2	318

Perforations:  
 Type perforation Machine slot  
 Size perforation 0.02"

From	To	feet to	feet
#1: 288	308	feet to	308 feet
#2: 438	458	feet to	458 feet
#3: 528	538	feet to	538 feet

Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 146'  Neat Cement  
 Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout

Gravel Packed:  Yes  No  
 From See detail feet to \_\_\_\_\_ feet

9. WATER LEVEL  
 Static water level 1:28.7 2:30.9 3:27.5 feet below land surface  
 Artesian flow N/A G.P.M. N/A 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 1716  
 Signed David Hays  
 By driller performing actual drilling on-site or contractor  
 Date 9/12/01

Date started 8/30/2001, 19  
 Date completed 9/6/2001, 19

7. WELL TEST DATA

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

BSTC

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WELL DRILLER'S REPORT

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Page 2 of 2  
NOTICE OF INTENT NO. **47479**

1. OWNER **U. S. Geological Survey - WRD\_DB-2** ADDRESS AT WELL LOCATION **Sagoupe Rd., Fallon, NV**  
MAILING ADDRESS **333 West Nye Lane**  
**Carson City, NV 89706**

2. LOCATION **SW 1/4 SW 1/4 Sec. 3 T 19N** N/S R **29E** E **Churchill** County  
PERMIT NO. **M/O-1217** **007-311-01** **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 **Mud**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Sand and clay		0	146	146
Massive basalt breccia		146	280	134
Basalt breccia with clay filled fractures		280	440	160
Massive basalt		440	487	47
Sand and clay		487	580	93
Construction details:				
Cement around 20" casing		0	9	9
Cement around 12" casing		9	146	137
Pure Gold grout		0	141	141
Hole plug		141	276	135
Gravel pack		276	320	44
Hole plug		320	429	109
Gravel pack		429	476	47
Hole plug		476	518	42
Gravel pack		518	551	33
Hole plug		551	580	29

8. WELL CONSTRUCTION  
Depth Drilled **580** Feet Depth Cased **545** Feet

HOLE DIAMETER (BIT SIZE)

Inches	From	To	Feet	Feet
<b>6.250</b>	<b>552</b>	<b>580</b>		

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<b>#2: 2</b>	<b>0.958</b>	<b>Sch. 80</b>	<b>+2</b>	<b>463</b>
<b>#3: 2</b>	<b>0.958</b>	<b>Sch. 80</b>	<b>+2</b>	<b>545</b>

Perforations:  
Type perforation **Machine slot**  
Size perforation **0.02"**  
From **#1: 288** feet to **308** feet  
From **#2: 438** feet to **458** feet  
From **#3: 528** feet to **538** feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
Depth of Seal **146'**  Neat Cement  
Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout  
Gravel Packed:  Yes  No  
From **See detail** feet to \_\_\_\_\_ feet

9. WATER LEVEL  
Static water level **1:28.7 2:30.9 3:27.5** feet below land surface  
Artesian flow **N/A** G.P.M. **N/A** 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 **1716**  
Signed \_\_\_\_\_  
By driller performing actual drilling on-site or contractor  
Date **9/12/01**

Date started **8/30/2001**, 19  
Date completed **9/6/2001**, 19

7. WELL TEST DATA

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