

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

OFFICE USE ONLY
Log No. 116811
Permit No. _____
Basin No. 042

PRINT OR TYPE IN BLACK INK 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. 66258
WELL NAME (if applicable): MW-001

1. OWNER/CLIENT NAME Halliburton Energy Services
MAILING ADDRESS 912 Ranch Rd, Battle Mountain, NV 89

DETAILED ADDRESS AT WELL LOCATION Rossi Mine

2. PLS LOCATION NE 1/4 SW 1/4 22 Sec 37N 1/2S 49E E
PERMIT/WAIVER NO. MW-001-062 1/10-1881
Issued by Water Resources Consent Parcel No

Subdivision Name: track on land County: Elko
Latitude 41° 33' 37" N UTM E NAD 27
Longitude 116° 25' 38" W UTM N NAD 83/WGS 84

3. WORKED PERFORMED
 New Well Deepen: Orig WL# _____
 Replacement: Original well log # _____
 Recondition: Original well log # _____

4. PROPOSED USE
 Domestic Monitor
 Mining / Dewater Stock
 Test / Other Rec
 Com / Ind Mun / QM

5. WELL TYPE
 Auger Rotary RVC
 Air Mud Sonic
 Other

Material Encountered	Lost Circ.	Water Strata	From	To	Thick-ness
light brown clay			0	35	35
brown chert			35	80	45
light brown chert			80	180	100
brown chert			180	260	80
brown and gray chert			260	460	200
br/gr w/blk chert			460	760	300
black chert			760	1400	640
fracture zones w/water		780			
		820			
		1120			
		1140			
		1160			
		1180			
		1260			
		1300			
		1360			
		1380			

9. WELL CONSTRUCTION

Depth Drilled: 1400 Feet Depth Cased: 1400 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>14</u> Inches	<u>0</u> Feet <u>65</u> Feet
<u>10 5/8</u> Inches	<u>65</u> Feet <u>1400</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>12</u>		<u>.317</u>	<u>0</u>	<u>65</u>
<u>6 5/8</u>		<u>1/4</u>	<u>+2' 8"</u>	<u>780</u>
<u>6 5/8</u>		<u>1/4</u>	<u>820</u>	<u>1120</u>

PERFORATIONS:

Type of perforation: millslot

Size of perforation: 0.125

From	To
<u>780</u> Feet	<u>820</u> Feet
<u>1120</u> Feet	<u>1140</u> Feet
<u>1160</u> Feet	<u>1180</u> Feet

ANNULAR MATERIALS

<input checked="" type="checkbox"/> Sanitary Seal	<u>0</u> to <u>200</u>	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input checked="" type="checkbox"/> Neat Cement	<u>0</u> to <u>200</u>	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout	<u>760</u> to <u>777</u>	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Chips	<u>760</u> to <u>200</u>	<input type="checkbox"/> Pumped	<input checked="" type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> 15 % <input type="checkbox"/> 20 % <input type="checkbox"/> Other, explain: _____			
<input type="checkbox"/> Gravel Pack [> 0.2 in.]	<u>1400</u> to <u>777</u>	<input type="checkbox"/> Pumped	<input checked="" type="checkbox"/> Poured
<input type="checkbox"/> Sand Pack [< 0.2 in.]	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Other, explain:	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured

trimming pipe was use for placement of materials

Date started: 4-Apr , 20 13
Date completed: 18-May , 20 13

7. WATER QUALITIES
Static water level: 832' Feet below land surface
Artesian Flow: n/a G.P.M. P.S.I.
Water Temperature: _____ ° Fahrenheit
Water Quality: clear

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Hugo DeLaMora Contractor
Address 3980 Larry Drive, Winnemucca, NV 89445 Contractor

8. WELL TEST DATA

Test Method: Bailor Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
<u>39</u>	<u>300</u>	<u>25</u>

* changed By DWR Staff Per call 6/12/13

Nevada contractor's license number as issued by the State Contractor's Board: 0077107
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on file driller): 2418
Signed: Hugo DeLaMora
Date: 6-12-13
By driller performing actual drilling on site or contractor

(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY

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

OFFICE USE ONLY
Log No. 116911
Permit No. _____
Basin No. 042

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Please complete this form in its entirety in
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NOTICE OF INTENT NO. 66258
WELL NAME (if applicable): MW-001

1. OWNER/CLIENT NAME Halliburton Energy Services
MAILING ADDRESS 912 Ranch Rd, Battle Mountain, NV 89

DETAILED ADDRESS AT WELL LOCATION Rossi Mine
Subdivision Name: 27 track on land County: Elko

2. PLS LOCATION NE 1/4 SW 1/4 22 Sec 37N N/S 49E E
PERMIT/WAIVER NO. MW-001: 062
Issued by Water Resources Current Parcel No.

Latitude 41° 3' 37" N UTM E NAD 27
Longitude 116° 25' 38" W UTM N x NAD 83/WGS 84

3. WORKED PERFORMED
 New Well Deepen: Orig WL# _____
 Replacement: Original well log # _____
 Recondition: Original well log # _____

4. PROPOSED USE
 Domestic Irrigation Monitor
 Mining / Dewater Corn / Ind Stock
 Test / Other Mun / QM Rec

5. WELL TYPE
 Auger Rotary RVC
 Air Mud Sonic
 Other

6. LITHOLOGIC LOG					
Material Encountered	Lost Circ.	Water Strata	From	To	Thick-ness
light brown clay			0	35	35
brown chert			35	80	45
light brown chert			80	180	100
brown chert			180	260	80
brown and gray chert			260	460	200
br/gr w/blk chert			460	760	300
black chert			760	1400	640
fracture zones w/water		780			
		820			
		1120			
		1140			
		1160			
		1180			
		1260			
		1300			
		1360			
		1380			

9. WELL CONSTRUCTION					
Depth Drilled: 1400 Feet		Depth Cased: 1400 Feet		HOLE DIAMETER (BIT SIZE)	
		From	To		
14	Inches	0	Feet	65	Feet
10 5/8	Inches	65	Feet	1400	Feet
	Inches		Feet		Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8		1/4	1140	1180
6 5/8		1/4	1180	1260
6 5/8		1/4	1300	1360

PERFORATIONS:
Type of perforation: millslot
Size of perforation: 0.125
From 1260 Feet To 1300 Feet
From 1360 Feet To 1380 Feet
From _____ Feet To _____ Feet

ANNULAR MATERIALS
 Sanitary Seal 0 to 200
 Neat Cement 0 to 200 Pumped Poured
 Cement Grout 760 to 777 Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 Bentonite Chips 760 to 200 Pumped Poured
 Bentonite Grout _____ to _____ Pumped Poured
 15 % 20 % Other, explain: _____
 Gravel Pack [> 0.2 in.] 1400 to 777 Pumped Poured
 Sand Pack [< 0.2 in.] _____ to _____ Pumped Poured
 Other, explain: _____ to _____ Pumped Poured
trimming pipe was use for placment of materials

Date started: 4-Apr , 20 13
Date completed: 18-May , 20 13

7. WATER QUALITIES
Static water level: 832' Feet below land surface
Artesian Flow: n/a G.P.M. _____ P.S.I.
Water Temperature: _____ ° Fahrenheit
Water Quality: clear

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Hugo DeLaMora Contractor
Address 3980 Larry Drive, Winnemucca, NV 89445 Contractor

8. WELL TEST DATA			
Test Method:	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>39</u>	<u>300</u>	<u>25</u>

Nevada contractor's license number as issued by the State Contractor's Board: 0077107
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2418
Signed: Hugo DeLaMora
Date: 6-12-12
By driller performing actual drilling on site or contractor

(Rev. 08-12)

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

OFFICE USE ONLY
Log No. 110641
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PERMIT/WAIVER NO. MW-001: 062
Issued by Water Resources Current Parcel No.

Subdivision Name: track on land County: Elko
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 New Well Deepen: Orig WL# _____
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4. PROPOSED USE
 Domestic Monitor
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 Test / Other Rec
 Corn / Ind Mun / QM

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		820			
		1120			
		1140			
		1160			
		1180			
		1260			
		1300			
		1360			
		1380			

9. WELL CONSTRUCTION					
Depth Drilled:	1400	Feet	Depth Cased:	1400	Feet
HOLE DIAMETER (BIT SIZE)					
	From		To		
	14	Inches	0	Feet	65
	10 5/8	Inches	65	Feet	1400
		Inches		Feet	

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8		1/4	1380	1400

PERFORATIONS:
Type of perforation: millslot
Size of perforation: 0.125
From _____ Feet To _____ Feet
From _____ Feet To _____ Feet
From _____ Feet To _____ Feet

ANNULAR MATERIALS

<input checked="" type="checkbox"/> Sanitary Seal	0	to	200	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input checked="" type="checkbox"/> Neat Cement	0	to	200	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout	760	to	777	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout		to		<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Chips	760	to	200	<input type="checkbox"/> Pumped	<input checked="" type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Grout		to		<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
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<input type="checkbox"/> Sand Pack [< 0.2 in.]		to		<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Other, explain: _____					

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