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

OFFICE USE ONLY
Log No. 1183330
Permit No. V05780
Basin 061

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. 69912

1. OWNER MUELLER LAND & CATTLE CO. LLC
MAILING ADDRESS 438 SOCORRO CT
RENO, NV 89511

ADDRESS AT WELL LOCATION "BULL FIELD WELL" AT LICKING RANCH
Subdivision Name: RURAL County: LANDER

2. LOCATION NE ¼ NW ¼ Sec 15 T 32N N/S R 45 E
PERMIT/WAIVER No. V05780 (Issued by Water Resources) 010-290-02 Parcel No.

Latitude
Longitude
UTM E 11T 0508859 [X] NAD 27
N 4500072 [ ] NAD 83/WGS 84

3. WORKED PERFORMED
[ ] New Well [X] Replace [ ] Recondition
[ ] Deepen [ ] Other

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

5. WELL TYPE
[ ] Cable [X] Rotary [ ] RVC
[ ] Air [X] Other MUD

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
TOP SOIL		0	2	2
THICK CLAY		2	8	6
GRAVEL & SAND	X	8	20	12
SAND		20	30	10
GRAVEL w/ SAND		30	120	90
GREY CLAY		120	180	60
FINE GRAVEL	X	180	190	10
GREY CLAY		190	200	10
GREY CLAY w/ FINE GRAVEL		200	220	20
THICK BLACK CLAY		220	270	50
FINE GRAVEL w/ BLACK SAND	XXX	270	300	30
1ST WATER	X	15		
2ND WATER	X	190		
3RD WATER	XXX	270		
2" PORT WELDED TO SIDE OF CASING				

Date started: 7-Jan, 20 13
Date completed: 29-Jan, 20 13

7. Water Level
Static water level: 27 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: 60 °F
Quality: GOOD

8. WELL TEST DATA
TEST METHOD: [ ] Bailer [ ] Pump [X] Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
AT 280'	120		4 HOURS
AT 200'	70		1/4 HOUR
AT 60'	20		

9. WELL CONSTRUCTION
Depth Drilled 300 Feet Depth Cased 300 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
10 5/8	Inches	0	Feet	300	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6.625	13	.188	+3	300

Perforations:
Type of perforation PLASMA CUT
Size of perforation 3/16" X 4", 7 ROWS
From 280 feet to 300 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [X] Yes [ ] No
[X] Neat Cement 0 to 105 [X] Pumped [ ] Poured
[ ] Cement Grout to [ ] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[ ] ≥30% Bentonite Grout to [ ] Pumped [ ] Poured

Gravel Pack: [X] Yes [ ] No 105 to 300 [ ] Pumped [X] Poured
Type: 3/8" WASHED PEA GRAVEL
Bentonite Chips: [ ] Yes [X] No to [ ] Pumped [ ] Poured
Type:

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name HACKWORTH DRILLING, INC. (Contractor)
Address P. O. BOX 850 (Contractor)
ELKO, NV 89803
Nevada contractor's license number issued by the *State Contractor's Board* 020582
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 1653
Signed (By driller performing actual drilling on site or contractor)
Date 2/4/2013

(Rev. 05-08)

USE ADDITIONAL SHEETS IF NECESSARY

40.653361°N
116.895213°W NAD27