

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

OFFICE USE ONLY
Log No. 105418
Permit No. _____
Basin 107

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

N39.766650
W 119.347883 NAD27
NOTICE OF INTENT NO. 60063

1. OWNER George Helmuth ADDRESS AT WELL LOCATION _____
MAILING ADDRESS 17249 W. Gettysburg
Kerman, CA 93630 Subdivision Name: _____ County: Lyon

2. LOCATION SW ¼ SW ¼ Sec 31 T 11N N/S R 24 E Latitude 38 45.999N UTM E NAD 27
PERMIT/WAIVER No. 19602 Longitude 119 20.573W N NAD 83/WGS 84

Issued by Water Resources Parcel No. _____

3. WORKED PERFORMED
 New Well Replace Recondition
 Deepen 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 |
|---------------------------|--------------|------|------|------------|
| TOP SOIL | | 0' | 2' | 2' |
| SAND W/ LITTLE CLAY | | 2' | 14' | 12' |
| SAND | | 14' | 24' | 10' |
| CLAY | | 24' | 25' | 1' |
| SAND | | 25' | 107' | 82' |
| SILTY CLAY | | 107' | 112' | 5' |
| SILTY CLAY, SAND & GRAVEL | | 112' | 140' | 28' |
| SAND & GRAVEL | | 140' | 145' | 5' |
| SAND & BIG GRAVEL | | 145' | 170' | 25' |
| SAND & CLAY | | 170' | 235' | 65' |
| SAND & GRAVEL | | 235' | 260' | 25' |
| SAND & GRAVEL W/ CLAY | | 260' | 291' | 31' |
| SAND & GRAVEL | | 291' | 304' | 13' |
| CLAY W/ SAND & GRAVEL | | 304' | 345' | 41' |
| COARSE SAND | | 345' | 354' | 9' |
| CLAY W/ COARSE SAND | | 354' | 385' | 31' |
| SAND & GRAVEL | | 385' | 393' | 8' |
| CLAY W/ SOME SAND | | 393' | 411' | 18' |
| SAND & GRAVEL | | 411' | 419' | 8' |
| CLAY W/ SOME SAND | | 419' | 430' | 11' |
| SAND & GRAVEL | | 430' | 446' | 16' |
| CLAY W/ SOME SAND | | 446' | 488' | 42' |
| SAND & GRAVEL W/ CLAY | | 488' | 536' | 48' |
| SAND & GRAVEL | | 536' | 595' | 59' |
| SAND & CLAY | | 605' | 605' | 10' |

9. WELL CONSTRUCTION

Depth Drilled 605' Feet Depth Cased 600' Feet

HOLE DIAMETER (BIT SIZE)

| Inches | From | To | Feet | Feet |
|------------|------------|-------------|-------------|-------------|
| <u>36"</u> | <u>0'</u> | <u>50'</u> | <u>50'</u> | <u>50'</u> |
| <u>24"</u> | <u>50'</u> | <u>605'</u> | <u>605'</u> | <u>605'</u> |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|--------------|----------------|
| <u>30"</u> | | <u>.250"</u> | <u>0'-5'</u> | <u>45'-50'</u> |
| <u>30"</u> | | <u>CORRUGATED</u> | <u>5'</u> | <u>45'</u> |
| <u>16"</u> | | <u>.250"</u> | <u>+2'</u> | <u>600'</u> |

Perforations:

Type of perforation MILL SLOT
Size of perforation 0.090"

| From | feet to | feet to | feet |
|-------------|-------------|-------------------|-------------|
| <u>120'</u> | <u>240'</u> | <u>DOUBLE ROW</u> | <u>feet</u> |
| <u>240'</u> | <u>280'</u> | <u>QUAD ROW</u> | <u>feet</u> |
| <u>280'</u> | <u>480'</u> | <u>DOUBLE ROW</u> | <u>feet</u> |
| <u>480'</u> | <u>600'</u> | <u>QUAD ROW</u> | <u>feet</u> |

Annular Seal: Yes No

| Material | From | To | Seal Type | Disposition |
|--|-----------|------------|--|---------------------------------|
| <input type="checkbox"/> Neat Cement | <u>0'</u> | <u>50'</u> | <input checked="" type="checkbox"/> Pumped | <input type="checkbox"/> Poured |
| <input checked="" type="checkbox"/> Cement Grout | | | <input type="checkbox"/> Pumped | <input type="checkbox"/> Poured |
| <input type="checkbox"/> Concrete Grout | | | <input type="checkbox"/> Pumped | <input type="checkbox"/> Poured |
| <input type="checkbox"/> ≥30% Bentonite Grout | | | <input type="checkbox"/> Pumped | <input type="checkbox"/> Poured |

Gravel Pack: Yes No 0' to 605' Pumped Poured
Type: 1/4"X1/8" GOPHER ROCK

Bentonite Chips: Yes No _____ to _____ Pumped Poured
Type: _____

Date started: 31-Jul, 20 07
Date completed: 8/1/2007, 20 07

7. Water Level

Static water level: 113.5 feet below land surface
Artesian Flow: NA G.P.M. _____ P.S.I. _____
Water Temperature: Cool °F _____
Quality: Good

8. WELL TEST DATA

TEST METHOD: Bailor Pump Air Lift

| G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|------------------|-------------------------------|--------------|
| <u>PWL=190.3</u> | <u>1687</u> | <u>76.80</u> |
| | | <u>8</u> |

STATE ENGINEERS OFFICE
SEP 14 AM 11:09
RECEIVED

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 COMPANY
Contractor
Address 4975 W. Winnemucca Blvd.
Contractor
Winnemucca, Nevada 89445

Nevada contractor's license number _____
issued by the State Contractor's Board 56797

Nevada driller's license number issued by the Division of Water Resources, the on-site driller _____ # 2177

Signed Judi Seese
By driller performing actual drilling on site or contractor

Date 9/11/2007

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY