

STATE OF OREGON  
WATER RESOURCES DEPARTMENT  
(as amended by ORS 77.700 & OAR 690-205-0210)

**DRAFT**

**MALH 54304**

WELL I.D. LABEL# U 120582

START CARD # 213130

MALH 54304 ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D.  
First Name Chris Last Name Ray  
Company Ray Brothers Equipment  
Address 6144 Malthen Ranch Rd.  
City Fronside State OR Zip 97908

(2) TYPE OF WORK  New Well  Deepening  Conversion  
 Alteration (complete 2a & 10)  Abandonment (complete 5a)

(2a) PRE-ALTERATION  
Dia + From To Gauge Stl Plstc Wld Thrd  
Casing: 12"  0 200 250      
Material From To Amt sacks/lbs  
Seal: \_\_\_\_\_

(3) DRILL METHOD  
 Rotary Air  Rotary Mud  Cable  Auger  Cable Mud  
 Reverse Rotary  Other Flooded Reverse

(4) PROPOSED USE  Domestic  Irrigation  Community  
 Industrial/ Commercial  Livestock  Dewatering  
 Thermal  Injection  Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION Special Standard  (Attach copy)  
Depth of Completed Well 417 ft.

BORE HOLE SEAL

| Dia        | From     | To        | Material               | From     | To        | Amt       | sacks/lbs         |
|------------|----------|-----------|------------------------|----------|-----------|-----------|-------------------|
| <u>18"</u> | <u>0</u> | <u>28</u> | <u>Bentonite chips</u> | <u>0</u> | <u>28</u> | <u>47</u> | <u>Calculated</u> |
|            |          |           | <u>Bentonite chips</u> | <u>0</u> | <u>28</u> | <u>26</u> | <u>Calculated</u> |

How was seal placed: Method  A  B  C  D  E  
 Other Powered from top and tagged  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Filter pack from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_ Size \_\_\_\_\_  
Explosives used:  Yes Type \_\_\_\_\_ Amount \_\_\_\_\_

(5a) ABANDONMENT USING UNHYDRATED BENTONITE  
Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER  
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd  
   14  2 38 1/4"      
   12  0 200 1/4"      
   10  197 417 1/4"      
Shoe  Inside  Outside  Other Location of shoe(s) \_\_\_\_\_  
Temp casing  Yes Dia 18" From +2' To 18'

(7) PERFORATIONS/SCREENS  
Perforations Method Slotted 1/8"  
Screens Type .020 Material Stainless  
Perf/S Casing/Screen Dia From To Scm/slot Slot # of Tel/ green Liner Dia From To width length slots pipe size  
Perf 10" 187 217 1/8" 6" 80  
Screen 10" 217 257 .020  
Perf 10" 257 417 1/8" 6" 80

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian  
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)  
300+ \_\_\_\_\_ \_\_\_\_\_ 4 hr.  
Temperature 55 °F Lab analysis  Yes By \_\_\_\_\_  
Water quality concerns?  Yes (describe below) TDS amount  
From To Description Amount Units

(9) LOCATION OF WELL (legal description)  
County Malheur Twp 14 S N/S Range 39 E E/W WM  
Sec 21 SW 1/4 of the SE 1/4 Tax Lot \_\_\_\_\_  
Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
Lat \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
Long \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Street address of well  Nearest address

6144 Malthen Ranch Rd.

(10) STATIC WATER LEVEL  
Date SWL (psi) + SWL (ft)  
Existing Well / Pre-Alteration 1-12-16 \_\_\_\_\_ 58  
Completed Well 1-29-16 \_\_\_\_\_ 58  
Flowing Artesian?  Dry Hole?

WATER BEARING ZONES Depth water was first found

| SWL Date | From       | To         | Est Flow    | SWL (psi) | + SWL (ft) |
|----------|------------|------------|-------------|-----------|------------|
|          | <u>215</u> | <u>232</u> | <u>70</u>   |           | <u>58</u>  |
|          | <u>248</u> | <u>256</u> | <u>100</u>  |           | <u>58</u>  |
|          | <u>339</u> | <u>347</u> | <u>100+</u> |           | <u>58</u>  |

(11) WELL LOG Ground Elevation 3783

| Material                   | From       | To         |
|----------------------------|------------|------------|
| <u>Sand + Gravel</u>       | <u>200</u> | <u>233</u> |
| <u>Brown clay seam</u>     | <u>233</u> | <u>236</u> |
| <u>Sand + Gravel</u>       | <u>236</u> | <u>281</u> |
| <u>Brown clay</u>          | <u>281</u> | <u>295</u> |
| <u>Brown clay + Gravel</u> | <u>295</u> | <u>302</u> |
| <u>Sand + Gravel</u>       | <u>302</u> | <u>317</u> |
| <u>Brown clay + Gravel</u> | <u>317</u> | <u>339</u> |
| <u>Sand + Gravel</u>       | <u>339</u> | <u>347</u> |
| <u>Brown clay + Gravel</u> | <u>347</u> | <u>358</u> |
| <u>Sand + Gravel</u>       | <u>358</u> | <u>361</u> |
| <u>Brown clay + Gravel</u> | <u>361</u> | <u>380</u> |
| <u>Brown clay</u>          | <u>380</u> | <u>384</u> |
| <u>Brown clay + Gravel</u> | <u>384</u> | <u>417</u> |

RECEIVED BY OWRD

Date Started FEB 25 2016 Completed 1-29-16

(unbonded) Water Well Constructor Certification  
I certify that the work performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.  
License Number \_\_\_\_\_ Date \_\_\_\_\_  
Signed \_\_\_\_\_

(bonded) Water Well Constructor Certification  
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
License Number 1973 Date 2-22-16  
Signed Shawn Miklan  
Contact Info (optional) (208) 880-0420