**Casing Record**

<table>
<thead>
<tr>
<th>NB</th>
<th>NEW BIT</th>
<th>RC</th>
<th>FILTER CAKE</th>
</tr>
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<tr>
<td>RRB</td>
<td>RERUN BIT</td>
<td>F</td>
<td>MUD FILTRATE</td>
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<tr>
<td>CB</td>
<td>CORE BIT</td>
<td>M</td>
<td>X cc 30 Min</td>
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<tr>
<td>WLWB</td>
<td>WIRE LINE CB</td>
<td>S</td>
<td>SALINITY</td>
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<tr>
<td>NR</td>
<td>NO RETURNS</td>
<td>x ppm CL</td>
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<tr>
<td>CR</td>
<td>CIRCULATE RETURNS</td>
<td>R</td>
<td>MUD RESISTIVITY</td>
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<tr>
<td>CG</td>
<td>CONNECTION GAS</td>
<td>Rinf</td>
<td>MUD FILTRATE RESISTIVITY</td>
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<tr>
<td>TG</td>
<td>TRIP GAS</td>
<td>i</td>
<td>CORE INTERVAL</td>
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<tr>
<td>DST</td>
<td>DRILL STEM TEST</td>
<td>DST INTERVAL</td>
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<tr>
<td>W</td>
<td>MUD WEIGHT</td>
<td>V</td>
<td>MUD VISCOSITY</td>
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</tbody>
</table>

**Remarks**

- Graywacke
- Brecciated Quartzite & Chert

**Legend**

- Lithology Legend

**Company** Sunray Mid-Cont. Oil Co.

**Location** Sec 30, T17S, R19E

**County** Crook County, Oregon

**Elev.** G.L. 4252', D.F.

**Date** From 5/22/58 to 8/6/58

**Depth** From 1112 ft to 7919 ft

**Unit No.** 5

**Geo-Engineers** Dobson, Lewis, Bendetto

**Information Column**

- 30 20 10

- 10 20 30 40 60 80 100 200

- 0 10 20 50

**AN 22 JTS 113', 47'**

**J55 Casing, Cored**

- At 769' with 730 SX CHT.
AGGLOMERATE, AS ABOVE
BUT W/ INCR. AMT. OF WHITE, VEIN FILLING

AGGLOMERATE, DON, DK
GRY TO BK FREQUENT
MED/LT GRN INCLUSIONS
SOME RED & GRN MOTTLING.

AGGLOMERATE, DK GRN TO BK
MATRIX, W/ FINE GRN MOTTLING
LARGE MED/LT GRN
FRAGS. TRC RED MOTTLING.
AS ABOVE, BUT W/ ABNMT.
RED MOTTLING AND LARGE
GRN FRAGS.

AGGLOMERATE, DK GRN TO
GRY MOTTLING MATRIX
ABNMT. REDdish FRAGS.

AS ABOVE, BUT W/ INCR.
IN WHITE, VEIN FILLING

6/25
NE#8 349 FT

0°15'

LOSING MUD.

WT. 67
VLS. 48
W.L. 10.9
W.C. 9.33
SD. 52%
PH 9.5
<table>
<thead>
<tr>
<th>AGG.</th>
<th>DRY/BKN.</th>
<th>3:00</th>
<th>USING SHAKERS</th>
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<tr>
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<td></td>
<td>1:45</td>
<td>ADD F-105 B'-105</td>
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<td></td>
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