DIAMOND & MROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: BENTONE II-14
State: LAVADY-OREGON
Operations: SPUD AT 340 FT. W/BIT # 1
Footage: Past 24 Hr. 340

Surveys:

MUD CHECK

Wt. 9.2
Vis. 15
PV
YP
GELS

PH 10
Pm
Cl
CAKE
/22-Sol.

SD
% Oil
% CA
PF/MF

MUD ADDED:

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SRL.</th>
<th>FT. MADE</th>
<th>TOTAL HR. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13/</td>
<td>1M</td>
<td>9C</td>
<td>150</td>
<td>13/4</td>
<td>11/4</td>
<td>2.00</td>
<td>8</td>
<td>90</td>
</tr>
</tbody>
</table>

REMARKS

1) SPUNDED AT 9 A.M. 3-10-81
3 1/2" - RIG UP SWING BOW.
1 3/4" - 7
3/8" - TRIP TO TIGHTEN BIT
1 1/4" - INSTALL FLOOD SENSOR
1/8" - UNPLUG FLOOD LINE

COST SUMMARY

Day
Cum

<table>
<thead>
<tr>
<th>Rig/Flg.</th>
<th>33/0</th>
<th>33/0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WTR</td>
<td>245</td>
<td>245</td>
</tr>
<tr>
<td>MUD</td>
<td>423</td>
<td>423</td>
</tr>
<tr>
<td>RENTAL</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>LEGGER</td>
<td>750</td>
<td>750</td>
</tr>
<tr>
<td>OTHER</td>
<td>650</td>
<td>650</td>
</tr>
<tr>
<td>10%</td>
<td>975</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>10739</td>
<td>35739</td>
</tr>
</tbody>
</table>

3 1/2" - R.M. SWING.
3 1/2" - 9
1 1/2" - INSTALL FLOOD SENSOR
1 1/2" - 9
1/8" - TRIP TO TIGHTEN BIT
3 1/4" - 9
1/8" - UNPLUG FLOOD LINE

5 1/2" - 9
DAILY DRILLING REPORTS

Well Name: Passage 11-14
County: Platap
State: Oregon
Operations: 0
Spud: E.W. 646
Footage: 5760 ft.
W/Bits: 1
Past 24 Hr: 216

MUD CHECK

WT: 9.2
VSS: 5.0
WL: 14.3
PV: 32
YP: 18
GELS: 0.9
pH: 11
Pm: C1: 250
CAKE: 2
13: Sol.

MUD ADDED: 20-gal, 1-sack, 2-galloxin, 1-pace

<table>
<thead>
<tr>
<th>BIT NO</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER NO</th>
<th>FT MADE</th>
<th>TOTAL HRS RUN</th>
<th>PUMP PRESS</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13.5</td>
<td>CBA</td>
<td>526</td>
<td>B0346</td>
<td>5510</td>
<td>31/4</td>
<td>450</td>
<td>15</td>
<td>90</td>
</tr>
</tbody>
</table>

REMARKS

15 - 0
1 ½ - CIR
1 ¾ - DROP FL.
1 ¾ - EIG SERVICE
2 ½ - MTKN FLD LINE
1 ½ - REPAIRS (STICK TYPE)

COST SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fig</td>
<td>6340</td>
<td>27430</td>
</tr>
<tr>
<td>WTR</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>MUD</td>
<td>953</td>
<td>1926</td>
</tr>
<tr>
<td>Fur.</td>
<td>1200</td>
<td>2100</td>
</tr>
<tr>
<td>Lacer.</td>
<td>450</td>
<td>1500</td>
</tr>
<tr>
<td>Cess.</td>
<td>350</td>
<td>1300</td>
</tr>
<tr>
<td>Misc.</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1120</td>
<td>4450</td>
</tr>
</tbody>
</table>

1/4 - CLEAR DOW IN FLD LINE
**DIAMOND SHAMROCK CORPORATION**

**DAILY DRILLING REPORTS**

Date: 3-13
Day: 3
From: 13
Spud: E.W. 1/2

Well Name: Rose Cascade 11-14
County: Clatsop
State: Oregon

Operations: DRILLING AT 772 FT W/Bit # 5
Footage: Past 24 Hr. 191

Surveys: 

**MUD CHECK**

<table>
<thead>
<tr>
<th>WT</th>
<th>VSG</th>
<th>SG</th>
<th>Wt.</th>
<th>PV</th>
<th>YP</th>
<th>GEO</th>
</tr>
</thead>
<tbody>
<tr>
<td>q4</td>
<td>q3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PH | CA | % Oil | % CA | PP/PE |
|----|----|-------|------|-------|

MUD ADDED: 13-AM 3-TOQUE TRIM 1-SPUCIC 2-OLP R

<table>
<thead>
<tr>
<th>BIT NO</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO</th>
<th>FT.</th>
<th>MADE</th>
<th>TOTAL HRS.Run</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12/4</td>
<td>2S</td>
<td>50</td>
<td>202240</td>
<td>575</td>
<td>341/2</td>
<td>400</td>
<td>15</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>13/4</td>
<td>1S</td>
<td>575</td>
<td>202240</td>
<td>134</td>
<td>13/2</td>
<td>400</td>
<td>5</td>
<td>90</td>
<td></td>
</tr>
</tbody>
</table>

**REMARKS**

1. WEPLUGS FILL LINE

**COST SUMMARY**

<table>
<thead>
<tr>
<th></th>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DRILLING</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rig/fig</td>
<td>63,600</td>
<td>44,200</td>
</tr>
<tr>
<td>WTR</td>
<td>300</td>
<td>500</td>
</tr>
<tr>
<td>MUD</td>
<td>1,579</td>
<td>3,345</td>
</tr>
<tr>
<td>RENTAL</td>
<td>1,100</td>
<td>3,100</td>
</tr>
<tr>
<td>LEGALIZE</td>
<td>750</td>
<td>22,50</td>
</tr>
<tr>
<td>Cont.</td>
<td>4,500</td>
<td>8,550</td>
</tr>
<tr>
<td>10%</td>
<td>1,094</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>12,333</td>
<td>59,333</td>
</tr>
</tbody>
</table>


**DIAMOND SHAMROCK CORPORATION**

**DAILY DRILLING REPORTS**

- **Date:** 3-14
- **From:** 4
- **E.W.:** Leavell
- **Well Name:** Boise Cascade 11-14
- **Spud:** Platapur, Oregon
- **Operations:** N.W.B.O.P. AT 172 Ft. W/Bit #
- **Footage:** Past 24 Hr.: 0
- **Surveys:** ° @ 172

**MUD CHECK**

- **WT:** 9.4
- **VD:** 9.8
- **WL:**
- **PV:**
- **YP:**
- **GELS:**
- **pH:**
- **Pm:**
- **Cl:**
- **CAKE:** /32 Sol.
- **%:**
- **SD:**
- **% OIL:**
- **% CA:**
- **PF/MF:**

**MUD ADDED:**

**BIT NO.**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
</table>

**REMARKS**

1. Trip for paper run
2. Test mud
3. In due
4. Test taking at fence
5. Tool trip 9.5, 31/2 = 16.55
6. Stick 800, shoe Rober, float, 12' landing
7. 780 ft. landed @ 780 ft. KB, perf.
8. 835 ft., "G", plug, load at 4 P.M. 3-13
9. 8, 00 BOP

**COST SUMMARY**

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fig.</td>
<td>6360</td>
</tr>
<tr>
<td>WTR</td>
<td>—</td>
</tr>
<tr>
<td>MUD</td>
<td>—</td>
</tr>
<tr>
<td>Roust</td>
<td>400</td>
</tr>
<tr>
<td>Loader</td>
<td>350</td>
</tr>
<tr>
<td>Com</td>
<td>838</td>
</tr>
<tr>
<td>Total</td>
<td>991.6</td>
</tr>
</tbody>
</table>

**Q**
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-15-81  From E.W. Solde
Spud

Well Name Satterfield 11-14  County Moore
State Oklahoma

Operations Work Over AT 772 Ft. W/Bit Past 24 Hr.

Surveys

MUD CHECK

WT VIS WL PV YP GELS

pH Pm Cl CAKE 37.5 Sol %

SD % Oil % CA PF AM

MUD ADDED:


<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8 3/4</td>
<td>NTH</td>
<td>735</td>
<td>PIN 464</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REMARKS

10 - E.U. E.C.P

1/13 - Test Bore Tests

1/15 - 2 1/4 Bit # 3

1/16 - 2 1/2 Cements 2 1/4 Bit

1/17 - 2 1/2 Bore

1/18 - 2 1/2 Bore Parts

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg</td>
<td>34,000</td>
</tr>
<tr>
<td>WTR</td>
<td>13,200</td>
</tr>
<tr>
<td>MUD</td>
<td>2,500</td>
</tr>
<tr>
<td>Dru</td>
<td>960</td>
</tr>
<tr>
<td>Bjontech</td>
<td>4,700</td>
</tr>
<tr>
<td>Cuts</td>
<td>1,802</td>
</tr>
<tr>
<td>Casing</td>
<td>16,745</td>
</tr>
<tr>
<td>10%</td>
<td>3,170</td>
</tr>
<tr>
<td>TOTAL</td>
<td>3,170</td>
</tr>
</tbody>
</table>


DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Lower Lime. 11-14
County: Claiborne
State: LA
Spud: Footage

Operations: Repairs, AT 593.5 Ft. W/Bit # 3

Survey:

MUD CHECK

WT 11.2 45
RD 24 10 GELS
PH 1.33
CL 300
CAKE 2
GIL 8

MUD ADDED:

10 - 5 G.
1 - 0.5 G.
5 - 5 G.

BIT NO. SIZE TYPE DEPTH SER. FT. TOTAL PUMP WOB RPM

3 2 1/2 BIT 345 121 5 100 90

REMARKS

5 1/4 - 5 G.
5 1/4 - 5 G.

COST SUMMARY

DAY CUM

Rig/Flg  6/26.0  1/3.156
WTR  150  350
MUD  1056  4.11
DAILY  9700
LOCATION 18 777
NEW  1 767
10%  34.4
CUM  11.316
TOTAL  14.822  48.172

PUMP 1 - 5 G.M. 5 HP 4 GPM 42 R.P.M.

MUD MIXER
**DIAMOND OMROCK CORPORATION**

**DAILY DRILLING REPORTS**

- **Well Name:** Cascade 4-114
- **County:** Harney, Oregon
- **Operations:** RETAILES AT 932 Ft. W/Bit # 3 Past 24 Hr. 35
- **Footage:**

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>6</td>
<td>JOE</td>
<td>77</td>
<td>661084</td>
<td>13.6</td>
<td>6 20</td>
<td>8</td>
<td>90</td>
<td></td>
</tr>
</tbody>
</table>

**REMARKS**

- 4½ - REPAIRS
- 1½ - 6  REAM 293-932
- ½ - 1½ in  NTC DBLNG
- 1½ - REPAIRS
- 30 - 6 REPAIR

**COST SUMMARY**

<table>
<thead>
<tr>
<th>Rig/Flg</th>
<th>WTR</th>
<th>MUD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL**

- 2932
- 350

**30 DAY-REPAIRS**
DAILY DRILLING REPORTS

Well Name: Bruss Ranch 11-14
County: WINTON
State: OREGON

Operations: Repairs AT 928 Ft. W/Bit #3 Past 24 Hr. - 0 -

Surveys

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH</td>
<td>Pm</td>
<td>Cl</td>
<td>CAKE</td>
<td>33-Sol</td>
<td>%</td>
</tr>
<tr>
<td>SD</td>
<td>% Oil</td>
<td>% CA</td>
<td>PF/ME</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MUD ADDED:

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8 3/4</td>
<td>HXH</td>
<td>772</td>
<td>PP4164</td>
<td>150</td>
<td>16 3/4</td>
<td>300</td>
<td>8</td>
<td>70</td>
</tr>
</tbody>
</table>

REMARKS

- 24 - REPAIRS
- TOTAL DOWNTIME = 54
- TOTAL 10% MUD
- TOTAL 3700
- TOTAL 2970 154,720

COST SUMMARY

<table>
<thead>
<tr>
<th>Rig/Trg</th>
<th>WTR</th>
<th>MUD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DOWNTIME:

- 10% MUD 3700
- TOTAL 2970

TOTAL 154,720
DAILY DRILLING REPORTS

Date: 5-9-91
From: E.W. Leach

Well Name: Grossman 1
Spud: Oninnamon
County: Orange
State: Texas

Operations: 7
Footage: AT 1391 Ft. W/Bit # 3
Past 24 Hr. : 41'2"

Surveys

MUD CHECK

WT  9.5  VIS  50  WL  4'6  PV  57  YP  110  GELS.  4/8
pH  6.5  Pm  ---  CI  350  CAKE  3  1/2 Sol  40  %
SD  7%  % OIL  ---  % CA  20  PP/MF

MUD ADDED:

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8'1/4</td>
<td>NTA</td>
<td>230</td>
<td>50-424</td>
<td>654</td>
<td>16 1/2</td>
<td>450</td>
<td>10</td>
<td>90</td>
</tr>
</tbody>
</table>

REMARKS

- 8'1/4 - PUMP REPAIR
- 3 - WTR - NORM. RPT
- 1/2 - CHIEF, PUMP LINE
- 17 - 0

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>59.00</td>
</tr>
<tr>
<td>WTR</td>
<td>34.00</td>
</tr>
<tr>
<td>MUD</td>
<td>2.50</td>
</tr>
<tr>
<td>CONTRACT</td>
<td>110.00</td>
</tr>
<tr>
<td>TOTAL</td>
<td>12,200</td>
</tr>
</tbody>
</table>

553/4 - TOTAL 24 HRS TIME
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date: 3-26-81

Well Name: Purne Cascade 11-14
County: 
State: Oregon

Operations: AT 1475 FI. W/Bit # 4

Footage: Past 24 Hr. 29.9

Surveys: 1454.1

MUD CHECK
WT 9.5
VIS 48
WL 5
PV 31
YP 19
GELS 4/9

PH 6
Pm C1
Cl 300
CAKE 2
32-Sol 9

SD
don't read

MUD ADDED: 9-4-81

3-4-0

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>2</td>
<td>9 3/4</td>
<td>H2</td>
<td>772</td>
<td>224824</td>
<td>450</td>
<td>25</td>
<td>400</td>
<td>10</td>
<td>95</td>
</tr>
<tr>
<td>4</td>
<td>9 3/4</td>
<td>F2</td>
<td>1454</td>
<td>232478</td>
<td>261</td>
<td>1574</td>
<td>2300</td>
<td>84</td>
<td>66</td>
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</tbody>
</table>

REMARKS

COST SUMMARY

<table>
<thead>
<tr>
<th>Rig/Ftg.</th>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>153.40</td>
<td>153.40</td>
</tr>
</tbody>
</table>

WTR

MUD

DAILY

10/4

TOTAL 1044.5 179,344

BASEALT SECTION 1431-1439

SHALE 1 CM
**DAILY DRILLING REPORTS**

- **Date:** 2-21-81
- **From:** E.W. (E.W.)
- **Spud:**
- **County:**
- **State:** OR
- **Footage Past 24 Hr.:** 470

**Operations**

- **Well Name:** Nature Preserve W-11
- **W/B:** 4
- **At:** 455 Ft.

**MUD CHECK**

- **Wt.:** 9.5
- **Vis.:** 85
- **Sol:** 17
- **Z1:**
- **YP:**
- **GELS:** 5/5

**Pm:** 3/C

**CAKE:** 3

**sd:** 14

**% Oil:**

**% Cut:**

**% F/F:**

**MUD ADDED:** 90 GPD

**BIT NO.** | **SIZE** | **TYPE** | **DEPTH IN** | **SER. NO.** | **FT. MADE** | **TOTAL HRS. RUN** | **PUMP PRESS.** | **WOB** | **RPM**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
4 | 2 3/4 | P-2 | 1424 | 83117 | 721 | 30 1/4 | 9.00 | 18 | 47

**REMARKS**

- 24 - 9

**COST SUMMARY**

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg.</td>
<td>61,750</td>
</tr>
<tr>
<td>WTR</td>
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<tr>
<td>MUD</td>
<td>6,198</td>
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<td>MDS</td>
<td>9,43</td>
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<td><strong>TOTAL</strong></td>
<td><strong>14,376</strong></td>
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<tr>
<td><strong>CUM</strong></td>
<td><strong>184,750</strong></td>
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</table>
DIAMOND SMROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Bebe Cascade II-14

County: Custer

State: SD

Operations: 7 AT 3500 Ft. W/Bit #4 Footage Past 24 Hr. 425

Surveys: 3°-212.5

MUD CHECK

WT: 162 VIS: 15 WL: 33 PV: 30 YP: 19 GELS: 4/1

PH: 9.5 Pm: CAKE: 325 Sol: 10 %

SD: 41 % OIL: % CA: 0.5 PF/MF:


<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER NO.</th>
<th>FT MADE</th>
<th>TOTAL HRS RUN</th>
<th>PUMP PRESS</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>4</td>
<td>6 7/8</td>
<td>F-2</td>
<td>1424</td>
<td>B3378</td>
<td>1150</td>
<td>63 25</td>
<td>800</td>
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</table>

REMARKS

23 1/2 - 0

1/2 - SURVEY

COST SUMMARY

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<thead>
<tr>
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<th>DAY</th>
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<td>MUD</td>
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<td>DAY</td>
<td>2300</td>
<td>7,986</td>
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<tr>
<td>K/F</td>
<td>998</td>
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TOTAL 19,975 198,726
DAILY DRILLING REPORTS

Well Name: Rodeo Cascade 11-14

County: Clatsop

State: Oregon

Operations: 4

AT: 3,943 ft.

W/Bit: 11

Past 24 Hrs.: 21

Surveys

MUD CHECK

WT: 12.6

WS: 1.8

WL: 9.3

PV: 4.2

VP: 11

GELS: 3/4

PH: 2.8

Ppm: 350

CAKE: 50

3/2-5 Sol: 11

SD: 1/2

% Oil: 1/2

% CA: 1/2

PF/MF

MUD ADDED: 4,200

OS - GALEXY 15 - GALEXY

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<th>DEPTH IN</th>
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<tr>
<td>4</td>
<td>8&quot;</td>
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REMARKS:

$2,540 - 4

1/4 - PUMP REPAIR

COST SUMMARY

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<tr>
<td>DAILY</td>
<td>2700</td>
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<tr>
<td>10%</td>
<td>1050</td>
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TOTAL: 11,569 210,294

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DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-24 Day From Spud 14 E.W. 6401

Well Name BOISE CASCADE 11-14
County State Clatsop, Oregon
Operations 0 AT 3172 Ft. W/Bit # 5 Footage Past 24 Hr. 325

Surveys 305'6" - 1'4"

MUD CHECK

WT 103' VIS 58 W/L 4 PV 37 VP 14 GELS 3/16
PH 9 3/4 CM 300 CAKE 3 1/2-3 Sol 12%
SD 1/2 % OIL 1/8 % CA 20 PF/MF

MUD ADDED: 32 - G.P. ROXIN 14 - KARR (6 - 04/10)

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<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tr>
<td>4</td>
<td>8&quot;3/4</td>
<td>F - 2</td>
<td>1424</td>
<td>03175</td>
<td>1265</td>
<td>937/4</td>
<td>800</td>
<td>20</td>
<td>70</td>
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<tr>
<td>5</td>
<td>8&quot;3/4</td>
<td>F - 2</td>
<td>2555</td>
<td>03361</td>
<td>215</td>
<td>73/4</td>
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REMARKS

1/2 - 0
1/4 - Change Shaker Screws
1/4 - 0
1/4 - Change
1/4 - Surgery
1/4 - Trip
3/4" - Unplug Bit & Clean
Flow Line
7 3/4 - 0

COST SUMMARY

<table>
<thead>
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<th>DAY</th>
<th>CUM</th>
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<tbody>
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<td>MUD</td>
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<td>Daily</td>
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<tr>
<td>TOT</td>
<td>1059</td>
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<tr>
<td>Trip</td>
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<tr>
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BASALT FROM 3026 - 3100 FRACTURED
DIAMOND SHMROCK CORPORATION

DAILY DRILLING REPORTS

Day 3-25-81
From 15
Spud E.W. 6101

Well Name Boisse Cascade 11-14
County County
State Oregon

Operations 0207 PER LF BSAT 3495 Ft. W/BT # 5 Footage
Past 24 Hr. 323

Surveys

MUD CHECK

WT 16.2 VIS 55 WL 3.4 PV 30 YP 15 GELS 3/6
pH 9.2 Pm 300 CAKE 2/3 Sol 11%
SD 14% OIL % CA 30 PF/MF

MUD ADDED: 13-Glycerin 5-Carexoy 2-Saline

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<th>DEPTH</th>
<th>SER. NO.</th>
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<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>5</td>
<td>8 1/4</td>
<td>F-2</td>
<td>3333</td>
<td>B-0551</td>
<td>409</td>
<td>30/2</td>
<td>800</td>
<td>20</td>
<td>70</td>
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</table>

REMARKS

- 23 3/4 - 0
- 1/2 - R.S.
- 1/4 - REPAIRS
- 3 3/4 - CHANGE SHAKER SCREEN 10%

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
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</thead>
<tbody>
<tr>
<td>Rig/Ftg</td>
<td>1360</td>
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<tr>
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<tr>
<td>MUD</td>
<td>629</td>
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<td>DAILY</td>
<td>2360</td>
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<td>10,932</td>
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<tr>
<td></td>
<td>23,927</td>
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5/16/81 - TOTAL DOWN TIME.
DAILY DRILLING REPORTS

Well Name: Boisie Arcoite 11-14
County: Natron
State: Oregon

Operations:

Surveys: 3504 - 2°

MUD CHECK

WT: 10.2
Vis: 58
WL: 4.2
PV: 2.7
YP: 11
GELS: 3/4

PH: 9.2
Pm: 360
Cl: 360
CAKE: 5
/D3: Sol: 12
SD: 1/4
% OIL: 10
% CA: 20
PF/MF: 

MUD ADDED:
3 - Caustic
1 - Carbomax
4 - DOW

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
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<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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</thead>
<tbody>
<tr>
<td>5</td>
<td>21/2</td>
<td>F-2</td>
<td>3564</td>
<td>BK0551</td>
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<td>30 00</td>
<td>4000</td>
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<td>40</td>
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<tr>
<td>6</td>
<td>21/2</td>
<td>F-3</td>
<td>3155</td>
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<td>9</td>
<td>13 00</td>
<td>9000</td>
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<td>60</td>
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<tr>
<td>SRR</td>
<td>21/2</td>
<td>F-2</td>
<td>3504</td>
<td>BK0551</td>
<td>91</td>
<td>6</td>
<td>9000</td>
<td>20</td>
<td>60</td>
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REMARKS:

A - Survey
13% - Trip
21/2 - Removal of equipment
11/4 - 

COST SUMMARY

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<th>DAY</th>
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<td>Rig/Fig</td>
<td>12340</td>
<td>12340</td>
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<td>WTR</td>
<td>1000</td>
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<tr>
<td>MUD</td>
<td>9300</td>
<td>11230</td>
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<tr>
<td>TOTAL</td>
<td>1211</td>
<td>244192</td>
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Remarks:

A - Survey
13% - Trip
21/2 - Removal of equipment
11/4 - 

CUMULATIVE COSTS:

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<tr>
<th></th>
<th>DAY</th>
<th>CUM</th>
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<tbody>
<tr>
<td>Rig/Fig</td>
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<td>12340</td>
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<tr>
<td>WTR</td>
<td>1000</td>
<td>11300</td>
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<tr>
<td>MUD</td>
<td>9300</td>
<td>11230</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1211</td>
<td>244192</td>
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</table>
DIAMOND SQM&ROCK CORPORATION

DAILY DRILLING REPORTS

Date: 3-21-81
Day From: 17
Spud: E.W. 6601

Well Name: Boise Cascade
County: Clatsop
State: Oregon

Operations: Ø
Footage: 3935 ft.
W/Bit: SRR
Past 24 Hr.: 340

Surveys:

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VSG</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
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<tr>
<td>10.1</td>
<td>5</td>
<td>3.5</td>
<td>26</td>
<td>15</td>
<td>36</td>
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pH: 9.5
SD: 1.5

MUD ADDED: 8 - QBROMO 2 - Caustic 4 - DMS

BIT NO. | SIZE | TYPE | DEPTH | SER. NO. | FT. MADE | TOTAL HRS. RUN | PUMP PRESS. | WOB | RPM |
<table>
<thead>
<tr>
<th></th>
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<tr>
<td>SRR</td>
<td>8-3/4</td>
<td>F-2</td>
<td>3504</td>
<td>8kossi</td>
<td>431</td>
<td>29 1/4</td>
<td>1000</td>
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REMARKS

6 1/4 - Ø

1/4 - Pump repair

17 1/2 - Ø

COST SUMMARY

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<td>120,980</td>
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<tr>
<td>DLY</td>
<td>2,100</td>
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<tr>
<td>1090</td>
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TOTAL: 12,740 254,938
DAILY DRILLING REPORTS

Well Name: Benson Groove 11-14
County: Garfield
State: Colorado
Operations: 7
Footage: 4382 Ft.
W/Bit # 5801
Past 24 Hr. 347

Surveys:

MUD CHECK
WT: 10.5
VIS: 45
WL: 3.0
PV: 21
YP: 10
GELS: 2/5
PH: 9.5
Pm: 3,000
CAKE: 2
/2 Sol: 10%

MUD ADDED: 1 - POLYMER 2 - AGGLOMERATE 4 - DIOS

<table>
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<th>SIZE</th>
<th>TYPE</th>
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<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>C822</td>
<td>2 3/4</td>
<td>F-D</td>
<td>3254</td>
<td>BC0551</td>
<td>778</td>
<td>53 3/4</td>
<td>1000</td>
<td>20 1/2</td>
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REMARKS:

COST SUMMARY

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<tr>
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<th>DAY</th>
<th>CUM</th>
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<td>SUPPLY</td>
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<td>10%</td>
<td>155.7</td>
<td>155,721</td>
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<tr>
<td>TOTAL</td>
<td>11,583</td>
<td>162,521</td>
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## DAILY DRILLING REPORTS

**Well Name:** Boise Reserve 11-14  
**County:**冶金  
**Footage:**

**Operations:**

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
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<tbody>
<tr>
<td>95</td>
<td>42</td>
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<td>20</td>
<td>12</td>
<td>0.5</td>
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**pH:** 9.5  
**SD:** 3%  

**MUD CHECK:**

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<tr>
<th>MUD ADDED:</th>
<th>12-6FL 1-CREOCH 1-OREOCH</th>
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<tr>
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<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>5BC</td>
<td>2-3/4</td>
<td>P-2</td>
<td>3504</td>
<td>00551</td>
<td>1012</td>
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**REMARKS:**

- 23-4/8 - φ  
- ¼ - 70L EDC OF  

**COST SUMMARY**

<table>
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<tr>
<td>16%</td>
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**Notes:**

- Additional notes or remarks can be added here.
DAILY DRILLING REPORTS

Well Name: Bose, (Reada) 11-14
County: Nacogdoches
State: TX
Operations: AT 4591 FT. W/BIT 4
Footage: Past 24 HR. 95

Surveys: 4591 - 3/4

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>Q8</th>
<th>VIS</th>
<th>49</th>
<th>WL</th>
<th>3/4</th>
<th>PV</th>
<th>27</th>
<th>VP</th>
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<th>GELS</th>
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<tbody>
<tr>
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<td>5.5</td>
<td>Pm</td>
<td>100</td>
<td>Cl</td>
<td>300</td>
<td>CAKE</td>
<td>2</td>
<td>32 Sol</td>
<td>10%</td>
<td>3/2 Sol</td>
<td>10%</td>
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<tr>
<td>SD</td>
<td>1/5</td>
<td>% OIL</td>
<td>5</td>
<td>% CA</td>
<td>30</td>
<td>PF/MF</td>
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MUD ADDED: 3-49 FT. LUBERCON 1,000 PINTS

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<td>4-80</td>
<td>9-3/4</td>
<td>E-5</td>
<td>4591</td>
<td>2455</td>
<td>1874</td>
<td>49%</td>
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<td>50</td>
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<tr>
<td>4-8</td>
<td>9-3/4</td>
<td>E-5</td>
<td>4591</td>
<td>2455</td>
<td>1874</td>
<td>49%</td>
<td>1000</td>
<td>80</td>
<td>50</td>
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</table>

REMARKS

1) 2-4
2) C.
3) 2-13 TIDAL
4) 2-13 TIDAL
5) 2-13 TIDAL
6) 2-13 TIDAL
7) 2-13 TIDAL
8) 2-13 TIDAL
9) 2-13 TIDAL
10) 2-13 TIDAL

COST SUMMARY

<table>
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<th>CUM</th>
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<td>Labor</td>
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</tr>
<tr>
<td>TOTAL</td>
<td>10,358</td>
</tr>
</tbody>
</table>

45 FT. OF FILL ON TIDAL

10-2
DAILY DRILLING REPORTS

Well Name: [Redacted]  County: OR  State: OR

Operations: [Redacted]  AT 4955 Ft. W/Bit # 7

Surveys:

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>Vis</th>
<th>LD</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
<th>G/M</th>
</tr>
</thead>
<tbody>
<tr>
<td>9'8</td>
<td>5%</td>
<td>3'5</td>
<td>3'3</td>
<td>3'l</td>
<td>1'l</td>
<td>5'/l</td>
<td></td>
</tr>
</tbody>
</table>

MUD ADDED: 10' GEL. 2 - NAUTIC 4 - DME

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>8'4</td>
<td>E2</td>
<td>4591</td>
<td>EMR2</td>
<td>34.4</td>
<td>100</td>
<td>80</td>
<td>65</td>
<td></td>
</tr>
</tbody>
</table>

REMARKS:

8'/4 - [Redacted]

2 - Clean Shale Pits

13'/4 - [Redacted]

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Rig/Fig. 63.6  141.4  498
WTR 850  2,520
MUD 563  15,16
PA 2300
Fracking 813
10%  119
TOTAL 13156  309,929
**DAILY DRILLING REPORTS**

**Well Name:** Bruce Cascade 11-14  
**County:** Malheur  
**State:** Oregon  
**Operations:**  
**Footage:**  
**Surveys:**  

**MUD CHECK**

<table>
<thead>
<tr>
<th>WT</th>
<th>Vis</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>Gels</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.3</td>
<td>55</td>
<td>4.5</td>
<td>27</td>
<td>15</td>
<td>4/1</td>
</tr>
</tbody>
</table>

**MUD ADDED:** 8 - GrBgyn 6 - Caspian 4 - Caustic

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>8 3/4</td>
<td>F-2</td>
<td>4591</td>
<td>8142</td>
<td>479</td>
<td>44/1</td>
<td>1000</td>
<td>30</td>
<td>55</td>
</tr>
</tbody>
</table>

**REMARKS**

7/8 - 31 STD SHORT TRIP  
Tight Approx 2200 ft
11 1/2 - 

**COST SUMMARY**

<table>
<thead>
<tr>
<th>Item</th>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg.</td>
<td>6360</td>
<td>152,780</td>
</tr>
<tr>
<td>WTR</td>
<td></td>
<td>2,520</td>
</tr>
<tr>
<td>MUD</td>
<td>532</td>
<td>15,640</td>
</tr>
<tr>
<td></td>
<td>2760</td>
<td></td>
</tr>
<tr>
<td>10%</td>
<td>959</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>10,551</td>
<td>313,473</td>
</tr>
</tbody>
</table>


**DAILY DRILLING REPORTS**

**Well Name:** Boise Cascade 11-14  
**County:** Clatsop  
**State:** Oregon  
**Operations:** Short Trip at 5412 Ft. W/Bit # 7  
**Footage:** Past 24 Hr. 250

**MUD CHECK**

<table>
<thead>
<tr>
<th>WT</th>
<th>V S</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>97</td>
<td>45</td>
<td>48</td>
<td>18</td>
<td>10</td>
<td>3/4</td>
</tr>
</tbody>
</table>

**MUD ADDED:**
- 8 - Quicksand  
- 8 - Carbonate  
- 6 - Caustic

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>8 3/4</td>
<td>F-2</td>
<td>4391</td>
<td>B3169</td>
<td>831</td>
<td>6 7/8</td>
<td>1000</td>
<td>30</td>
<td>55</td>
</tr>
</tbody>
</table>

**REMARKS**

- 3 1/4 - 6
- 1 3/4 - R.S.
- 19 3/4 - 6
- 3 1/4 - Short Trip

**COST SUMMARY**

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg</td>
<td>159,140</td>
</tr>
<tr>
<td>WTR</td>
<td>2,520</td>
</tr>
<tr>
<td>MUD</td>
<td>16,835</td>
</tr>
<tr>
<td>DAILY</td>
<td>2700</td>
</tr>
<tr>
<td>10%</td>
<td>970</td>
</tr>
<tr>
<td>TOTAL</td>
<td>324,138</td>
</tr>
</tbody>
</table>

---

*Additional notes or remarks could be present here.*
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Beryl Cascade 11-14
County: Clatsop
State: Oregon
Operations: ∅
Footage: 5,453 ft.
W/Bit #: 99
Past 24 Hr.: 41

Surveys: 5418'-10'

MUD CHECK
WT: 9.6
VIS: 9.5
WL: 15.8
PV: 21c
VP: 20
GELS: 7.6
pH: 9.5
PM: C1
Cl: 300
CAKE: 2
SOL: 9
% OIL: % CA: 20
P/F: MF

MUD ADDED:

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>6.1/2</td>
<td>F-2</td>
<td>4591</td>
<td>81,462</td>
<td>801</td>
<td>67/8</td>
<td>1000</td>
<td>30</td>
<td>55</td>
</tr>
<tr>
<td>GRP</td>
<td>8.34</td>
<td>F-3</td>
<td>5412</td>
<td>R16C71</td>
<td>41</td>
<td>5</td>
<td>1000</td>
<td>30</td>
<td>55</td>
</tr>
</tbody>
</table>

REMARKS:
10 - TRIP TIGHT FOR 7 DAYS
2 - UPWELL BIT
4 - CIRCULATE BRIDGES - CIV
6 - PUMP FROM 4966 TO 5016 90% 90% 60%

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>1,314</td>
</tr>
<tr>
<td>WTR</td>
<td>3,390</td>
</tr>
<tr>
<td>MUD</td>
<td>14,275</td>
</tr>
<tr>
<td>DEMP FROM 4966 TO 5016 90% 90% 60%</td>
<td>90</td>
</tr>
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TOTAL: 9,960 339,164

OOD & 12.15/HR
DAILY DRILLING REPORTS

Well Name: Boise Cassida 11-14
County: OR
State: Oregon
Operations: 4
Footage: 5520 Ft.
W/Bit # 8
Past 24 Hr. (9)

Surveys: 5509'-1.9

MUD CHECK
wt: 9.29
vis: 6.9
wl: 4.0
pv: 29
yp: 18
gebs: 4/12
pH: 9.2
pm: 300
ca: 2

MUD ADDED: 16 - GEL 5 - BAKTIC 5 - GARVIN 3 - CARRSY

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>6PR</td>
<td>2-3/4</td>
<td>T-3</td>
<td>5412</td>
<td>AX1806</td>
<td>99</td>
<td>112.3</td>
<td>1000</td>
<td>30</td>
<td>55</td>
</tr>
<tr>
<td>8</td>
<td>2-3/4</td>
<td>FITS</td>
<td>5509</td>
<td>A24444</td>
<td>13</td>
<td>2</td>
<td>1000</td>
<td>20</td>
<td>70</td>
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</table>

REMARKS

11-1/4 - 4
1/4 - Survey
4-1/4 - Trip Out
2-7/8 - out & line
3 - Trip In
2 - 4

COST SUMMARY

<table>
<thead>
<tr>
<th>Day</th>
<th>Cum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg</td>
<td>6735</td>
</tr>
<tr>
<td>WTR</td>
<td>-</td>
</tr>
<tr>
<td>MUD</td>
<td>542</td>
</tr>
<tr>
<td>Subs</td>
<td>4625</td>
</tr>
<tr>
<td>Daily</td>
<td>2900</td>
</tr>
</tbody>
</table>

TOTAL 19,365 353,469
DAILY DRILLING REPORTS

Date 4-5-81  From 26  E.W. 6601
Spud

Well Name  Boise Cascade 11-14  County Malheur  Oregon

Footage
Operations  9  AT 5164 Ft. W/Bit 9  Past 24 Hr. 104

Surveys  5164 - Miter

MUD CHECK

WT 9.8  VIS 1.4  WL 5'  PV 30  VP 17  GELS 5/10

pH 10.5  Pm CI 300  CAKE 2  32-50%  10 %

MUD ADDED: 4 - GEL 4 - CAUSTIC 1 - OILYIN 2 - DRAINAGE

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>3-3/4</td>
<td>GRV</td>
<td>5164</td>
<td>45394</td>
<td>15</td>
<td>15</td>
<td>1000</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>9</td>
<td>3-1/4</td>
<td>FE-2</td>
<td>5163</td>
<td>45370</td>
<td>5</td>
<td>1/3</td>
<td>1000</td>
<td>30</td>
<td>50</td>
</tr>
</tbody>
</table>

REMARKS

1) 3 - 
2) 2-1/2 - REPAIR SHALE SHAKER MOTOR
3) 1-1/4 - Sucker
4) 2 1/4 - Trip
5) 3/4 - CIRC BATTERS UP
6) 1/4 - Trip

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg</td>
<td>1,735</td>
</tr>
<tr>
<td>WTR</td>
<td>- 0 -</td>
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<tr>
<td>MUD</td>
<td>359</td>
</tr>
<tr>
<td>DAILY</td>
<td>5330</td>
</tr>
<tr>
<td>10/6</td>
<td>949</td>
</tr>
</tbody>
</table>

TOTAL 10,463 364,132
DAILY DRILLING REPORTS

Date 4-6-81
From 27 E.W. (60)
Spud

Well Name Eagle Pass 11-14
County Wallowa
State Oregon

Operations 9 AT 5831 Ft. W/Bit # 9 Past 24 Hr. 19.2

Surveys

MUD CHECK
WT 98.5 Visc 58 WL 48 PV 80 YP 14 GELS 1/8
PH 9.5 Ppm C1 500 CAKE 2 /33-65 10 %
SD 1/4 C.Oil % CA 20 PF/AM

MUD ADDED 24 GEL 4 CAUSTIC 9 CEMENT 7 CARRONEX

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT MADE</th>
<th>TOTAL HRS-RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>8 1/4</td>
<td>P-2</td>
<td>56241 x 4297</td>
<td>197</td>
<td>31/2</td>
<td>1000</td>
<td>30</td>
<td>85</td>
<td></td>
</tr>
</tbody>
</table>

REMARKS
5 1/4 - φ
3 - REPAIR SHELL SHAVER MOTOR WTR
1 5/16 - φ

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>COST</th>
<th>CJM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fix</td>
<td>635</td>
<td>178,970</td>
</tr>
<tr>
<td>MUD</td>
<td>994</td>
<td>17,814</td>
</tr>
<tr>
<td>TOTAL</td>
<td>11,472</td>
<td>395,604</td>
</tr>
</tbody>
</table>
DAILY DRILLING REPORTS

Date 3-3-81
From 28 E.W. (cl 01)
Spud

Well Name Taylor Passmore 11-4
State OREGON

Operations 000
Footage AT 59100 Ft. W/Bt # 9
Past 24 Hr. 139

Surveys 8800 7

MUD CHECK

WT 96 vs 63
WL 44 PV 383
YP 21 GELS 5

PH 10
SD 4
% OIL 20
% CA 20
PF/ME

MUD ADDED: 24 GAL 5-CAUSTIC 9-DRY 6F 6-CARBOMAX

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>8 3/4</td>
<td>F-3</td>
<td>5054</td>
<td>N-4798</td>
<td>3410</td>
<td>44 1/4</td>
<td>1500</td>
<td>50</td>
<td>50</td>
</tr>
</tbody>
</table>

REMARKS

2 1/4 - 0
1/4 - CHANGE
0 1/4 - 0
1/2 - SET
1/2 - SURVEY
1 3/4 - 0

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg</td>
<td>6735</td>
</tr>
<tr>
<td>WTR</td>
<td>- 0</td>
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<tr>
<td>MUD</td>
<td>1000</td>
</tr>
<tr>
<td>Daily</td>
<td>2260</td>
</tr>
<tr>
<td>10%</td>
<td>1044</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1465</td>
</tr>
</tbody>
</table>

SANDY Siltstone with some volcanics
DAILY DRILLING REPORTS

Well Name: Boise Cascade 11-14
County: Custer
State: Oregon
Operations: 

Footage: 6087 FT. W/Bit # 9

Surveys: 5981 - Mix Run 6074 - Mix Run 6074 - 1°

MUD CHECK

WT 9.6 AP 64
WL 4.6 PV 31 YP 17 GELS 4/9

pH 10.3
SD

MUD ADDED: 4-GEL 8-CARBON 5-CARBONIC 3-CAUSTIC

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>8 3/4</td>
<td>P-2</td>
<td>5024</td>
<td>AX4972</td>
<td>463</td>
<td>1647</td>
<td>1000</td>
<td>90</td>
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</tr>
</tbody>
</table>

REMARKS

3 - 

1/2 - CIRC

1 - SUCKET

1 1/2 - 

1/6 - CIRC

3/4 - SUCKET

3/4 - 

1/4 - 

30,000# 60 RPM = 14.15 FPM

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>4735</td>
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<tr>
<td>WTR</td>
<td>0</td>
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<tr>
<td>MUD</td>
<td>513</td>
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</tbody>
</table>

TOTAL | 10,947 | 398,636 |

398,636
**DAILY DRILLING REPORTS**

**Well Name:** Bruce Ranch 11-14  
**County:** Chawaii  
**State:** Oregon

**Operations:** Cann 7l AT 10-94 FT. W/Bit #7  
**Footage:** Pas 24 Hr. 2005

**Surveys**

**MUD CHECK**

<table>
<thead>
<tr>
<th>WT</th>
<th>Gels</th>
<th>Prop</th>
<th>YP</th>
<th>Volk</th>
<th>% Oil</th>
<th>CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 6</td>
<td>61</td>
<td>47</td>
<td>2.5</td>
<td>12</td>
<td>0.5</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**MUD ADDED:**

- 190 GEL 2-AMINOL 1800# Approx. 14.000#  
- 1-700 AMINE 1.000#

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>8 3/4</td>
<td>F 2</td>
<td>5024</td>
<td>6485</td>
<td>8.5</td>
<td>00</td>
<td>17</td>
<td>30</td>
<td>16</td>
</tr>
</tbody>
</table>

**REMARKS**

1/4 - REVIEW SHEET: SUBMITTED  
30/32 - 0  
1/4 - CIRC. SUBMITTED  
1/4 - CIRC. SUBMITTED: LV - L  

**COST SUMMARY**

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg</td>
<td>17.75</td>
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<tr>
<td>WTR</td>
<td>2 3/5</td>
</tr>
<tr>
<td>MUD</td>
<td>72.411</td>
</tr>
<tr>
<td>DAILY</td>
<td>800 5</td>
</tr>
<tr>
<td>Tracking</td>
<td>7.4</td>
</tr>
<tr>
<td>10%</td>
<td>12 3/5</td>
</tr>
<tr>
<td>Bits</td>
<td>36,335</td>
</tr>
<tr>
<td>TOTAL</td>
<td>44</td>
</tr>
</tbody>
</table>

**WELL TEST A 2 D/N SPEED SECTION**

**TENOR:**

- From Parker AT 10-44 TH 1.038
- Gas Increase 2.4 WOB FROM 8.000 BT 65,544 - 64,360 7.0 TIME FROM 4.000 BT 18.000 AT: 44:00:30:00 18.000 FT: 44:00:30:00
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date: 7-10-81
Day From: 31
E.W.: 6601

Spud
County: Wapato
State: Washington

Well Name: 

Operations: Circ W.D.T. AT 6894 Ft. W/Bit # 9
Footage: Past 24 Hr.: 0

Surveys:

MUD CHECK

WT: 9.8  VS: 4.7  WL: 4.8  PV: 38  TV: 32  GELS: 5/11
PH: 10.5  Pm: CI: 6000  CAKE: 2 3/2-Sol: 10
SD: 1/4  %OIL: %CA: 3D  PF/MP:

MUD ADDED: 19-GEL 16-KRIOID 9-ACRIDIN 3-CARBON

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>3/4</td>
<td>F-2</td>
<td>6824</td>
<td>1249</td>
<td>670</td>
<td>85%</td>
<td>1000</td>
<td>30</td>
<td>55</td>
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</tbody>
</table>

REMARKS:

3 1/2 - CIRC

1/2 - B.S.

4 - 11 STD SHORT TRIP

3 - CIRC

3 3/4 - 40 STD SHORT TRIP

6011 - 4519 TIGHT

24' FILL

3/4 - WASH 34' TO BOTTOM

3 - CIRC

3 1/4 - 40 STD SHORT TRIP

NO DRILL NO FILL

2 1/4 - CIRC

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>1735 205910</td>
</tr>
<tr>
<td>WTR</td>
<td>- 0 - 2150</td>
</tr>
<tr>
<td>MUD</td>
<td>456 60 454</td>
</tr>
<tr>
<td>DAILY</td>
<td>2300</td>
</tr>
<tr>
<td>10%</td>
<td>989</td>
</tr>
<tr>
<td>TOTAL</td>
<td>10880 453652</td>
</tr>
</tbody>
</table>

---

---
DAILY DRILLING REPORTS

Date: 4-11-81

Well Name: Dicey-11-14
County: Plattsburg
State: Oregon
Operations: Trip Out & No. AT 16594 Ft. W/Bit \\

Surveys: 1004 - 1/2°

MUD CHECK

WT: 9.5
Vis: 105
WL: 41
PV: 38
YP: 22
GELS: 4/6

PH: 10
PM: 1600
CAKE: 2
SOL: 10
%

MUD ADDED: 6-6EL 1-CROSS 1-OPAC

<table>
<thead>
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<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
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<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>3 1/4</td>
<td>F-2</td>
<td>0134</td>
<td>A-4470</td>
<td>1 1/2</td>
<td>25 1/2</td>
<td>100</td>
<td>20</td>
<td>55</td>
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</table>

REMARKS

1. Core
2. Survey
4. Trip & Stand Out
2. Trip Out & Test Tools
4 1/2 Trip in Test 41
1. Rig Up Surface

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>472.5</td>
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<tr>
<td>WTR</td>
<td>0</td>
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<tr>
<td>MUD</td>
<td>485</td>
</tr>
<tr>
<td>LOST TACKER SEAT</td>
<td>9.660</td>
</tr>
<tr>
<td>TOTAL</td>
<td>12,126</td>
</tr>
</tbody>
</table>

5. Trip Out - Rec 1150' & Mud
DAILY DRILLING REPORTS

Well Name: Bovee Cascade 11-14
County: Grant
State: Oregon
Operations: Test run @ 73 AT 6,354 Ft. W/Bit #1
Footage: Past 24 Hr.

Surveys

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>Vis</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.5</td>
<td>20</td>
<td>41</td>
<td>38</td>
<td>33</td>
<td>4/8</td>
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<table>
<thead>
<tr>
<th>PH</th>
<th>Pm</th>
<th>Cl</th>
<th>Cake</th>
<th>1/32 Sol</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SD | TR | % Oil | % CA | PF/NF |
|----|----|-------|------|-------|

MUD ADDED: None

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
</table>

REMARKS

1/4 - Lay down test tools
6/4 - Trip in with bit tight at 1674 ft 6534
5 - Circ
4 1/2 - Trip out
1 - Pick up test tools
4 - Trip in couldn't get tools to bottom

COST SUMMARY

DAY
Rig/Ftg 6435 219,380
WTR -0- 2,500
MUD -0- 01,692

Total 23,660

10% 944

TOTAL 19,319 474,139
DAILY DRILLING REPORTS

Well Name: Jesse Petroleum 11-14
County: Oregon
State: Oregon
Operations: AT 6375 Ft. W/Bit # 10
Footage: Past 24 Hr. 81

Surveys:

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.8</td>
<td>7S</td>
<td>4S</td>
<td>38</td>
<td>24</td>
<td>10/48</td>
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MUD ADDED: 7-GEL 2-GEROSIN 1-2MS

<table>
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<th>BIT NO.</th>
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<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>8/4</td>
<td>HSS 169.4</td>
<td>92-134</td>
<td>81</td>
<td>9/4</td>
<td>1000 35 60</td>
<td></td>
<td></td>
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</table>

REMARKS

6 - TRIP OUT WITH DST #2
1/4 - R.S.
3/4 - 15' CORD 15'TOOLS
1 - CUST OF LINE
3/4 - TRIP ON
2 - WASH LED TO BOTTOM
-23' BRIDGES NO fill

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/fig</td>
<td>1,335</td>
</tr>
<tr>
<td>WTR</td>
<td>35</td>
</tr>
<tr>
<td>MUD</td>
<td>23.1</td>
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<tr>
<td>DAILY</td>
<td>870</td>
</tr>
<tr>
<td>16%</td>
<td>970</td>
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<tr>
<td>TOTAL</td>
<td>5,141</td>
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1/4 - REPAIR
9/4 - 2
DAILY DRILLING REPORTS

Well Name: Brise Ranger
County: Chiricahua
Operations: 0
Footage: 10

Surveys

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
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</thead>
<tbody>
<tr>
<td>9.5</td>
<td>40</td>
<td>45</td>
<td>33</td>
<td>20</td>
<td>5/4</td>
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</table>

pH 9.3
SO 2%
CL 400
CAKE 2

MUD ADDED:
- 5 - GEL
- 10 - Q Brown
- 9 - Q Brown
- 1 - C Rustic

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>10</td>
<td>3/4</td>
<td>k.15</td>
<td>6,094</td>
<td>92269</td>
<td>261</td>
<td>31/2</td>
<td>1000</td>
<td>5</td>
<td>80</td>
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REMARKS

COST SUMMARY

<table>
<thead>
<tr>
<th>Rig/Ftg</th>
<th>WTR</th>
<th>MUD</th>
<th>D MTR</th>
<th>RIG#1</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,045</td>
<td>239</td>
<td>289</td>
<td>24.00</td>
<td>15.00</td>
<td>498,257</td>
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</table>

_
DIAMOND J. M. ROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: J. J. P. Deep 11-14

Date: 4-15-81

From: 31c E.W.

Spud: 6-1-81

County: Oregon

State: Oregon

Operations: Drilling Bore AT 14-27 Ft. W/Bit # 10

Footage: Past 24 Hr. 52

Surveys: ________________

MUD CHECK

WT: 10.5

VIS: 48

WL: 41

PV: 50

YP: 20

GELS: 4/10

pH: 9

Cl: 400

CAKE: 2/3 Sol.

SD: 10

% OIL: 

% CA: 20

PF/ML: 

MUD ADDED: 4-6 CL, 9 - CIFEXIN, 8 - CARBONOX

3-6 BULTOL, 3 - BMS, 1 - PEGAN

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>8 3/4</td>
<td>HXTX</td>
<td>1-29 1/2</td>
<td>933061</td>
<td>3-1/4</td>
<td>23 3/4</td>
<td>1000</td>
<td>25</td>
<td>80</td>
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</table>

REMARKS: ________________

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
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</thead>
<tbody>
<tr>
<td>Rig/Flt.</td>
<td>625</td>
</tr>
<tr>
<td>WTR</td>
<td>3.5</td>
</tr>
<tr>
<td>MUD</td>
<td>11-21-81</td>
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</table>

Daily: 2300

10% 1000

TOTAL: 1,986,310,043

__________________________

__________________________
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Boise Springs 11-14
County: Malheur
State: Oregon
Operations: Spun 10-30 4-1/2 AT 6,668 ft. W/Bit #10

Footage:
Day 4-16-81 From Spud

Surveys:

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>VP</th>
<th>GELS</th>
</tr>
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<tbody>
<tr>
<td>10</td>
<td>74</td>
<td>42</td>
<td>40</td>
<td>34</td>
<td>1/5</td>
</tr>
</tbody>
</table>

MUD ADDED: 29-GEL 29-GEL, BOREID 3-GAUSTIC 6-ACREXIN

6-CARREROX 10-BOR 1-DESIFAL

BIT NO. SIZE TYPE DEPTH IN SER. NO. FT. MADE TOTAL HRS. RUN PUMP PRESS. WOB RPM

| 10 | 8 1/4 | H515 | 16298 | 933349 | 314 | 19 3/4 | 1000 | 95 | 80 |

REMARKS

6/19 - REAMING TO BOTTOM-TIGHT

<table>
<thead>
<tr>
<th>WTR</th>
<th>RIG/FIG.</th>
<th>DAY</th>
<th>CUM</th>
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<tbody>
<tr>
<td>6448</td>
<td>6435</td>
<td>345</td>
<td>320</td>
</tr>
<tr>
<td>4500</td>
<td>4583</td>
<td>28</td>
<td>127</td>
</tr>
<tr>
<td>3140</td>
<td>3183</td>
<td>26</td>
<td>10</td>
</tr>
<tr>
<td>300</td>
<td>3050</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>2514</td>
<td>2521</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL: 28,310 538,555

COST SUMMARY
Well Name: Zorro [illegible] 11-44
County: [illegible]
Operations: Trip in 12-1/4" at 1,600 ft. W/Bit # [illegible]
Footage: Past 24 Hr.

Surveys

MUD CHECK
WT: 12.2
VIS: 41
WL: 4.2
PV: 31
YP: 20
GELS: 8/3
Pm: 9
Cl: 400
CAKE: 2/3-Sol: 13
SD: TR
% OIL: % CA: % MF: PF/MF

MUD ADDED: 4B - MDR 0.1 - 5000 11 - 10000
S - 8-1/4" 4 - 1/8" 4-1/8" 2-1/8" 4-1/2"

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>10</td>
<td>7 1/4&quot;</td>
<td>10211</td>
<td>6,431</td>
<td>73317</td>
<td>314</td>
<td>2,714</td>
<td>1,000</td>
<td>25</td>
<td>20</td>
</tr>
</tbody>
</table>

REMARKS

2 1/2 - Trip in Dist # 3
1 - Float 7C Test
5/6 - Trip Out Dist # 5
2 - 1 7/8"
4 - Trip in 12 1/4" bit 5' Pull
3 - 0 Rdc
4 1/2 - Trip Out (No Drag)
1 1/8 - P.U.T.I. For Dist # 4

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg.</td>
<td>675</td>
</tr>
<tr>
<td>WTR</td>
<td>60</td>
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<tr>
<td>MUD</td>
<td>138</td>
</tr>
<tr>
<td>DAY</td>
<td>840</td>
</tr>
<tr>
<td>10/6</td>
<td>10/6</td>
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TOTAL 149,02 350,459
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: ROSS 11-14
Operations: 9
Footage: Past 24 Hr. 220

Surveys: 1
MUD CHECK
WT: 9
VP: 229
GELS: 0.5

MUD ADDED: 4-27

BIT NO. SIZE TYPE DEPTH IN SER. NO. FT. MADE TOTAL HRS. RUN PUMP PRESS. WOB RPM
1232 R1A HSS LV 144.75 D227A 600 5 1000 35 40

REMARKS
1 - P.M., T.T. # 4
3/4 - R.S.
2/11 - TRIP IN # 4
3/4 - REPAIR
1/4 - TRIP IN BIT # 4
1 - INF.LT. FLOORS, OPEN
1/8 - NO PACIFIC SPST
5 - TRIP COST, BIT # 4
1/8 - L.I.T.
4/4 - TRIP IN BIT
1 - CORE
5 - 0

COST SUMMARY
DAY CUM
RIG/FIG. 1335 259,390
WTR. 0 2,450
MUD 20 29,741
LT#1 1381 9,381
LT#2 31,74 31,74
BLDR 2200 13,233
TOTAL 19,490 529,452

WOB RPM
DAILY DRILLING REPORTS

Well Name: Bowers Patterson 11-14
 County: Oregon

Operations: At 675 ft. W/Bit # 11

Surveys

MUD CHECK

WT 102
VIS 64
WL 44
PV 30
YP 14
GELS 49
PH 9.5
Pm 900
Cl 200
CAKE 2

SD % OIL % CA % MF

MUD ADDED: 9-60L 11-13 000
9-CAUSTIC 7-DBS

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>10RP</td>
<td>8¾</td>
<td>HSE</td>
<td>6169</td>
<td>20388</td>
<td>2101</td>
<td>17¾/4</td>
<td>1000</td>
<td>30</td>
<td>45</td>
</tr>
<tr>
<td>11</td>
<td>8¾</td>
<td>HSE</td>
<td>6169</td>
<td>20389</td>
<td>10</td>
<td>1000</td>
<td>35</td>
<td>60</td>
<td></td>
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</tbody>
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REMARKS

5-7
4- 7
2-7
1¾- 7
5-7 7-12 6.50
5-7 7-12 6.50
4-7 10.50
3-7 6.50

COST SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>DAY</th>
<th>CUM</th>
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<tbody>
<tr>
<td>Rig/Flg.</td>
<td>1235</td>
<td>246,525</td>
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<td>WTR</td>
<td>0</td>
<td>2,660</td>
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<tr>
<td>MUD</td>
<td>12,892</td>
<td>31,590</td>
</tr>
<tr>
<td>Bit</td>
<td>1,350</td>
<td>1,350</td>
</tr>
<tr>
<td>DURO</td>
<td>2,700</td>
<td></td>
</tr>
<tr>
<td>HRAO</td>
<td>1,298</td>
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<tr>
<td>TOTAL</td>
<td>14,382</td>
<td>60,373</td>
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</table>

1/4: 7
1/4: 7
1/4: 7
1/4: 7
1/4: 7
1/4: 7
DAILY DRILLING REPORT

Well Name: Boise Cascade 2-11-4
County: Clatsop
State: Oregon
Operations: Trip for Bit at 2,295 ft. W/B #11
Footage: Past 24 Hr. 150

Surveys:

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>9.5</th>
<th>PH</th>
<th>9.5</th>
<th>Ppm</th>
<th>CI</th>
<th>400</th>
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</thead>
<tbody>
<tr>
<td>Vis</td>
<td>6.9</td>
<td>CI</td>
<td>1.9</td>
<td>39</td>
<td>YP</td>
<td>19</td>
</tr>
<tr>
<td>WL</td>
<td>44</td>
<td>CAKE</td>
<td>13</td>
<td>32 Sol</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

SD | TR | % Oil | % CA | 20 | PPG/WF |

MUD ADDED: 100 GEL
3-06/01
4-07/01
5-08/01

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>2 3/4</td>
<td>NT.</td>
<td>6709</td>
<td>AN 129</td>
<td>180</td>
<td>24/4</td>
<td>1000</td>
<td>25</td>
<td>60</td>
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</tbody>
</table>

REMARKS: 22 1/2 - Ø
1/2 - SURVEY

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
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<td>Rig/Trg</td>
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<td>WTR</td>
<td>- 0</td>
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<tr>
<td>MUD</td>
<td>32,356</td>
</tr>
<tr>
<td>DAILY</td>
<td>2,700</td>
</tr>
<tr>
<td>10%</td>
<td>560</td>
</tr>
<tr>
<td>Ø BAIL 6,812 - 6,820</td>
<td></td>
</tr>
<tr>
<td>200 unit increase</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>11,321</td>
</tr>
</tbody>
</table>
DAILY DRILLING REPORTS

Date: 4-21-81
From: 4-2
To: E.W. 6601

Well Name: Boise Cascade 11-14
County: Clatsop
State: Oregon
Spud: Footage: AT 6974 Ft. W/Bit # 12
Operations: Past 24 Hr. 79

Surveys

MUD CHECK
WT: 104 VIS 70 WL 44 PY 41 YP 25 GELS 7/15
PH: 10 Pm CI 500 CAKE 2 1/2 Sol. 13 %
SD: TR % OIL % CA 20 PF/MF

MUD ADDED: 3L-GEL 15-ACRYLIA 7-CAUSTIC
3-CARRAGHEN 2-CEMA 1-DMS

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>874</td>
<td>F.O.</td>
<td>6895</td>
<td>CH266</td>
<td>79</td>
<td>14 1/2</td>
<td>1100</td>
<td>30</td>
<td>65</td>
</tr>
</tbody>
</table>

REMARKS
8 1/4 - Trip
3 1/4 - Wash &ream to Bottom No Fill
14 1/8 - 0

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
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<td>WTR</td>
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<td>33,355</td>
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<tr>
<td>New</td>
<td>5400</td>
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<tr>
<td>16%</td>
<td>1430</td>
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TOTAL 11,477 626,433
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date: 4-20-81
From: 43
E.W.: 6001
Spud: 

Well Name: Boise Cascade 11-14

County: Clatsop
State: Oregon

Operations: Trip out for logs at 3050 Ft. W/Bit #12 Past 24 Hr. 76

Footage:

Surveys:

MUD CHECK

wt: 103
vis: 10
wl: 42
pv: 36
vp: 18
Gbs: 5/10

ph: 10
pm: 500
ca: 2
/32 Sol: 13

MD added: 20- BAR 9-CHEMIX IN 8-CARBONOX 4-CASCIO
4-DME 2-TURPENTIN 1-8- Foamer

|MUD CHECK|
| wt: 103 | vis: 10 | wl: 42 | pv: 36 | vp: 18 | Gbs: 5/10 |
| ph: 10 | pm: 500 | ca: 2 | /32 Sol: 13 |

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>8 3/4</td>
<td>F2</td>
<td>6975</td>
<td>14/828</td>
<td>155</td>
<td>26 7/4</td>
<td>1000</td>
<td>30</td>
<td>65</td>
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</tbody>
</table>

REMARKS:

8 3/4 - Trip out for logs
1/4 - Pump repair
1/4 - Trip out
1/4 - R.S.
2 3/4 - Trip out

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fig.</td>
<td>6400</td>
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<tr>
<td>WTR</td>
<td>0</td>
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<tr>
<td>MUD</td>
<td>1780</td>
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<tr>
<td>Daily</td>
<td>2,700</td>
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<tr>
<td>106</td>
<td>112</td>
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</table>

TOTAL: 10,337 638,742

WASH 45', NO FILL

5 - Trip out

3 3/4 - Trip out for logs
1 3/4 - Trip out
# DIAMOND SHAMROCK CORPORATION

**DAILY DRILLING REPORTS**

- **Date:** 4-23-81
- **From Spud:** 44 E.W. 6601
- **Well Name:** Boise Cascade 11-14
- **County:** Clatsop
- **State:** Oregon
- **Footage:** 0
- **Survey:** 7050' 1'

## MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
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<tr>
<td>10</td>
<td>12</td>
<td>42</td>
<td>36</td>
<td>18</td>
<td>5/10</td>
</tr>
</tbody>
</table>

- **pH:** 8
- **SD:**

- **MUD ADDED:** None

## BIT TABLE

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WDB</th>
<th>RPM</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>8 1/4</td>
<td>F-O</td>
<td>6895</td>
<td>388065</td>
<td>155</td>
<td>2634</td>
<td>1000</td>
<td>30</td>
<td>65</td>
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</tbody>
</table>

## REMARKS

- **3 - TRIP OUT FOR LOGS**
- **4 - LOGGING FROM 7030 TO 7050 SONIC, DENSITY, LIPMETER**
- **4 - TRIP IN - NO DRILL**
- **2 - CIRC**
- **1 - TRIP OUT**

## COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>4,35</td>
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<tr>
<td>WTR</td>
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</tr>
<tr>
<td>MUD</td>
<td>0</td>
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<tr>
<td>DAILY</td>
<td>2,700</td>
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<tr>
<td>TOTAL</td>
<td>10,379</td>
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</tbody>
</table>

- **10%**
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Peace Petroleum 11-14

Operations: Logging AT 3550 Ft. W/Bit # ____________ Footage Past 24 Hr. __________

Surveys: __________

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>Viscosity</th>
<th>WL</th>
<th>PV</th>
<th>VP</th>
<th>1B</th>
<th>Gels</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>42</td>
<td>42</td>
<td>36</td>
<td>18</td>
<td>18</td>
<td>8/10</td>
<td>10</td>
</tr>
</tbody>
</table>

PH: PPM 5000 CAKE 2/32 30-13 %

SD: TR % OIL % CA 20 PF/MP

MUD ADDED: None

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
</table>

REMARKS: 3 - TRIP OUT FOR LOGS

21 - Logging

(1) Can Kent Tester Missed

(2) Velocity Survey

(3) Formation Tester

3A95 161.19 670.36 Successful at 661.19'

(4) 30 Shot Core Barrel

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
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</thead>
<tbody>
<tr>
<td>Rig/Ft.</td>
<td>6735</td>
</tr>
<tr>
<td>WTR</td>
<td>0</td>
</tr>
<tr>
<td>MUD</td>
<td>0</td>
</tr>
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</table>

Daily: 2760

10% 944

TOTAL: 1029 658,530

6735
DAILY DRILLING REPORTS

Date: 4-25-81
Spud

Well Name: Foss-Cochran 11-14
County: Wallowa
State: Oregon

Operations: TRIPPING AT 3000 Ft. W/Bit # 1008 Past 24 Hr. - 10 -

Surveys

MUD CHECK

<table>
<thead>
<tr>
<th>WT 10</th>
<th>VIS 3</th>
<th>WL 4</th>
<th>PV 38</th>
<th>YP 52</th>
<th>GELS 6/3</th>
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<tbody>
<tr>
<td>PH 10</td>
<td>Prm</td>
<td>Cl 500</td>
<td>CAKE 2</td>
<td>1/2,50</td>
<td>13 %</td>
</tr>
<tr>
<td>SD TR % OIL</td>
<td>% CA 20</td>
<td>PTF/MF</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

MUD ADDED: 35-DR 8-COSYXIN 8-DR
3-2 PUSTLE 2-TORG

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>13</td>
<td>2-3/4</td>
<td>M400</td>
<td>7050</td>
<td>10</td>
<td>10/4</td>
<td>1000</td>
<td>500</td>
<td>96</td>
<td>4/4</td>
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<tr>
<td>1522</td>
<td>8-3/4</td>
<td>16511</td>
<td>7050</td>
<td>98321A</td>
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<td></td>
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</tbody>
</table>

REMARKS

3-LOGGING

3 1/2 - TRIP IN

10 3/4 - 6 750 - 7060

S 1/2 - TRIP OUT

1/4 - R.S.

1- TRIP IN

COST SUMMARY

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<td>WTR</td>
<td>0</td>
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<td>MUD</td>
<td>1047</td>
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<tr>
<td>DIA</td>
<td>2400</td>
</tr>
<tr>
<td>TRC</td>
<td>2600</td>
</tr>
<tr>
<td>SCAN</td>
<td>62903</td>
</tr>
<tr>
<td>%</td>
<td>9.899</td>
</tr>
<tr>
<td>TOTAL</td>
<td>93584</td>
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</table>

---


DIAMOND'S ROYAL CORP.

DAILY DRILLING REPORTS

Date: 4-30-81
From: 4-1
E.W.: 10/1.1

Well Name: 

County: 
State: 
Spud:

Operations: 

Footage: W/Bit: 
Past 24 Hrs.:

Surveys:

MUD CHECK

WT: 1.55
VIS: 30
WL: 42
PV: 38
YP: 20
GELS: 5/10

pH: 10
CI: <500
CL: 1/2
CA: 20

% OIL: % CA:

MUD ADDED: 35-40

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6584</td>
<td>8-3/4</td>
<td>HSS 1</td>
<td>7000</td>
<td>96328197</td>
<td>5</td>
<td>7</td>
<td>1500</td>
<td>27</td>
<td>17</td>
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</table>

REMARKS:

1-1/2 - Running Jam
1-1/2 - Waited 10’ to Set Down
4 - 6-2 Gal.
4-1/2 - Large Cut
1/2 - Cut & Shibe
8 - 11’ C.B.
1 - Host to 2’ 3/4”
3 - O.B.

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Ftg.</td>
<td>6735</td>
</tr>
<tr>
<td>WTR</td>
<td>0</td>
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<tr>
<td>MUD</td>
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</table>

TOTAL 10,877 753,976
DAILY DRILLING REPORTS

Well Name: Boise Passade 11-14
County: Malheur, Oregon
Operations: AT 3100 Ft. W/Bit #14
Footage: Past 24 Hr. 35'

Surveys:

MUD CHECK
WT: 10.5
Vis: 72
WL: 42
PV: 40
VP: 28
GELS: 5/11
PH: 15.5
Ppm: 500
CI: CAKE@ 1/32 Sol.
SD: Re:
% Oil: %CA: 20
PF/MF:

MUD ADDED: 3-PARCIN 3-CARBONEX 2-STEELIS

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
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<tbody>
<tr>
<td>14</td>
<td>2 3/4</td>
<td>S33S</td>
<td>3005</td>
<td>995453</td>
<td>35</td>
<td>43/4</td>
<td>1100</td>
<td>25</td>
<td>65</td>
</tr>
</tbody>
</table>

REMARKS:
- 5/4 - W.O. Clean Basket
- 3 - Trip in 14 Basket
- 3/4 - Wash over Junk
- 1/2 - Trip Out - Recovered 10%
- DO Junk
- 3/2 - Trip in Bit #14
- 1/4 - Wash 60' to return
- 4' Fill
- 1 3/4 - 6 Had some Junk Under Bit for 1/2

COST SUMMARY

<table>
<thead>
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<th>DAY</th>
<th>CUM</th>
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<tbody>
<tr>
<td>Rig/Flg.</td>
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<tr>
<td>WTR</td>
<td>0</td>
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<tr>
<td>MUD</td>
<td>257</td>
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<tr>
<td>DAILY</td>
<td>2300</td>
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<tr>
<td>TOTAL</td>
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</table>

WOB | RPM
DIAMOND MROCK CORPORATION

DAILY DRILLING REPORTS

Day: 4-28-87
From Spud: 49

Well Name: Bozor Cascade 11-14
County: Custer
State: Oregon

Operations: 
Footage: 735' W/Bit # 14 Past 24 Hr. 27'

Surveys:

MUD CHECK
WT: 10.4
VIS: 7
WL: 4
PV: 38
YP: 22
GELS: 6

pH: 10
PM: 1500
CI: 0
CAKE: 0
/32 Sol: 13

SD: 4
% OIL: 20
% CA: 20
PF/MF:

MUD ADDED:
1 - CAUSTIC
7 - BAROXIN
3 - CARBOXIN

3 - CELLUZ

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
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<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tr>
<td>14</td>
<td>8</td>
<td>5235</td>
<td>7065</td>
<td>18545 3</td>
<td>273</td>
<td>27/6 1100</td>
<td>25</td>
<td>65</td>
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</table>

REMARKS:

12 - 0
1/4 - R.S.
E 1/4 - 0

1 - Balled Bit
2 - 0

COST SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>DAY</th>
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</thead>
<tbody>
<tr>
<td>Rig/Trg.</td>
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<tr>
<td>MUD</td>
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<td></td>
</tr>
<tr>
<td>TOTAL</td>
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</tbody>
</table>
Well Name: Boise Cascade 11-14
County: Latrobe, Oregon
Operations: Trip Out At 7,406 Ft. W/Bit #14 Footage
Past 24 Hr.: 08

Surveys

MUD CHECK
pH: 10 Pm: CI: 700 Cake: 2 /32 Sol: 13%
sd: 1/4 % Oil: % Ca: 20 Pp/Mf:

MUD ADDED: 0.5 GEL 5% CAUSTIC 10-00-10
7% QBOXIN 10-00-10

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tr>
<td>14</td>
<td>8-1/4 S33S</td>
<td>7065 98518</td>
<td>341</td>
<td>37.6</td>
<td>1100 25 65</td>
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<td></td>
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</tbody>
</table>

REMARKS
10 - 
8-1/4 Bit Balled, PCH
10 TIDE, Tight, 1st
Cost
8-1/4 Rem. 7 Tides
1/2 Circ. Bottoms Up
1/2 - T.G.H

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Pipe Moves Free 1/6 Pump, W/ Pump
Cannot Rotate or Move Pipe Up & Down
DAILY DRILLING REPORTS

Date 4-30-81      Day From Spud 51 E.W. 6601
Well Name Boise Cascade 11-14  County State PLATTE / OREGON
Operations  0' AT 3450 Ft. W/Bit # 15  Footage Past 24 Hr. 44

Surveys

MUD CHECK
WT 104 Vis 72 WL 44 PV 40 YP 21a GELS 1/12
PH 10 Pm C1 300 CAKE 2 /32 Sol 13 %
SD 1/4 % OIL 16 % CA 28 PF/MA

MUD ADDED: 12 - BAR 10 - GEL 4 - CAUSTIC 3 - GIBRAXIN 3 - KCL 10 - DMS

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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<tbody>
<tr>
<td>15</td>
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<td>DTL</td>
<td>3406</td>
<td>BK1940</td>
<td>44</td>
<td>0</td>
<td>1100</td>
<td>25</td>
<td>65</td>
</tr>
</tbody>
</table>

REMARKS

2 - TOH
1/4 - ST
3 1/4 - TOH
2 1/2 - CUT Ø LINE
2 1/2 - TIH D BIT # 15
1 1/2 - FT TIH
5 3/4 - WASH 180' TO BOTTOM
15' FILL - TRY WORKING BALL OFF BIT

COST SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/fig.</td>
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<tr>
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<tr>
<td>MUD</td>
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<tr>
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<td>1095</td>
<td>1095</td>
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<td>TOTAL</td>
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<tr>
<td></td>
<td></td>
<td>750</td>
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10 - Ø
DAILY DRILLING REPORTS

Well Name: Boise Cascade 11-14

County: Clatsop
State: Oregon

Operations: Trip Out At 1552 Ft. W/Bi# 15
Footage: Past 24 Hr. 102

Surveys

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>V</th>
<th>W</th>
<th>PV</th>
<th>VP</th>
<th>OIL</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5</td>
<td>74</td>
<td>4</td>
<td>42</td>
<td>190</td>
<td>1/2</td>
<td>1/2</td>
</tr>
</tbody>
</table>

PH 10
C1 700
CAKE 2

SD % OIL % CA 20

MUD ADDED: 10-GEL 6-CROSTIC 10-QUICKIN 9-CEIX

4-DMS

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>8 3/4 DTJ</td>
<td>7406</td>
<td>B09941</td>
<td>146</td>
<td>28</td>
<td>1100</td>
<td>30</td>
<td>60</td>
</tr>
</tbody>
</table>

REMARKS

5'-0"
1/4 - R.S.
6'/0"
1/4 - R.S.
10'/4 - 0"
1/2 - SURVEY
1 - Trip Out For Bit

COST SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
</table>
Rig/Fig | 6725 | 334,540 |
WTR | 0 | 2,495 |
MUD | 1213 | 41,529 |
DAMT | 2700 | |
10% | 1035 | 1035 |

TOTAL 11823 814,477
DIAMOND SMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-2-81  Day From 53 E.W. 6 601

Well Name Boise Cascade 11-14

County Plattsburg Oregon

Spud  Footage

Operations AT 1639 Ft. W/BIT: 12IRR Post 24 Hr. 80

Surveys 7552 - M-MLRUN

MUD CHECK

WT 104

VIS 71

WL 42

PV 41

YP 20

GELS 6/11

PH 10

Pm 700

CAKE 2

/32 SOL 13

SD 1/4

% OIL 20

% CA 80

PF/MA

MUD ADDED: 7-BAR 6 - ECIL 5 - GBRCXIV 5 - CAUSTIC

1 - NFEA

BIT NO. SIZE TYPE DEPTH IN SER NO. FT. MADE TOTAL HRS. RUN PUMP PRESS. WOB RPM

1022 8 3/4 F-D 7552B1852 80 1 1/2 1100 15 65

REMARKS

2 - T.O.H

4 - T.S.

1 1/4 - T.O.H

4 - T.L.H

S - WASH 270 TO 1330

11/8 - Q

COST SUMMARY

DAY CUM

Rig/Trg 10735 341,275

WTR - 0 - 2,685

MUD 425 42,234

DAY 2300

10% 1014

TOTAL 11,154 825,431
DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-3-81    Day 5-4    E.W. #6001

Well Name ROUSE RASCASE 11-14
County Clatsop, Oregon
Operations circulated at 1743 ft. W/Bit # 14/24 Past 24 Hr. 111

Surveys

MUD CHECK
WT  10.4     VIS  74     WL  43     PV  32     YP  20     GELS  6/4
Ph  9.5      Pm       Cl  700     CAKE  2      /32 Sol  13
SD  14       % Oil  20      % Ca  20     PF/MF

MUD ADDED: 5-GEL 8-GEB20XIN 8-CCU 8-CRUSTIC

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>12R</td>
<td>8-1/2</td>
<td>F-2</td>
<td>7552</td>
<td>BH248</td>
<td>191</td>
<td>32-1/4</td>
<td>100</td>
<td>20</td>
<td>65</td>
</tr>
</tbody>
</table>

REMARKS

1/2 - φ
2 - CIR Samples
1 - 1/2 φ
1/4 - T.C.S.
9 1/2 - φ
1 - CIR Samples

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rig/Ftg</td>
</tr>
<tr>
<td>WTR</td>
<td>0</td>
</tr>
<tr>
<td>MUD</td>
<td>848</td>
</tr>
<tr>
<td>DAILY</td>
<td>2300</td>
</tr>
<tr>
<td>10%</td>
<td>102.8</td>
</tr>
<tr>
<td>TOTAL</td>
<td>11,311</td>
</tr>
</tbody>
</table>

φ BRIC 7611 - 7618 140 Units GAS
BACK TO 40 IN Siltstone 75 Unit
Good Gas

φ BRIC 7721 - 7743 140 Units
BACK TO 100 FINE GR SAND
DIAMOND O MROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Boggs Cascade 11-14
State: QUATROON / OREGON

Operations: 0
Footage at 784.6 Ft. W/Bit 1
Past 24 Hr.: 103

Surveys:

MUD CHECK

WT: 10.4
PV: 4.6
VOL: 4.7
GELS: 3/15

MUD ADDED: 8-CAUSTIC, 13-OPROXIN, 12-SEC, 3-DMS

BIT NO. SIZE TYPE DEPTH IN SER. NO. FT. MADE TOTAL HRS. RUN PUMP PRESS. WOB RPM

| 1284 | 3/4 | F-2 | 7552 | BHP | 294 | 56/4 | 1100 | 30 | 65 |

REMARKS: 24-0

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fig.</td>
<td>6335</td>
</tr>
<tr>
<td>WTR</td>
<td>0</td>
</tr>
<tr>
<td>MUD</td>
<td>1395</td>
</tr>
<tr>
<td>DAILY</td>
<td>2700</td>
</tr>
<tr>
<td>10%</td>
<td>1083</td>
</tr>
<tr>
<td>TOTAL</td>
<td>11913</td>
</tr>
</tbody>
</table>


DIAMOND ROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: Boise Cascade 11-14
State: Oregon
Country: United States
County: Clackamas
Operations: 

Footage: AT 7855 Ft. W/Bit # TRR Past 24 Hr. 9

Surveys:

MUD CHECK
WT 10.4  VIS 7.4  WL 4.0  PV 4.0  YP 30  GELS 6/11
PH 10.0  PPM 600  CAKE 0.0  32-50  13.0
SD 7/4  % OIL % CA 30  PPM

MUD ADDED: 10 BAR 4 - QBROXIN 4 - CEL10

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1126</td>
<td>8 3/4</td>
<td>C-2</td>
<td>78416</td>
<td>B-1483</td>
<td>9</td>
<td>2/4</td>
<td>1500</td>
<td>30</td>
<td>60</td>
</tr>
</tbody>
</table>

REMARKS

1 - T.O.H.
3 - T.I.H. TO 7482
3/4 - DASH FROM 7482 TO
6/4 - RIGHT SIDE OF

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
<th>COSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fig</td>
<td>6735</td>
<td>3601.480</td>
</tr>
<tr>
<td>WTR</td>
<td>0</td>
<td>2.195</td>
</tr>
<tr>
<td>MUD</td>
<td>332</td>
<td>44.849</td>
</tr>
<tr>
<td>DAY</td>
<td>24160</td>
<td></td>
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<tr>
<td>TOTAL</td>
<td>10788</td>
<td>859643</td>
</tr>
</tbody>
</table>

5 - 25 Std Short Trip Slight Drag 1st, 3rd, and 13th Std. Back to Return = No Fill
2 1/4 - 9
DAILY DRILLING REPORTS

Date: 5-16-81
Spud: 5-2

Well Name: BRICE PASSAGE W-14
County: CLACKAMAS
State: OREGON

Operations: LOGGING AT 7864 FT. W/Bit # TR2, Pass 24 Hr. 9

MUD CHECK

WT 104
PH 10
SD 12

PVT 40
VP 30
GP 2
GELS 6/12

MUD ADDED:

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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</thead>
<tbody>
<tr>
<td>7RR</td>
<td>8 3/4</td>
<td>F-D</td>
<td>7846</td>
<td>31462</td>
<td>18</td>
<td>3 1/2</td>
<td>1000</td>
<td>60</td>
<td>60</td>
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</tbody>
</table>

REMARKS

1/4 - 2
2 1/4 - 2 1/2 TON FOR LOGS
12 - LOGGING - Sono
FCC-2 - 2 NL UPGRADE
DIPMETER 7863 - 7860

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Flg.</td>
<td>6:35</td>
</tr>
<tr>
<td>WTR</td>
<td>21.95</td>
</tr>
<tr>
<td>MUD</td>
<td>44.549</td>
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<td>TOTAL</td>
<td>16.535</td>
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</table>

TOTAL COSTS: 87,035
DAILY DRILLING REPORTS

Date: 5-7-81

Well Name: Boss Cascade 11-14

County: Clatsop

State: Oregon

Operations: L.D.D.P. at 7864 ft. W/Bit # 0

Footage: 0

Surveys:

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VIS</th>
<th>WL</th>
<th>PV</th>
<th>SP</th>
<th>VP</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°</td>
<td>10°</td>
<td>10°</td>
<td>4°</td>
<td>38</td>
<td>20</td>
<td>0/12</td>
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</table>

MUD ADDED: None

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
</table>

REMARKS

8.51 - D.O. Schluemberger
5.14 - Coring
4 - T.I.H.
1 - Wash 60' to Bottom
DO FILL
3 - 0133.2
2.4 - T.O.H. L.D.D.P.

COST SUMMARY

<table>
<thead>
<tr>
<th>Rig/Flg.</th>
<th>WTR</th>
<th>MUD</th>
<th>DAY</th>
<th>CUM</th>
</tr>
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<tbody>
<tr>
<td>6735</td>
<td>0</td>
<td>0</td>
<td>6735</td>
<td>6735</td>
</tr>
<tr>
<td>3449</td>
<td>0</td>
<td>0</td>
<td>3449</td>
<td>3449</td>
</tr>
<tr>
<td>2300</td>
<td>0</td>
<td>0</td>
<td>2300</td>
<td>2300</td>
</tr>
<tr>
<td>944</td>
<td>0</td>
<td>0</td>
<td>944</td>
<td>944</td>
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</table>

TOTAL: 10379 884,401
DIAMOND MROCK CORPORATION

DAILY DRILLING REPORTS

Well Name: BEUSE CREEK, 11-14
State: CLACKAMAS, OREGON
Operations: D.C., 1st String, AT 38.44 Ft. W/Bit #1 Footage: Past 24 Hr.

Surveys:

MUD CHECK

WT  VIS  WL  PV  YP  GELS
pH  Pm  CI  CAKE  %
SD  % OIL  % CA  PF/NF

MUD ADDED:


<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
</tr>
</thead>
</table>

REMARKS:

COST SUMMARY

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>DAY</td>
<td>CUM</td>
</tr>
<tr>
<td>Rig/Flg.</td>
<td>4,735</td>
<td>58,148</td>
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<tr>
<td>WTR</td>
<td>0</td>
<td>2,695</td>
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<tr>
<td>MUD</td>
<td>0</td>
<td>4,049</td>
</tr>
<tr>
<td>Daily</td>
<td>2,700</td>
<td></td>
</tr>
<tr>
<td>Casings</td>
<td>4,554</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>11,008,989</td>
<td>97,389</td>
</tr>
</tbody>
</table>

8 1/4 - 1 ADD. D.C.

9 - RIG UP Casings &
T. 1 1/2" W/ 5/8"
GUIDE SHOE .95
1ST 17° 0-30 WTS 47.43
2ND CARRIER 1.55
2ND 17° 0-30 WTS 95.09
3RD 3 1/2° 0-30 WTS 17.65
4TH 3 1/2° 0-30 WTS 3.00
HEAVY CARRIER 3.11
10TH 3 1/2° 0-30 WTS 43.19
ADDED AT 49.64', D.C. TOOL @ 4,335 NAV
2 1/4 - RIG UP HEAVY - cement 1ST STAGE @ 665 SLT.
CLASS "C" @ 200 cfs, "A" @ 200 cfs.

GOOD RETURNS - PLUS HD

4 - OPEN D.C. CARRIER Pipe D.C.
RCP 914, 097
ACP 83,292
CUM 97,389
DAILY DRILLING REPORTS

Well Name: Boise Cascade 11-14
County: Clatsop
State: Oregon
Spud Footage: 0
Rigging Down At: 7864

Surveys

MUD CHECK

<table>
<thead>
<tr>
<th>WT</th>
<th>VI</th>
<th>WL</th>
<th>PV</th>
<th>YP</th>
<th>GELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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MUD ADDED:

<table>
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<tr>
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<th>TYPE</th>
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<th>SER. NO.</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>PUMP PRESS.</th>
<th>WOB</th>
<th>RPM</th>
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</thead>
<tbody>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REMARKS

2 Circ For 2nd Stage
1 1/2 Cmt 2nd Stage 1/1
350 SYS Class G 1/1
2% CaCl2, Good Results
During Cement Operation
12 1/2 Nipple Down BCP's 1
Clean Mud Tanker
Rig Released @
10 P.M. 5-8-81

COST SUMMARY

<table>
<thead>
<tr>
<th>DAY</th>
<th>CUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig/Fig</td>
<td>46 1/2</td>
</tr>
<tr>
<td>WTR</td>
<td>0</td>
</tr>
<tr>
<td>MUD</td>
<td>0</td>
</tr>
<tr>
<td>Daily</td>
<td>500</td>
</tr>
<tr>
<td>Halliburton</td>
<td>798.3</td>
</tr>
<tr>
<td>Cmt 1</td>
<td>1338.5</td>
</tr>
<tr>
<td>Cmt 2</td>
<td>4210</td>
</tr>
<tr>
<td>10 1/2</td>
<td>36.9</td>
</tr>
<tr>
<td>TOTAL</td>
<td>33,432</td>
</tr>
</tbody>
</table>

BCP # 914,097
ACP 116,724
Cum 1,030,821
5-18-81

Bruce Cascade 11-14  ATD 6601

Finished E.H. Taylor Rigs #2 and

BCP  94,097
ACP  116,724
sum  210,821
5-19-81

Beize Cascade 11-14

ATD 6661

Finished R. L. Taylor #2. Repaired motors.

Dipped up B.C.P. & tested.

Costs:
- Rig. 2500
- Tank 30
- Total 2530

B.C.P. = 914,697
N.C.P. = 119,254
Cum. = 103,3351
Ticking up, Strapping & Tripping
in hole with 134' to 2/3 8" tubing to 4231' KB. Tagged plug at 4231' KB. Did not have elevators to pickup Polder Sizdel SD

Rig 2500
Tanol 30
Rental 500
Day 2300

BCP = 914,087
ACD = 122,554
Cum = 1,036,651
Boise Cascade 11-14

1/4 size amp joint swivel
1 No. 6 bull bite
4 1/2, drill plug & drive collar
1 1/4 TIEH to 7285', Z-12 cement
2 Replace mud in 1 1/2 hole
1 1/2, drill out 7285'-7332', 500 ft more

Rig 2500
Rental 500
Tank 30
Day 3030

BCP = 714,097
ACP = 125,314
Cum = 1039,411
Drill cement from 1235' - 1880' and
Circulate hole for 2 hrs. Trip out odd hole.
Running cement bond log this AM.

Rig 2500
Rental 500
Tank 30
3030

BGP = 914,097
ACP = 128,344
Cum = 1,042,441
Finished of our cement.
5-24-81

Boise Passengers 11:14 AM

Picked up halo E105 packer 100 ft. Tripped

In hole with 235 ft. 2 3/8" tubing set

Packer at 344 ft. Rigged up swab unit 1

Start pull down to 6000' Swabbing

1 P.M.

Rig 2500

Pentol 300

Petro-Ind 1300

Tank 30

Day 4530
5-25-81

Rig Passade 11-14

ATC (6000)

* Rigged up Petrolog and Perforated *

Return Zone as follows:

Said no increase in pressure.

Trip Pipe: Collars Out of Hole with Wireline and Tripped in with Shaker.

BFL @ 16000'. Swapped Shaker with Fluid Level Remaining at 6000'. Swapped Well Down To 6000' (Total Sand Line) And Fluid Level Remained There. 1-00, Entry.

For total of 14 BBL Water, 01-06-81 11,000 ppm. Hole was filled with 3% KCL to 12,000 ppm.

SWIFID

1,000

Fig. 1500

Rental 400

Petrolog 4200

Tank 30

7130
5/3/81

Boise Cascade 11-14 ATO 6601

TP 3.75 ±

Open well up, flowed in steel for
1½ hours. removed 2 LPT. Return
and. let swat to 6600 the 1st
Will. Will pump acid thru 8'6".
Gas will burn.

The 3500
Rental 500
Tank 30
3030

BGP = 914.097
ACP = 150.984
Cum = 1065.081
S-27-81

BEQUE CASCAD 11-14  ATD (WCO)

YESTERDAY

T. P. = 860'

BLEW WELL DOWN TO 0' IN 15 Min - COULD NOT GET RATE. RAN IN SIDAB LINE = NO FLUID AT 4950'. LEFT WELL OPEN WHILE CHANGING OUT SAND LINE. WELL MADE VERY LITTLE GAS ALL DAY APPROX 10,000 CF/DAY.

WILL SWAB WELL DOWN TO 4446' THIS A.M. AND ACIDIZE.

CONS. 500

RIG 2500

Rental 400

Pit & Log 1500

Tank 50

Day 4950

BOP = 55,000 miss (fuel+trucking)

\[ \frac{914,097}{969,097} \]

ACP 155,934

Cum 125,031
DOIZ (CASCAD 11-14) AD - 6601
TIP = 495# BLEO WELL DOWN (WENT ) IN WITH SWAB = NO FLUID AT 7400'.
RIG UP HALCO / ACIDIZED DOWN 2 3/8''
TUBING WITH 3500 GAL 7.5% MCA ACID,
5% MUCOL A .5% CLA-STA / CORROSION
INHIBITORS, FLUSHED WITH 1344 GALS 2 1/2% RCL
WATER. (Pumped +5 BALL SEALERS)
TOOK 38 BBL'S ACID TO LOAD HOLE AT
3200#. BUILT UP TO 4200# BROKE BACK
TO 3850#, GRADUALLY BUILT BACK TO 4000#.
AVE. RATE 1 3/4 B.P.M. MAX PRESS = 4500#
AVE PRESS = 3900 - BALL ACTIEN BUT NO FALLOFF
TIP = 3850
S110min = 3800
FLOODED WELL BACK / SWABBED TO 6400' )
REC: 30 BBL FLUSH + 40 BBLS ACID.
44 TD AT 3W1F0

0 = 300
Rig = 9500
Pump = 500
Pit 1500
Tank = 50
Halo = 8000
Day = 12,850

BCP = 969,687
ACP = 168,784
Cum = 1,137,881
5-29-81

Burr (Resid.) 11-14  A.M. 10:00

TP = 1100#; Bleed well down to 3000.

R.U. to Swab; RFL @ 1400; socialism well
down to 4000; fluid level holding at
4000.

Jig. 36' hills, acid; 6 belts.

Had 3' flare out of 2' line all day.

Gas too small to measure.

This A.M. TP = 1125#

RFL @ 4100.

| (Gas | 500   |
| Rig  | 2500  |
| RENTAL | 300   |
| Pipe Leg | 1500  |
| Tank  | 50    |
| Day   | 4850  |

RCP = 969,697

ROP = 173,634

Sum 114,2731
5-30-81

Ricko Cascade 11-14

A1B (AlCl)

TIP = 1125# Bled to 0# in 30min.

BFL @ 6700'. Made 2 Swab Runs - REC 1 BBL

ACID: 5 BBL.

Loaded Tubing @ 2% KCL Water 4 gal

1000 CHA-STA, 1 gal/1000 Pen S. Released

Packer T.O.H. with Tubing

R.U. Petro-Log @ Set Past Iron Bridge

Plug @ 4545' @ 24k's Cement on Top

R.U. Packer @ T.O.H. @ 608 k's 9 7/8"

Tubing, set packer @ 6591', R.U. Swab

Swapped Well Down to 6500'

Sufer

<table>
<thead>
<tr>
<th>Code</th>
<th>500</th>
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</thead>
<tbody>
<tr>
<td>Rig</td>
<td>2500</td>
</tr>
<tr>
<td>Rental</td>
<td>300</td>
</tr>
<tr>
<td>Petro-Log</td>
<td>3000</td>
</tr>
<tr>
<td>Tank</td>
<td>50</td>
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<tr>
<td>Day</td>
<td>6350</td>
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</tbody>
</table>

BCL = 967,697

ACD = 139,984

Cum = 1149,081
R.U. SWAB. SWABBED WELL DOWN TO 5000'. R.U. PETRO-LOG. PERF. 1 SHOT/FT

1 1/4" TUBING - GUN AS FOLLOWS:
6800 - 6808
6790 - 6796
6763 - 6768

NO GAS - NO PRESSURE.

R.D. PETRO-LOG. R.U. SWAB. BFL: 5000'. HAD GAS TO SURFACE BEFORE PULLING 1ST SWAB ROD. SWABBED WELL DOWN TO 6700'.

EST. 20000 CFPD. SHUT DOWN SWAB UNIT TO RE-WRAP SAND LINE.

SWIFEN

THIS A.M. TP: 425#

Costs 500
Rig 2800
Rental 300
Petro-Log 5000
Tank 50

SAY 8350

BGP = 769.09#
ACP = 128,334
Cum = 1,157,431
Boise Cascade 11-14
ATD 6100
TP = 485# R.U. Swab TFL @ 6000'
Made 1 Swab Run @ 6000'. Waited 2 hrs FL @ 6500'. Swabbed down to 6000'. REC. Less than 1 BBL very heavy & mud. Closed well in.

This A.M. TP = 375#. TFL @ 6500'
Will break well down this A.M.

(Oil. 500
Rig 2500
Rental 300
Petro. Log 1500
Tank 50
Day 4850)

ROP = 969.094
ACQ = 193.184
Cum = 1162.281
Base Cascade 11-14

ATD 6:00

TP = 435 #. Bleed well down to 0 in 10 min. R.U. Swab. BFL @ 6500'. R.U. HALCO and Airlift @ 1000 gal. mud 10:1 - 5% Muscol-A, 0.5% HC-S, 0.5% PLA-STA II, 0.0% Pen-S. Total acid = 24 BBL. 25 BBL sealers. flushed with 20% KCL - 29 BBL. Total load to REC = 53 BBLs.

Avg Rate 13/4 RPM

Max Press = 3500 Min Press = 2600 Ave = 3200

1SIP = 3100

10 min = 3000. Bleed well down in 10 min. R.U. Swab. BFL @ 4000'. Swabbed well to 6500'. Rec 50 BBL water & acid.

SWIFI

This A.M. TP = 900#. Bleed to 0 in 15 min. Very weak. 2' flare out of 2' line on.

7/4' rough. BFL @ 6500

Cups = 500

Big = 3500

Pental = 300

Tire Loc = 1500

Tank = 50

HALCO = 9500

BOP = 969,097

BOP = 205,534

Cum = 1,144,631
Boee: Passage 11.14

TP = 900 #. Bled well down to O# in 15 min. Gas recorded 1# on 1/4" orifice = 11,250 ft³/day.

Load hole @ 20% KEL. Release Parker.


SDFN

Pons 500
Rig 2800
Pittal 300
Petro-Log 2500
Tank 50

DAY 6150

RCP = 969.094
ACR = 211.484
Cum = 1,180.781
Boise Cascade 11-14  #1D (6601)

Placed 200' cement on top of air.

@ Wireline Pump Railer, "P.U. Tests" @ T. H.

@ 304 JTS 3 ½" tubing. Set packer @ 6465'

Swabbed well down to 5000' and shut well.

@ 1" tubing gun (Shot/ft as follows):

6690-6676
6673-6668
6664-6655

No pressure - No Gas.

R.H. to swab, BFL@ 3500'. Swabbed well
down to 6400'. Last run rec. 2.1 bl. very gas
out of mud. Well was making 1-2' very
weak flare. .95# on ¼" orifice plate =
8.5 mcfd.

BFL @ 6400'

BID

This A.M. TP: 400

Cons.

500

Rig

2800

Rental

300

Petro-Log

5500

Tank

50

Day

9150

BEP 969,097

BEP 220,834

num 1189,931
Bohse Cascade 11-14
ATD 6/101

T = 400°F, Bled (well down to 0°F)
in 15 min. E.W. Swab. BFL @ 5500'
Scarred well down to 6400'. Rec. 3.3 Bbl
Water & mud. Tested well - making
8.5 mffpd.

S.W.I. O.O. Haliburton

Cons 500
Rig 2500
Rent 300
Petro log 1500
Tank 50
Day 4850

BOP = 969.097
Act = 225.684
Cum 1,194,781
Price Cascade 11-14

ATD: 1600

(7 = 525, tied to O in 10 min. BFL)

# 6300' R.U. Hacon

1 Acidized with 1500

Gals. Mod 101 Acid containing 5% Muscul

and 0.5% Cla.sta T, 0.2% Pen #5 in

Inhibitor. Total Acid = 36 Bbl. Flushed

29 Bbls 2% KCl H2O. TBLTR = 65.

Max Press = 3800 Min Press = 3600

Ave Press = 3500 Ave Rate = 0 RPM

Good Ball Action

TSIP = 3000

10 min = 2900 Bld well to O in 5 min.

accum. well 2000 to 5500', rec 50

Bbls spent acid. Well still making

approx. 8.5 mcfpd, 2FL @ 5900'

5000 is 15 Bbls

Cons 500

Halo 10,000

Rec 300

Petrol 1500

Tank 50

Day 12,350

BOP = 969,094

ACD = 248,034

Cum = 1217,131
6-7-81

PleaseASCONE 11-14
ATD (160')
TP = 345. Bled well down to 0".
On 1/4" choke in 10 min. R.L. Swab. BFL =
2400. Swabbed well down to 5900', making
3 bbl/hr. Fresh water. Rec. 4.4 bbls.
29 bbls over load. Still making 8.5 m.g.p.

310150

This A.M. TP = 375#

Cons 500

(2 days) → Rig 5000
Petro. Lea. 1500
Rental 300
Tank 50
Day 7350

Rec = 969.097
Acq = 255.384
Num 1224481
BOISE CASCADE 11-14

(6-8-81)

SITP = 375 #
BLEW WELL DOWN.
SWAB TESTED
RF @ 3400'
RECOVERED 40 BBLS WATER
C1 = 0 RECEIVED FORMATION WATER
RF @ 5900', MAKING 3 BBLS/HR
+ LOAD = 69 BBLS
GAS IS TOO SMALL TO MEASURE
SWIFN

RIG 2500
RENTAL 300
TANK 50
DAIY 2850

BCP 969,097
ACP 258,234
Cum 1,227,331
Boise Cascade 11-14  ATD-6601

6-9-81

SIP = 375 #

Blew well down in 5 minutes.

Loaded hole w/ 2'/20 KCl water.

Released packer and tripped out.

Set CIBP @ 6500' KB.

Dumped 2 cys cement on top of

Bridge Plug via Wireline Pump

Bailer.

Tripped in w/ 117 joints 2 3/8" tubing.

Laid down 117 joints 2 3/8" tubing.

Shut down for night.

Rig 2500

Rental 300

TANK 50

Daily 2850

RCP 969,097

AEP 261,084

Cum 1,230,181
Boise Cascade 11-14  ATD-6601

6-10-81

Nipped down Bop's 7" tubing head.
Rigged up casing tools.
 Attempted to pull casing slips.
But rig clutches were slipping at 100,000 #.
Attempted to cut casing off @ 3810'KB.
DID NOT CUT OR CASING IS STUCK ABOVE 3810'KB.

Adjusted clutches and pulled casing slips at 120,000 #. Casing string then weighed 85,000 #.
Shut well in for night.

Rig 2,500
Rental 300
Tank 50
Petrolog 6,000

BOE 967,097 Daily 8850
ACE 269,934
Cum 1,239,031
Boise Cascade 11-14

6-11-81

RAN FREE POINT
30° FREE @ 5,000'
80° FREE @ 2,600'
100° FREE @ 2,000'

CUT CASING @ 2,600', COULD NOT PULL CASING.

CUT CASING @ 2,000', PULLED CASING. RECOVERED 49 JTS + CUTOFF.

SWIFN,

RIG 2500
RENAL 300
TANK 50

BOP $969,097
PITON 5,000
ACR 277,284 $7850
Cum 1,246,881
Boise Cascade 11-14 Atd-6001

6-12-81

Tripped in with 2 3/8" tubing to

2054' KB.

Mixed 200 Buck 10.5 # mud, 350 SRS Bar

Displaced hole with mud, Swifn.

Rig 2500

Rental 300

Tanks 50

Mud 3850

Howco 2000

Daily 8700

Bop $969,097

Acc 2,864,484

Cum 1,255,381
Boise Cascade 11-14 ADQ-6601

6-13-81

SIP = 0

Circulated 2 Hours

Spot 55 sys class 6'

290 CaCl₂ from 2,054' to 1904'

Lay Down 2 3/8" tubing

Spot 75 sys class 6'

290 CaCl₂ from 821' to 621'

Lay Down rest of tubing

SWF

Rig 2,500

Rental 300

Tanks 50

Howco 4,000

Daily 6,850

RCP 969,097

ACP 293,334

Cum 1,262,431
Boise Cascade 11-14  #60-6601

6-14-81

SIP = 0
TRIPPED IN AND TAGGED PLUG
AT 515' GS. TRIPPED
OUT AND CADD DOWN
TUBING.
NIPPLE DOWN BOP'S AND WELLHEAD.
SPOT 10 SX5 CEMENT PLUG AT
SURFACE.
WELD CAP ON CASING.
RIG RELEASED AT 1 P.M. (6-13-81).

RIG 2500

LENTIC 300
TANICS 50
Howco 3070
DAILY 5850

BOP # 969,097
ACP 299,184
Cum # 1,268,281