**DAILY WELL REPORT**

(AS OF 8:00 A.M.)

**WELL** Quasar No. 15-14 Crown Zellerbach  
**DAY NO.** 1  
**DATE** Oct. 13, 1979  
**DEPT** 432  
**FEET MADE** 401  
**HRS. ON BOTTOM** 14

**OPERATION** Drilling surface hole

**SURVEYS**

**LAST PIPE TALLY**

<table>
<thead>
<tr>
<th>WT. OF STRING LBS.</th>
<th>15</th>
<th>BOARD</th>
<th>WT. ON BIT LBS.</th>
<th>all</th>
<th>CORRECTION</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
</table>

**PUMP No. 1** Continental DA-500 in use  
**LINERS** 4-1/2 x 16  
**SPM** 60  
**PRESS.** 200

**PUMP No. 2**

**DRILL PIPE O.D.** 3-1/2  
**THD.** IF  
**DRILL COLLARS O.D.** 4-1/2  
**THD.** 3-1/2 IF  
**NO. IN HOLE** 8

<table>
<thead>
<tr>
<th>BIT No.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>DEPTH OUT</th>
<th>FT MADE</th>
<th>TOTAL HRS. RUN</th>
<th>JET SIZE IN 32nds</th>
<th>COND.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>9-7/8</td>
<td>DT</td>
<td>31</td>
<td>401</td>
<td>14</td>
<td>feett cut</td>
<td>feett rec.</td>
<td></td>
<td>re-run</td>
</tr>
</tbody>
</table>

**REAM BIT NO.**

**CORE NO.**

**MUD**

<table>
<thead>
<tr>
<th>WT.</th>
<th>Visc.</th>
<th>WL.</th>
<th>Gel</th>
<th>FC</th>
<th>DESULF</th>
<th>H2S</th>
<th>OUT</th>
<th>LB/GAL.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.0</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PH</th>
<th>AP.H</th>
<th>FLAS V</th>
<th>YLD.</th>
<th>PH</th>
<th>DESANS</th>
<th>H2S</th>
<th>OUT</th>
<th>LB/GAL.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| WATER | | | | | | | | |
| SALT | G- | | | | | | | |

| SODS | SAND | CA + | | | | | |
|      |      |      | | | | | |

**SOLIDS**

**MUD ADDED**

43 sx gel; 17 sx kwik seal

---

**RIG TIME**

1. DRILLING  
2. TRIPPING  
3. SERVICE & BOPS  
4. REAMING  
5. SLIP & OUTLINE  
6. SURVEYING  
7. CIRCULATING  
8. CLEAN TO BMT  
9. COND. MUD  
10. REPAIRING  
11. CORING  
12. TESTING  
13. LOGGING  
14. CASING  
15. W.O.C.  
16. Rig up  
17. Lost Circ.  
18.  

**DRILLING & GEOLOGICAL REMARKS**

(Sequence of Operations to be inserted below)

**Rigged up and mixed mud; spud at 4:00 p.m.; drilled 9-7/8" hole; lost circulation at 230 ft; drilled 9-7/8" hole; repaired mud pump; drilling.**

---

**WEATHER**

TEMP. +54 °F  cloudy, foggy
**DAILY WELL REPORT**

*AS OF 8:00 A.M.*

- **WELL**: Quasar No. 15-14 Crown Zellerbach
- **DAY**: 2
- **DATE**: Oct. 14, 1979
- **DEPTH**: 515 FEET
- **FEET MADE**: 83
- **HRS. ON BOTTOM**: 2
- **OPERATION**: Waiting on cement.

### SURVEYS

<table>
<thead>
<tr>
<th>LAST PIPE TALLY</th>
<th>BOARD</th>
<th>WT. OF STRING M LBS.</th>
<th>16</th>
<th>WT. ON BIT M LBS.</th>
<th>all</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PUMP No.</th>
<th>Continental DA-500</th>
<th>LINERS</th>
<th>4-1/2 x 16</th>
<th>SPM</th>
<th>80</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESS</td>
<td>200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DRILL PIPE Q'D.</th>
<th>3-1/2</th>
<th>THD. IF</th>
<th>DRILL COLLARS Q'D.</th>
<th>4-1/2</th>
<th>THD. 3-1/2 IF</th>
<th>NO. IN HOLE</th>
<th>8</th>
</tr>
</thead>
</table>

### BIT No.

<table>
<thead>
<tr>
<th>BIT No.</th>
<th>1A</th>
<th>SIZE</th>
<th>9-7/8</th>
<th>DT</th>
<th>TYPE</th>
<th>T.</th>
<th>484</th>
<th>IN</th>
<th>16</th>
</tr>
</thead>
</table>

### MUD

- **WT.**: 9.0
- **VIS**: 90
- **GEL**: 90
- **PC**: 90
- **DESILICER**: 80
- **ADDENAL**: 90
- **DESSANDER**: 90
- **DESSACER**: 90
- **SAND**: 90
- **SOILS**: 90
- **WATER**: 90
- **OIL**: 90
- **CL**: 90
- **CA**: 90
- **TOT MUD DUMPED**: 90
- **DRIED**: 90

<table>
<thead>
<tr>
<th>MUD ADDED</th>
<th>75 sx gel</th>
</tr>
</thead>
</table>

### RIG TIME

1. **DRIILLING**: 2
2. **TRIPPING**: 1/2
3. **SERVICE & BOPs**: 1-1/2
4. **REAMING**: 1/2
5. **SLIP & CUSLINE**: 1/2
6. **SURVEYING**: 1-1/2
7. **CIRCULATING**: 1-1/2
8. **CLEAN TO BTM**: 1/2
9. **COND. MUD**: 1/2
10. **REPAIRING**: 1/2
11. **CORING**: 1/2
12. **LOADING**: 1/2
13. **CASING**: 1/2
14. **W.O.C.**: 1/2
15. **W.O.C.**: 1/2
16. **W.O.C.**: 1/2
17. **W.O.C.**: 1/2
18. **W.O.C.**: 1/2
19. **W.O.C.**: 1/2
20. **W.O.C.**: 1/2

**OTHERS (SPECIFY)**

**DRILLING & GEOLOGICAL REMARKS**

Drilled 9-7/8" hole; lost circulation at 465 ft.; drilled 9-7/8" hole; circulated to condition hole; tripped out of hole; ran 13 joints, 7 inch, 20 lb. casing, landed at 515 ft. K.B., cemented with 175 sacks Class "G" cement plus 2% calcium chloride; waiting on cement.

### WEATHER

- **TEMP.**: +56°F
- **Raining**
### DAILY WELL REPORT

**WELL** Quasar No. 15-14 Crown Zellerbach  
**Day No.** 3  
**Date** Oct. 15, 1979  
**Depth** 515 Feet Made 0  
**Hrs. on Bottom** 0  
**Operation** Drilling out cement plug

<table>
<thead>
<tr>
<th>BIT No.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>DEPTH OUT</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>ITT SIZE</th>
<th>CORE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6-1/4</td>
<td>DTJ</td>
<td>515</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ream Bit No.**

**Core No.**

**MUD**

- **WT** 8.7  
- **Vis** 50  
- **Wt.**
- **App Vis**
- **Plas Vis**  
- **Cl**  
- **Ft**  
- **Desilter**
- **Mf Out**
- **Lb/CAL**
- **Dewater**
- **Mf Out**  
- **Lb/CAL**  
- **Water**
- **Oil**
- **Ct**  
- **Ppm**
- **Solids**
- **Sand**
- **Ca + +**  
- **Ppm**
- **Tot Mud Dumped**
- **Bbl/day**

**Mud Added**

**Rig Time**

1. DRILLING  
2. TRIPPING  
3. SERVICE & DOGS  
4. REAMING  
5. SLIP & CUTFINE  
6. SURVEYING  
7. CIRCULATING  
8. CLEAN TO BTM  
9. COND. MUD  
10. REPAIRING  
11. CORING  
12. TESTING  
13. LOGGING  
14. CASING  
15. W.O.C.  
16. Cementing  
17. Nipple up BOP  
18. Nipple up and drill mouse hole  
19. Pick up BHA and trip in hole  
20. Drill cement

**Drilling & Geological Remarks**

Waited on cement; cemented top of hole with 1 inch pipe. Waited on cement, nipple up BOP; nipple up and drilled mouse hole; pressure tested blind rams to 1500 psi (OK), picked up bottom hole assembly and tripped in hole; pressure tested hydricil and pipe rams; drilling out cement.

**Weather**

- Temp: +58 °F
- Cloudy with patches of fog
**DAILY WELL REPORT**

*AS OF 7:00 A.M.*

**WELL**
Quasar No. 15-14 Crown Zellerbach

**DAY NO.**
4

**DATE**
Oct. 16, 1979

**DEPTH**
515

**FEET MADE**
0

**HRS. ON BOTTOM**
0

**OPERATION**
Reaming out undersize surface casing

---

**SURVEYS**

---

**LAST PIPE TALLY**

---

**BOARD**

---

**CORRECTION**

YES

---

**WT. OF STRING M LBS.**

---

**WT. ON BIT M LBS.**

---

**ROTARY RPM**

---

**PRESS. SPMD**

---

**PRESS.**

---

**PUMP No. 1, Continental DA 500**

---

**IN USE**

---

**LINERS**

4-1/2 x 16 SPMD

---

**PUMP No. 2**

---

**IN USE**

---

**LINERS**

---

**SPMD**

---

**PRESS.**

---

**DRILL PIPE O.D.**

3-1/2

---

**THD.**

---

**IP**

---

**DRILL COLLARS O.D.**

4-1/2

---

**THD.**

---

**IP**

---

**No. IN HOLE**

8

---

**BIT NO.**

---

**SIZE**

---

**TYPE**

---

**DEPTH IN**

---

**DEPTH OUT**

---

**FT. MADE**

---

**TOTAL HRS. RUN**

---

**JET SIZE**

---

**IN JORES**

---

**CONG**

---

**REMARKS**

---

**FIT**

---

**FIT**

---

**REMARKS**

---

**MAND**

---

**VIS**

45

---

**WIL**

28

---

**GAL**

12/18

---

**FT.**

3

---

**DESILTER**

---

**IN. OUT**

---

**LB./GAL.**

---

**PH**

12.5

---

**APP. VIS**

---

**MILL VIS**

9

---

**YD. PFT.**

30

---

**DESANGER**

---

**IN. OUT**

---

**LB./GAL.**

---

**WATER**

95%

---

**OIL**

---

**CL.**

2000

---

**PPM**

---

**DEGasser**

---

**IN. OUT**

---

**LB./GAL.**

---

**SOLIDS**

5%

---

**SAND**

---

**15**

---

**CA +**

80

---

**PPM**

---

**TOT MUD DUMPED**

---

**Min. Div.**

---

**MUD ADDED**

20 sx qel

---

**FIG TIME**

---

**OTHERS (SPECIFY):**

Drill cement

6

---

Wait on orders

1-1/2

---

Wait on reamer

9

---

Make up reamer

1

---

Drilled cement; would not drill because of tight casing. Tripped out of hole; waited on orders; waited on reamer; made up reamer; tripped in hole; reaming surface casing at 501 ft.
**DAILY WELL REPORT**

**WELL** Quasar No. 15-14 Crown Zellerbach  
**DAY NO.** 5  
**DATE** Oct. 17, 1979

**DEPTH** 1298 FEET MADE 780

**OPERATION** Drilling

**SURVEYS** 1079 1-1/2

**LAST PIPE TALLY**

<table>
<thead>
<tr>
<th>WT. OF STRING</th>
<th>M LBS.</th>
<th>WT. ON BIT M LBS.</th>
<th>BOARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CORRECTION** YEL NO

**ROTARY RPM** 100

**PUMP No. 1** Continental DA 500  
**IN USE** LINERS 4-1/2 x 16 SP M

**SPM** 58  
**PRESS** 1200

**PUMP No. 2**

**DRILL PIPE OD** 3-1/2 THD.  
**IP** DRILL COLLARS OD 4-1/2 THD.  
**3-1/2 IF** NO. IN HOLE 9

**BIT No.** 1  
**SIZE** 6-1/4  
**TYPE** DTJ  
**DEPTH IN** 518  
**DEPTH OUT** 780  
**FT. MADE** 16  
**TOTAL HRS. RUN** 9  
**IN 22 MLS** 9  
**STA** 9  
**REMARKS** re-run

**MUD**

<table>
<thead>
<tr>
<th>WT.</th>
<th>9.0</th>
<th>VIS</th>
<th>45</th>
<th>WL.</th>
<th>18</th>
<th>GEL</th>
<th>8/24</th>
<th>FC</th>
<th>3/32</th>
</tr>
</thead>
</table>

**PH.**

<table>
<thead>
<tr>
<th>APP VIS</th>
<th>10.5</th>
</tr>
</thead>
</table>

**WATER VIS**

<table>
<thead>
<tr>
<th>OIL</th>
<th>95</th>
</tr>
</thead>
</table>

**SOLIDS**

<table>
<thead>
<tr>
<th>CLAY</th>
<th>200</th>
</tr>
</thead>
</table>

**MUD ADD**

6 sx lost circulation material; 3 sx aqua gel; 10 sx kwik gel

**RIG TIME**

1. DRILLING 16  7. CIRCULATING 12  13. LOGGING 18
2. TRIPPING 1-1/2  8. CLEAN TO BTM. 14  14. CASING 19
4. REAMING 11  10. REPAIRING 3-1/2

**DRILLING & GEOLOGICAL REMARKS** (Sequence of Operations to be inserted below)

Reamed 508 to 518 ft.; tripped out of hole; serviced rig; tripped in hole; drilled 6-1/4" hole; ran survey; drilled 6-1/4" hole; repaired drive shaft, drilled 6-1/4" hole; repaired mud pump; drilling.

**WEATHER**

TEMP. +44 °F  clear with patches of ground fog
**DAILY WELL REPORT**

**WELL** Quasar No. 15-14 Crown Zellerbach  
**DATE** Oct. 18, 1979

**DEPT** 2045 FEET MADE 747 HRS ON BOTTOM 18

**OPERATION** Drilling

**SURVEYS**

<table>
<thead>
<tr>
<th>BIT NO.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>DEPTH CUT</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>HRS. SIZE IN 32nds</th>
<th>CONG.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6-1/4</td>
<td>DTJ</td>
<td>518</td>
<td>1744</td>
<td>1226</td>
<td>34-1/2</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>2</td>
<td>6-1/4</td>
<td>DTJ</td>
<td>1744</td>
<td></td>
<td>301</td>
<td>7-1/2</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
</tbody>
</table>

**REAIM BIT NO.**

**MUD**

<table>
<thead>
<tr>
<th>WT.</th>
<th>VIS</th>
<th>WL</th>
<th>GEL</th>
<th>FC</th>
<th>DESILITE</th>
<th>mL. OUT</th>
<th>LB./GAL.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.6</td>
<td>48</td>
<td>12</td>
<td>4/14</td>
<td>2/32</td>
<td>DESCENTER</td>
<td>lb. OUT</td>
<td>lb./gal.</td>
</tr>
</tbody>
</table>

**PH.**

| 9.8 | APP VIS | PLAS VIS | YLD. FT. | 10 | 400 | PPM | DECASSER | lb. OUT | lb./gal. |

**WATER**

| 93% | OIL. | CL- | 40 | 40 | PPM | TOY MUD DUMPED | DATES/MT. |

**SOLIDS**

| 7%  | SAND | CA + | 40 | 40 | PPM |

**MUD ADDED**

9 sx gel; 1-3/4 Cypan; 1-1/2 Q-Broxin; 10 gal. drilling detergent.

**RIG TIME**

1. DRILLING 18  
2. TRIPPING 3  
3. SERVICE & BOPS  
4. REAIMING  
5. SLIP & DUTLING  
6. SURVEYING 1/2  
7. CIRCULATING 1/2  
8. CLEAN TO DT  
9. COND. MUD  
10. REPAIRING 2  
11. CORING  
12. TESTING  
13. LOGGING  
14. CASING  
15. W.O.C.  
16.  
17.  
18.  
19.  
20.  

**DRILLING & GEOLOGICAL REMARKS** (Sequence of Operations to be inserted below)

Drilled 6-1/4" hole; repair swivel; drilled 6-1/4" hole; ran survey; repaired mud pump; drilled 6-1/4" hole; circulated up samples; tripped out of hole with Bit No. 1; tripped in hole with Bit No. 2; drilling.

**WEATHER:** TEMP. +50 °F raining
DAILY WELL REPORT

(WELL) Quasar No. 15-14 Crown Zellerbach  DAY No. 7  DATE Oct. 19, 1979

DEPTH 2675 FEET MADE 630  HRS. ON BOTTOM 16

OPERATION Drilling

SURVEYS

LAST PIPE TALLY  BOARD

WT. OF STRING M LBS. 50  WT. ON BIT M LBS. 5  ROTARY RPM 100  CORRECTION V. S. NO.

PUMP No. 1 Continental DA 500 IN USE LINERS 4-1/2 x 16 SPH 68 PRESS 1200

PUMP No. 2 IN USE SPH PRESS.

DRILL PIPE D. 4-1/2 THD. IF  DRILL COLLARS D. 4-1/2 THD. 3-1/2 IF NO. IN HOLE 9

<table>
<thead>
<tr>
<th>BIT No.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>DEPTH OUT</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>JET SIZE IN 32nds</th>
<th>CLOG</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>6-1/4</td>
<td>DTJ</td>
<td>1744</td>
<td></td>
<td>931</td>
<td>23-1/2</td>
<td>9</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

REAM BIT No.

CORE No.

MUD

<table>
<thead>
<tr>
<th>WT.</th>
<th>V. S.</th>
<th>WL.</th>
<th>COLL.</th>
<th>FC.</th>
<th>2/32</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.6</td>
<td>52</td>
<td>7</td>
<td>3/8</td>
<td>2</td>
<td>32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PH.</th>
<th>APP. V.</th>
<th>PLS. V.</th>
<th>YLD. PT.</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5</td>
<td></td>
<td></td>
<td>19</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WATER</th>
<th>OIL</th>
<th>CL.</th>
<th>CA +</th>
<th>60</th>
<th>PPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>93</td>
<td>12</td>
<td>17</td>
<td>2</td>
<td>45</td>
<td>PPM</td>
</tr>
</tbody>
</table>

MUD ADDED 75 sx gel; 15 gal. drilling detergent; 4 sx O-Broxin, 2 sx caustic soda; 4 sx lost circulation material.

MUD SPH.

RIG TIME

1. DRILLING 16
2. TRIPPING 6. SURVEYING
3. SERVICE & BOPS 7. CIRCULATING
4. REAMING 8. CLEAN TO BTM
5. SLIP & CUTLINE 9. COND. MUD

6. CORING
7. TESTING
8. LOGGING
9. CASING
10. W.O.C.

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Repaired mud pump; drilled 6-1/4" hole; repaired mud pump; drilled 6-1/4" hole; changed swivel; drilled 6-1/4" hole; repaired mud pump; drilling.

WEATHER: TEMP. +50° OF RAIN
**DAILY WELL REPORT**  
*(AS OF 1979 7:00 a.m.)*

**WELL** Quasar No. 15-14 Crown Zellerbach  
**DAY NO.** 8  
**DATE** Oct. 20, 1979

**DEPTH** 3219  
**FEET MADE** 544  
**HRS. ON BOTTOM** 16-1/2

**OPERATION** Tripping for Bit No. 3

**SURVEYS**

---

**LAST PIPE TALLY**
- **WT. OF STRING M LBS.** 53
- **WT. ON BIT M LBS.** 5
- **ROTARY RPM** 100

**PUMP No. 1** Continental DA 500
- **IN USE** LINERS 4-1/2 x 16
- **SPM** 58
- **PRESS.** 1200

**PUMP No. 2**
- **LINERS**
- **SPM**
- **PRESS.**

**DRILL PIPE O.D.** 3-1/2  
**THD.** IF  
**DRILL COLLARS O.D.** 4-1/2  
**THD.** 3-1/2  
**IF No. IN HOLE**

<table>
<thead>
<tr>
<th>BIT No.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>DEPTH OUT</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>JLT SIZE</th>
<th>CONG</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>6-1/4</td>
<td>DTJ</td>
<td>1744</td>
<td>2795</td>
<td>1051</td>
<td>29</td>
<td>9</td>
<td>9</td>
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</tr>
<tr>
<td>3</td>
<td>6-1/4</td>
<td>DTJ</td>
<td>2795</td>
<td>3219</td>
<td>524</td>
<td>13-1/2</td>
<td>9</td>
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</tr>
</tbody>
</table>

**REAM BIT No.**

**CORE No.**

**MUD**
- **WT.** 9.4
- **VIS.** 50
- **WL.** 5
- **GEL** 3/8
- **FC 2/32**
- **DESSUSTER**
- **DESANDER**
- **DIGASSER**
- **TOT MUD DUMPED**

**WATER**
- **OIL**
- **SAND** 2
- **CA ++** 50

**MUD ADDED**
- 15 gal. drilling detergent;
- 2 sx caustic soda;
- 39 sx gel;
- 1 sx dupan;
- 1 sx Q-Broxin

**MUD COMPUTER**

**RIG TIME**
- **1. DRILLING** 16-1/2
- **2. TRIPPING** 5
- **3. SERVICE & BOPS**
- **4. REAMING**
- **5. SLIP & GUIDE**
- **6. SURVEYING**
- **7. CIRCULATING**
- **8. CLEAN TO BTM**
- **9. COND. MUD**
- **10. REPAIRING**
- **11. CORING**
- **12. TESTING**
- **13. LOGGING**
- **14. CASING**
- **15. W.O.G.**
- **16. OTHERS (SPECIFY)**

**DRILLING & GEOLOGICAL REMARKS** (Sequence of Operations to be inserted below)

Drilled 6-1/4" hole; repaired swivel; drilled 6-1/4" hole; repacked swivel; drilled 6-1/4" hole; circulated up samples; tripped out of hole with Bit No. 2. Tripped in hole with Bit No. 3; drilled 6-1/4" hole. Circulated up samples; tripping out of hole with Bit No. 3. 3219 total depth.

**Bottom of sand** 2770

**Basalt** 2960 - 3010

**Basalt** 3210

**WEATHER. TEMP.** +52 °F  
**WEATHER** cloudy
Circulated; waiting on Schlumberger; ran Dual Induction Laterolog; Sonic Log, and Compensated Neutron-Formation Density Log; running dip meter.

WEATHER: TEMP. +50°F cloudy with morning fog
**DAILY WELL REPORT**

**WELL**: Quasar No. 15-14 Crown Zellerbach  
**DAY NO.**: 10  
**DATE**: Oct. 22, 1979  
**DEPTH**: 3219  
**FEET MADE**: 0  
**HRS. ON BOTTOM**: 0  
**OPERATION**: Released rig

### LAST PIPE TALLY

<table>
<thead>
<tr>
<th>LAST PIPE TALLY</th>
<th>BOARD</th>
<th>CORRECTION: YES</th>
<th>NO</th>
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</thead>
<tbody>
<tr>
<td>WT. OF STRING M LBS.</td>
<td>WT. ON BIT M LBS.</td>
<td>ROTARY RPM</td>
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<tr>
<th>PUMP No. 1</th>
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<th>LINERS</th>
<th>SPM</th>
<th>PRESS.</th>
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<tbody>
<tr>
<td>PUMP No. 2</td>
<td>IN USE</td>
<td>LINERS</td>
<td>SPM</td>
<td>PRESS.</td>
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<table>
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<tr>
<th>DRILL PIPE O.D.</th>
<th>THD.</th>
<th>DRILL COLLARS O.D.</th>
<th>THD.</th>
<th>NO. IN HOLE</th>
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### BIT No.

<table>
<thead>
<tr>
<th>BIT No.</th>
<th>SIZE</th>
<th>TYPE</th>
<th>DEPTH IN</th>
<th>DEPTH OUT</th>
<th>FT. MADE</th>
<th>TOTAL HRS. RUN</th>
<th>HOURS IN JET HOLE</th>
<th>CONC.</th>
<th>REMARKS</th>
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### MUD

<table>
<thead>
<tr>
<th>MUD</th>
<th>WT.</th>
<th>VERS.</th>
<th>WL</th>
<th>GEL</th>
<th>FC</th>
<th>FEET OUT</th>
<th>FEET REC.</th>
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<th>WL</th>
<th>GEL</th>
<th>FC</th>
<th>FEET OUT</th>
<th>FEET REC.</th>
</tr>
</thead>
</table>

### RIG TIME

1. DRILLING  
2. TRIPPING  
3. SERVICE & BOPs
4. REAMING  
5. SLIP & CUTLINE  
6. SURVEYING  
7. CIRCULATING  
8. CLEAN TO BMT  
9. COND. MUD  
10. REPAIRING  
11. CORING  
12. TESTING  
13. LOGGING  
14. GASSING  
15. W.O.C  
16. Layed down drill collar 1-1/2  
17. Layed down drill pipe 4-1/2  
18. Rigging down 1

### DRILLING & GEOLOGICAL REMARKS

- Ran Dip Meter; layed down drill collars; layed down drill pipe; ran plug No. 1 from 1890 - 1990; cemented with 20 sacks Class "G" cement plus 3% calcium chloride; ran Plug No. 2 from 450 - 550, cemented with 20 sacks class "G" cement plus 3% calcium chloride; rigging down.

### WEATHER: TEMP. +50 °F raining