

DIAMOND S. MROCK CORP

DAILY DRILLING REPORTS

Date 11-2-71 Day From 31 E.W. 6603
Spud

Well Name Green Zephyrus 11-28 County Clatsop State Oregon

Operations Rig Released AT 5700 Ft. W/Bit # _____ Footage Past 24 Hr. - 0 -

Surveys _____

MUD CHECK

WT _____ VIS _____ WL _____ PV _____ YP _____ GELS _____
PH _____ Pm _____ CI _____ CAKE _____ /32 Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: _____

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

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	202 050
WTR.	380	11,135
MUD	- 0 -	24,497
HAZ.	3500	
Cement	1500	
Tools	2700	
Flu-	800	
10%	1362	
TOTAL	17177	540 515

FLUGS 2000 87M
6 - W O C
1 - TAG FLUG AT 930'
2 - W. D. 200' ALBA MUD PITS
RELEASED RIG 6 P.M.

755-6993

DIAMOND S. DRILL CORPORA

DAILY DRILLING REPORTS

Date 6-17-81 Day From 30 E.W. 6603
Spud

Well Name CROWN ZELLERRACH 28 County CLATSOP State OREGON

Operations L.D.D.T AT 5700 Ft. W/Bit # _____ Footage Past 24 Hr. -0-

Surveys _____

MUD CHECK

WT 97 VIS _____ WL _____ PV _____ YP _____ GELS _____
PH _____ Pm _____ CI _____ CAKE _____ /32 Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 10-GEL 8-DNS 3-TORQUETRIM 20-BAR

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

REMARKS _____

COST SUMMARY

13-LOGGING VELOCITY SUR
30 CORES SHOT. REC
27. ACDF COST
16-T.I.H S.C. P.D.
-T.I.H @ 17. P.D. TC
1848.
1ST FLUG 1848 TO 1648.

	DAY	CUM
Rig/Ftg.	6735	195315
WTR	380	10205
MUD	1340	24497
BURDWELL	10292	
SCHLUM.	25205	
DAILY	2700	
FUEL	800	
10%	1045	
TOTAL	61497	523341

DIAMOND S. MROCK CORPORATION

DAILY DRILLING REPORTS

Date 6-16-81 Day 29 From 39 E.W. 6603
 Spud

Well Name CROWN ZEWERBACH 11-28 County CLATSOP State OREGON

Operations LOGGING AT 5700 Ft. W/Bit # SRT Footage Past 24 Hr. 0-

Surveys 5700' - 4°

MUD CHECK

WT 92 VS 62 WL 24 PV 45 YP 13 GELS 4/6
 PH 9^s Pm _____ CI 500 CAKE 2 /32-Sol 10 %
 SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: None

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

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>188,580</u>
WTR	<u>380</u>	<u>10,425</u>
MUD	<u>0-</u>	<u>23,157</u>
DAILY	<u>2700</u>	
Fuel	<u>800</u>	
10%	<u>1062</u>	
TOTAL	<u>11,677</u>	<u>456,844</u>

2-20 STD SHORT TRIP
1/4-WASH FC TO BOTTOM
NO FILL
2 1/2 - CIRC
2 3/4 - T.C.H.
15 1/2 - TR.W. SCHLUMBER &
TRAIL DIL-B.H.C FROM
5625' TO 1000'
FDC-CPL GAMMA TRAY FROM 5620' TO 1010'
DIPMETER FROM 5620' TO 1010'
WILL RUN VELOCITY SURVEY THIS MORNING

DAILY DRILLING REPORTS

Date 6-15-81 Day 29 From 29 E.W. 6603
 Spud

Well Name CROWN FELLERBACH 11-28 County CLATSOP State OREGON

Operations SHORT TRIP @ 1000 Ft. W/Bit # 5RT Footage Past 24 Hr. 99

Surveys _____

MUD CHECK

WT 96 VIS 58 WL 24 PV 45 YP 13 GELS 4/6
 PH 9.2 Pm _____ CI 500 CAKE 2 /32-Sol 9.2 %
 SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 1-25L 2-20LL 4-2-PTOYIN 4-CAUSTIC
1-7-2-2-2-2

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
5322	8 3/4	F-2	3084	AN609	616	943/4	900	25	65

REMARKS _____

COST SUMMARY

14 3/4 - d
2 - CIRG
3/8 - 20 FT. SHORT TRIP
1/4 - WASH 20' TO RETURN 30'
OF TIGHT HOLE
2 - CIRG
1/2 - T.O.H FOR 20 FT
SHORT TRIP

	DAY	CUM
Rig/Ftg	6335	181,245
WTR	380	127,457
MUD	474	231,577
	2100	
FUEL	300	
10%	1139	
TOTAL	12,531	445,167

LOGGERS TO BE ON LOCATION BY
 noon 5-15-81

DIAMOND SHAMROCK CORPORAT.

DAILY DRILLING REPORTS

Date 6-14-81 Day From 27 E.W. 6603
Spud

Well Name CROWN ZELLEBACH 11-28 County CLATSOP State OREGON

Operations Ø AT 5601 Ft. W/Bit # R20 Footage Past 24 Hr. 144

Surveys _____

MUD CHECK

WT 9.6 VIS SS WL 2.4 PV 38 YP 12 GELS 3/5
PH 9.5 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 14 GEL 3 CC-16
3 Q BROXIN 3 CALUSTIC
1 DFOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS RUN	PUMP PRESS.	WCB	RPM
<u>R25</u>	<u>8 3/4</u>	<u>F3</u>	<u>5024</u>	<u>A16097</u>	<u>517</u>	<u>Ø0</u>	<u>900</u>	<u>25</u>	<u>60</u>

REMARKS
5 1/2 Ø
1/4 125
10 1/2 Ø
4 11 STAND SHORT
TRIP, NO FILL
3 3/4 Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>175,110</u>
WTR	<u>380</u>	<u>9665</u>
MUD	<u>594</u>	<u>22380</u>
DAILY FUEL	<u>2700</u>	
10% FUEL	<u>800</u>	
10% FUEL	<u>1121</u>	
TOTAL	<u>12,330</u>	<u>432,636</u>

DIAMOND S. ROCK CORPORATION

DAILY DRILLING REPORTS

Date 6-13-81 Day From 26 E.W. 6603
Spud

Well Name CROWN ZEELEBACH 11-28 County CLATSOP, State OREGON

Operations φ AT 5457 Ft. W/Bit # RR5 Footage Past 24 Hr. 165

Surveys 5349 3 1/2°

MUD CHECK

WT 9.6 VIS 50 WL 2.0 PV 30 YP 11 GELS 3/5
PH 9.5 Pm _____ CI 500 CAKE 2 /32-SOL 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 7 CC-16 7 GIBROXIN
3 CRUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
RR5	8 3/4	F3	5084	AX6097	373	60 1/4	900	25	60

REMARKS

13 1/2 φ
1/4 circ
3/4 SURVEY
9 1/2 φ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	168,375
WTR	380	9,285
MUD	650	21,786
DAILY	2700	
FUEL	800	
10%	1126	
TOTAL	13,391	420,306

φ IN BASACT

DIAMONDS DRILLING CORPORATION

DAILY DRILLING REPORTS

Date 6-12-81 Day From 25 E.W. 6603
Spud

Well Name Crown Zellerbach 11-28 County Clatsop State Oregon

Operations φ AT 5292 Ft. W/Bit # RR5 Footage Past 24 Hr. 137

Surveys _____

MUD CHECK

WT 9.6 VIS 57 WL 2.0 PV 34 YP 12 GELS 3/5
PH 9.5 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 20 GEL 8 CC-16 8 @ BRAXIN
8 CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
RR#5	8 3/4	F3	5084	Ax6097	208	37 1/4	900	25	60

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	161,640
WTR	380	8,905
MUD	1501	21,136
Daily	2700	
FUEL	800	
10%	1212	
TOTAL	13,328	406,915

SOME
DRILLING IN "SILICESTONE & TUFF"
MOST OF SAMPLES IS BASALT

DIAMOND SHIMM ROCK CORPORATION

DAILY DRILLING REPORTS

Date 6-11-81 Day From 24 E.W. 6603
Spud

Well Name CROWN ZELLEBEALK 11 - County CLATSOP / OREGON
28 State

Operations φ AT 5155 Ft. W/Bit # 20#S Footage Past 24 Hr. 71

Surveys 5 1/4° @ 5084'

MUD CHECK

WT 9.5 VIS 54 WL 2.0 PV 37 YP 15 GELS 3/5
PH 9.5 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: NONE

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	J22	4547	KA026	537	85 1/2	900	25	60
20#S	8 3/4	F3	50	AX6097	71	13 1/4	900	25	60

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Fig.	6735	154,905
WTR	380	8525
MUD	-0-	19635
DAIM	2700	
FIRED	800	
10%	1061	
TOTAL	11,676	393,587

3 1/2 TRIP OUT w/ BIT # 8
1/4 - BOP
2 3/4 TRIP IN
2 1/4 REAM 110' OUT OF
GANG
2 CIRC FOR LOGS
1/2 SURVEY
13 1/4 φ

STILL IN BASALT.
φ @ 5 1/2 FT / HR.

DIAMOND SI. ARCOK CORPORAT.

DAILY DRILLING REPORTS

Date 6-10 Day From 23 E.W. 6603
Spud

Well Name CROWN ZELLERBACH 11-28 County CLATSOP State OREGON

Operations TRIP OUT AT 5084 Ft. W/Bit # 8 Footage Past 24 Hr. 77

Surveys _____

MUD CHECK

WT 9.5 VIS 54 WL 2.0 PV 37 YP 15 GELS 3/5
 PH 9.5 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
 SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 23 GEL, 6 CC-16, 6 GIBBYN
5 CALSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>8</u>	<u>8 7/8</u>	<u>J22</u>	<u>4547</u>	<u>KA026</u>	<u>537</u>	<u>85 1/4</u>	<u>900</u>	<u>25</u>	<u>60</u>

REMARKS

2 1/2 ϕ
1 1/2 10 STAND SAGRT TRIP
1 1/4 WASH 123' TO BOTTOM
WASHED DOWN EASY
1 3/4 ϕ
1 1/2 TRIP OUT WITH #8

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>148,170</u>
WTR	<u>380</u>	<u>8,145</u>
MUD	<u>890</u>	<u>19,635</u>
DAILY	<u>2700</u>	
FUEL	<u>800</u>	
10%	<u>1150</u>	
TOTAL	<u>12,655</u>	<u>381,911</u>

ϕ SOLID BASALT.

DAILY DRILLING REPORTS

Date 6-9-81 Day From 22 E.W. 6603
Spud

Well Name CROWN ZELLERBACH 11-28 County CLATSOP State OREGON

Operations φ AT 5007 Ft. W/Bit # 8 Footage Past 24 Hr. 132

Surveys _____

MUD CHECK

WT 9.6 VIS SS WL 2.4 PV 33 YP 12 GELS 3/5
PH 9.5 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 19 GEL, 11 CC-16, 11 Q BROXIN
3 CHASTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>8</u>	<u>8 3/4</u>	<u>J22</u>	<u>4547</u>	<u>KR026</u>	<u>460</u>	<u>64 3/4</u>	<u>900</u>	<u>1525</u>	<u>75</u>

REMARKS

1/2 TRIP IN TO 4731'
3 1/2 RETURN 4731' TO 4875
1 1/4 φ
1/4 RS
18 1/2 φ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>141,435</u>
WTR	<u>380</u>	<u>7765</u>
MUD	<u>1136</u>	<u>18745</u>
DAILY	<u>2700</u>	
FUEL	<u>800</u>	
10%	<u>1175</u>	
TOTAL	<u>12,926</u>	<u>369,256</u>

φ 5' HR THIS A.M. - RED & GREEN BASALT.

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 6-8-81 Day From 21 E.W. 6603
Spud

Well Name CROWN ZELLEBACH 11-28 County CLATSOP State OREGON

Operations TRIP IN AT 4875 Ft. W/Bit # 8 Footage Past 24 Hr. 125'

Surveys _____

MUD CHECK

WT 9.5 VIS 60 WL 1.6 PV 38 YP 15 GELS 4/5
PH 9.5 PM _____ CI 500 CAKE 2 /32-SOL 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 13 GEL, 6 CC-16, 6 Q622XIN
5 CAUSTIC, 1 DFORM (LIGNITE)

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4"	J22	4547	1CA026	328	45	900	15	75

REMARKS _____

COST SUMMARY

	DAY	CUM
18 ϕ		
2 1/2 SHORT TRIP 15 STANDS	Rig/Ftg. 6735	134,700
TIGHT @ 4815'	WTR 380	7385
1 1/2 UNPLUG BIT @ 4725'	MUD 889	17609
2 TRIP OUT & BIT UNPLUGGED	DAILY 2700	
	FUEL 800	
	10% 1150	
	TOTAL 12,654	356,330

BASALT, SILT, CLAY & ASH.

GAS SHOW @ 4794' 866 4-5 TO 59 UNITS
NO DRILLING BREAK. SAMPLED - SAGE STRINGER

DIAMOND S. MROCK CORPORAT 1

DAILY DRILLING REPORTS

Date 6-6-81 Day From 19 E.W. 6653
Spud

Well Name Crown Fellowship 11-28 County Clatsop State OREGON

WORKING PIPE

Operations IN TIGHT HOLE AT 4706 Ft. W/Bit # B Footage Past 24 Hr. 131

Surveys 4647 - 5 1/4 °

MUD CHECK

WT 93 VIS 50 WL 2 PV 25 YP 10 GELS 3/4
PH 93 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TIR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 37 - GEL 7 - RAUSTIC 116 - SOL 11 - GELCOIN
2 - MS 4 - TITRULSTRIM

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>8</u>	<u>7 3/4</u>	<u>D-22</u>	<u>4347</u>	<u>KAC26</u>	<u>157</u>	<u>21</u>	<u>900</u>	<u>15</u>	<u>70</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>4 1/2 - φ</u>	<u>6735</u>	<u>121,230</u>
<u>1/2 - Rig</u>	<u>380</u>	<u>6,625</u>
<u>4 - φ</u>	<u>2203</u>	<u>14,528</u>
<u>1/2 - SURVEY</u>	<u>2700</u>	
<u>2 1/2 - φ</u>	<u>800</u>	
	<u>10%</u>	<u>1282</u>
<u>6 - WORKING PIPE IN</u>		
<u>TIGHT HOLE 90' OFF</u>		
<u>BOTTOM @ 4619</u>		
TOTAL	14,100	327,588

DIAMOND SI . MROCK CORPORAT I

DAILY DRILLING REPORTS

Date 6-5-81 Day From 18 E.W. 6603
Spud

Well Name CROWN ZEWERBACH 11-28 County CLATSOP State OREGON

Operations Ø AT 4575 Ft. W/Bit # 8 Footage Past 24 Hr. 28

Surveys 4547 - 4 1/4°

MUD CHECK

WT 9^S VIS 48 WL 2 PV 24 YP 11 GELS 3/5
PH 9^S Pm _____ CI 500 CAKE 2 /32-Sol. 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 7 - GEL 2 - CELL 2 - GIBROXIN 1 - CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>7</u>	<u>8 3/4</u>	<u>F-2</u>	<u>3290</u>	<u>BZ2068</u>	<u>1257</u>	<u>102 3/4</u>	<u>900</u>	<u>15</u>	<u>75</u>
<u>8</u>	<u>8 3/4</u>	<u>J-22</u>	<u>4547</u>	<u>KAC16</u>	<u>28</u>	<u>4</u>	<u>900</u>	<u>25</u>	<u>60</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>5 1/2 - TRIP</u>	<u>6735</u>	<u>114,495</u>
<u>14 1/2 - TIGHT HCL2 @ 2855</u>	<u>380</u>	<u>6,245</u>
<u>WASHED TO 3251</u>	<u>261</u>	<u>12,305</u>
<u>T.I.H TO 3419. WASH TO</u>	<u>RENTAL 2700</u>	
<u>3481 T.I.H 3763 WASH</u>	<u>BIT #8 3800</u>	
<u>TO 3794. T.I.H TO 3950</u>	<u>FUEL 800</u>	
<u>WASH TO 4012 T.I.H TO 4200</u>	<u>10% 1468</u>	
<u>WASH TO 4527</u>	<u>TOTAL 16,144</u>	<u>315,488</u>

WASH TO 4527 RSAM 20' TO BOTTOM

4 - Ø

DIAMOND S. MROCK CORPORAT

DAILY DRILLING REPORTS

Date 6-4-81 Day From 17 E.W. 60603
 Spud

Well Name Green Zellerbach 11-28 County Wasco State Oregon

Operations T.O.H. FOR 312 AT 4547 Ft. W/Bit # 7 Footage Past 24 Hr. 129

Surveys 4459-6°

MUD CHECK

WT 9^S VIS S1 WL 1^L PV 24 YP 11 GELS 3/5
 PH 9^S Pm _____ CI 500 CAKE 2 /32-Sol 9 %
 SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: B-GEL 9-CC14 9-APROXIN 2-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>7</u>	<u>8 3/4</u>	<u>F-2</u>	<u>3290</u>	<u>B72008</u>	<u>1257</u>	<u>100 3/4</u>	<u>900</u>	<u>15</u>	<u>75</u>

REMARKS

COST SUMMARY

8 3/4 - φ
1/4 - RIG SERVICE
1/3 - SURVEY
14 1/2 - φ
1/2 - T.O.H.

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>114,495</u>
WTR	<u>380</u>	<u>6245</u>
MUD	<u>935</u>	<u>12,999</u>
DAISY	<u>2700</u>	
FUEL	<u>800</u>	
10%	<u>1155</u>	
TOTAL	<u>12,705</u>	<u>312,049</u>

DIAMONDS MROCK CORPORATI

DAILY DRILLING REPORTS

Date 6-3-81 Day From 16 E.W. 6603
Spud

Well Name CROWN ZELLERBACH 11-28 County CLATSOP State OREGON

Operations φ AT 4418 Ft. W/Bit # 7 Footage Past 24 Hr. 258

Surveys 4365' - 6°

MUD CHECK

WT 9² VIS 48 WL 1² PV 27 YP 12 GELS 3/5
PH 9² Pm _____ CI 500 CAKE 2 /32-Sol. 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 7-GGL 20-CELL 8-ABROXIN 3-AUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7	8 3/4	F-S	3390	B22068	1128	80	900	26/15	60/5

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	107,760
WTR	380	5865
MUD	1210	12,064
DAILY	2700	
FUEL	900	
10%	1183	
TOTAL	13,008	299,344

3 1/2 - φ
1/4 - TR
10 3/4 - φ
1/4 - CIRC
1/2 - SURJET
8 3/4 - φ

DIAMOND S. MROCK CORPORA1

DAILY DRILLING REPORTS

Date 6-1-81 Day From 14 E.W. 6603
Spud

Well Name CROWN ZELLERBACH 11-20 County CLATSOP State OREGON

Operations φ AT 3768 Ft. W/Bit # 7 Footage Past 24 Hr. 352

Surveys _____

MUD CHECK

WT 9³ VIS 49 WL 3² PV 27 YP 11 GELS 3/5
PH 9⁵ Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: S-GEL 13-CELLULOSE 13-GLIBOXIN 3-AUSTIC 1-DEFOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>7</u>	<u>8 3/4</u>	<u>F-2</u>	<u>3290</u>	<u>BRIDGE</u>	<u>478</u>	<u>34 1/4</u>	<u>800</u>	<u>26</u>	<u>65</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>2 3/4 - d</u>	<u>6735</u>	<u>94,290</u>
<u>1/4 - R.S</u>	<u>380</u>	<u>5,105</u>
<u>21 - φ</u>	<u>1249</u>	<u>9,317</u>
	<u>DAILY 2700</u>	
	<u>FUEL 800</u>	
	<u>10% 1186</u>	
	<u>TOTAL 13050</u>	<u>272,969</u>

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-31-81 Day From '83 E.W. 6603
Spud

Well Name COON FALLS REACH 11-28 County State CLATSOP / OREGON

Operations φ AT 3416 Ft. W/Bit # 7 Footage Past 24 Hr. 140

Surveys 3290' - 1 1/2°

MUD CHECK

WT 9³ VIS 45 WL 2⁸ PV 20 YP 8 GELS 2/4
PH 10 Pm CI 500 CAKE 2 /32-Sol 7 %
SD TR % OIL % CA 20 PF/MF

MUD ADDED: 6-GEL 3-CAUSTIC 8-ROCKWELL 8-CCIL
6-BAE

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
6	8 3/4	J-1	3276	FLOST	14	2 1/2	800	20	80
7	8 3/4	F-2	3290	BROOKS	126	10 1/2	800	25	60

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>2 - T.O.H. BIT #5</u>	<u>6735</u>	<u>87575</u>
<u>2 - T.I.H. BIT #6</u>	<u>350</u>	<u>4753</u>
<u>1 - WASH 30' TO BOTTOM</u>	<u>846</u>	<u>9068</u>
<u>10' FILL</u>	<u>2700</u>	
<u>2 1/2 - φ</u>	<u>800</u>	
<u>2 1/2 - T.O.H. BIT #6</u>	<u>3500</u>	
<u>1/2 - R.S.</u>	<u>1400</u>	
<u>3/4 - Put φ LINE</u>		
<u>1 3/4 - T.I.H. BIT #7</u>		
<u>1/2 - WASH 30' TO BOTTOM NO FILL</u>		
<u>10 1/2 - φ</u>		
TOTAL	<u>16,457</u>	<u>259,919</u>

ACCIDENT - BACK UP LINE IN DRUM
BEFORE PULLING HAND INTO LEADWIRE
COVER = BROKEN L&G

DIAMOND SIMMONS CORPORATION

DAILY DRILLING REPORTS

Date 5-30-91 Day From 12 E.W. 1103
Spud

Well Name PROF. ZACHAROVICH 11-22 County CLATSOP State OREGON

Operations TRIPPING TO BIT 3276 Ft. W/Bit # 5 Footage Past 24 Hr. 1103

Surveys _____

MUD CHECK

WT 93 VIS SS WL 32 PV 30 YP 18 GELS 3/5
PH 10 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 13-22L 14-22-14 14-22-14 6-CALUSTIC
5-BBF 2-2-2-CAMET

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
5	8 3/4	F-3	3098	AK697	178	25 1/4	800	25	65
6	8 3/4	J-1							

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>2 3/4 - φ</u>		
<u>1/2 - T.C.H. @ BIT # 5</u>		
Rig/Ftg.	6735	6735
WTR	380	7115
MUD	1482	8597
DAILY	2700	
FUEL	800	
BIT # 5	3500	
BIT # 6	1200	
10%	1680	
TOTAL	18477	243462

DIAMOND SURFACE ROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-29-81 Day From 11 E.W. 6603
Spud

Well Name CROWN ZELLERBACH 1120 County State CLATSOP / OREGON

Operations ∅ AT 3113 Ft. W/Bit # 5 Footage Past 24 Hr. 110

Surveys 3098' - 3°

MUD CHECK

WT 94 VIS 48 WL 44 PV 21 YP 13 GELS 3/6
PH 9° Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 4-DMS 8-GEL 5-CC16 5-CERXIM
1-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>4</u>	<u>8 3/4</u>	<u>F-2</u>	<u>2070</u>	<u>BR2000</u>	<u>1028</u>	<u>58 1/4</u>	<u>800</u>	<u>20</u>	<u>70</u>
<u>5</u>	<u>8 3/4</u>	<u>F-3</u>	<u>3098</u>	<u>AK6097</u>	<u>15</u>	<u>13/4</u>	<u>900</u>	<u>30</u>	<u>60</u>

REMARKS

COST SUMMARY

2 1/2 - REP. MUD LINES
1/2 - T.I.
3/4 - WASH 45' TO BOTTOM
15' CF FILL
5 3/4 - ∅
1/2 - RIG SERVICE
2 - ∅
1/4 - PUMPS AIRED UP
3 3/4 - ∅
1/4 - REPACK #1 PUMP
3/4 - Circ B
2 1/4 - T.O.H. BIT
1 1/4 - T.I.H.
3/4 - WASH 30'
1 3/4 - ∅

BASALT AT 3065'

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>74085</u>
WTR	<u>380</u>	<u>3965</u>
MUD	<u>880</u>	<u>5740</u>
DAIRY	<u>2700</u>	
Fuel	<u>800</u>	
10% ₆	<u>1150</u>	
TOTAL	<u>12,645</u>	<u>224,985</u>

DIAMOND S. MROCK CORPORA

DAILY DRILLING REPORTS

Date 5-27-81 Day From 10 E.W. 61023
Spud

Well Name COOPER ZELLERBACH 11-27 County State CLATSOP / OREGON

Operations RIG REPAIRS AT 3003 Ft. W/Bit # 4 Footage Past 24 Hr. 303

Surveys 28'40" - 33'4"

MUD CHECK

WT 94 VIS 47 WL 52 PV 20 YP 11 GELS 3/6
PH 10 Pm _____ CI 500 CAKE 2 /32-Sol 9 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 6-GEL 3-CAUSTIC 10-CC16 10-SPRAXIN

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>4</u>	<u>8 3/4</u>	<u>F-2</u>	<u>2070</u>	<u>B20030</u>	<u>933</u>	<u>46 1/4</u>	<u>800</u>	<u>20</u>	<u>70</u>

REMARKS

COST SUMMARY

	DAY	CUM
<u>6-φ</u>	<u>6735</u>	<u>67350</u>
<u>1/2 - SURVEY</u>	<u>380</u>	<u>3585</u>
<u>3 3/4 - φ</u>	<u>934</u>	<u>4860</u>
<u>1/4 - RIG SERVICE</u>	<u>2700</u>	
<u>5 1/2 - φ</u>	<u>FUEL 800</u>	
<u>1/4 - CURB BOTTOMS UP</u>	<u>1155</u>	
<u>1/4 - TRIPPED UP INTO SURFACE</u>		
<u>6 1/2 - REPAIR WASHED OUT MUD LINES</u>		
TOTAL	12,704	212,340

DIAMOND SHAMROCK CORPORATION 1

DAILY DRILLING REPORTS

Date 5-27-81 Day From 9 E.W. 6603
Spud

Well Name GREEN ZEMERBACH 11-28 County CLATSOP State OREGON

Operations φ AT 2700 Ft. W/Bit # 4 Footage Past 24 Hr. 513

Surveys 2308-23/4°

MUD CHECK

WT 9.5 VIS 49 WL 5 PV 21 YP 15 GELS 3/9
PH 10.2 Pm _____ CI 500 CAKE 2 /32-Sol 9% %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 6-GEL F-CELL B-GIBOXIN 6-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>4</u>	<u>8 3/4</u>	<u>F-2</u>	<u>2070</u>	<u>B72030</u>	<u>630</u>	<u>31</u>	<u>800</u>	<u>20</u>	<u>70</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>7/2 - φ</u>	<u>6735</u>	<u>65,615</u>
<u>1/2 - SURVEY</u>	<u>380</u>	<u>3,205</u>
<u>2/8 - φ</u>	<u>914</u>	<u>3,926</u>
<u>1/4 - R.S.</u>	<u>2700</u>	
<u>1 3/4 - φ</u>	<u>1200</u>	
	<u>3500</u>	
	<u>3600</u>	
	<u>1903</u>	
TOTAL	<u>20,932</u>	<u>199,636</u>

DAILY DRILLING REPORTS

Date 5/26/81 Day From 8 E.W. _____
Spud _____

Well Name Crown Zellerbach 11-28 County _____ State _____

Operations Ø AT 2187 Ft. W/Bit # 4 Footage Past 24 Hr. 209

Surveys 2068' - 4°

MUD CHECK

WT 9.2 VIS 48 WL 4.6 PV 24 YP 14 GELS 306
PH 9 Pm _____ CI 500 CAKE 2 /32-Sol 8 %
SD TV % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 6- baroid, 8-gal cement
7 units.

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
2	7 3/4	OTS AT	1015	01754	965	23 3/4	800	15	110
3	8 3/4	OTS	1580	15200	90	9	800	20	70
4	8 3/4	F-2	2070	AR 2000	117	7 3/4	800	15	70

REMARKS

COST SUMMARY

	DAY	CUM
1/4 - Ø		
2 - TOH w/ bit 2	Rig/Ftg. 6735	53880
1/4 SR	WTR 320	2825
1 TTH w/ bit 3	MUD 724	3012
1/4 from 0:0' to bottom	10% 2700	
out of	10% 1053	
5/2 - Ø	TOTAL 11,592	178,704
1/4 - hole in stand pipe		
3 1/2 - Ø		
1/4 - circ		
1 1/4 - TOH		
1 1/4 - TTH w/ bit 4		
7 3/4 - Ø		

DIAMONDS WROCK CORPORATI

DAILY DRILLING REPORTS

Date 5/25/81 Day From 7 E.W. 6603
Spud

Well Name Crown Zellerbach 11-2 County Clatsop, Oregon
State

Operations Ø AT 1978 Ft. W/Bit # 2 Footage Past 24 Hr. 843

Surveys 1 3/4 @ 1543

MUD CHECK

WT 9.1 VIS 49 WL 5.6 PV 25 YP 15 GELS 4/7
PH 9 Pm CI 500 CAKE 2 /32-Sol 8 %
SD TV % OIL % CA 20 PF/MF

MUD ADDED: 61 gel, 13 CC-16, 11 Queb.

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>2</u>	<u>8 3/4</u>	<u>C.S. Bit</u>	<u>1015</u>	<u>NP754</u>	<u>963</u>	<u>2 1/2</u>	<u>990</u>	<u>15</u>	<u>110</u>

REMARKS

COST SUMMARY

2 - Ø
1/4 - service rig
5 1/2 - Ø
1/2 - survey
2 - Ø
1/4 repair hole in mud line
1/4 ice service
3 - Ø
1 1/2 - ice @ 1783 for mud logs
108 units
8 3/4 - Ø
Andacite, basalt, for service. Fractures
but some mud

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>471 45</u>
WTR	<u>380</u>	<u>2445</u>
MUD	<u>1497</u>	<u>2288</u>
Rent	<u>2700</u>	
10%	<u>1131</u>	
TOTAL	<u>12,443</u>	<u>167,112</u>

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-24-81 Day From 6 E.W. 6623
Spud

Well Name FOUN. ZENITH 11-28 County CLATSOP State OREGON

Operations Ø AT 1135 Ft. W/Bit # 2 Footage Past 24 Hr. 120

Surveys _____

MUD CHECK

WT 9' VIS 55 WL 10 PV 22 YP 10 GELS. 7/16
PH 12 Pm _____ CI 750 CAKE 3 /32-Sol _____ %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 3-SODA 3-Ø 3-CC16

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
2	8 3/4	OSR3A	1015		120	2 1/4	900	15	110

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>10 1/2 - N.U. B.O.P.</u>	6735	40,410
<u>2 - TEST ROP TO 1200</u>	380	2065
<u>4 3/4 - INSPECT D.C</u>	330	791
<u>L.D. 2 COLLARS</u>	2700	
<u>3/4 - T.I.H. KIT #2</u>	2945	
<u>1/4 - REPAIR Ø LINE</u>	1200	
<u>1/4 - T.I.H.</u>	1439	
<u>1/2 - CIR Ø mud</u>	15,700	
<u>2 3/4 - Ø PLUG</u>	21,419	
<u>2 1/4 - Ø</u>		

DIAMOND SIMMONS ROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-23-91 Day From 5 E.W. Col-03
Spud

Well Name C 7 11-28 County State Clatsop / OREGON

Operations N.W. BOT AT 1015 Ft. W/Bit # 91 Footage Past 24 Hr. 0

Surveys _____

MUD CHECK

WT 9' VIS S3 WL _____ PV _____ YP _____ GELS _____
PH 10 Pm _____ CI _____ CAKE _____ /32 Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: NONE

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	13 1/2	DSE	30	B07044	985	34	800	20	100

REMARKS

COST SUMMARY

2-Circ
1/2-T.O.H.
1-R.U. Casing
1-Start Run casing
Tight 70'
1-stand back casing
P.U. Bit 1st R.C.
Work tight spot stand
1/2-Work casing thru
3-P.U. Bit 1 stand + clean tight spot
1/2-Run in hole
24' to 9 7/8, 36 K-SS, STIC
Shoe, Insert, Landing ft. 1016'
Set at 1011.50' F.D. 971.60
1/2 998-Casing
8-WOC
1/2-B.D. landing ft. Install Wellhead
N.W. BOT
7:30 Circ 390 exp "G", 250 exp + 3% (20)

	DAY	CUM
Rig/Ftg	6735	33,675
WTR	380	1685
MUD	-0-	461
	2700	
C.C.	5537	
Haloo	2357	
Cement	2715	
10%	2647	
TOTAL	29,067	

DIAMONDS AROCK CORPORATION

DAILY DRILLING REPORTS

Date 5/22/81 Day From 4 E.W. 660.3
Spud

Well Name Crown Zellerbach 11-28 County Clatsop State Oregon

Operations Circulating AT 1015 Ft. W/Bit # 1 Footage Past 24 Hr. 604

Surveys 502' - 1° 1015' - 1 3/4°

MUD CHECK

WT 9.1 VIS 53 WL _____ PV _____ YP _____ GELS _____
PH 10 Pm _____ CI _____ CAKE _____ /32-Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 6-gel, 2-concrete, 2-CC16, 2-G-Rock

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	13 1/2	DSS	30'	BW1044	985	34	800	20	100

REMARKS 3-φ
1/4 - Dno Draw works
2 1/2 - φ
1/2 - survey
5 3/4 - φ
1/4 - service rig
7 1/2 - φ
1 - Circ
1/4 - survey
3hr - wiper trip
1 - Circ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	26940
WTR	380	1305
MUD	295	461
Rental	2700	
10%	1011	
TOTAL	11,121	94,127

DAILY DRILLING REPORTS

Date 5/21/81 Day From 3 E.W. 4603
Spud

Well Name Crown Zellerbach 11-28 County Clatsop State Oregon

Operations Ø AT 411 Ft. W/Bit # 1 Footage Past 24 Hr. 36

Surveys _____

MUD CHECK

WT 9.2 VIS 45 WL _____ PV _____ YP _____ GELS _____
pH 10 Pm _____ CI _____ CAKE _____ /32-Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 2 gal 2 canisters

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>1</u>	<u>13 1/2</u>	<u>ESS</u>	<u>30</u>	<u>1117044</u>	<u>381</u>	<u>15 1/2</u>	<u>900</u>	<u>10</u>	<u>75</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>90205</u>
WTR	<u>125</u>	<u>925</u>
MUD	<u>146</u>	<u>1087</u>
<u>2700</u>		
<u>10%</u>	<u>780</u>	
TOTAL	<u>10,766</u>	<u>83,063</u>

8 3/4 dig out collar
1/4 pour sediment core
in collar
1 1/2 WOB
1/2 TTH w/ bit
1 circ and test cond.
Ø

DIAMOND SURFACE MROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-20-81 Day From 2 Spud E.W. 6603

Well Name REGON ZEMERBACH 11-25 County CLATSOP State OREGON

Operations DIGGING OUT CELLAR AT 375 Ft. W/Bit # 1 Footage Past 24 Hr. 300

Surveys _____

MUD CHECK

WT 92 VIS 45 WL _____ PV _____ YP _____ GELS _____
 PH 10° Pm _____ CI _____ CAKE _____ /32-Sol _____ %
 SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 30-GEL 3-CRUSTIC 8-CENTER SEED HULLS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	13 1/2	DSS	30	203044	345	12 1/4	1000	2000	100

REMARKS _____

COST SUMMARY

	DAY	CUM
5 1/2 - ϕ	6735	13,470
1 - TRU. GEOLOGRAPH	370	340
4 1/2 - ϕ	414	914
1/4 - LOSS 600# PUMP	2700	
TRIP OUT LOOKING FOR LEAK. LOSS CENTER-JET	10%	1022
REPLACE JET. TRIP IN		
1/2 - ϕ - LOSS ^{CIRC} AT 375. CIRC AROUND BACKSIDE OF CONDUCTOR		
1/2 - TRIP OUT		
10 1/2 - CLEANING CELLAR		
TOTAL	11,241	72,297

DAILY DRILLING REPORTS

Date 5-19-81 Day From 1 E.W. 6603
Spud

Well Name Green Fellers Ranch 11-28 County State Clatsop / Oregon

Operations φ AT 75 Ft. W/Bit # 1 Footage Past 24 Hr. 45

Surveys _____

MUD CHECK

WT 94 VIS 60 WL _____ PV _____ YP _____ GELS _____
pH 10.5 Pm _____ CI _____ CAKE _____ /32-Sol. _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 2-CAUSTIC 42-GEL

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	13 1/2	DSS	30	BD7044	45	1 3/4	700	2000	100

REMARKS _____

COST SUMMARY

	DAY	CUM
10-TR. U. ? INSTALL FLOW LINE	6735	6735
4 3/4-TR. U. RAT HOLS DIGGER	370	370
1/4-φ RAT	500	500
2 3/4-REPAIRS - LEAK IN STAND-PIPE - ADJ NIGHT TRANT	DAILY 2700	
1/2-φ	LOCATION 17,500	
3/2-W.O.P. (X-OVER SURS)	Rig. Mov. 25,000	
1/4-φ	Bit #1 2,700	
	10% 5,551	
	TOTAL 61,056	61,056

SPUDDED 12:45 A.M. 5-19-81