DIAMOND S MROCK CORPORA N

DAILY DRILLING REPORTS

Date 8-1-81 Day From Spud 37 E.W. ____

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP, OREGON

Operations RIGGING DOWN AT ____ Ft. W/Bit # ____ Footage Past 24 Hr. ____

Surveys ____

MUD CHECK

WT ____ VIS ____ WL ____ PV ____ YP ____ GELS ____

pH ____ Pm ____ Cl ____ 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

2 3/4 LAY DOWN DRILL COLLARS
2 1/2 LAY DOWN DRILL PIPE
1 1/2 TRIP IN OPEN ENDED.
3 1/4 SET CMT PLUGS
72 SXS 3316-3516
78 SXS 876-1076
6 WOC
1/2 TAG CMT PLUG @ 894'
1/2 LAY DOWN DRILL PIPE.
4 NIPPLE DOWN BOPS.
RIG RELEASED 3 A.M. 8-1-81

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD		
RENT	2700	
FUEL	800	
CEMENT	2096	
HOWCO	3621	
10%	1602	
TOTAL	17,624	648,139

DIAMOND S MROCK CORPORA N

DAILY DRILLING REPORTS

Date 7-31-8 Day From Spud 37 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations RIGGING DOWN LOGGERS AT 6095 Ft. W/Bit # ____ Footage Past 24 Hr. 0

Surveys 5° @ 6095

MUD CHECK

WT 9.2 VIS 60 WL 4.2 PV 35 YP 15 GELS 4/7

pH 9.5 Pm ____ Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL ____ % CA 20 PF/MF ____

MUD ADDED: 10 BAR

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

REMARKS

2 TRIP OUT FOR LOGS

22 LOGGING — SCHLUMBERGER

DIL

SONIC

FDC-CNL

DIPMETER

VELOCITY SURVEY

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	100	
RENT	2700	
FUEL	800	
LOGS	34,735	
10%	4,514	
TOTAL	49,654	630,515

DIAMOND S MROCK CORPORAT

DAILY DRILLING REPORTS

Date 7-30-81 Day From Spud 36 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations TRIP OUT FOR LOGS AT 6095 Ft. W/Bit # 14 Footage Past 24 Hr. 6

Surveys ____

MUD CHECK

WT 92 VIS 60 WL 42 PV 35 YP 15 GELS 4/7

pH 95 Pm ____ Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL ____ % CA 20 PF/MF ____

MUD ADDED: 7-GEL 10-BAR 2-CAUSTIC 4-Q BROXIN
4-CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
14	8 3/4	F-57	6000	BU1192	95	39	1000	25	50

REMARKS

4 - 0

3 - CIRC AND COND HOLE

2 - 30 STD

14 - CIRC & COND HOLE FOR LOGS

1 - T.O.H. FOR LOGS

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	403	
DAILY	2700	
FUEL	800	
10%	1071	
TOTAL	11,779	580,881

DIAMOND S. MROCK CORPORAT[illegible]

DAILY DRILLING REPORTS

Date 1-29-81 Day From Spud 35 E.W. [illegible]

Well Name [illegible] County State [illegible] / [illegible]

Operations [illegible] AT 6089 Ft. W/Bit # 14 Footage Past 24 Hr. [illegible]

Surveys

MUD CHECK

WT [illegible] VIS [illegible] WL [illegible] PV [illegible] YP [illegible] GELS [illegible]

pH [illegible] Pm CI [illegible] CAKE [illegible] /32-Sol [illegible] %

SD [illegible] % OIL % CA [illegible] PF/MF

MUD ADDED: 11 - GEL [illegible] [illegible]

9 - [illegible]

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
14	8 3/4	F-57	6000	BU1192	99	[illegible]	1000	25	50

REMARKS

24 - 0

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	83[illegible]	
DAILY	2700	
FUEL	800	
10%	[illegible]41	
TOTAL	12,382	569,082

DIAMOND S[illegible]MROCK CORPORAT[illegible]

DAILY DRILLING REPORTS Date 7-28-81 Day From Spud 34 E.W. 6602

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations Ø AT 6027 Ft. W/Bit # 14 Footage Past 24 Hr. 40

Surveys

MUD CHECK

WT 9^{2} VIS 57 WL 4^{2} PV 35 YP 16 GELS 4/7

pH 10 Pm Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 22-GEL 15-BAR 6-CAUSTIC 10-Q-BROXIN

9-CARBONOX 1-[illegible]

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
RR	8 3/4	F-57	5908	TH1127	92	41 3/4	1000	25	50
14	8 3/4	F.57	6000	BV1192	27	11	1000	25	50

REMARKS

7½ - Ø

2½ - T.O.H. @ BIT # RR

2½ - T.I.H. @ BIT # 14

½ - WASH 8' TO BOTTOM

11 - Ø

45 min TO THE FOOT

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6235	
WTR	470	
MUD	1207	
[illegible]	3900	
Fuel	200	
[illegible]	3350	
10%	1536	
TOTAL	16,898	556,500

DIAMOND S[illegible]MROCK CORPORAT[illegible]

DAILY DRILLING REPORTS Date 7-27-81 Day From Spud 33 E.W. 6602

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations Ø AT 5987 Ft. W/Bit # RR Footage Past 24 Hr. 61

Surveys

MUD CHECK

WT 9^2 VIS 55 WL 4^5 PV 30 YP 16 GELS 3/8
pH 9^0 Pm CI 400 CAKE 2 /32-Sol 8 %
SD TR % OIL % CA 20 PF/MF

MUD ADDED: 13 - GEL 4 - CAUSTIC 10 - QBROXIN 10 - CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12RR	8¾	F-57	5908	BV1187	79	34¼	1000	25	50

REMARKS

24 - 0

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	920	
DAILY	2700	
FUEL	800	
10%	1122	
TOTAL	12347	551,110

DIAMOND SHAMROCK CORPORAT

DAILY DRILLING REPORTS Date 7-26-81 Day From Spud 32 E.W. 6662

Well Name CROWN ZELLERBACH 31-17 County / State CLATSOP / OREGON

Operations 0 AT 5926 Ft. W/Bit # 12RR Footage Past 24 Hr. 28

Surveys

MUD CHECK

WT 9^2 VIS 58 WL 4^4 PV 34 YP 16 GELS 4/8
pH 9^0 Pm CI 400 CAKE 2 /32-Sol 6 %
SD TR % OIL % CA 20 PF/MF

MUD ADDED: 6 - GEL 10 - BAR 3 - CAUSTIC 8 - QBROXIN
7 - CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
13	8¾	F-2	5780	BT8551	128	33¼	1000	25	50
RR12	8¾	F-57	5908	BV1187	18	10¼	1000	25	50

REMARKS

5 - 0
3½ - T.O.
1¾ - CUT 0
2½ - T.I.
2½ - 0
½ - REP
7¾ - 0

ANDESITE 5905

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	760	
DAILY	2700	
FUEL	800	
10%	1106	
TOTAL	12,171	538,763

DIAMOND SI   MROCK CORPORAT I

DAILY DRILLING REPORTS

Date 7-25-81 Day From Spud 31 E.W. 6602

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations 0 AT 5898 Ft. W/Bit # 13 Footage Past 24 Hr. 86

Surveys

MUD CHECK

WT 9.2 VIS 59 WL 4.8 PV 32 YP 16 GELS 4/7

pH 9 Pm Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 20-GEL 2-CAUSTIC 11-QBROXIN 9-CARBONOX 2-CELL

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
13	8 3/4	F-2	5780	BT8551	116	28 1/4	1000	25	50

REMARKS

24 - 0

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	989	
Daily	2700	
Fuel	800	
10%	1129	
TOTAL	12423	526,592

DIAMOND S.   MROCK CORPORAT I

DAILY DRILLING REPORTS

Date [illegible] Day From Spud 30 E.W. [illegible]

Well Name [illegible] County State Clatsop / Oregon

Operations 0 AT 5812 Ft. W/Bit # 13 Footage Past 24 Hr. 89

Surveys

MUD CHECK

WT 9.3 VIS 60 WL 5.4 PV 32 YP 15 GELS 4/7

pH [illegible] Pm Cl 400 CAKE 2 /32-Sol 9 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 20-GEL 10-RR [illegible]-CAUSTIC 7-QBROXIN 7-CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12	8 3/4	F-2	[illegible]	[illegible]	218	57 3/4	1000	25	50
13	8 3/4	F-2	5780	BT8551	32	4 1/4	1000	25	60

REMARKS

COST SUMMARY

12½ - Ø

2 - T.O.H. @ BIT # 12

2 - T.I.H. @ BIT # 12

¼ - WASH 15' TO BOTTOM

4½ - Ø

	DAY	CUM
Rig/Ftg.	6725	
WTR	70	
MUD	213	
BITS	2750	
FUEL	900	
BIT #13	3750	
SCHLUM.	12750	
HAUL	[illegible]	
10%	2917	
TOTAL	32082	634 [illegible]

DIAMOND SHAMROCK CORPORAT[illegible]

DAILY DRILLING REPORTS

Date 7-23-81 Day From Spud 29 E.W. 66052

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations Ø AT 5723 Ft. W/Bit # 12 Footage Past 24 Hr. NA

Surveys

MUD CHECK

WT 9.2 VIS 56 WL 5.4 PV 30 YP 6 GELS 3/5

pH 10.5 Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 6 - GEL 3 - CAUSTIC 3 - DRISPAC 3 - CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12	8¾	F-27	5562	BN 187	161	45¼	1000	25	50

REMARKS

11½ - Ø

¼ - RIG SERVICE

¾ - Ø

½ - REPAIRS

11 - Ø

FLOW - OUT OF [illegible]

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6725	
WTR	70	
MUD	274	
[illegible]	2200	
FUEL	800	
10%	1068	
TOTAL	[illegible]	[illegible]75 [illegible]

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date [illegible] Day From Spud [illegible] E.W. [illegible]

Well Name Oregon Zellerbach 31-17 County State Clatsop / Oregon

Operations [illegible] AT [illegible] Ft. W/ Bit # [illegible] Footage Past 24 Hr. 46

Surveys

MUD CHECK

WT 9' VIS [illegible] WL [illegible] PV [illegible] YP [illegible] GELS 4/6

pH [illegible] Pm Cl 400 CAKE 2 /32-Sol [illegible] %

SD [illegible] % OIL % CA [illegible] PF/MF

MUD ADDED: [illegible] [illegible] [illegible] [illegible]
[illegible]

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12	7 3/4	F57	5562	BK1187	46	22	1000	30	40

REMARKS

1/2 - [illegible]
1/2 - REPAIRS
3 1/2 - [illegible]
1 - RIG
1 1/2 - [illegible] TEST
16 1/2 - [illegible]

COST SUMMARY

	DAY	CUM
Rig/Ftg.	[illegible]	
WTR	[illegible]	
MUD	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
10%	[illegible]	
TOTAL	[illegible]	[illegible]

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-21-81 Day From Spud 52 E.W. 6.60

Well Name OREGON ZELLERBACH 31-17 County State CLATSOP OREGON

Operations REPAIRS AT 5563 Ft. W/Bit # 12 Footage Past 24 Hr. 5

Surveys

MUD CHECK

WT 9' VIS 56 WL 48 PV 30 YP [illegible] GELS 3/5

pH 9.5 Pm Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 11-GEL 2-CAUSTIC 1-Q 1-CAR
10-BAR

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
11	8 3/4	J22	5539	KA706	23	19 1/2	950	20	40
12	8 3/4	F57	5562	BK1187	1	3/4	950	25	40

REMARKS

COST SUMMARY

4 - Ø

2½ - T.O.H. @ BIT # 11

12 - W.O.B.

2½ - T.I.H. @ BIT # 12

½ - WASH 20' TO BOTTOM

¾ - KICK UP BUTTONS INTO J.B.

¾ - Ø

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	[illegible]	
RENTAL	2700	
FUEL	800	
BIT#12	4200	
10%	[illegible]	
TOTAL	[illegible]	459,626

1 - REPAIRS - CHAIN ON BRAKE BROKE. DROPPED BLOCKS - BENT KELLY - CRACKED HOOK ON BLOCKS

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-20-81 Day From Spud 26 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations Ø AT 5558 Ft. W/Bit # 11 Footage Past 24 Hr. 22

Surveys

MUD CHECK

WT 9^{0} VIS 49 WL 4^{6} PV 24 YP 11 GELS 2/4

pH 9^{5} Pm Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 34-GEL 2-CAUSTIC 6-QBROXIN 4-CARBONOX 6-QUIKSEAL 6-MICA 10-BAROID

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10	8¾	F-5	5506	AC1280	33	14	950	25	55
11	8¾	J-22	5539		19	15½	950	20	40

REMARKS

2½ - Ø

3 - T.O.H @ BIT # 10

2½ - T.I.H. @ BIT # 11

½ - REAM 10' TO BOTTOM

15½ - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1190	
DAILY	2700	
FUEL	800	
BIT#11	3850	
10%	1534	
TOTAL	16,879	443,445

LOST 140 BBL FLUID

DIAMOND SHAMROCK CORPORAT**N

DAILY DRILLING REPORTS

Date 7-19-81 Day From Spud 25 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations ⌀ AT 5536 Ft. W/Bit # 10 Footage Past 24 Hr. 47

Surveys 5505' - 1 1/4°

MUD CHECK

WT 9^{2} VIS 49 WL 4^{4} PV 32 YP 11 GELS 3/5

pH 9^{5} Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 39-G 4-C 16-QUIK
3-NUT 1-SAW 16-BAR 7-Q
7-CARBONOX 3-MICA

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	8 3/4	F-2	5423	BT 6619	83	19 1/4	950	20	55
10	8 3/4	F-5	5506	AC1280	30	11 1/2	950	25	55

REMARKS

4 - ⌀
1/2 - SURVEY
1 1/2 - ⌀
3 - T.O.H ⓦ BIT # 9
2 3/4 - T.I.H. ⓦ BIT # 10
1/4 - WASH 8' TO BOTTOM
1/2 - CIRC. BOTTOMS
11 1/2 - ⌀

LOSING ABOUT 100 BBL/DAY
25 STDS OFF BOTTOM

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1854	
DAILY	2700	
FUEL	800	
BIT#10	3850	
10%	1521	
TOTAL	16,730	426,566

DIAMOND SHAMROCK CORPORAT**N

DAILY DRILLING REPORTS

Date 7-18-81 Day From Spud 24 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations ⌀ AT 5489 Ft. W/Bit # 8 Footage Past 24 Hr. 96

Surveys 5423' - MISRUN

MUD CHECK

WT 9^{2} VIS 53 WL 4^{4} PV 33 YP 12 GELS 3/5

pH 9^{5} Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 46-GEL 4-CAUSTIC 8-QBROXIN 7-CARBONOX
3-CEDAR FIBER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	F-2	4295	BT 3354	1128	124 1/2	1000	20	55
9	8 3/4	F-2	5423	BT6619	66	13 3/4	1000	20	55

REMARKS

COST SUMMARY

3 - 0
3 1/2 - T.O.H BIT # 8
3/4 - CUT 0
3 - T.I.H BIT #9
NO FILL OR DRAG
13 3/4 - 0

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1170	
DAILY	2700	
FUEL	800	
BIT#9	3850	
10%	1532	
TOTAL	16,857	409,836

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-17-81 Day From Spud 23 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations 0 AT 5393 Ft. W/Bit # 8 Footage Past 24 Hr. 187

Surveys 5235' - 2°

MUD CHECK

WT 9.3 VIS 54 WL 4.4 PV 36 YP 13 GELS 3/5
pH 9.5 Pm CI 400 CAKE 2 /32-Sol 8 %
SD TR % OIL % CA 20 PF/MF

MUD ADDED: 20-GEL 5-CAUSTIC 10-QBROXIN 10-CARBONO
2-WALNUT HULLS 2-CEDAR FIBER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	F-2	4295	BT3354	1098	121 1/2	1000	20	55

REMARKS
6 3/4 - 0
3/4 - SURVEY
3 1/2 - 0
1/4 - RIG SERVICE
12 3/4 - 0

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1431	
DAILY	2700	
FUEL	800	
10%	1174	
TOTAL	12910	392,979

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-16-81 Day From Spud 22 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations 0 AT 5206 Ft. W/Bit # 8 Footage Past 24 Hr. 190

Surveys

MUD CHECK

WT 9.3 VIS 51 WL 4 PV 33 YP 12 GELS 3/5

pH 9.5 Pm ____ Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL ____ % CA 20 PF/MF ____

MUD ADDED: 12- CARBONOX 4-WALNUT HULLS 3-MICA
65-GEL 3-CAUSTIC 12-Q-BROXIN

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	F-2	4295	BT3334	911	98 1/2	1000	20	55

REMARKS

14 - Ø
1/4 - Rig Service
9 3/4 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1707	
DAILY	2700	
FUEL	800	
10%	1201	
TOTAL	13,213	380,069

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-15-81 Day From Spud 21 E.W. 6602

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations Ø AT 5016 Ft. W/Bit # 8 Footage Past 24 Hr. 208

Surveys

MUD CHECK

WT 9.4 VIS 47 WL 4.4 PV 21 YP 10 GELS 3/5

pH 9.5 Pm ____ Cl 400 CAKE 2 /32-Sol 8 %

SD TR % OIL ____ % CA 20 PF/MF ____

MUD ADDED: 32-GEL 4-CAUSTIC 10-Q-BROXIN 3-CC-16
7-CARBONOX 1-DEF

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	F-2	4295	BT3334	721	74 3/4	1000	20	55

REMARKS

4 1/4 - Ø
1/4 - CLEAR PLUGGED JET
2 1/4 - Ø
1/4 - CIRC Ø BRK 4886 -
4893 - DOLOMITE NO GAS
6 3/4 - Ø
1/4 - RIG SERVICE
10 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1248	
DAILY	2700	
FUEL	800	
10%	1155	
TOTAL	12,709	366,856

BASALT OR HARD SHALE AT 4897'

ø APPROX 9 FT/HR

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-14-81 Day From Spud 20 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations ø AT 4808 Ft. W/Bit # 8 Footage Past 24 Hr. 229

Surveys

MUD CHECK

WT 9.5 VIS 50 WL 5.0 PV 24 YP 11 GELS 3/6

pH 9.5 Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 61 - GEL 4 - CAUSTIC 8 - QBROXIN 7 - CC16
2-DEF 4 - MICA 4 - CEDAR FIBER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	F-2	4295	BT3354	513	51 1/2	1100	20	65

REMARKS

11 3/4 - ø
1/4 - RIG
10 1/2 - ø
3/4 - CIRC ø BRK 4788-4800
3/4 - ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1713	
DAILY	2700	
FUEL	800	
10%	1202	
TOTAL	13,220	354,148

ø BRK WAS DOLOMITE - NO SHOWS

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-13-81 Day From Spud 19 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations ø AT 4579 Ft. W/Bit # 8 Footage Past 24 Hr. 228

Surveys 4541' - 2°

MUD CHECK

WT 9^{6} VIS 47 WL 4^{4} PV 20 YP 9 GELS 3/5

pH 9^{5} Pm ___ Cl 400 CAKE 2 /32-Sol 9 %

SD TR % OIL ___ % CA 20 PF/MF ___

MUD ADDED: 26 - GEL 4 - CAUSTIC 9 - QBROXIN 9 - CC16
1 - DEF

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8¾	F-2	4295	BT3354	284	28½	1100	15	60

REMARKS

2¼ - ϕ
¼ - RIG SERVICE
17 - ϕ
½ - SURVEY
4 - ϕ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1205	
DAILY	2700	
FUEL	800	
10%	1151	
TOTAL	12,661	352,946

DIAMOND SHAMROCK CORPORAT[illegible]

DAILY DRILLING REPORTS Date 7-12-81 Day From Spud 18 E.W. 6600

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations ϕ AT 4351 Ft. W/Bit # 8 Footage Past 24 Hr. 153

Surveys 4295 - 3°

MUD CHECK

WT 9^{8} VIS 50 WL 4^{2} PV 23 YP 10 GELS 3/5

pH 9^{5} Pm ___ Cl 400 CAKE 2 /32-Sol 10 %

SD ¼ % OIL ___ % CA 20 PF/MF ___

MUD ADDED: 9 - GEL 4 - CAUSTIC 6 - QBROXIN
4 - CARBONOX 2 - CC16 4 - DMS 1 - DEF

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7	8¾	S84F	3468	100094	827	89½	1000	15	70
8	8¾	F-2	4295	BT3354	56	5¼	1000	15	70

REMARKS

2¼ - ϕ
¼ - RIG SERVICE
9 - ϕ
½ - SURVEY
2½ - T.O.H. w BIT # 7
1½ - CUT ϕ LINE
2 - T.I.H. w BIT # 8
½ - WASH 50' TO BOTTOM NO FILL
1½ - ϕ
¼ - RIG SERVICE

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1146	
DAILY	2700	
FUEL	800	
BIT #8	3850	
10%	1530	
TOTAL	16,831	340,285

3 3/4 - 0

12 FPH
SHALE & SAND INTERLAYER
NO GAS SHOWS

325-2921 Rm34

DIAMOND S MROCK CORPORAT N

DAILY DRILLING REPORTS Date 7-11-81 Day From Spud 17 E.W. 6000

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations 0 AT 4198 Ft. W/Bit # 7 Footage Past 24 Hr. 243

Surveys 4044 - 3°

MUD CHECK

WT 9^6 VIS 47 WL 4^2 PV 22 YP 10 GELS 3/5

pH 9^0 Pm CI 400 CAKE 2 /32-Sol 9 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 12-GEL 3-CAUSTIC 9-CARBONOX 9-QBROXIN
1-DEFOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7	8 3/4	S84F	3468	100094	730	78 1/4	1000	15	70

REMARKS
8 1/2 - 0
1/2 - S
4 - 0
1/4 - REP
10 3/4 - 0

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	906	
DAILY	2700	
FUEL	800	
10%	1121	
TOTAL	12,332	323,454

FROM 4 UNITS B.G.

3930	17 u
4002	19 u
4088	12 u
4107	11 u
4124	16 u
4157	45 u

LAYERED SHALE & SANDSTONE

DIAMOND S MROCK CORPORAT N

DAILY DRILLING REPORTS

Date 7-10-81 Day From Spud 16 E.W. GOOD

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations Ø AT 3955 Ft. W/Bit # 7 Footage Past 24 Hr. 275

Surveys 3792 - 3°

MUD CHECK

WT 9^{5} VIS 50 WL 4^{4} PV 24 YP 14 GELS 4/7

pH 9^{5} Pm CI 400 CAKE 2 /32·Sol 9 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 24-G 3-C 9-Q 8-C

1-DEF 3-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7	8 3/4	S84F	3468	100094	427	55	1000	15	75

REMARKS

10 3/4 - Ø

1/2 - SURVEY

12 3/4 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1292	
DAILY	2700	
FUEL	800	
10%	1160	
TOTAL	12,757	311,132

DIAMOND SHAMROCK CORPORAT N

DAILY DRILLING REPORTS

Date 7-9-81 Day From Spud 15 E.W. GOOD

Well Name Crown Zellerbach 31-17 County State CLATSOP / OREGON

Operations Ø AT 3680 Ft. W/Bit # 7 Footage Past 24 Hr. 154

Surveys 3575 - 3°

MUD CHECK

WT 9^{8} VIS 48 WL 4^{6} PV 23 YP 14 GELS 3/5

pH 9^{5} Pm CI 400 CAKE 2 /32·Sol 10^{5} %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 8-GEL 2-CAUSTIC 6-CARBONOX 4-Q-BROXIN

1-DEFOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7	8 3/4	S84F	3468	100094	212	31.5	900	75	75

REMARKS

1 1/2 - Ø
3/4 - SURVEY
1 3/4 - Ø
1/4 - REPAIR SOLIDS CONTROL
8 - Ø
1/4 - R.S.
1 1/2 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	559	
DAILY	2700	
FUEL	800	
10%	1086	
TOTAL	11,950	098,365

BASALT STRINGERS

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-8-81 Day From Spud 14 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County / State CLATSOP / OREGON

Operations Ø AT 3526 Ft. W/Bit # 7 Footage Past 24 Hr. 161

Surveys 3468 - 2 3/4°

MUD CHECK

WT 9^{5} VIS 50 WL 4^{2} PV 20 YP 10 GELS 4/7

pH 9^{5} Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR. % OIL % CA 20 PF/MF

MUD ADDED: 18 - GEL 6 - BAR 3 - CAUSTIC 10 CARBONOX
10 - Q-BROXIN 2 - DEFOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
6	8 3/4	DTJ	3238	BS2050	230	21 1/4	900	12	85
7	8 3/4	S84F	3468	100094	58	8 3/4	900	15	55

REMARKS

6 1/4 - Ø
1/4 - RIG SERVICE
4 1/2 - Ø
1/2 - SURVEY
2 - T.O.H. @ BIT # 6
1 1/2 - T.I.H. @ BIT # 7
3/4 - Ø
1/4 - RIG SERVICE
5 1/2 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1190	
DAILY	2700	
FUEL	800	
BIT #7	3900	
10%	1540	
TOTAL	16,935	286,415

10' OF FILL ON BOTTOM

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-7-81 Day From Spud 13 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations Ø AT 3365 Ft. W/ Bit # 6 Footage Past 24 Hr. 174

Surveys 3228 - 4° 3361 - 3¾°

MUD CHECK

WT 9.5 VIS 49 WL 4.8 PV 22 YP 10 GELS 3/5

pH 9.5 Pm Cl 400 CAKE 2 /32 Sol 9.5 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 9-GEL 6-BAR 6-CAUSTIC 10-DAP
10-Q 2-DEF

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
5	8¾	F-3	2184	AX 4794	1054	87½	900	12	67
6	8¾	ATJ	3228	RS 2050	127	10½	900	12	85

REMARKS

9 - Ø
2 - T.O.H. BIT # 5
1¼ - T.I.H. BIT # 6
½ - WASH 40' TO BOTTOM
20' OF FILL
3 - Ø
¼ - RIG SERVICE
7¼ - Ø
½ - SURVEY
¼ - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1230	
DAILY	2700	
FUEL	900	
BIT #6	1800	
10%	1334	
TOTAL	14769	269,480

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-6-81 Day From Spud 12 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations Ø AT 3191 Ft. W/ Bit # 5 Footage Past 24 Hr. 123

Surveys 3065 - 4½°

MUD CHECK

WT 9.5 VIS 46 WL 4.0 PV 24 YP 13 GELS 4/7

pH 9.5 Pm Cl 400 CAKE 2 /32 Sol 9.0 %

SD TR % OIL % CA 20 PF/MF

MUD ADDED: 4 - CAUST 13 - GEL 5 - BAR 11 - RAPIDM
13 - Q-BROXIN 2 - DEFOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
5	8 3/4	F-3	2184	AX 4784	1007	78 1/2	900	12	60

REMARKS

6 - Ø
1/2 - SURVEY
1 - [illegible] TRIP
1/2 - REAM 30' TO BOTTOM
12 - Ø
1/4 - RIG SERVICE
2 3/4 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	
WTR	70	
MUD	1275	
DAILY	2700	
FUEL	800	
10%	1158	
TOTAL	12,738	254,811

DIAMOND SHAMROCK CORPORAT

DAILY DRILLING REPORTS

Date 7-3-81 Day From Spud 9 E.W. 6600

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations Ø AT 2306 Ft. W/Bit # 5 Footage Past 24 Hr. 152'

Surveys 3 1/2° - 2184'

MUD CHECK

WT 9.5 VIS 50 WL 4.4 PV 26 YP 16 GELS 4/8
pH 9.0 Pm ___ Cl 400 CAKE 2 /32·Sol 9 %
SD TR. % OIL ___ % CA 20 PF/MF ___

MUD ADDED: 15 - GEL 11 Q-BROXIN 11 - CARBONOX
5 - CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
4	8 3/4	F-2	1710	ER 365	474	40 1/2	900	20	55
5	8 3/4	F-3	2184	AX 4784	122	11 1/4	900	20	60

REMARKS

10 - Ø
1/4 - Survey
3/4 - Trip Out
3/4 - Trip In
1/2 - Circ 10' of fill
8 1/2 - Ø
1/4 - Rig Service
2 3/4 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	60,615
WTR	70	630
MUD	1042	7,129
Daily	2700	
Fuel	800	
Bit #5/[illegible]	6000	
	1735	
TOTAL	19,082	216,196

Ø Basalt to 2213
Ø Shale 2213 to 2306' 25'/Hr.
Expect to go Shale to Basalt

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-2-81 Day From Spud 8 E.W. 6602

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations ø AT 2154 Ft. W/Bit # 4 Footage Past 24 Hr. 394

Surveys 2 3/4° @ 1964

MUD CHECK

WT 9.5 VIS 50 WL 4.6 PV 28 YP 14 GELS 4/8

pH 10.5 Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 30 PF/MF

MUD ADDED: 8 GEL, 12 Q BROXIN, 12 CARBONOX
6 CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
4	8 3/4	F2	1710	BR3625	444	30 1/2	900	20	55

REMARKS

1 1/2 ø
1/2 CIRC SAMPLES -
290 u C1 @ 1792'
6 1/4 ø
1/4 RS
1 ø
1/2 SURVEY
14 ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	53,880
WTR	70	560
MUD	1077	6,087
RENTAL	2760	
FUEL	800	
10%	1138	
TOTAL	12,520	197,114

ø BASALT DOWN TO 1798'
ø SHALE FROM 1798' TO 2120'.
ø BASALT FROM 2120' TO PRESENT DEPTH
ø 4 FT / HR

HAD GAS SHOWS FROM FRACTURES AT
BASE OF BASALT.

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 7-1-81 Day From Spud 7 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations ø AT 1760 Ft. W/Bit # 4 Footage Past 24 Hr. 194

Surveys 1729 - 3 1/2°

MUD CHECK

WT 9.4 VIS 51 WL 5.2 PV 26 YP 16 GELS 4/8

pH 9.0 Pm CI 400 CAKE 2 /32-Sol 8 %

SD TR % OIL % CA 40 PF/MF

MUD ADDED: 15 BAR, 12 GEL, 10 CARBONOX
10 QBROXIN, 2 CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
2	8 3/4	OSC3AJ	980	DP719	716	27	900	8	120
3	8 3/4	DTJ	1696	BS2066	14	4 1/4	900	12	100
4	8 3/4	F2	1710	BR3625	50	7 3/4	900	20	55

REMARKS

5 1/2 ∅
1/2 CIRC
2 1/2 TRIP FOR BIT #3
1 WASH 50' TO BOTTOM
4 1/4 ∅
1/4 SURVEY
2 TRIP FOR BIT #4
1/4 WASH 10' TO BOTTOM
7 3/4 ∅

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	47,145
WTR	70	490
MUD	1078	5010
RENT	2760	
FUEL	800	
BIT 2,3&4	5900	
10%	1728	
TOTAL	19,011	184,594

∅ IN BASALT THIS A.M.
F2 HAS BEEN IN BASALT SINCE RUN

DENNIS MANN – MOBILE YJ5-6993
ASTORIA MOTEL – 325-2921 Room 34

DIAMOND S. .MROCK CORPORATI

DAILY DRILLING REPORTS Date 6-30-81 Day From Spud 6 E.W. 6000

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations ∅ AT 1566 Ft. W/Bit # 2 Footage Past 24 Hr. 586

Surveys 1034-5° 1126-3½° 1230-3½ 1352-4° 1445-2°

MUD CHECK

WT 9.2 VIS 51 WL 5.2 PV 23 YP 16 GELS 4/9

pH 9.2 Pm CI 500 CAKE 2 /32-Sol 7 %

SD TR % OIL % CA 60 PF/MF

MUD ADDED: 18-GEL 1-CAUSTIC 1-CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
2	8 3/4	OSC3AJ	980	DP719	586	21 1/2	900	8	120

REMARKS

COST SUMMARY

2½ - Ø
¼ - RIG SERVICE
¾ - Ø
½ - SURVEY
4 - Ø
½ - SURVEY
3¼ - Ø
¼ - SURVEY
2¾ - Ø
¼ - RIG SERVICE
1½ - Ø
¼ - SURVEY
2 - Ø
½ - SURVEY
4¾ - Ø

	DAY	CUM
Rig/Ftg.	6735	40,410
WTR	70	420
MUD	236	3932
	2700	
	800	
BIT#1	18.	
10%	1144	
TOTAL	12,585	165,583

DIAMOND SHAMROCK CORPORATI

DAILY DRILLING REPORTS

Date 6-29-91 Day From Spud 5 E.W. 66.00

Well Name Crown Zellerbach 31-17 County State Clatsop / Oregon

Operations Ø Cement AT 960 Ft. W/Bit # 2 Footage Past 24 Hr. -0-

Surveys

MUD CHECK

WT 9.3 VIS 56 WL 6.4 PV 24 YP 14 GELS 5/15

pH 10.0 Pm CI 500 CAKE 2 /32 Sol 5 %

SD TR % OIL % CA 90 PF/MF

MUD ADDED: 6-Q-BROXIN 6-CC16 5-SODA ASH 2-BICARB

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
2	8¾	OSC3A	980	D7719	-0-	-0-	800	9000	110

REMARKS

6 - W.O.C.
11 - N.U. B.O.P.
1 - T.I.H. FOR TEST
1 - REPAIR LEAKS
2½ - TEST B.O.P. TO 1000#
½ - T.I.H. TAG CEMENT AT 910
2 - Ø CEMENT

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	33,675
WTR	70	350
MUD	709	3,696
Rental	2700	
Fuel	800	
Haul	7270	
10%	1828	
Casing	16154	
TOTAL	36,266	152,998

DIAMOND S AMROCK CORPORATI

DAILY DRILLING REPORTS

Date 6-28-81 Day From Spud 4 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations W.O.C. AT 980 Ft. W/Bit # 1 Footage Past 24 Hr. 144

Surveys 980-4°

MUD CHECK

WT 9.3 VIS 55 WL PV YP GELS

pH Pm Cl CAKE /32 Sol %

SD % OIL % CA PF/MF

MUD ADDED: 2-QBROXIN 2-CC-16 2-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1RR	12½	DST	30	EN7044	950	48¼	500	10	130

REMARKS

2½ - 0

¼ - RIG SERVICE

½ - UNPLUG FLOW LINE

4 - 0

½ - SURVEY MISRUN

3 - 0

3¼ - UNPLUG FLOW LINE

1¼ - 0 TO 980

1 - CIRC

1¼ - T.O.H.

2½ - R.U. CASERS & T.O.H. W/ 23 JTS 9⅝" 36.0# K-55 ST&C, SHOE/INSERT FLOAT & LANDING JT. LANDED @ 976.87' KB

3 - R.U. HALCO & WASH 8' TO BOTTOM. CEMENTED W/ 650 SXS. "G" W/ 2% CaCl PLUG DOWN @ 2 A.M.

4 - W.O.C.

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	26940
WTR	70	280
MUD	342	2997
TRUCK	2700	
FUEL	800	
Csg. Acc.	10363	
Cem.	9048	
10%	3006	
TOTAL	33064	116732

DIAMOND S MROCK CORPORATI

DAILY DRILLING REPORTS

Date 6-27-81 Day From Spud 3 E.W. 6652

Well Name CROWN ZELLERBACH 31-17 County State CLATSOP / OREGON

Operations 0 AT 836 Ft. W/Bit # 1 Footage Past 24 Hr. 318

Surveys 484-3° 630-2½° 804-4°

MUD CHECK

WT 9.0 VIS 52 WL PV YP GELS

pH Pm Cl CAKE /32 Sol %

SD % OIL % CA PF/MF

MUD ADDED: 31-GEL 11-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	13½	DSJ	30	BN7044	806	37½	500	9000	120

REMARKS

½ - SURVEY
3½ - Ø
½ - SURVEY
¼ - Ø
1¼ - UNPLUG FLOW LINE
1½ - Ø
¾ - UNPLUG FLOW LINE
1¾ - Ø
1 - UNPLUG FLOW LINE
1¾ - Ø
1 - T.O.H. LOST CENTER JET
1¼ - WELD CENTER JET BACK IN
¾ - T.I.H.
4¾ - Ø
½ - SURVEY
2 - Ø

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	20,205
WTR	70	210
MUD	1268	2,645
Daily	2700	
Fuel	800	
10%	[illegible]	
TOTAL	12,840	83,666

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925 6993
[illegible]
325-6921 Rm. 34

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 6-26-81 Day From Spud 2 E.W. 6668

Well Name Crown Zellerbach 31-17 County / State Columbia / Oregon

Operations SURVEY AT 518 Ft. W/Bit # 1 Footage Past 24 Hr. 455

Surveys

MUD CHECK

WT 9.0 VIS 55 WL PV YP GELS

pH Pm Cl CAKE /32-Sol %

SD % OIL % CA PF/MF

MUD ADDED: 27 - GEL 1 - CEDAR FIBER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1 RR	13½	DST	30'	BN7044	488	22	600	9.	120

REMARKS

COST SUMMARY

3 - ϕ
½ - T.O.H. INSTALL CENTER JET
1 - REPAIR LEAK IN S.P.
5½ - ϕ
¾ - REPAIR LEAK IN S.P.
3 - ϕ
1 - UNPLUG FLOW LINE
3¼ - ϕ
1½ - UNPLUG FLOW LINE
4½ - ϕ

	DAY	CUM
Rig/Ftg.	6735	13,470
WTR	70	140
MUD	292	1,277
DAILY	2700	
LOCATION	17,500	
FUEL	800	
10%	2810	
TOTAL	30,907	70,826

DIAMOND SHAI CK CORPORATI

DAILY DRILLING REPORTS

Date 6-25-81 Day From Spud 1 E.W. 6602

Well Name CROWN ZELLERBACH 31-17 County / State CLATSOP / OREGON

Operations ϕ AT 63 Ft. W/Bit # 1 Footage Past 24 Hr. 33

Surveys

MUD CHECK

WT 9^{0} VIS 50 WL PV YP GELS

pH Pm Cl CAKE /32-Sol %

SD % OIL % CA PF/MF

MUD ADDED: 54 - GEL 3 - CAUSTIC 22 - BAROID 2 - CEDAR FIBER
1 - GISREXIN

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1RR	13½	DST	30'	BN7044	33	2¾	200	6500	110

REMARKS

2 - RIG UP
2¼ - R.U. FLOW LINE
8¼ - ϕ RAT HOLE
¼ - REPAIRS
7¾ - ϕ MOUSE
½ - RIG UP TO SPUD
¼ - UNPLUG FLOW LINE
2¾ - ϕ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	6735
WTR	70	70
MUD	985	985
DAILY	2700	
FUEL	800	
MOBILIZATION	25000	
10%	3629	
TOTAL	39,919	39,919