

DIAMOND & MROCK CORPORAT

DAILY DRILLING REPORTS

Date 3-11-81 Day 1 From 1 E.W. 6601
 Spud

Well Name BOISE PASSAGE 11-14 County LATOP State OREGON

Operations φ AT 360 Ft. W/Bit # 1 Footage Past 24 Hr. 340

Surveys _____

MUD CHECK

WT 9² VIS 65 WL _____ PV _____ YP _____ GELS _____
 pH 10 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
1	13/8	MSJ	20	202418	340	16 1/4	200	8	90

REMARKS _____

COST SUMMARY

	DAY	CUM
SPUNDED AT 9 A.M. 3-10-81	4360	31,360
3/8 - RIG'UD SWACC EQUIP.	-	
16 1/4 - φ	803	803
1/2 - TRIP TO TIGHTEN BIT	1000	1,000
1 1/2 - INSTALL FLOW SENSOR	750	750
1/2 - UNPLUG FLOW LINE	850	850
	10%	976
TOTAL	10,739	35,739

3/8 - R.U. SWACC

3/8 - φ

1/4 - INSTALL FLOW SENSOR

4 - φ

1/2 - TRIP TO TIGHTEN BIT

3/4 - φ

1/2 - UNPLUG FLOW LINE

5/8 - φ

DIAMOND SHAMROCK CORPORA

DAILY DRILLING REPORTS

Date 3-12 Day From 2 E.W. 6601
Spud

Well Name BOWEN CASCADE 11-14 County PLATON State OREGON

Operations φ AT 576 Ft. W/Bit # 1 Footage Past 24 Hr. 216

Surveys _____

MUD CHECK

WT 92 VS 50 WL 63 PV 31 YP 18 GELS 4/9
pH 10 Pm _____ CI 200 CAKE 2 /32 Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 20-GEL 1-CCIL 2-GBROXIN 1-AUSTIC
3-BMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	13 1/2	DSB	20	30245	556	3 1/4	400	15	90

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6360	37420
WTR	300	300
MUD	983	1786
ENTERAL	1000	2000
LOSSER	700	1500
Other	550	1700
10%	1024	
TOTAL	11267	27026

15 - φ
1/2 - CURC
1/4 - WIRE TIE
1/4 - RIG SERVICE
2 3/4 - MAIN FLOW LINE
1 1/2 - REPAIRS (STAND PIPE)
1 - WELD FIT IN FLOW LINE
1/4 - WELD FIT IN FLOW LINE

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-13 Day From 3 E.W. 6601
Spud

Well Name FOSS CASCADE 11-14 County State CLATSOP / OREGON

Operations TRIPPING AT 772 Ft. W/Bit # 2 Footage Past 24 Hr. 196

Surveys _____

MUD CHECK

WT 9.1 VS SD WL 6.5 PV _____ YP _____ GELS _____
PH 9.5 Pm _____ CI _____ CAKE _____ /32 Sol _____ %
SD _____ % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 13-DMS 3-TERRAP TRIM 1-GLYCOLIC 5-GEROXIN

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1	12 1/2	DSW	20	20242	575	34 1/4	400	15	90
2	13 1/2	DSW	595	202044	174	13 1/5	700	8	90

REMARKS _____

COST SUMMARY

1 - WORKING FLOW LINE
16 1/2 - d
5 1/2 - TRIP
1 - CIRC. ROAD

	DAY	CUM
Rig/Ftg.	6360	44050
WTR	300	600
MUD	1579	3365
ROSTER	1100	3100
LEGGER	750	2250
CONS.	950	2550
10%	1094	
TOTAL	12,033	59,039

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-14 Day From 4 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 Country State CLATSOP / OREGON

Operations N.U.B.O.P. AT 772 Ft. W/Bit # 2 Footage Past 24 Hr. 0

Surveys 1° @ 772

MUD CHECK

WT 9¹ VIS 50 WL _____ PV _____ YP _____ GELS _____
pH 9⁵ 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
<u>1 - RIG</u>	<u>6360</u>	<u>50400</u>
<u>3/4 - TRIP FOR UPPER RUN</u>	<u>—</u>	<u>600</u>
<u>1/4 - RIG</u>	<u>—</u>	<u>3365</u>
<u>1 - TRIP OUT</u>	<u>RESTAL 1100</u>	<u>4000</u>
<u>1/4 - R.U. PASSE</u>	<u>LOGGR 700</u>	<u>3000</u>
<u>3 - RUN PASSE RE FOOTAGE</u>	<u>CON 850</u>	<u>3400</u>
<u>12 HRS 95% 36# K-55</u>	<u>10% 906</u>	
TOTAL	9966	69005

STR. SWISS SHOE JOBERT FLOAT, 17' LANDING

ST = 770.40' LARDED @ 766.40' RE 3PM.

(U) 535 SAS "G" PLUS LOGD AT 4 PM 3-13

2 - W.O.P

2 - N.U.B.O.P

DIAMOND SHAMROCK CORPORAT

DAILY DRILLING REPORTS

Date 3-16-81 Day From 6 E.W. 6601
Spud

Well Name BOISE CANYON 11-14 County State CLATSOP / OREGON

Operations REPAIRS AT 893 Ft. W/Bit # 3 Footage Past 24 Hr. 121

Surveys _____

MUD CHECK

WT RE VS 45 WL RE PV 24 YP 10 GELS 3/3
PH 10⁵ Pm _____ CI 300 CAKE 2 /32 Sol 8 %
SD TR % OIL _____ % CA 40 PF/MF _____

MUD ADDED: 10 - GMS 1 - AUGUSTIC 2 - G 5 - MASH

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>3</u>	<u>8 1/4</u>	<u>BIT</u>	<u>772</u>	<u>RD 424</u>	<u>121</u>	<u>5 1/4</u>	<u>300</u>	<u>2</u>	<u>90</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>5/8 - W.O.B. C.P. PARTS</u>	<u>6360</u>	<u>63160</u>
<u>2/8 - N.U. P.O.P.</u>	<u>150</u>	<u>750</u>
<u>2 - PRESSURE TEST PIPE FITTING</u>	<u>1006</u>	<u>4731</u>
<u>HYDRA CHECK LINES + STAND</u>	<u>2700</u>	
<u>PIPE</u>	<u>1977</u>	
	<u>1200</u>	
	<u>3044</u>	
<u>3 - 6 CEMENT JOBS</u>	<u>11368</u>	
<u>1/8 - REPAIR STAND LINES</u>	<u>44805</u>	<u>145790</u>

5/4 - 6
5/4 - REPAIR AIR REGULATOR ON PUMP #1, VALVE ON
PUMP #2 AND CENTRIFUGAL MUD MIXER

DIAMOND SURMCK ROCK CORPORATION

DAILY DRILLING REPORTS

Day _____
 Date 5-19-81 From 8 E.W. 6601
 Spud _____

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations REPAIRS AT 900 Ft. W/Bit # 3 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
3	8 3/4	NTS	772	EB41864	156	6 1/2	700	8	90

REMARKS _____

COST SUMMARY

24 - REPAIRS

TOTAL DOWN HOURS = 54
HOURS. SHOULD BE BACK
TO 7 BY 8:00 A.M.

	DAY	CUM
Rig/Ftg _____		
WTR _____		
MUD _____		
DAILY _____	2700	
10% _____	270	
TOTAL _____	2970	154,720

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date: 2-19-81 Day From 9 E.W. 12001
Spud

Well Name Ex. Caspian 11-11 County CLAYSON State DELR.

Operations 7 AT 1391 Ft. W/Bit # 3 Footage Past 24 Hr. 112

Surveys _____

MUD CHECK

WT 9.5 VIS SD WL 40 PV 27 YP 16 GELS 4/9
pH 10.5 Pm _____ CI 300 CAKE 0 /32 Sol 7.5 %
SD 1/2 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: _____

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
3	8 3/4	SEA	370	804224	604	25 1/2	300	12	90

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	5900	69000
WTR	40	790
MUD	259	5435
DAILY	2700	
TRUCKS	1600	
10%	1110	
TOTAL	12,209	126,929

55 3/4 - TOTAL DOWN TIME

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-20-81 Day From 10 E.W. 6601
Spud

Well Name BOISE CASSEDE 11-14 County CLATSOP State OREGON

Operations φ AT 1685 Ft. W/Bit # 4 Footage Past 24 Hr. 289

Surveys 1424-1^o

MUD CHECK

WT 95 VIS 48 WL 5 PV 31 YP 19 GELS 4/9
pH 10 Pm _____ CI 300 CAKE 2 /32-Sol 9 %
SD 1/2 % OIL _____ % CA 30 PF/MF _____

MUD ADDED: 9-GRACKIC 1-DEFORMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
3	8 3/4	TRIP	772	224824	650	30	300	12	90
4	8 3/4	F2	1424	223779	261	15 1/4	300	20	60

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6360	75420
WTR	200	810
MUD	415	5245
DAILY	2700	
10%	950	
TOTAL	10425	177234

20 1/4 - φ
3 - TRIP
3/4 - OIL AND FLOW LINE

BASALT SECTION 1421 - 1438
SHALE & CLAY

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-31-81 Day From 11 E.W. 6601
Spud

Well Name ROSS PASSAGE 11-11 County State CLATSOP / OREGON

Operations φ AT 2155 Ft. W/Bit # 4 Footage Past 24 Hr. 470

Surveys _____

MUD CHECK

WT 98 VIS 53 WL 42 PV 31 YP 17 GELS 5/10
pH 9.8 Pm _____ CI 200 CAKE 2 /32-SOL 10 %
SD 1/4 % OIL _____ % CA 25 PF/MF _____

MUD ADDED: 9-G-ATOXID 1-DAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
4	8 3/4	F-2	1424	B0317A	331	39 3/4	900	18	70

REMARKS _____

24-φ

COST SUMMARY

	DAY	CUM
Rig/Ftg	<u>6300</u>	<u>81,750</u>
WTR	<u>20</u>	<u>830</u>
MUD	<u>353</u>	<u>6,198</u>
10%	<u>943</u>	
TOTAL	<u>10,376</u>	<u>187,750</u>

DIAMOND & ROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-22-81 Day 12 From E.W. 6601
SpudWell Name BOISE CASCADE 11-14 County CLATSOP State OREGONOperations φ AT 3550 Ft. W/Bit # 4 Footage Past 24 Hr. 425Surveys 3°-2185

MUD CHECK

WT 10⁵ VIS 60 WL 3⁵ PV 30 YP 19 GELS 4/11
PH 95 Pm _____ CI 200 CAKE 0 /32-Sol 10 %
SD 4 % OIL _____ % CA 20 PF/MF _____MUD ADDED: 6-GEL 10-ROCKBOX 15-1-BROWN
4-CASSETTE

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
4	8 ³ / ₄	F-2	1424	B33178	1156	6325	800	20	70

REMARKS _____

23 1/2 - φ
1/2 - SURVEY

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6365	88,140
WTR	27	850
MUD	925	7,095
DACT	2700	
K/C	998	
TOTAL	10,975	198,725

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-23-81 Day From 13 E.W. 6601
 Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations 7 AT 2943 Ft. W/Bit # 11 Footage Past 24 Hr. 367

Surveys _____

MUD CHECK

WT 100 VIS 1.8 WL 33 PV 42 YP 11 GELS 3/4
 PH 25 Pm _____ CI 300 CAKE 2 /32-Sol 11 %
 SD 1/2 % OIL _____ % CA 50 PF/MF _____

MUD ADDED: 4 - BALLS 50 - BALLS 15 - BALLS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
4	5 3/4	F-2	1404	21312	1522	27	300	20	30

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>2 3/4 - 7</u>	Rig/Ftg. <u>6360</u>	<u>94,500</u>
<u>1/4 - PUMP REPAIR</u>	WTR <u>207</u>	<u>1,050</u>
	MUD <u>1257</u>	<u>8,350</u>
	DAILY <u>2700</u>	
	10% <u>1052</u>	
	TOTAL <u>11,569</u>	<u>210,294</u>

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-24 Day From 14 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP, OREGON

Operations φ AT 3172 Ft. W/Bit # 5 Footage Past 24 Hr. 225

Surveys 3086' - 1/4°

MUD CHECK

WT 10³ VIS 58 WL 4 PV 37 YP 14 GELS 3/6
PH 9⁵ Pm _____ CI 300 CAKE 2 /32-Sol 12 %
SD 1/2 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 32 - GEROXIN 14 - CARB 6 - CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
4	8 3/4	F-2	1424	B33175	1662	95 3/4	800	20	70
5	8 3/4	F-2	3086	BK551	86	7 3/4	800	20	70

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>4 1/2 - φ</u>	6360	100,860
<u>1/4 - CHANGE SHAKER SCREENS</u>	20	1,070
<u>4 1/4 - φ</u>	1612	9,964
<u>1/4 - CIRB</u>	2700	
<u>1/4 - SURVEY</u>	1069	
<u>6 - TRIP</u>		
<u>3/4 - UNPLUG BIT & CLEAN</u>		
TOTAL	11,761	222,055

FLOW LINE

7 3/4 - φ

BASALT FROM 3086 - 3100 FRACTURED

DIAMOND SURFROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-26-81 Day 16 From E.W. 6601
SpudWell Name BOISE CASCADE 11-14 County CLATSOP State OREGONOperations Ø AT 3595 Ft. W/Bit # SRR Footage Past 24 Hr. 100Surveys 3504-2°

MUD CHECK

WT 10³ VIS 52 WL 4² PV 27 YP 11 GELS 3/6
PH 9² Pm _____ CI 300 CAKE 2 /32-Sol 12 %
SD 1/2 % OIL _____ % CA 20 PF/MF _____MUD ADDED: 7 - GIBOXIN 11 - CARZBOROX 3 - CAUSTIC
4 - DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
5	F-3/4	F-2	3086	BK0551	409	30 1/2	900	20	70
6	F-3/4	F-3	3195	AX1907	9	1 3/4	900	25	60
SRR	F-3/4	F-2	3504	BK0551	91	6	900	20	60

REMARKS _____

COST SUMMARY

	DAY	CUM
1/4 - SURVEY		
13/2 - TRIP		
2 1/2 - BEAM 100' TO BOTTOM		
7 3/4 - Ø		
TOTAL	11211	244,198

	DAY	CUM
Rig/Ftg.	6360	113,580
WTR	200	1,520
MUD	930	11,524
DAILY	2700	
10%	1019	
TOTAL	11211	244,198

DIAMOND SURFACE BORING CORPORATION

DAILY DRILLING REPORTS

Date 3-27-81 Day From 17 E.W. 6601
Spud

Well Name Boise Cascade 11-14 County Clatsop State Oregon

Operations φ AT 3935 Ft. W/Bit # SRR Footage Past 24 Hr. 340

Surveys _____

MUD CHECK

WT 10¹ VIS 52 WL 3^E PV 26 YP 15 GELS 3/6
 PH 9.5 Pm _____ CI 300 CAKE 2 /32-Sol _____ %
 SD 1/4 % OIL _____ % CA 20 PF/MF _____

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

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
SRR	8 3/4	F-2	3504	BKROSS	431	29 1/4	1000	20	60

REMARKS _____

6 1/4 - φ
1/4 - pump repair
17 1/2 - φ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	7,400	120,980
WTR	200	1,720
MUD	12,822	12,806
Daily	2,700	
10%	1,158	
TOTAL	12,740	256,938

DIAMOND SH. MROCK CORPOR.

DAILY DRILLING REPORTS

Date 3-28-81 Day From 18 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations 7 AT 4282 Ft. W/Bit # 532 Footage Past 24 Hr. 347

Surveys _____

MUD CHECK

WT 10⁰ VIS 45 WL 36 PV 21 YP 12 GELS 3/5
PH 9³ Pm _____ CI 300 CAKE 2 /32-Sol 10 %
SD 1/4 % OIL _____ % CA _____ PF/MF _____

MUD ADDED: 1- GELFOXID 2- GAUETIC 4- DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUH	PUMP PRESS.	WOB	RPM
<u>532</u>	<u>2 3/4</u>	<u>F-2</u>	<u>3604</u>	<u>81051</u>	<u>778</u>	<u>533 1/4</u>	<u>1000</u>	<u>20</u>	<u>60</u>

REMARKS _____

24-7

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>1360</u>	<u>127340</u>
WTR	<u>500</u>	<u>1900</u>
MUD	<u>942</u>	<u>13748</u>
DAILY	<u>2700</u>	
REMARKS	<u>500</u>	
10%	<u>1053</u>	
TOTAL	<u>11583</u>	<u>262521</u>

DIAMOND SURMCK ROCK CORPORAT

DAILY DRILLING REPORTS

Date 3-29-81 Day From 19 E.W. 4651
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 459.2 Ft. W/Bit # SER Footage Past 24 Hr. 300

Surveys _____

MUD CHECK

WT 9.8 VIS 42 WL 3¹⁶ PV 20 YP 12 GELS 3/5
pH 9.5 Pm _____ CI 300 CAKE 2 /32-Sol 10 %
SD 1/2 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 12-GEL 1-DEFROX 1-DREROX
3-ARUSTIC 4-NOS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
SER	8 3/4	F-2	350+ EXCESS		1038	77 1/2	1000	20	60

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6360	133,700
WTR	200	2,100
MUD	640	14,388
DRILL	2700	
10%	990	
TOTAL	10890	279,411

23 3/4 - φ

1/2 - RIG SERVICE

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 3-30-81 Day From 20 E.W. 6651
Spud

Well Name BOISE CASCADE 11-14 County State PLATEAU / MISSISSIPPI

Operations φ AT 4677 Ft. W/Bit # 7 Footage Past 24 Hr. 95

Surveys 4591 - 3/4°

MUD CHECK

WT 98 VIS 48 WL 36 PV 23 YP 16 GELS 3/6
PH 95 Pm _____ CI 300 CAKE 2 /32-Sol 10% %
SD 1/5 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 3-GEL 1-AUSTIN 1-TRIS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>517</u>	<u>9 3/4</u>	<u>F-2</u>	<u>2504</u>	<u>EXCESS</u>	<u>1077</u>	<u>79 1/2</u>	<u>1000</u>	<u>20</u>	<u>60</u>
<u>7</u>	<u>9 3/4</u>	<u>F-2</u>	<u>4591</u>	<u>EXCESS</u>	<u>86</u>	<u>6</u>	<u>1000</u>	<u>20</u>	<u>60</u>

REMARKS

COST SUMMARY

2-φ
1/2-DIAMONDITE
1/2-SURVEY
1-TRIP
B-WASH TUB TO BOTTOM -
TRENCH CLAY BALL ANFIB
FROM 2500 TO BOTTOM.
70' OF FILL COLLECTION
6-φ

	DAY	CUM
Rig/Ftg.	<u>6360</u>	<u>140,060</u>
WTR	<u>200</u>	<u>2,320</u>
MUD	<u>134</u>	<u>14,542</u>
DAILY	<u>2700</u>	
10%	<u>941</u>	
TOTAL	<u>10,355</u>	<u>289,762</u>

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

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

Well Name BR 55 CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 4955 Ft. W/Bit # 7 Footage Past 24 Hr. 278

Surveys _____

MUD CHECK

WT 98 VIS 50 WL 3^S PV 36 YP 16 GELS 5/11
PH 9^S Pm _____ CI 300 CAKE 2 /32-Sol 10 %
SD 1/2 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 10-GEL 3-CAUSTIC 4-DMS

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>F2</u>	<u>4591</u>	<u>B11682</u>	<u>364</u>	<u>28</u>	<u>1000</u>	<u>50</u>	<u>55</u>

REMARKS _____

8 1/4 - φ
2 - CLEAN SHALE PITS
13 3/4 - φ

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6365</u>	<u>146,400</u>
WTR	<u>200</u>	<u>2,520</u>
MUD	<u>566</u>	<u>15,100</u>
DAILY	<u>2300</u>	
TRUCKING	<u>2134</u>	
10%	<u>1196</u>	
TOTAL	<u>13156</u>	<u>309,920</u>

DIAMOND SPARK ROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-1-81 Day From 22 E.W. 6661
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 5160 Ft. W/Bit # 7 Footage Past 24 Hr. 205

Surveys _____

MUD CHECK

WT 9² VIS SS WL 4² PV 27 YP 15 GELS 4/11
PH 9⁵ Pm _____ CI 300 CAKE 2 /32-SOL 9 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 8-GBROXIN 6-CARBONEX 4-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>7</u>	<u>8³/₄</u>	<u>F-2</u>	<u>4591</u>	<u>B3162</u>	<u>479</u>	<u>44¹/₂</u>	<u>1000</u>	<u>30</u>	<u>55</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>7¹/₂ - 31 STD SHORT TRIP</u>	<u>6360</u>	<u>152,780</u>
<u>TIGHT APPROX 2200'</u>	<u>—</u>	<u>2,520</u>
<u>11¹/₂ - φ</u>	<u>532</u>	<u>15,640</u>
	<u>DAILY 2700</u>	
	<u>10%</u>	<u>959</u>
TOTAL	<u>10551</u>	<u>313,473</u>

DIAMOND DRILLING CORPORATION

DAILY DRILLING REPORTS

Date 4-2-81 Day From 23 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP, OREGON

Operations SHORT TRIP AT 5412 Ft. W/Bit # 7 Footage Past 24 Hr. 252

Surveys _____

MUD CHECK

WT 97 VIS 45 WL 48 PV 18 YP 10 GELS 3/6
PH 95 Pm _____ CI 300 CAKE 2 /32 Sol 9 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 2 - PIRROXIN 2 - CARBONOX
6 - CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7	8 3/4	F-2	4591	B21682	821	67 1/2	1000	30	55

REMARKS _____

COST SUMMARY

3/4 - φ
1/4 - R.S.
19 3/4 - φ
3/4 - SHORT TRIP

	DAY	CUM
Rig/Ftg.	6360	159,140
WTR		2,520
MUD	635	16,275
DAILY	2700	
10%	970	
TOTAL	10,665	324,138

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-3-81 Day From 24 E.W. 6660
Spud

Well Name BOISE CASCADE 11-14 County CHATCOFF State OREGON

Operations φ AT 5453 Ft. W/Bit # 6RTS Footage Past 24 Hr. 41

Surveys 5412'-10"

MUD CHECK

WT 9⁶ VIS 61 WL 4⁸ PV 26 YP 20 GELS 7/16
pH 9⁵ Pm _____ CI 300 CAKE 2 /32-Sol 9 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: _____

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>4591</u>	<u>BV1682</u>	<u>821</u>	<u>67 1/2</u>	<u>1000</u>	<u>30</u>	<u>55</u>
<u>6RTS</u>	<u>8 3/4</u>	<u>F-3</u>	<u>5412</u>	<u>AK6907</u>	<u>41</u>	<u>5</u>	<u>1000</u>	<u>30</u>	<u>55</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>10 - TRIP TIGHT FOR 7 STDS</u>	Rig/Ftg. <u>6360</u>	<u>165,500</u>
<u>2 - WAPLUG BIT</u>	WTR _____	<u>2,528</u>
<u>7 - CIRCULATE BRIDGES - WASH</u>	MUD _____	<u>16,275</u>
<u>DAILY</u>	<u>2700</u>	
<u>REAM FROM 4962 TO BITCM 10%</u>	<u>906</u>	
<u>5 - φ</u>		
TOTAL	<u>9966</u>	<u>334,104</u>

Now φ 12.15' / HR

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-4-81 Day From 25 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 5522 Ft. W/Bit # 8 Footage Past 24 Hr. 69

Surveys 5509' - 1°

MUD CHECK

WT 9² VIS 62 WL 4^B PV 29 YP 18 GELS 4/12
PH 9² Pm _____ CI 300 CAKE 2 /32-Sol 10 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 16-GEL 5-AUSTIC 5-GBROYIN 3-CARBONX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>6735</u>	<u>2 3/4</u>	<u>F-3</u>	<u>5412</u>	<u>RY6907</u>	<u>97</u>	<u>16 3/4</u>	<u>1000</u>	<u>30</u>	<u>55</u>
<u>8</u>	<u>2 3/4</u>	<u>NTS</u>	<u>5509</u>	<u>BB4464</u>	<u>13</u>	<u>2</u>	<u>1000</u>	<u>20</u>	<u>70</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>11 3/4 - φ</u>	<u>6735</u>	<u>172,235</u>
<u>1/4 - SURVEY</u>	<u>-0-</u>	<u>2,520</u>
<u>4 1/4 - TRIP OUT</u>	<u>545</u>	<u>16,820</u>
<u>2 3/4 - OUT φ LINE</u>	<u>Surf. 7625</u>	
<u>3 - TRIP IN</u>	<u>DAILY 2700</u>	
<u>2 - φ</u>	<u>10% 1760</u>	
TOTAL	19,365	353,469

DAILY DRILLING REPORTS

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

Well Name BOUSE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 5629 Ft. W/Bit # 9 Footage Past 24 Hr. 107

Surveys 5624 - MISTURN

MUD CHECK

WT 98 VIS 64 WL S⁶ PV 30 YP 17 GELS 5/11
PH 10⁵ Pm _____ CI 300 CAKE 2 /32-Sol 10 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 4-GEL 4-SALUSTIC 1-GEOTON 3-CARBONEX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
8	8 3/4	STTL	5509	444	115	15	1000	20	70
9	8 3/4	F-2	5624	4892	5	1/2	1000	30	55

REMARKS _____

COST SUMMARY

	DAY	CUM
13 - φ	1735	178,970
2 1/2 - REPAIR SHALE SHAKER MOTOR	- 0 -	2,520
1/4 - SURVEY	259	17,079
7/4 - TRIP	2700	
1/2 - CIRC ROTOMS UP	969	
1/2 - φ		
TOTAL	10,663	364,132

DIAMOND SHAMROCK CORP.

DAILY DRILLING REPORTS

Date 4-6-81 Day From 27 E.W. 6100
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 5821 Ft. W/Bit # 9 Footage Past 24 Hr. 192

Surveys _____

MUD CHECK

WT 98 VIS 58 WL 48 PV 28 YP 17 GELS 4/8
PH 9.5 PM _____ CI 500 CAKE 2 /32-Sol 10 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 34-GEL 4-AUSTIC 9-GEROXIN 7-CARBONX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	8 3/4	F-2	5624	AX4892	197	2 1/2	1000	30	55

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>5 3/4 - φ</u> Rig/Ftg.	<u>6735</u>	<u>178,970</u>
<u>3 - REPAIR SHALE SHAKER MOTOR</u> WTR	<u>- 0 -</u>	<u>2,500</u>
<u>1 5/4 - φ</u> MUD	<u>994</u>	<u>17,814</u>
DAILY	<u>2700</u>	
10%	<u>1043</u>	
TOTAL	<u>11,472</u>	<u>375,604</u>

DIAMOND SUMMIT ROCK CORPORATION

DAILY DRILLING REPORTS Date 3-7-81 Day From 28 E.W. 6601
 Spud

Well Name BOUSE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 5960 Ft. W/Bit # 9 Footage Past 24 Hr. 139

Surveys 5880' - 7°

MUD CHECK

WT 9^B VIS 63 WL 4⁺ PV 33 YP 21 GELS 5/11
 PH 10^E Pm _____ CI 600 CAKE 2 /32-Sol 10 %
 SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 34-GEL 5-CAUSTIC 9-GEPOXIN 6-CARBONOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	8 3/4	F-2	5634	AX4892	346	44 1/4	1000	25/30	55/70

REMARKS

2 1/4 - φ
1/4 - CHANGE
7 1/4 - φ
1/2 - CONC
1/2 - SURVEY
13 1/4 - φ

COST SUMMARY

	DAY	CUM
Rig/Ftg	6735	185,705
WTR	- 0 -	2,500
MUD	1006	18,830
DAILY	2700	
10%	1044	
TOTAL	11,485	387,069

SANDY SLTSTONE WITH SOME VOLCANICS

DIAMOND SURMOR CORP. 1

DAILY DRILLING REPORTS

Date 4-8-81 Day From 29 E.W. 6601
 Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 6087 Ft. W/Bit # 9 Footage Past 24 Hr. 127

Surveys 5981 - MISRUN 6074 - MISRUN 6074 - 1°

MUD CHECK

WT 9^b VIS 64 WL 4^b PV 31 YP 17 GELS 4/9
 PH 10³ PM _____ CI 600 CAKE 2 /32-SOL 10 %
 SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 4-GEL 8-GRAXIN 5-CARBONOX 3-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	8 3/4	F-2	5624	AX4892	463	64 3/4	1000	26/30	60/75

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	192,440
WTR	- 0 -	2,520
MUD	517	19,337
DAILY	2700	
10%	995	
TOTAL	10,947	398,036

3 - φ
 1/2 - CIRC
 1 - SURVEY
 1 1/2 - φ
 1/2 - CIRC
 3/4 - SURVEY
 3/4 - φ
 3/4 - SURVEY
 1/4 - φ

30,000# 60 RPM = 14-15 FPM

DIAMOND S. MCKROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-9-81 Day From 30 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP OREGON

Operations CRACKING #1 AT 6294 Ft. W/Bit # 9 Footage Pas: 24 Hr. 207

Surveys _____

MUD CHECK

WT 9^B VIS 61 WL 4⁶ PV 3.5 YP 10 GELS 5/10
pH 10^E Pm _____ CI 6.0 CAKE 2 /32 Sol 17 %
SD 1/1 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 18 - GEL 2 - CEMENT 6 - APPROXIN 5 - PAPER PACE
1 - W/CAFFE 4 - NMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	8 3/4	F-2	5624	AX4892	670	85.5	225	30	60

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>1 3/4 - REPLACE SHAL. SHAVER MOTOR</u>		
Rig/Ftg.	6735	199,175
WTR	-20	2,580
MUD	102	20,411
DAILY	2700	
TRUCKING	236	
10%	137	
BITS	30,333	
TOTAL	44 =	440,752

WILL TEST A MILEMITE SECTION
BOTTOM PACKER AT 6247 TD = 6200
GAS INCREASE 34 UNITS FROM 5.000 AT
6254 - 6260. 7 TIMES FROM 2.000 TO
12.000 / FT. ANTICIPATE 60-100 LBS. GAS

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-10-81 Day From 31 E.W. 6601
Spud

Well Name Base Cascade 11-14 County State Clatsop / OREGON

Operations Circ WOT AT 6294 Ft. W/Bit # 9 Footage Past 24 Hr. -0-

Surveys _____

MUD CHECK

WT 9⁸ VIS 67 WL 4.0 PV 38 YP 22 GELS 5/11
pH 10⁵ Pm _____ CI 600 CAKE 2 /32-Sol 10 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 19-GEL 16-BAROID 2-ARBIXIN 3-CARBONXY

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	8 3/4	F-2	5624	AK4892	670	85 1/2	1000	30	55

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>3 1/2 - CIRC</u>	<u>6735</u>	<u>205910</u>
<u>1/2 - R.S.</u>	<u>-0-</u>	<u>2520</u>
<u>4 - 11 STD SHORT TRIP</u>	<u>456</u>	<u>20,867</u>
<u>3 - CIRC</u>	<u>2700</u>	
<u>3 3/4 - 40 STD SHORT TRIP</u>	<u>10%</u>	
<u>6021 - 4019 TIGHT</u>		
<u>34' FILL</u>		
<u>3/4 - WASH 34' TO BOTTOM</u>		
<u>3 - CIRC</u>		
<u>3 1/4 - 40 STD SHORT TRIP</u>		
<u>NO DRAG NO FILL</u>		
<u>2 1/4 - CIRC</u>		
TOTAL	10,980	453,632

DAILY DRILLING REPORTS

Date 4-11-81 Day From 32 E.W. 6601
Spud

Well Name BEISE CASCADE 11-14 County State CLATSOP / OREGON

Operations TRIP OUT DST #1 AT 6294 Ft. W/Bit # _____ Footage Past 24 Hr. _____

Surveys 6294 - 1 1/2°

MUD CHECK

WT 98 VIS 65 WL 44 PV 38 YP 22 GELS 4/2
PH 10 Pm _____ CI 600 CAKE 2 /32-Sol 10 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 8-6EL 1-OTEROXIN 1-DATEMOX

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
9	7 3/4	F-2	5124	AY492	610	25 1/2	1000	30	55

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>7 - CIRC</u>	<u>6735</u>	<u>212,145</u>
<u>1/2 - SURVEY</u>	<u>-0-</u>	<u>2,500</u>
<u>4 - TRIP & STRAP OUT</u>	<u>225</u>	<u>21,092</u>
<u>BOARD = 6294 STRAP = 6293</u>	<u>10%</u>	<u>966</u>
<u>2 - PICK UP TEST TOOLS</u>		
<u>4 1/2 - TRIP IN DST #1</u>		
<u>1 - RIG UP SURFACE CP</u>		
<u>LOST TACKER SEAT</u>		
<u>5 - TRIP OUT - REC 1100' of mud</u>		
TOTAL	10,626	464,258

DAILY DRILLING REPORTS

Date 4-12-81 Day From 33 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations TRIP OUT DST #2 AT 6294 Ft. W/Bit # _____ Footage Past 24 Hr. _____

Surveys _____

MUD CHECK

WT 9^B VIS 70 WL 44 PV 38 YP 22 GELS 4/8
PH 10^S Pm _____ CI 650 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.	6735	219,380
WTR	-0-	2,500
MUD	-0-	21,092
DAILY	2700	
10%	944	
TOTAL	10,379	474,137

2-T.O @ DST # 1
1/4 - LAY DOWN TEST TOOLS
6/4 - TRIP IN WITH BIT
TIGHT AT 6174; 6234
5 - CIR
4/2 - TRIP OUT
1 - PICK UP TEST TOOLS
4 - TRIP IN COULD NOT GET TOOLS TO BOTTOM

DIAMOND DRAMMORG CORPORATION

DAILY DRILLING REPORTS

Date 4-13-81 Day 34 From E.W. 6601
SpudWell Name BOISE CASCADE 11-14 County CLATSOP State OREGONOperations φ AT 6375 Ft. W/Bit # 10 Footage Past 24 Hr. 81

Surveys _____

MUD CHECK

WT 9^g VIS 75 WL 4^g PV 38 YP 24 GELS 10/65
pH 9^e Pm _____ CI 400 CAKE 2 /32-Sol 10 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____MUD ADDED: 7-GEL 2-GEROXIN 1-LMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10	8 ³ / ₄	HESSIN	6294	923249	81	9 ¹ / ₄	1000	25	80

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	226115
WTR	35	2,555
MUD	231	21,323
DAILY	2700	
10 ¹ / ₂	970	
TOTAL	10,671	485,308

5 - TRIP OUT WITH DST #2
1/4 - T.R.S.
3/4 - LAY LIGN DST TOOLS
1 - CUT 7' LIRE
3/2 - TRIP IN
2 - WASH 150' TO BOTTOM
CLAY BRIDGES - NO FILL
1/4 - REPAIR.
9/4 - φ

DIAMOND S. MROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-14 Day From 35 E.W. 1660
SpudWell Name BOISE CASCADE 11-14 County State CLATSOP / OREGONOperations ∅ AT 6555 Ft. W/Bit # 10 Footage Past 24 Hr. 180

Surveys _____

MUD CHECK

WT 9^E VIS 70 WL 4^E PV 33 YP 20 GELS 5/4
pH 9^S Pm _____ CI 400 CAKE 2 /32-Sol 10 %
SD TR % OIL _____ % CA 20 PF/MF _____MUD ADDED: 5-GEL 10-ARBONIN 9-CATECOX
4-CALUSTIC 1-DEF

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10	8 3/4	HESSIN	6294	923249	261	31 1/2	1000	25	80

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>232850</u>
WTR	<u>35</u>	<u>2590</u>
MUD	<u>802</u>	<u>22185</u>
DAILY	<u>2700</u>	
Bit #10	<u>1500</u>	
10 1/2	<u>1177</u>	
TOTAL	<u>12,949</u>	<u>498,257</u>

22 1/4 - ∅
3/4 - R.S.
1 - CIRCO AT 6462'

DIAMOND SURMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-15-81 Day From 36 E.W. 6601
Spud

Well Name BOISE PASSAGE 11-14 County State CLATSOP / OREGON

Operations WASH. P. S. AT 12428 Ft. W/Bit # 10 Footage Past 24 Hr. 53

Surveys _____

MUD CHECK

WT 10⁰ VIS 68 WL 4⁴ PV 30 YP 20 GELS 4/10
pH 9⁰ Pm _____ CI 400 CAKE 2 /32-Sol 11 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 4-GEL 8-ABROXIN 8-CARBONOX
3-CAUSTIC 8-BMS 1-DEFOAM

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10	8 3/4	ESTD	1294	923249	314	37 3/4	1000	25	80

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>3 1/2 - ϕ</u>	Rig/Ftg. <u>6735</u>	<u>239,585</u>
<u>1/4 - R.S.</u>	WTR <u>35</u>	<u>2,1025</u>
<u>2 - Circ Samples at 6580</u>	MUD <u>1426</u>	<u>23,551</u>
<u>2 3/4 - ϕ to 6508'</u>	DAILY <u>2700</u>	
<u>1 1/2 - Circ</u>	10% <u>1090</u>	
<u>2 - Trip out 15 Jds</u>		
<u>12 - Wash - From Jack to Bottom</u>		
	TOTAL <u>11,986</u>	<u>510,243</u>

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-16-81 Day From 37 E.W. 6601
Spud

Well Name Base Cascade 11-14 County State CLATSOP / OREGON

Operations TRIP IN DST #3 AT 6608 Ft. W/Bit # 10 Footage Past 24 Hr. -0-

Surveys _____

MUD CHECK

WT 10³ VIS 74 WL 4² PV 40 YP 24 GELS 7/15
PH 9² Pm _____ CI 400 CAKE 2 /32-Sol 11 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 29-GEL 290-BAROID 3-CAUSTIC 6-CARBONOX
6-CARBONOX 10-BMS 1-DRISPAK

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10	8 3/4	MS513	6594	923249	314	37 3/4	1000	25	80

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>6 1/2 - REAMING TO BOTTOM-TIGHT</u>	Rig/Ftg. <u>6735</u>	<u>246,300</u>
<u>6442-6458, 6508-6520</u>	WTR <u>35</u>	<u>2,460</u>
<u>61' FILL</u>	MUD <u>4583</u>	<u>28,134</u>
<u>3 - CIRC ; RAISE WT</u>	DST #1 <u>5555</u>	
<u>3/4 - 20 STD SHORT TRIP</u>	DST #2 <u>3460</u>	
<u>NO FILL</u>	STANBY <u>2670</u>	
<u>3 - CIRC</u>	DAILY <u>2700</u>	
<u>4 1/4 - TRIP OUT</u>	10% <u>2574</u>	
<u>2 1/2 - P.M. TEST TOOLS</u>	TOTAL <u>28,312</u>	<u>538,555</u>
<u>1 1/2 - TRIP IN @ DST #3</u>		

DIAMOND SHAMROCK CORPORAT

DAILY DRILLING REPORTS

Date 4-17-83 Day From 28 E.W. 1601
Spud

Well Name Zenith (Borehole 11-14) County State Lincoln / OK

Operations TRIP IN DST #1 AT 600' Ft. W/Bit # _____ Footage Past 24 Hr. _____

Surveys _____

MUD CHECK

WT 103 VIS 71 WL 42 PV 31 YP 20 GELS 5/2
PH 9 Pm _____ CI 400 CAKE 2 /32 Sol 13 %
SD TR % OIL _____ % CA 80 PF/MF _____

MUD ADDED: 40-PAC 9-GRIBOXIN 11-DRYBRACK
3-SPARC 4-VMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10	7 3/4	HSS-L	6294	92379	2/4	27 3/4	1000	25	80

REMARKS _____

COST SUMMARY

2 1/2 - TRIP IN DST #3
1 - ATTEMPT TO TEST
5 1/2 - TRIP OUT DST #3
2 - L.D.T.T.
4 - TRIP IN (W) BIT 5' fill
3 - O.R.C.
4 1/2 - TRIP OUT (NO DRAC)
1 1/2 - P.U.T.T. FOR DST #4

	DAY	CUM
Rig/Ftg.	6735	253,055
WTR	= 0 -	2,660
MUD	1325	29,519
DAILY	2700	
10%	1082	
TOTAL	11,902	550,457

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-18-81 Day From 39 E.W. 6601
Spud

Well Name Boyer Cascade 11-14 County CLATSOP State OREGON

Operations φ AT 628 Ft. W/Bit # 10 Footage Past 24 Hr. 20

Surveys _____

MUD CHECK

WT 10' VIS 69 WL 44 PV 29 YP 20 GELS 6/15
PH 9 Pm _____ CI 400 CAKE 2 /32-Sol 12 %
SD TC % OIL _____ % CA 20 PF/MF _____

MUD ADDED: A-2 A-CARBONATE

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1022	R 3/4	HSS LN	6.08	9237A	200	5	1000	30	70

REMARKS

COST SUMMARY

	DAY		CUM
	Rig/Ftg.		
1- P.U.T.T. #4	6735	259,790	
1/4 - R.S.	- 0	2,660	
2 3/4 - TRIP IN #4	2222	29,741	
1/4 - REPAIR	DST#2 4381		
1/2 - TRIP IN DST #4	DST#4 3687		
1- INFLATE PACKERS OPEN	DAILY 2300		
TOOLS NO PACKER SEAT	10% 1773		
5- TRIP OUT DST #4	TOTAL 19,498	589,453	
2- L.L.T.T.			
4/4 - TRIP IN BIT			
1- CIR			
5 - φ			

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DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-19-81 Day 40 From E.W. 11-14
Spud

Well Name Bourse Canyon 11-14 County Clatsop State Oregon

Operations φ AT 6713 Ft. W/Bit # 11 Footage Past 24 Hr. 27

Surveys _____

MUD CHECK

WT 10.2 VIS 67 WL 44 PV 30 YP 14 GELS 4 1/2
PH 9.0 Pm _____ CI 400 CAKE 2 /32 Sol 13 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 2-GEL 11-BAT 10-G 11-BAT/COY
9-AUSTIC 8-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
10RZ	8 3/4	HEAVY	6602	923249	2101	17 3/4	1000	20	45
11	8 3/4	DT	6709	140139	6	3/4	1000	25	60

REMARKS

COST SUMMARY

	DAY	CUM
5-φ	6735	266,525
1/4 - Circ of Bourse	0	2,660
2-φ	1249	31,590
1 3/4 - Circ Samples 1190'	1700	
5 3/4 - φ	2700	
7 - Trip 1190' @ 6250	1298	
1/2 - Boring to Station		
4 TRs out - 5200		
1 TRs 4' of fill		
3/4 - φ		
TOTAL	14,282	603,735

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-20-81 Day From 41 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations TRIP FOR BIT AT 6895 Ft. W/Bit # 11 Footage Past 24 Hr. 150

Surveys _____

MUD CHECK

WT 103 VIS 69 WL 44 PV 39 YP 19 GELS 7/15
pH 9.5 Pm _____ CI 400 CAKE 2 /32-Sol 13 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 25-GEL 3-GEROXIN 4-CARBONOX 8-CAUSTIC
1-DEFORMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
11	8 3/4	STL	6709	AX0139	186	24 1/4	1000	25	60

REMARKS _____

COST SUMMARY

	DAY	CUM
23 1/2 - ϕ	Rig/Ftg. <u>6735</u>	<u>273,260</u>
1/2 - SURVEY	WTR <u>- 0 -</u>	<u>2,660</u>
	MUD <u>766</u>	<u>32,356</u>
	DAILY <u>2700</u>	
	10% <u>1000</u>	
ϕ Break 6810-6820		
200 unit increase		
TOTAL	<u>11,221</u>	<u>614,956</u>

DIAMOND S M ROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-21-81 Day 42 From E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations φ AT 6974 Ft. W/Bit # 12 Footage Past 24 Hr. 79

Surveys _____

MUD CHECK

WT 104 VIS 70 WL 44 PV 41 YP 25 GELS 7/15
PH 10 Pm _____ CI 500 CAKE 2 /32 Sol 13 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 21-GEL 15-BISPOXIA 7-CALUSTIC
3-CARBONOX 2-CELL 1-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12	8 3/4	F-2	6895	2H8268	79	14 1/2	1100	30	65

REMARKS _____

COST SUMMARY

	DAY	CUM
8 3/4 - TRIP	6735	279,995
3/4 - WASH & REAM TO	-0-	2,660
BOTTOM NO FILL	999	33,355
14 1/2 - φ	2700	
	1043	
TOTAL	11,477	626,433

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-22-81 Day From 43 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations TRIP OUT FOR LOGS AT 7050 Ft. W/Bit # 12 Footage Past 24 Hr. 76

Surveys _____

MUD CHECK

WT 10³ VIS 70 WL 4² PV 36 YP 18 GELS 5/10
PH 10 Pm _____ CI 500 CAKE 2 /32-SOL 13 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 20-RATE 8-CITROXIN 8-CARBONOX 4-CAUSTIC
4-EMS 2-TERQUETIM 1-LF FOAMER

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12	8 ³ / ₄	F2	6895	134808	155	26 ³ / ₄	1000	30	65

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	286,730
WTR	0	2,660
MUD	1782	35,137
DAILY	2700	
10%	1122	
2 ¹ / ₄ - ϕ		
2 - CITS		
2 ³ / ₄ - 30 STD SHORT TRIP		
TOTAL	12,339	638,772

WASH 45' NO FILL

1 - REPAIR

3³/₄ - CITS: (END FOR LOGS)

1³/₄ - TRIP OUT

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-23-81 Day From 44 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations TRIP OUT AT 7050 Ft. W/Bit # 12 Footage Past 24 Hr. -0-

Surveys 7050'-1°

MUD CHECK

WT 103 VIS 72 WL 42 PV 36 YP 18 GELS 5/0
PH 10 Pm _____ CI 500 CAKE 2 /32-Sol 13 %
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
<u>12</u>	<u>8 3/4</u>	<u>F-2</u>	<u>6895</u>	<u>BH8268</u>	<u>155</u>	<u>26 3/4</u>	<u>1000</u>	<u>30</u>	<u>65</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>3 - TRIP OUT FOR LOGS</u>	<u>6735</u>	<u>293465</u>
<u>14 - LOGGING FROM 7030</u>	<u>0</u>	<u>2,160</u>
<u>TO 750 SORIC, DENSITY</u>	<u>0</u>	<u>35,137</u>
<u>DIPMETER</u>	<u>2700</u>	
<u>10%</u>	<u>944</u>	
<u>4 - TRIP IN - NO DRAG</u>		
<u>NO FILL</u>		
<u>2 - CIRC</u>		
<u>1 - TRIP OUT</u>		
TOTAL	<u>10,379</u>	<u>649,151</u>

DIAMOND SHAMROCK CORPORAT

DAILY DRILLING REPORTS

Date 4-24-81 Day 45 From E.W. 6601
 Spud

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations LOGGING AT 7050 Ft. W/Bit # _____ Footage Past 24 Hr. 0

Surveys _____

MUD CHECK

WT 10³ VIS 72 WL 42 PV 36 YP 12 GELS 5/10
 pH 10^e Pm _____ CI 500 CAKE 2 /32-Sol 13 %
 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

REMARKS	COST SUMMARY	
	DAY	CUM
<u>3 - TRIP OUT FOR LOGS</u>	<u>6735</u>	<u>300,200</u>
<u>21 - LOGGING</u>	<u>0</u>	<u>2,660</u>
<u>① RAN FORM TESTER - MISRUN</u>	<u>0</u>	<u>35,139</u>
<u>② VELOCITY SURVEY</u>	<u>2700</u>	
<u>③ FORMATION TESTER</u>	<u>10%</u>	<u>944</u>
<u>3995, 6679 i 6803</u>		
<u>SUCCESSFUL AT 6679 i</u>		
<u>6803'</u>		
<u>④ 30 SHOT CORE BARREL</u>		
TOTAL	10,379	659,530

DIAMOND SHAMROCK CORPORAT

DAILY DRILLING REPORTS

Date 4-25-81 Day 46 From E.W. 6601
Spud

Well Name Boise Cascade 11-14 County CLATSOP State OREGON

Operations TRIPPING AT 7060 Ft. W/Bit # 102R Footage Past 24 Hr. -10-

Surveys _____

MUD CHECK

WT 10³ VIS 71 WL 4² PV 38 YP 22 GELS 6/12
PH 10 Pm _____ CI 500 CAKE 2 /32-Sol 13 %
SD TIR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 35-DAR 8-OROXIN 8-CAR
3-AUSTIC 2-TOROL

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
13	8 3/4	M4N	7050		10	10 3/4	1000	5/30	45/20
102R	8 3/4	ASS11	7060	923249					

REMARKS _____

COST SUMMARY

	DAY	CUM
3 - LOGGING	6735	306935
3 1/2 - TRIP IN	0	26600
10 3/4 - ϕ 7050-7060	1047	36124
5 1/2 - TRIP OUT	2700	
1/4 - R.S.	2600	
1 - TRIP IN	Schmab 62903	
	10% 7599	
TOTAL	83584	743114

DIAMOND & GEM ROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-26-81 Day 47 From E.W. 6604
 Spud

Well Name BIRD CHASE 11-14 County CLATSOP
 State OR

Operations W.O.B. AT 7010 FT. W/Bit # 1002 Footage
 Past 24 Hr. 5

Surveys _____

MUD CHECK

WT 10³ VIS 20 WL 4² PV 88 YP 20 GELS 5/12
 pH 10 Pm _____ CI 500 CAKE 2 /32-Sol 13 %
 SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 26 GAL 5-0 3-CARBONATE

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
1002	8 3/4	HSS	7010	923249	5	7	1000	5/20	25/10

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	6735	313,670
WTR	0	2,660
MUD	452	36,142
DAIRY	2700	
10%e	989	
5 - W.O.B.		
1 - lost to DST		
3 - W.O.B.		
TOTAL	10,822	753,996

DIAMOND S MROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-27-81 Day From 48 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP OREGON

Operations φ AT 7100 Ft. W/Bit # 14 Footage Past 24 Hr. 35

Surveys _____

MUD CHECK

WT 10⁺ VIS 72 WL 42 PV 40 YP 25 GELS 5/11
pH 10^o Pm _____ CI 500 CAKE 2 /32-Sol 13 %
SD TR % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 3-GYROXIN 3-CARBONOX 2-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
14	8 3/4	S33S	7065	985453	35	4 3/4	1100	25	65

REMARKS _____

COST SUMMARY

	DAY	CUM
5/4 - W.O. JUNK BASKET	Rig/Ftg. <u>6735</u>	<u>320405</u>
3 - TRIP IN @ BASKET	WTR <u>0</u>	<u>2,660</u>
2/4 WASH OVER JUNK	MUD <u>257</u>	<u>36,899</u>
4 1/2 - TRIP OUT - RECOVERED	DAILY <u>2700</u>	
NO JUNK	10% <u>969</u>	
3 1/2 - TRIP IN BIT # 14		
1/4 - WASH 20' TO BOTTOM	TOTAL <u>10,661</u>	<u>764,657</u>
4' FILL		
4 3/4 - φ HAD SOME JUNK UNDER BIT FOR 1 HR		
NOW 6-8' /HR		

DIAMOND S. MROCK CORPORAT

DAILY DRILLING REPORTS

Date 4-28-88 Day 49 From E.W. 6601
 Spud

Well Name Boise Cascade 11-14 County Clatsop State OREGON

Operations φ AT 7338 Ft. W/Bit # 14 Footage Past 24 Hr. 238

Surveys _____

MUD CHECK

WT 10⁴ VIS 71 WL 42 PV 38 YP 22 GELS 6/12
 PH 10 Pm _____ CI 500 CAKE 2 /32-Sol 13 %
 SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 6-CAUSTIC 7-ABROXIA 3-CARBONAX
3-ccilb

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
14	8 ^{3/4}	SS3S	7065	985453	273	27 1/2	1100	25	65

REMARKS

COST SUMMARY

DAY

CUM

12-φ

1/4-R.S.

8^{3/4}-φ

1-BALLED BIT

2-φ

Rig/Ftg.

WTR

MUD

598

TOTAL

DIAMOND SHALEROCK CORPORATION

DAILY DRILLING REPORTS

Date 4-29-81 Day From 50 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations Trip Out AT 7406 Ft. W/Bit # 14 Footage Past 24 Hr. 68

Surveys _____

MUD CHECK

WT 104 VIS 68 WL 4 PV 38 YP 25 GELS 4/15
PH 10 Pm _____ CI 700 CAKE 2 /32 Sol 13 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 2-GEL 5-CAUSTIC 10-CELL
7-BOXIN 10-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
14	8 3/4	S335	7065	98543	341	37 1/2	1100	25	65

REMARKS _____

COST SUMMARY

DAY CUM

10 - φ
2 1/4 - BIT BALLED. POT
10 STDS. TIGHT 1ST
6 STD
1/2 - RIG TRIP. (LINE GUIDE)
8 3/4 - REAM 7 STDS
1/2 - CIRC BOTTOMS UP
1/2 - T.O.H

Rig/Ftg.	DAY	CUM
WTR		
MUD	1946	
IRON BASKET	1472	
TOTAL		

PIPE MOVES FREE w/ PUMP. w PUMP
CANNOT ROTATE OR MOVE PIPE UP & DOWN

DIAMOND S MROCK CORPORAT I N

DAILY DRILLING REPORTS

Date 4-30-81 Day From 51 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 7450 Ft. W/Bit # 15 Footage Past 24 Hr. 44

Surveys _____

MUD CHECK

WT 10⁴ VIS 72 WL 44 PV 40 YP 26 GELS 4/12
PH 10 Pm _____ CI 700 CAKE 2 /32-Sol 13 %
SD 1/4 % OIL _____ % CA 28 PF/MF _____

MUD ADDED: 12-BATE 10-GEL 4-CAUSTIC 3-GBROXIN
3-CELL 10-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
15	8 3/4	DTJ	7406	BR1946	44	6	1100	25	65

REMARKS _____

COST SUMMARY

	DAY	CUM
2-TOH		
1/4-SR		
3/4-TOH		
2 1/2 - Cut φ Line		
2 1/2 - T I H @ BIT # 15		
1 1/2 - F T I H		
5 3/4 - WASH 180' TO BOTTOM		
TOTAL		

15' FILL. TRY WORKING BALL OFF BIT

6 - φ

DIAMOND S M ROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-2-81 Day From 53 E.W. 6601
Spud

Well Name Boise Cascade 11-14 County State CLATSOP, OREGON

Operations Ø AT 7630 Ft. W/Bit # 12RT Footage Past 24 Hr. 80

Surveys 7552 - MISTUN

MUD CHECK

WT 10⁴ VIS 71 WL 4² PV 41 YP 20 GELS 6/11
PH 10° Pm _____ CI 700 CAKE 2 /32 Sol 13 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 8-BAR 6-CC16 5-OBROXIN 5-CAUSTIC
1-DEFOA

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>12RT</u>	<u>8 3/4</u>	<u>F-2</u>	<u>7552</u>	<u>BH8268</u>	<u>80</u>	<u>11 1/2</u>	<u>1100</u>	<u>15</u>	<u>65</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>2-T.O.H</u>	<u>6735</u>	<u>341,275</u>
<u>1/4-R.S.</u>	<u>-0-</u>	<u>2,695</u>
<u>1/4-T.O.H</u>	<u>705</u>	<u>42,234</u>
<u>4-T.L.H</u>	<u>2700</u>	
<u>10%</u>	<u>1014</u>	
<u>5 - WASH 270' TO BOTTOM</u>		
<u>11 1/2 - Ø</u>		
TOTAL	11,154	825,631

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-3-81 Day 54 From E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations CIRC AT 7743 Ft. W/Bit # 12RR Footage Past 24 Hr. 111

Surveys _____

MUD CHECK

WT 104 VIS 74 WL 43 PV 42 YP 20 GELS. 6/14
PH 10.5 Pm _____ CI 700 CAKE 2 /32-Sol 13 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 5-GEL 8-GBROXIN 8-CELL 8-CAUSTIC

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
12RR	8 3/4	F-2	7552	BH228	191	32 1/4	1100	20	65

REMARKS

COST SUMMARY

1/2 - ϕ

2 - CIRC SAMPLES

10 3/4 - ϕ

1/4 - T.S.

9 1/2 - ϕ

1 - CIRC SAMPLES

	DAY	CUM
Rig/Ftg.	6735	348,010
WTR	0	2,695
MUD	248	43,082
DAILY	2700	
10%	1028	
TOTAL	11,311	836,942

ϕ BRK 7611 - 7618 140 UNITS GAS
BACK TO 40 IN SILTSTONE 75 UNIT
CONG GAS

ϕ BRK 7721 - 7743 140 UNITS
BACK TO 100 FINE GR SAND

DIAMOND SURMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-4-81 Day From 55 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 7846 Ft. W/Bit # 12RR Footage Past 24 Hr. 103

Surveys _____

MUD CHECK

WT 10⁴ VIS 76 WL 4⁰ PV 46 YP 27 GELS 7/15
PH 11 Pm _____ CI 700 CAKE 2 /32-Sol 13 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 8-CAUSTIC 13-GBROXIN 12-CC16 3-DMS

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>12RR</u>	<u>8 1/4</u>	<u>F-2</u>	<u>7552</u>	<u>BH262</u>	<u>294</u>	<u>56 1/4</u>	<u>1100</u>	<u>30</u>	<u>65</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
Rig/Ftg.	<u>6735</u>	<u>354,745</u>
WTR	<u>0</u>	<u>2,695</u>
MUD	<u>1395</u>	<u>44,477</u>
DAILY	<u>2700</u>	
10%	<u>1083</u>	
TOTAL	<u>11,913</u>	<u>848,855</u>

24-φ

DIAMOND S MROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-5-81 Day From 56 E.W. 660
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations φ AT 7855 Ft. W/Bit # 7R2 Footage Past 24 Hr. 9

Surveys _____

MUD CHECK

WT 10⁴ VIS 74 WL 4° PV 40 YP 28 GELS 6/11
PH 10° Pm _____ CI 600 CAKE 2 /32-50L 13 %
SD 1/4 % OIL _____ % CA 20 PF/MF _____

MUD ADDED: 10-BAR 4-GBROXIN 4-CELL

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
7R2	8 3/4	F-2	7846	B21682	9	2 1/4	1000	30	60

REMARKS _____

COST SUMMARY

	DAY	CUM
7 - T.O.H.	6735	361,480
3 - T.L.H. TO 7482'	0	2,695
3/4 - WASH FROM 7482 TO	372	44,849
7664 HIGH BRIDGES	2700	
10% NO FILL	981	
2 1/4 CIRC		
1/4 - CUT φ LINE		
TOTAL	10,788	859,643

5 - 25 STD SHORT TRIP SLIGHT DRAG 1ST 2ND 3RD

AND 13TH STD. BACK TO BOTTOM = NO FILL

2 1/4 - φ

DIAMOND SHAMROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-6-81 Day 52 From E.W. 6601
 Spud

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations LOGGING AT 7864 Ft. W/Bit # FRR Forage Pas. 24 Hr. 9

Surveys _____

MUD CHECK

WT 10⁴ VIS 74 WL 4° PV 38 YP 22 GELS 6/12
 PH 10⁰ Pm _____ CI 600 CAKE 2 /32 Sol 13
 SD 14 % OIL _____ % CA _____ PF/MF _____

MUD ADDED: _____

BIT NO.	SIZE	TYPE	DEPTH IN	SER. NO.	FT. MADE	TOTAL HRS. RUN	PUMP PRESS.	WOB	RPM
<u>FRR</u>	<u>8 3/4</u>	<u>F-2</u>	<u>7846</u>	<u>B11682</u>	<u>18</u>	<u>3 1/2</u>	<u>1000</u>	<u>60</u>	<u>60</u>

REMARKS _____

COST SUMMARY

	DAY	CUM
<u>1/4 - φ</u>	<u>6755</u>	<u>318,215</u>
<u>3 - SHORT TRIP</u>	<u>-</u>	<u>2,695</u>
<u>2/4 - CIRC.</u>	<u>-</u>	<u>44,849</u>
<u>5/2 - TCH FOR LOGS</u>	<u>2330</u>	
<u>12 - LOGGING - SONIC</u>	<u>10% 9--</u>	
<u>FCC-DWL NEUTRON</u>		
<u>7863-6900</u>	<u>TOTAL 10339</u>	<u>870,035</u>
<u>DIPMETER 7863-750</u>		

DIAMOND SHIMMERS ROCK CORPORATION

DAILY DRILLING REPORTS

Date 5-7-81 Day From 58 E.W. 6601
Spud

Well Name Base Cascade 11-14 County Clatsop State Oregon

Operations L.D.D.P. AT 7864 Ft. W/Bit # _____ Footage Past 24 Hr. 0

Surveys _____

MUD CHECK

WT 10⁴ VIS 74 WL 4⁰ PV 38 YP 20 GELS 6/12
pH 10⁰ Pm _____ CI 600 CAKE 2 /32 Sol 13 %
SD 1/4 % 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
<u>8 1/2 - W.O. SCHLUMBERGER</u>	Rig/Ftg. <u>6735</u>	<u>374,950</u>
<u>5 1/4 - Casing</u>	WTR <u>0</u>	<u>2,695</u>
<u>4 - T.I.H.</u>	MUD <u>0</u>	<u>44,849</u>
<u>1 - WASH 60' TO BOTTOM</u>	DAILY <u>2300</u>	
<u>DO FILL</u>	10% <u>944</u>	
<u>3 - CIRC.</u>		
<u>2 1/4 - T.O.H. L.D.D.P.</u>	TOTAL <u>10,379</u>	<u>880,401</u>

DIAMOND DRILLING CORPORATION

DAILY DRILLING REPORTS

Date 5-8-81 Day From 59 E.W. 6601
Spud

Well Name BOISE CASCADE 11-14 County State CLATSOP / OREGON

Operations D.C. 1ST STAGE @ 1514 Ft. W/Bit # _____ Footage Past 24 Hr. _____

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
8 3/4 - L.D.P. i.D.C.	Rig/Ftg. <u>6735</u>	<u>381,685</u>
9 - RIG UP CASERS ?	WTR <u>0</u>	<u>2,695</u>
T.V.H. WITH 5/8"	MUD <u>0</u>	<u>44,849</u>
GUIDE SICE .95	DAILY <u>2700</u>	
1ST 17# N-80 LTIC 41.43	CASERS <u>7,554</u>	
FRONT COLLAR 1.55	SCHLUMBERGER 20,633	
2ND 17# N-80 LTIC 950.90	10% <u>4,762</u>	
4th 17# K-55 LTIC 1705.11	Casing <u>64,604</u>	
05th 15# K-55 LTIC 929.34	TOTAL <u>116,989</u>	<u>997,389</u>
HOWCO STAGE COLLAR 3.11		
109th 15# K-55 LTIC 4231.91		
LADDED AT 7864' KB DV TOOL @ 4233' KB		
2 1/4 - RIG UP HOWCO - Cement 1 ST STAGE @ 865 SXS		
CLASS "G" ; 200 SXS "G" @ 2% CaO		
GOOD RETURNS - PLUS HOLD		
4 - OPEN DV COLLAR Pipe W.O.C.		
BOP 914,097		
ACP 83,292		
CUM 997,389		

DIAMOND SHARROCK CORPORAT

DAILY DRILLING REPORTS

Date 5-9-81 Day 60 From E.W. 6601

Well Name BOISE CASCADE 11-14 County CLATSOP State OREGON

Operations RIGGING DOWN AT 7864 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

2 CIRC FOR 2nd STAGE
1 1/2 CMT 2nd STAGE w/
350 SXS CLASS "6" w/
2% CaCl₂. GOOD RETURNS
DURING CEMENT OPERATION
12 1/2 NIPPLE DOWN BOP'S &
CLEAN MUD TANKS
RIG RELEASED @
10 P.M. 5-8-81

	DAY	CUM
Rig/Ftg.	4615	386,300
WTR	0	
MUD	0	
Daily	500	
HALLIMON	7683	
CMT 1	13385	
CMT 2	4210	
10%	3859	
TOTAL	33,432	1,030,821

BOP # 914,097
 ACP 116,724
 CUM 1,030,821

5-18-81

Boise CASCADE 11-14

ATTN 6601

FINISHED P.U. TAYLOR RIG #2 AND

D.U. HEAD. WILL P.U. TUBING TODAY.

BCP 914,097

ACP 116,724

sum 1,030,821

5-19-81

Boisz Cascade 11-14

ATD 66601

FINISHED R. U. TAYLOR #2. REPAIRED MOTORS
DIPPED W/ B.O.P. & TESTED.

Costs

RIG 2500

TANK 30

TOTAL 2530

BOP = 914,097

ACP = 119,254

Cum = 1,033,351

5-20-81

BOISE CASCADE 11-14

ATD 66001

8 HRS TICKING UP, STRAPPING & TRIPPING
IN HOLE WITH 134 JTS FUE 820 2 3/8" TUBING
TO 4231' KB. TAGGED PLUG AT 4231' KB. DID
NOT HAVE ELEVATORS TO PICK UP TOWER SWIVEL
SDEN

RIG	2500
TANK	30
RENTAL	500
TAX	3300

BCP = 914,097

ACP = 122,554

CUM = 1,036,651

Boise Cascade 11-14

5/21/84

ATI 6601

1/4 rig up for swivel
1 duplex hole
4 1/2 drill plug & stage collar
1 3/4 TIF to 7285', tag cement
2 duplex mud out of hole
1 1/2 drill out 7285'-7322', 500± more
CWI

Rig	2500
Rental	500
Tank	30
Day	3030

BCP = 914,097

ACP = 125,314

Cum = 1,039,411

Boise Cascade 11-14

5/20/81

ATD 6601

Drill cement from 7235' - 7820' and
circulate hole for 2 hrs. Trip out of hole.
Running cement bond log this AM.

Rig	2500
Rental	500
Tank	<u>30</u>
	3030

BCP = 914,097

ACP = 128,344

Cum = 1,042,441

BOUCE CASCADE

5-23
11-14

ATC 6661

FINISHED ~~7~~ out CEMENT.

5-24-81

BOISE CASCADE 11-14

ATN 6401

PICKED UP HALCO RTTS PACKER & TRIPPED
IN HOLE WITH 235 ITS 2 3/8" TURNING SET
PACKER AT 7446'. RIGGED UP SWAB UNIT &
SWABBED WELL DOWN TO 6000'. SWIFTING
P.M.

RIG 2500

RENTAL 500

PETROL 1500

TANK 30

DAY 4530

5-25-81

ROUSE PASSAGE 11-14

ATC 16601

RIGGED UP PETROLOG AND PERFORATED
FORMATION AS FOLLOWS:

SAW NO INCREASE IN PRESSURE.

TRIPPED WIRELINE OUT OF HOLE WITH
WIRELINE AND TRIPPED IN WITH SWAB.

BFL @ 6000'. SWABBED 3 HRS WITH
FLUID LEVEL REMAINING AT 6000'. SWABBED
WELL DOWN TO 6600' (TOTAL SAND LIME) AND
FLUID LEVEL REMAINED THERE. = NO ENTRY.

REC TOTAL OF 14 BBL WATER, @
11,000 ppm. HOLE WAS FILLED WITH 2% KCL @
12,000 ppm.
SWLEN

FIG	2500
RENTAL	400
PETROLOG	4200
TANK	30
	7130

5/10/81

Boise Cascade 11-14

ATO 6601

TP 375#

Open well up, Flowed in heads for
1 1/2 hours, recovered \approx 2 Bbls foam
mud. Ran swab to 6600'. The dry
WT. Will pump acid this AM.
Gas will burn.

Log	2500
Rental	500
Tank	30
	<hr/>
	3030

BCP = 914,097

ACP = 150,984

Cum = 1,065,081

5-27-81

BOISE CASCADE 11-14

ATD 6601

YESTERDAY

T.P. = 860*

bled well down to 0* in 15 min - could
not get teste. ran in sidab line = no
fluid at 6600'. 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 7446' this
A.M. and acidize.

Cons. 500

Rig 2500

Rental 400

Petro-Log 1500

Tank 50

Day 4950

BOP = 55,000 misc (FUEL + TRUCKING)

+914,097

919,097

ACP 155,934

Cum 1,125,031

5-28-81

Bois Cascade 11-14

ATO - 6601

T.P. = 495# . BLEED WELL DOWN. WENT
IN WITH SWAB = NO FLUID AT 7400'.

RIG UP HALCO ; ACIDIZED DOWN 2³/₈"
TUBING WITH 3500 GAL 7.5% MCA ACID,
5% MUSOL A, .2% CLA-STA ; CORROSION
INHIBITORS. FLUSHED WITH 1344 GALS 2¹/₂% RCL
WATER. (PUMPED 75 BALL SEALERS)

TOOK 28 BBLs ACID TO LEAD HOLE AT
3000#. BUILT UP TO 4200# ; BROKE BACK
TO 3850#. GRADUALLY BUILT BACK TO 4000#.
ACE RATE 1³/₄ B.P.M. MAX PRESS = 4200#
AVE PRESS = 3900 - BALL ACTION BUT NO FALL OFF

ISIP = 3850

SI 10min = 2800

FLOWED WELL BACK ; SWABBED TO 6800')
REC. 30 BBL FLUSH ; 40 BBLs ACID.

44 BBL TR

SWIFD

Ops 500

RIG 2500

RENTAL 300

Petro-Log 1500

TANK 50

HALCO 8000

DAY 12,850

BCP = 969,097

ACP = 168784

CUM = 1,137,881

5-29-81

Boise Canyon 11-14

ATD 6601

TP = 1100# , BLEED WELL DOWN IN 30MIN

R.U. TO SWAB. BFL @ 1400' SWABBED WELL
DOWN TO 7000'. FLUID LEVEL HOLDING AT
7000'

REC. 38 TBLS ACID. 6 BLTR.

HAD 2' FLARE OUT OF 2" LINE ALL DAY

GAS TOO SMALL TO MEASURE.

SOLID

THIS A.M. TP = 1105#

BFL @ 7100'

CONS 500

TRIG 2500

RENTAL 300)

PETRO-LOG 1500

TANK 50

DAY 4850

BEP = 969,097

ACP = 173,634

NUM 1,142,731

5-30-81

PRICE INCREASE 11-14

ATO 6601

T.P. = 1125# BLEED TO 0# IN 30MIN.

BFL @ 6700'. MADE 2 SWAB RUNS - REC 1 BBL
ACID. 5 BLTR.

LOADED TUBING @ 2% KCH WATER 4 GAL/
1000 CHA-STA, 1 GAL/1000 PER-S. RELEASED

PACKER. T.O.H. WITH TUBING.

R.U. PETRO-LOG ; SET CAST IRON BRIDGE
PLUG @ 7575' @ 2 SKS CEMENT ON TOP.

P.U. PACKER ; T.I.H. @ 208. ITS 2 7/8"
TUBING. SET PACKER @ 6591'. R.U. SWAB.
SWABED WELL DOWN TO 2000'

SWIFER.

CONS 500

RIG 2500

RENTAL 300

PETRO-LOG 3000

TANK 50

DAY 6350

BCP = 969,697

ACP = 179,984

Cum = 1,149,081

5-31-81

Boise Cascade 11-14

ATA 6601

R.U. SWAB. SWABBED WELL DOWN TO
5000'. R.U. PETRO-LOG. PERE 1 SHOT/FT

(u) 1 1/4" TUBING GUN AS FOLLOWS:

6802 - 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 RUN. SWABBED WELL DOWN TO 6000'
GTSTM EST. @ 20000 CF/D.

SHUT DOWN SWAB UNIT TO RE-WRAP
SAND LINE.

SWIFN

THIS A.M. TP = 425#

CONS	500
RG	2500
RENTAL	300
PETRO-LOG	5000
TANK	50
DAY	8350

BCP = 969,094

ACP = 188,334

Qum = 1,157,431

6-1-81

BOISE PASADENA 11-14

ATD 6601

TP = 425# R.U. SWAB. BFL @ 6000'

MADE 1 SWAB RUN @ 6600'. WAITED

2 HRS FL @ 6500' SWABBED DOWN TO

6600'. REC. LESS THAN 1 BBL VERY

HEAVY ϕ MUD. CLOSED WELL IN.

THIS A.M. TP = 375# BFL @ 6500'

WILL BREAK WELL DOWN THIS A.M.

CONS. 500

RIG 2500

RENTAL 300

PETRO-LOG 1500

TANK 50

DAY 4850

BCP = 969,097

ACP = 193,184

Cum = 1,162,281

6-2-81

Base Passage 11-14

ATD 6601

TP = 435 #. BLED WELL DOWN TO 0# IN
10 min. R.U. SWAB. BFL @ 6500'. R.U. HALCO
AND ACIDED @ 1000 GAL MOD 101 - 5% MUCOH
A, .2% HC-2, .2% CLA-STA II, .2% TER-S. TOTAL
ACID = 24 BBL, 25 BALL SEALERS. FLUSHED WITH
2% KCL - 29 BBL TOTAL LOAD TO REC. = 53 BBL.

Ave Rate 1 3/4 BPM

MAX PRESS 3500 MIN PRESS 2600 Avg = 3200

ISIP - 3100

10 min - 3000. BLED WELL DOWN IN 10 min.
R.U. SWAB. BFL @ 4000' SWABBED WELL TO
6500' REC 50 BBL WATER & ACID.

SWIFN

THIS A.M. TP = 900 # BLED TO 0 IN 15 min
VERY WEAK 2' FLARE OUT OF 2" LINE ON
1/4" CHECK. BFL @ 6500'

PONS	500
RIG	2500
RENTAL	300
TRICE-LOG	1500
TANK	50
HALCO	7500
	<u>12,350</u>

RCF = 969,097

ACF = 205,534

Cum = 1,174,631

6-3-81

BORE CASCADE 11-14

ATD 6661

TP = 900 #. BLEN WELL DOWN TO O#
IN 15 MIN. GAS RECORDED 1# ON 1/4" ORIFICE =
11,200 FT³/DAY.

LOAD HOLE @ 2% KCL. RELEASE PACKER;
T.O.H. R.U. PETRO-LOG; RAN CAST IRON
BRIDGE PLUG - SET AT 6750' KB.

SDFN

CONS	500
RIG	2800
RENTAL	300
PETRO-LOG	2500
TANK	50
DAY	6150

BCP = 969,097

ACT = 211,684

CUM = 1,180,781

6-4-81

BOISE CASCADE 11-14

ATD 6601

PLACED 2 SXS CEMENT ON TOP OF CIB

@ WIRELINE DUMP BAILER. P.U. TESTS ? T.I.H.

@ 204 JTS 2 3/8" TUBING. SET PACKER @ 6465'

SWABBED WELL DOWN TO 5000' AND SHOT WELL

@ 1 1/16" TUBING GUN, (SHOT/FT AS FOLLOWS:

6690-6676

6673-6668

6664-6655

NO PRESSURE - NO GAS.

R.U. TO SWAB. ZFL @ 3500'. SWABBED WELL
DOWN TO 6400'. LAST RUN REC. 2 BBL VERY GAS
CUT ϕ MUD. WELL WAS MAKING 1-2' VERY
WEAK FLARE. .95# ON 1/4" ORIFICE PLATE =
8.5 mcf/d.

ZFL @ 6400'

SWIFA

THIS A.M. TP: 400

CONS	500
RIG	2800
RENTAL	300
PETRO-LOG	5500
TANK	50
DAY	9150

BCP 969,097

ACP 230,834

sum 1,189,931

1-5

6-5-81

Boise Cascade 11-14

ATD 6601

TP = 400#. DLED WELL DOWN TO 0#)

IN 15 MIN. E.U. SWAB. BFL @ 5500'

SWABBED WELL DOWN TO 6400'. REC. 3.2 BTBL

WATER ; ϕ MUD. TESTED WELL - MAKING

8.5 mcf/d.

S.W.L. W.O. HALIBURTON

Pens 500

RIG 2500

RENTAL 300

PETRO-LOG 1500

TANK 50

DAY 4850

BCP = 969,097)

ACT = 225,684

Cum 1,194,781

6-6-81

TRISE CASCADE 11-14

ATD 6601

TR = 525. BLEND TO 0 in 10 min. BFL

@ 6200' R.L. HALCO; ACIDIFIED WITH 1500
GALS. MOD 101 ACID CONTAINING 5% MUSOLA
AND 0.2% CHA-STA II, 0.2% PEN-5 / CORROSION
INHIBITOR. TOTAL ACID = 36 BBL. FLUSHED @
29 BBL 2 1/2% KCL H₂O. TBTR = 65.

MAX PRESS = 3800 MIN PRESS = 2600

NOE PRESS = 3500 NOE RATE = 2 BPM

GOOD BALL ACTION

TSIP = 3000

10 min. = 2000 BLEND WELL TO 0 in 5 min.

SWABBED WELL DOWN TO 5500'. REC 50
BBL SPENT ACID. WELL STILL MAKING
APPROX. 8.5 MCF/D. EFL @ 5900'

SWIFEN 15 BTR

COAL	500
HALCO	10,000
RENTAL	300
PETRO-LOG	1500
TANK	50
DAY	12,350

BCP = 969,097

ACP = 248,034

Cum = 1,217,131

6-7-81

Boise Cascade 11-14

ATD 6601

TP = 375. BLED WELL DOWN TO 0#

ON 1/4" CHORE IN 10 MIN. R.I.L. SWAB BFL @
2400. SWABBED WELL DOWN TO 5900' MAKING
3.3 BBL/HR FRESH WATER. REC. 74 BBL
29 BBL OVER LOAD. STILL MAKING 8.5 MCFD

SWIFT

THIS A.M. TP = 375#

(2 DAYS) →	COAL	500
	RIG	5000
	PETRO-LOG	1500
	RENTAL	300
	TANK	50
	DAY	7350

REF = 969,097

ART = 255,384

CUM 1,224,481

BOISE CASCADE 11-14

ATD-6601

6-8-81

SITP = 375 #

BLEW WELL DOWN.

SWAB TESTED

BFL @ 3400'

RECOVERED 40 BBLs WATER

CI = 0 BELIEVED FORMATION WATER

EFL @ 5900'. MAKING 3 RUNS / HOUR

+ LOAD = 69 BBLs

GAS IS TOO SMALL TO MEASURE

SWIFN

RIG 2500

RENTAL 300

TANK 50

DAIRY 2850

BCP 969,097

ACP 258,234

CUM 1,227,331

BOISE CASCADE 11-14 ATD-6601

6-9-81

SITP = 375 #

BUEW WELL DOWN IN 5 MINUTES,
LOADED HOSE W/ 2 1/2% KCl WATER
RELEASED PACKER AND TRIPPED OUT.
SET CIRP @ 6500' KB.

DUMPED 2 SYS CEMENT ON TOP OF
BRIDGE PLUG VIA WIRELINE DUMP
BALLER.

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

BCP 969,097

ACP 261,084

CUM 1,230,181

BOISE CASCADE 11-14

ATD-6601

6-10-81

NIPPLED DOWN BOP'S $\frac{1}{2}$ " 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 2500

RENTAL 300

TANK 50

PETROLOG 6000

BCP 969,097

DAILY 8850

ACP 269,934

Cum 1,239,031

BOISE CASCADE 11-14

ATD-6601

6-11-81

RAN FREE POINT.

30% FREE @ 3000'

80% FREE @ 2600'

100% FREE @ 2000'

CUT CASING @ 2600', COULD NOT
PULL CASING.

CUT CASING @ 2000'. PULLED
CASING. RECOVERED 49 JTS +
CUTOFF.

SWIFN.

RIG 2500

RENTAL 300

TANK 50

BEF \$969,097

PETROLEUM 5000

ACP 277,784

#7850

CUM #1,246,881

BOISE CASCADE 11-14 ATD-6601

6-12-81

TRIPPED IN WITH 2 3/8" TUBING TO
2054' KB.

MIXED 200 BBLs 10.5 # MUD, ^{35 SXS GFL} 350 SXS BAR

DISPLACED HOCE WITH MUD,
SWIFN.

RIG 2500

RENTAL 300

TANKS 50

MUD 3850

Howco 2000

DAILY 8700

BCP # 969,097

ACP 286,484

Cum 1,255,581

BOISE CASCADE 11-14 ATD-6601

6-13-81

SIP = 0

CIRCULATED 2 HOURS

SPOT 55 SXS CLASS "6"
29% CaCl₂ FROM 2,054' TO
1904'

LAY DOWN 2 3/8" TUBING.

SPOT 75 SXS CLASS "6"
29% CaCl₂ FROM 821' TO
621'

LAY DOWN REST OF TUBING.
SWIFN.

RIG 2500

RENTAL 300

TANKS 50

HOWCO 4000

DAILY 6850

BCP \$ 969,097

ACP 293,334

Cum 1,262,431

BOISE CASCADE 11-14 ATD-6601

6-14-81

SIP = 0

- TRIPPED IN AND TAGGED PLUG
AT 515' ICS. TRIPPED
OUT AND LAID DOWN
TUBING.

NIPPLE DOWN BOP'S AND WELCKHEAD,
SPOT 10 SXS CEMENT PLUG AT
SURFACE.

WELD CAP ON CASING.

RIG RELEASED AT 1 P.M. 6-13-81.

RIG 2500

RENTAL 300

TANICS 50

HAWCO 3000

DAILY 5850

BOP # 969,097

ACP 299,184

CUM # 1,268,281