WES BAY MP SYSTEM
CASING INSTALLATION LOG

Project: NASA-WSTF Hole No: ST-5-D Location: STATE LAND SECTION

Date Installed: 6-24-93 Installed by: H+GCL Date Drawn: 7-12-93

Hole Depth: 1210.0' MP Depth: 1195.0' Hole Diameter: 4"(casing)*

Measurement Datum: Ground Level Datum Elevation: 4458.74 (BC)

Depth (ft)	Geologic Description	MP	Casing Log 130		Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
0	0-1210': ALLUVIUM (Santa Fe Group)	R		R	93-294		*Westbay casing is installed inside Sch 10 4" stainless steel casing.		√
			129		92-274			√	
10		R		R	93-294				√
			128		92-274			√	
20		R		R	93-294				√
			127		92-274		all couples tested with 100 psi for 30 seconds.	√	
30		R		R	93-294				√
			126		92-274			√	
40		R		R	93-294		all magnetic collars are placed 0.4' above the MP couple		√
			125		92-274			√	
50		R		R	93-294				√
			124		92-274		fabric sock used where indicated	√	
60		R		R	93-294				√
			123		92-274			√	
70		R		R	93-294		R = 0-320' regular couples are reinforced with stainless steel bands		√
			122		92-274			√	
80		R		R	93-294				√
			121		92-274			√	
90		R		R	93-294				√
			120		92-274			√	
100		R		R	93-294				√

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-12-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
100	ALLUVIUM (cont'd)						
		R 119 R	92-274				
110			93-294			√	√
		R 118 R	92-272				
120			93-294			√	√
		R 117 R	92-272				
130			93-294			√	√
		R 116 R	92-272				
140			93-294			√	√
		R 115 R	92-272				
150			93-294			√	√
		R 114 R	92-272				
160			93-294			√	√
		R 113 R	92-272				
170			93-294			√	√
		R 112 R	92-272				
180			93-294			√	√
		R 111 R	92-272				
190			93-294			√	√
		R 110 R	92-272				
200			93-294			√	√

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASING INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-12-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log			Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
200	ALLUVIUM (cont'd)								
		R	109	R	92-272				
210					93-294			√	√
		R	108	R	92-272				
220					93-294			√	√
		R	107	R	92-272				
230					93-294			√	√
		R	106	R	92-272				
240					93-294			√	√
		R	105	R	92-272				
250					93-294			√	√
		R	104	R	92-272				
260					93-294			√	√
		R	103	R	92-272				
270					93-294			√	√
		R	102	R	92-272				
280					93-294			√	√
		R	101	R	92-272				
290					93-294			√	√
		R	100	R	92-272				
300					93-294			√	√

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-19-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log			Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
300	ALLUVIUM (cont'd)	R		R					
			99		92-272				
310		R		R	93-294			✓	✓
			98		92-272				
320		R		R	93-294			✓	✓
			97		92-272				
330					93-294			✓	✓
			96		92-272				
340					93-294			✓	✓
			95		92-272				
350					93-294			✓	✓
			94		92-272				
360					93-294			✓	✓
			93		92-272				
370					93-294			✓	✓
			92		92-272				
380					93-294			✓	✓
			91		92-272				
390					93-294			✓	✓
			90		92-272				
400					93-294			✓	✓

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN' INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-14-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
400	ALLUVIUM (cont'd)						
		89	92-272				
410			93-294				
		88	92-272				
420			93-294				
		87	92-272				
430			93-294				
		86	92-272				
440			93-294				
		85	92-272				
450			93-294				
		84	92-272				
460			93-294	ZONE 10			
		83	92-272				
470		82	8330 6536 93-294	114psi/4.851			
480	Screened Interval #5 (480.09' - 490.04') in the 4" casing	81	92-272				
		80	8332 92-273	ZONE 9	filter fabric		
490		79	3430 92-273				
		78	93-294 6535 8311	124psi/4.751			
500							

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASING INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-14-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
500	ALLUVIUM (cont'd)						
		77	92-272				
510			93-294			✓	✓
		76	92-272				
520			93-294			✓	✓
		75	92-272				
530			93-294			✓	✓
		74	92-292				
540			93-294	ZONE 8		✓	✓
		73	92-292				
550			93-294			✓	✓
		72	92-292				
560			93-294			✓	✓
		71	92-292				
570			93-294			✓	✓
		70	92-292				
580			93-294			✓	✓
		69	92-292				
590			93-294			✓	✓
		68	92-292				
600			93-294			✓	✓

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-14-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
600	ALLUVIUM (cont'd)						
		67	92-292	ZONE 8			
610			93-294				
		66	92-292				
620			93-294				
		65	92-292				
630			93-294				
		64	92-292				
640			93-294				
		63	6529	124psi/4.551			
			93-294				
650	SCREENED INTERVAL #4 (650.04'-660.07') in the 4" casing	62	92-292				
			8329	ZONE 7	filter fabric		
		61	92-273				
660		0	3436				
		60	92-273				
			93-294				
		59	6530	119psi/4.751			
670			8327				
		58	92-292				
680			93-294				
		57	92-292	ZONE 6			
690			93-294				
		56	92-292				
700			93-294				

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-21-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
700	ALLUVIUM (cont'd)	55	92-292				
			93-294			√	√
710		54	92-292				
			93-294			√	√
720		53	92-292				
			93-294			√	√
730		52	92-292				
			93-294			√	√
740		51	92-292				
			93-294	ZONE 6		√	√
750		50	93-295				
			93-294			√	√
760		49	93-295				
			93-294			√	√
770		48	93-295				
			93-294			√	√
780		47	93-295				
			93-294			√	√
790		46	93-295				
			93-294			√	√
800							

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN' INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 6-24-93 **Installed by:** H+GCL **Date Drawn:** 7-21-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
800			93-294				
	ALLUVIUM (cont'd)	45	6534	124psi/4.51		√	
			93-294				√
810	Screened Interval #3 (809.97' - 819.97')	44	93-295				
				ZONE 5	filter fabric	√	
			8328				√
		43	92-273			√	
820			3435				√
		42	92-273			√	
			93-294				√
		41	6537	119psi/4.751		√	
830			8325				√
		40	93-295				
						√	
840			93-294				√
		39	93-295				
						√	
850			93-294				√
		38	93-295				
				ZONE 4		√	
860			93-294				√
		37	93-295				
						√	
870			93-294				√
		36	93-295				
						√	
880			93-294				√
		35	93-295				
						√	
890			93-294				√
		34	93-295				
						√	
900			93-294				√

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASING INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 06-24-93 **Installed by:** H+GCL **Date Drawn:** 07-21-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
900			93-294				
	ALLUVIUM (cont'd)	33	93-295			√	
910			93-294				√
		32	93-295			√	
920			93-294				√
		31	93-295			√	
930			93-294				√
		30	93-295	ZONE 4		√	
940			93-294				√
		29	93-295			√	
950			93-294				√
		28	93-295			√	
960			93-294				√
		27	93-295			√	
970			93-294				√
		26	6532	109.5psi/4.55l		√	
			93-294				√
980		25	93-295				
	Screened Interval #2 (979.85' - 989.85')		8326	ZONE 3	filter fabric	√	√
		24	92-273			√	
990		0	3445				√
		23	92-273			√	
			93-294				√
		22	6533	110psi/4.75l		√	
1000			8323				√

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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WESTBAY MP SYSTEM
CASIN INSTALLATION LOG

Project: NASA-WSTF **Hole No:** ST-5-D **Location:** STATE LAND SECTION

Date Installed: 06-24-93 **Installed by:** H+GCL **Date Drawn:** 07-21-93

Hole Depth: 1210.0' **MP Depth:** 1195.0' **Hole Diameter:** 4" (casing)

Depth (ft)	Geologic Description	MP Casing Log	Serial No.	Final Packer P/V	Comments	Joint Tests J	Joint Tests P
1000			8323				
	ALLUVIUM (cont'd)	21	93-295				
						√	
1010			93-294				√
		20	93-295				
						√	
1020			93-294				√
		19	93-295				
						√	
1030			93-294				√
		18	93-295				
						√	
1040			93-294				√
		17	93-295	ZONE 2			
						√	
1050			93-294				√
		16	93-295				
						√	
1060			93-294				√
		15	93-295				
						√	
1070			93-294				√
		14	93-295				
						√	
1080			93-294				√
		13	93-295				
						√	
1090			93-294				√
		12	93-295				
						√	
1100			93-294				√

Regular MP Casing | MP Packer | Measurement Port Coupling | Pumping Port Coupling | Magnetic Collar

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