

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
HJT-106	DE	8/1/2012 11:43	6935.14	154.60	0	6780.54
HJT-106	DE	8/2/2012 9:46	6935.14	154.62	0	6780.52
HJT-106	DE	8/8/2012 8:23	6935.14	154.70	0	6780.44
HJT-106	DE	8/8/2012 13:47	6935.14	154.64	0	6780.5
HJT-106	DE	8/9/2012 10:03	6935.14	154.65	0	6780.49
HJT-106	DE	8/9/2012 13:56	6935.14	154.59	0	6780.55
HJT-106	DE	8/10/2012 8:27	6935.14	154.56	0	6780.58
HJT-106	DE	8/10/2012 13:02	6935.14	154.59	0	6780.55
HJT-106	DE	8/13/2012 8:30	6935.14	154.57	0	6780.57
HJT-107	DE	8/8/2012 8:59	6944.34	160.27	0	6784.07
HJT-107	DE	8/8/2012 14:35	6944.34	160.26	0	6784.08
HJT-107	DE	8/9/2012 9:07	6944.34	160.25	0	6784.09
HJT-107	DE	8/9/2012 13:34	6944.34	160.23	0	6784.11
HJT-107	DE	8/10/2012 9:04	6944.34	160.24	0	6784.1
HJT-107	DE	8/10/2012 13:46	6944.34	160.28	0	6784.06
HJT-107	DE	8/13/2012 8:01	6944.34	160.26	0	6784.08
HJMO-101	FG	8/8/2012 8:14	6950.62	169.14	0	6781.48
HJMO-101	FG	8/8/2012 15:49	6950.62	168.82	0	6781.8
HJMO-101	FG	8/9/2012 9:53	6950.62	168.91	0	6781.71
HJMO-101	FG	8/9/2012 13:54	6950.62	168.97	0	6781.65
HJMO-101	FG	8/10/2012 7:41	6950.62	169.34	0	6781.28
HJMO-101	FG	8/10/2012 12:30	6950.62	169.50	0	6781.12
HJMO-101	FG	8/13/2012 8:10	6950.62	169.68	0	6780.94
HJMO-104	FG	8/2/2012 9:26	6940.77	163.53	0	6777.24
HJMO-104	FG	8/8/2012 8:38	6940.77	163.63	0	6777.14
HJMO-104	FG	8/8/2012 15:37	6940.77	163.13	0	6777.64
HJMO-104	FG	8/9/2012 10:53	6940.77	163.19	0	6777.58
HJMO-104	FG	8/9/2012 13:41	6940.77	163.24	0	6777.53
HJMO-104	FG	8/10/2012 8:53	6940.77	163.80	0	6776.97
HJMO-104	FG	8/10/2012 12:43	6940.77	164.16	0	6776.61
HJMO-104	FG	8/13/2012 7:57	6940.77	164.48	0	6776.29
HJMO-105	FG	8/8/2012 8:43	6938.00	161.17	0	6776.83
HJMO-105	FG	8/8/2012 15:43	6938.00	160.52	0	6777.48
HJMO-105	FG	8/9/2012 10:59	6938.00	160.81	0	6777.19
HJMO-105	FG	8/9/2012 13:47	6938.00	160.96	0	6777.04
HJMO-105	FG	8/10/2012 8:47	6938.00	161.95	0	6776.05
HJMO-105	FG	8/10/2012 12:37	6938.00	162.49	0	6775.51
HJMO-105	FG	8/13/2012 8:04	6938.00	162.63	0	6775.37
HJMO-108	FG	8/8/2012 8:01	6951.64	171.30	0	6780.34
HJMO-108	FG	8/8/2012 15:00	6951.64	171.10	0	6780.54
HJMO-108	FG	8/9/2012 9:43	6951.64	171.14	0	6780.5
HJMO-108	FG	8/9/2012 14:01	6951.64	171.20	0	6780.44
HJMO-108	FG	8/10/2012 7:26	6951.64	171.51	0	6780.13
HJMO-108	FG	8/10/2012 14:08	6951.64	171.67	0	6779.97
HJMO-108	FG	8/13/2012 8:26	6951.64	171.78	0	6779.86
HJMO-109	FG	8/2/2012 9:53	6938.95	164.88	0	6774.07
HJMO-109	FG	8/8/2012 9:26	6938.95	165.00	0	6773.95
HJMO-109	FG	8/9/2012 10:06	6938.95	166.34	0	6772.61
HJMO-109	FG	8/9/2012 14:00	6938.95	166.54	0	6772.41
HJMO-109	FG	8/10/2012 8:38	6938.95	167.71	0	6771.24

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
HJMO-109	FG	8/10/2012 13:11	6938.95	167.92	0	6771.03
HJMO-109	FG	8/13/2012 8:34	6938.95	166.60	0	6772.35
HJMO-110	FG	8/8/2012 8:35	6947.13	166.24	0	6780.89
HJMO-110	FG	8/8/2012 14:06	6947.13	166.15	0	6780.98
HJMO-110	FG	8/9/2012 10:00	6947.13	166.09	0	6781.04
HJMO-110	FG	8/9/2012 14:10	6947.13	166.10	0	6781.03
HJMO-110	FG	8/10/2012 9:20	6947.13	166.39	0	6780.74
HJMO-110	FG	8/10/2012 13:20	6947.13	166.49	0	6780.64
HJMO-110	FG	8/13/2012 8:44	6947.13	166.72	0	6780.41
HJMO-113	FG	8/8/2012 8:29	6936.97	162.20	0	6774.77
HJMO-113	FG	8/8/2012 13:58	6936.97	162.16	0	6774.81
HJMO-113	FG	8/9/2012 9:59	6936.97	162.70	0	6774.27
HJMO-113	FG	8/9/2012 14:44	6936.97	162.77	0	6774.2
HJMO-113	FG	8/10/2012 9:18	6936.97	163.54	0	6773.43
HJMO-113	FG	8/10/2012 13:05	6936.97	163.61	0	6773.36
HJMO-113	FG	8/13/2012 8:18	6936.97	163.34	0	6773.63
LC15M	FG	8/2/2012 10:13	6936.55	161.84	1.33	6776.04
LC15M	FG	8/8/2012 8:48	6936.55	161.99	1.33	6775.89
LC15M	FG	8/8/2012 14:26	6936.55	161.84	1.33	6776.04
LC15M	FG	8/9/2012 9:41	6936.55	162.10	1.33	6775.78
LC15M	FG	8/9/2012 14:37	6936.55	162.15	1.33	6775.73
LC15M	FG	8/10/2012 8:44	6936.55	162.60	1.33	6775.28
LC15M	FG	8/10/2012 13:35	6936.55	162.17	1.33	6775.71
LC15M	FG	8/13/2012 8:07	6936.55	162.72	1.33	6775.16
LC18M	FG	8/8/2012 7:53	6948.97	169.40	0	6779.57
LC25M	FG	8/2/2012 9:41	6936.40	167.60	1.3	6770.1
LC25M	FG	8/8/2012 8:21	6936.40	167.68	1.3	6770.02
LC25M	FG	8/8/2012 15:24	6936.40	167.62	1.3	6770.08
LC25M	FG	8/9/2012 9:27	6936.40	168.17	1.3	6769.53
LC25M	FG	8/9/2012 13:25	6936.40	168.24	1.3	6769.46
LC25M	FG	8/10/2012 8:30	6936.40	168.78	1.3	6768.92
LC25M	FG	8/10/2012 12:59	6936.40	169.00	1.3	6768.7
LC25M	FG	8/13/2012 7:43	6936.40	168.63	1.3	6769.07
MO-101	FG	8/8/2012 9:17	6940.24	159.40	1.34	6782.18
MO-101	FG	8/8/2012 14:38	6940.24	159.32	1.34	6782.26
MO-101	FG	8/9/2012 9:02	6940.24	159.50	1.34	6782.08
MO-101	FG	8/9/2012 13:21	6940.24	159.41	1.34	6782.17
MO-101	FG	8/10/2012 8:59	6940.24	159.49	1.34	6782.09
MO-101	FG	8/10/2012 13:50	6940.24	159.56	1.34	6782.02
MO-101	FG	8/13/2012 7:45	6940.24	159.65	1.34	6781.93
MO-101	FG	8/13/2012 13:03	6940.24	159.62	1.34	6781.96
MO-102	FG	8/8/2012 8:55	6940.75	164.93	1.28	6777.1
MO-102	FG	8/8/2012 14:29	6940.75	164.93	1.28	6777.1
MO-102	FG	8/9/2012 9:10	6940.75	165.16	1.28	6776.87
MO-102	FG	8/9/2012 13:37	6940.75	165.09	1.28	6776.94
MO-102	FG	8/10/2012 9:09	6940.75	165.45	1.28	6776.58
MO-102	FG	8/10/2012 13:40	6940.75	165.55	1.28	6776.48
MO-102	FG	8/13/2012 7:51	6940.75	165.82	1.28	6776.21
MO-102	FG	8/13/2012 15:34	6940.75	165.75	1.28	6776.28
MO-103	FG	8/2/2012 11:53	6935.52	160.65	1.31	6776.18

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
MO-103	FG	8/13/2012 15:51	6935.52	161.47	1.31	6775.36
MO-104	FG	8/8/2012 9:05	6937.86	169.73	1.27	6769.4
MO-104	FG	8/8/2012 15:10	6937.86	169.86	1.27	6769.27
MO-104	FG	8/9/2012 9:07	6937.86	171.92	1.27	6767.21
MO-104	FG	8/9/2012 13:18	6937.86	172.36	1.27	6766.77
MO-104	FG	8/10/2012 8:38	6937.86	174.22	1.27	6764.91
MO-104	FG	8/10/2012 12:22	6937.86	174.46	1.27	6764.67
MO-104	FG	8/13/2012 8:18	6937.86	172.10	1.27	6767.03
MO-105	FG	8/1/2012 10:33	6950.46	169.20	1.31	6782.57
MO-105	FG	8/2/2012 12:31	6950.46	169.20	1.31	6782.57
MO-106	FG	8/1/2012 9:55	6941.75	166.02	1.33	6777.06
MO-106	FG	8/2/2012 10:06	6941.75	166.01	1.33	6777.07
MO-107	FG	8/1/2012 8:52	6936.29	161.75	1.31	6775.85
MO-107	FG	8/2/2012 8:45	6936.29	161.75	1.31	6775.85
MO-107	FG	8/2/2012 10:37	6936.29	161.75	1.31	6775.85
MO-108	FG	8/1/2012 9:05	6934.56	160.95	1.25	6774.86
MO-108	FG	8/2/2012 8:42	6934.56	160.76	1.25	6775.05
MO-108	FG	8/2/2012 10:27	6934.56	160.80	1.25	6775.01
MO-110	FG	8/1/2012 9:31	6938.39	170.10	1.31	6769.6
MO-110	FG	8/2/2012 8:23	6938.39	170.10	1.31	6769.6
MO-110	FG	8/2/2012 10:50	6938.39	170.12	1.31	6769.58
MO-111	FG	8/2/2012 11:04	6936.70	169.55	1.34	6768.49
MO-115	FG	8/2/2012 12:13	6942.62	161.50	0	6781.12
HJMP-101	HJ	8/8/2012 8:11	6950.09	180.91	0	6769.18
HJMP-101	HJ	8/8/2012 15:40	6950.09	186.00	0	6764.09
HJMP-101	HJ	8/9/2012 9:55	6950.09	204.03	0	6746.06
HJMP-101	HJ	8/9/2012 13:56	6950.09	206.62	0	6743.47
HJMP-101	HJ	8/10/2012 7:43	6950.09	215.09	0	6735
HJMP-101	HJ	8/10/2012 12:32	6950.09	215.88	0	6734.21
HJMP-101	HJ	8/13/2012 8:12	6950.09	191.34	0	6758.75
HJMP-104	HJ	8/1/2012 11:15	6941.04	174.52	0	6766.52
HJMP-104	HJ	8/2/2012 9:30	6941.04	174.48	0	6766.56
HJMP-104	HJ	8/8/2012 8:40	6941.04	174.50	0	6766.54
HJMP-104	HJ	8/8/2012 15:39	6941.04	189.10	0	6751.94
HJMP-104	HJ	8/9/2012 10:55	6941.04	208.98	0	6732.06
HJMP-104	HJ	8/9/2012 13:43	6941.04	210.74	0	6730.3
HJMP-104	HJ	8/10/2012 8:55	6941.04	219.70	0	6721.34
HJMP-104	HJ	8/10/2012 12:45	6941.04	213.52	0	6727.52
HJMP-104	HJ	8/13/2012 7:59	6941.04	185.34	0	6755.7
HJMP-105	HJ	8/8/2012 8:45	6937.38	170.48	0	6766.9
HJMP-105	HJ	8/8/2012 15:45	6937.38	180.63	0	6756.75
HJMP-105	HJ	8/9/2012 10:57	6937.38	201.17	0	6736.21
HJMP-105	HJ	8/9/2012 13:49	6937.38	203.03	0	6734.35
HJMP-105	HJ	8/10/2012 8:49	6937.38	212.12	0	6725.26
HJMP-105	HJ	8/10/2012 12:39	6937.38	209.84	0	6727.54
HJMP-105	HJ	8/13/2012 8:06	6937.38	181.30	0	6756.08
HJMP-108	HJ	8/8/2012 8:05	6952.20	182.92	0	6769.28
HJMP-108	HJ	8/8/2012 15:03	6952.20	186.45	0	6765.75
HJMP-108	HJ	8/9/2012 9:47	6952.20	202.73	0	6749.47
HJMP-108	HJ	8/9/2012 14:03	6952.20	205.22	0	6746.98

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
HJMP-108	HJ	8/10/2012 7:28	6952.20	212.68	0	6739.52
HJMP-108	HJ	8/10/2012 14:10	6952.20	212.39	0	6739.81
HJMP-108	HJ	8/13/2012 8:28	6952.20	192.70	0	6759.5
HJMP-109	HJ	8/2/2012 9:58	6939.10	178.00	0	6761.1
HJMP-109	HJ	8/8/2012 9:24	6939.10	178.05	0	6761.05
HJMP-109	HJ	8/9/2012 10:04	6939.10	178.02	0	6761.08
HJMP-109	HJ	8/9/2012 14:04	6939.10	178.02	0	6761.08
HJMP-109	HJ	8/10/2012 8:32	6939.10	178.03	0	6761.07
HJMP-109	HJ	8/10/2012 13:14	6939.10	178.05	0	6761.05
HJMP-109	HJ	8/13/2012 8:36	6939.10	178.06	0	6761.04
HJMP-110	HJ	8/8/2012 8:38	6947.02	177.63	0	6769.39
HJMP-110	HJ	8/8/2012 14:03	6947.02	178.92	0	6768.1
HJMP-110	HJ	8/9/2012 10:02	6947.02	194.03	0	6752.99
HJMP-110	HJ	8/9/2012 14:12	6947.02	196.29	0	6750.73
HJMP-110	HJ	8/10/2012 9:23	6947.02	204.01	0	6743.01
HJMP-110	HJ	8/10/2012 13:22	6947.02	204.56	0	6742.46
HJMP-110	HJ	8/13/2012 8:46	6947.02	187.50	0	6759.52
HJMP-113	HJ	8/8/2012 8:28	6937.27	180.92	0	6756.35
HJMP-113	HJ	8/8/2012 13:56	6937.27	180.89	0	6756.38
HJMP-113	HJ	8/9/2012 10:00	6937.27	181.08	0	6756.19
HJMP-113	HJ	8/9/2012 14:47	6937.27	181.07	0	6756.2
HJMP-113	HJ	8/10/2012 9:20	6937.27	181.37	0	6755.9
HJMP-113	HJ	8/10/2012 13:07	6937.27	181.39	0	6755.88
HJMP-113	HJ	8/13/2012 8:20	6937.27	181.63	0	6755.64
HJT-101	HJ	8/2/2012 8:35	6937.56	174.86	0	6762.7
HJT-101	HJ	8/8/2012 8:27	6937.56	174.86	0	6762.7
HJT-101	HJ	8/8/2012 15:33	6937.56	183.02	0	6754.54
HJT-101	HJ	8/9/2012 10:04	6937.56	201.59	0	6735.97
HJT-101	HJ	8/9/2012 13:32	6937.56	203.75	0	6733.81
HJT-101	HJ	8/10/2012 8:13	6937.56	212.61	0	6724.95
HJT-101	HJ	8/10/2012 12:51	6937.56	211.43	0	6726.13
HJT-101	HJ	8/13/2012 7:53	6937.56	186.08	0	6751.48
HJT-102	HJ	8/8/2012 8:24	6939.15	172.96	0	6766.19
HJT-102	HJ	8/8/2012 15:31	6939.15	186.58	0	6752.57
HJT-102	HJ	8/9/2012 10:51	6939.15	206.70	0	6732.45
HJT-102	HJ	8/9/2012 13:35	6939.15	208.48	0	6730.67
HJT-102	HJ	8/10/2012 8:16	6939.15	217.34	0	6721.81
HJT-102	HJ	8/10/2012 12:54	6939.15	211.76	0	6727.39
HJT-102	HJ	8/13/2012 7:50	6939.15	183.85	0	6755.3
HJT-103	HJ	8/2/2012 9:36	6938.22	190.40	0	6747.82
HJT-103	HJ	8/8/2012 8:18	6938.22	190.42	0	6747.8
HJT-103	HJ	8/8/2012 15:27	6938.22	190.38	0	6747.84
HJT-103	HJ	8/9/2012 9:59	6938.22	190.73	0	6747.49
HJT-103	HJ	8/9/2012 13:28	6938.22	190.79	0	6747.43
HJT-103	HJ	8/10/2012 8:21	6938.22	191.10	0	6747.12
HJT-103	HJ	8/10/2012 12:57	6938.22	191.11	0	6747.11
HJT-103	HJ	8/13/2012 7:47	6938.22	191.09	0	6747.13
HJT-104	HJ	8/2/2012 10:19	6940.15	172.15	0	6768
LC19M	HJ	8/8/2012 7:55	6950.02	182.82	1.28	6768.48
LC19M	HJ	8/8/2012 14:54	6950.02	187.00	1.28	6764.3

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
LC19M	HJ	8/9/2012 9:39	6950.02	204.32	1.28	6746.98
LC19M	HJ	8/9/2012 14:09	6950.02	207.03	1.28	6744.27
LC19M	HJ	8/10/2012 7:21	6950.02	214.66	1.28	6736.64
LC19M	HJ	8/10/2012 14:17	6950.02	213.78	1.28	6737.52
LC19M	HJ	8/13/2012 8:56	6950.02	192.83	1.28	6758.47
M-113	HJ	8/2/2012 11:38	6928.01	192.78	1.3	6736.53
M-114	HJ	8/2/2012 11:34	6930.75	189.45	1.34	6742.64
M-115	HJ	8/2/2012 11:30	6939.10	187.30	1.3	6753.1
M-117	HJ	8/2/2012 9:48	6944.80	187.82	1.29	6758.27
M-120	HJ	8/2/2012 9:53	6946.52	180.93	1.33	6766.92
M-123	HJ	8/2/2012 12:41	6951.85	180.40	1.3	6772.75
M-126	HJ	8/2/2012 12:51	6949.67	176.10	1.33	6774.9
M-127	HJ	8/2/2012 12:55	6947.66	175.89	1.31	6773.08
MP-101	HJ	8/8/2012 9:02	6940.30	171.68	1.32	6769.94
MP-101	HJ	8/8/2012 14:40	6940.30	171.77	1.32	6769.85
MP-101	HJ	8/9/2012 9:00	6940.30	171.82	1.32	6769.8
MP-101	HJ	8/9/2012 13:22	6940.30	171.71	1.32	6769.91
MP-101	HJ	8/10/2012 8:54	6940.30	171.88	1.32	6769.74
MP-101	HJ	8/10/2012 13:52	6940.30	171.95	1.32	6769.67
MP-101	HJ	8/13/2012 7:43	6940.30	172.25	1.32	6769.37
MP-101	HJ	8/13/2012 12:54	6940.30	172.23	1.32	6769.39
MP-102	HJ	8/8/2012 8:52	6941.02	180.54	1.3	6761.78
MP-102	HJ	8/8/2012 14:32	6941.02	180.42	1.3	6761.9
MP-102	HJ	8/9/2012 9:35	6941.02	180.57	1.3	6761.75
MP-102	HJ	8/9/2012 13:43	6941.02	180.56	1.3	6761.76
MP-102	HJ	8/10/2012 9:14	6941.02	180.87	1.3	6761.45
MP-102	HJ	8/10/2012 13:42	6941.02	181.00	1.3	6761.32
MP-102	HJ	8/13/2012 7:54	6941.02	181.19	1.3	6761.13
MP-103	HJ	8/2/2012 12:00	6935.48	179.96	1.33	6756.85
MP-104	HJ	8/8/2012 9:03	6938.45	185.72	1.29	6754.02
MP-104	HJ	8/8/2012 15:13	6938.45	185.70	1.29	6754.04
MP-104	HJ	8/9/2012 9:11	6938.45	185.83	1.29	6753.91
MP-104	HJ	8/9/2012 13:20	6938.45	185.84	1.29	6753.9
MP-104	HJ	8/10/2012 8:40	6938.45	186.15	1.29	6753.59
MP-104	HJ	8/10/2012 12:25	6938.45	186.19	1.29	6753.55
MP-104	HJ	8/13/2012 8:20	6938.45	186.30	1.29	6753.44
MP-105	HJ	8/1/2012 10:38	6949.49	181.65	1.3	6769.14
MP-105	HJ	8/2/2012 12:32	6949.49	181.65	1.3	6769.14
MP-106	HJ	8/1/2012 10:05	6941.29	175.00	1.27	6767.56
MP-106	HJ	8/2/2012 10:09	6941.29	175.75	1.27	6766.81
MP-107	HJ	8/1/2012 8:55	6936.49	171.46	1.33	6766.36
MP-107	HJ	8/2/2012 8:48	6936.49	171.47	1.33	6766.35
MP-107	HJ	8/2/2012 10:38	6936.49	171.50	1.33	6766.32
MP-108	HJ	8/1/2012 9:10	6936.15	172.60	1.3	6764.85
MP-108	HJ	8/2/2012 8:39	6936.15	172.50	1.3	6764.95
MP-108	HJ	8/2/2012 10:25	6936.15	172.50	1.3	6764.95
MP-110	HJ	8/1/2012 9:29	6938.69	179.55	1.31	6760.45
MP-110	HJ	8/2/2012 8:26	6938.69	179.50	1.31	6760.5
MP-110	HJ	8/2/2012 10:53	6938.69	179.55	1.31	6760.45
MP-111	HJ	8/2/2012 11:05	6936.28	178.56	1.33	6759.05

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
MP-113	HJ	8/2/2012 11:42	6923.19	186.22	1.3	6738.27
PW-101	HJ	8/13/2012 14:59	6938.06	180.78	0	6757.28
UKMO-101	HJ	8/2/2012 12:06	6942.28	178.40	0	6763.88
UKMO-102	HJ	8/2/2012 12:24	6940.79	168.60	0	6772.19
UKMO-103	HJ	8/8/2012 9:36	6950.53	177.80	0	6772.73
UKMO-103	HJ	8/8/2012 14:17	6950.53	177.82	0	6772.71
UKMO-103	HJ	8/9/2012 9:50	6950.53	180.80	0	6769.73
UKMO-103	HJ	8/9/2012 14:24	6950.53	181.74	0	6768.79
UKMO-103	HJ	8/10/2012 9:07	6950.53	185.70	0	6764.83
UKMO-103	HJ	8/10/2012 13:27	6950.53	186.46	0	6764.07
UKMO-103	HJ	8/13/2012 8:56	6950.53	184.48	0	6766.05
HJMU-101	KM	8/8/2012 8:12	6949.88	202.65	1.32	6748.55
HJMU-101	KM	8/8/2012 15:42	6949.88	202.20	1.32	6749
HJMU-101	KM	8/9/2012 9:51	6949.88	202.25	1.32	6748.95
HJMU-101	KM	8/9/2012 13:58	6949.88	202.18	1.32	6749.02
HJMU-101	KM	8/10/2012 7:45	6949.88	202.55	1.32	6748.65
HJMU-101	KM	8/10/2012 12:34	6949.88	202.78	1.32	6748.42
HJMU-101	KM	8/13/2012 8:14	6949.88	203.05	1.32	6748.15
HJMU-104	KM	8/2/2012 9:34	6940.52	197.10	0	6743.42
HJMU-104	KM	8/8/2012 8:39	6940.52	197.19	0	6743.33
HJMU-104	KM	8/8/2012 15:41	6940.52	196.80	0	6743.72
HJMU-104	KM	8/9/2012 10:54	6940.52	196.67	0	6743.85
HJMU-104	KM	8/9/2012 13:45	6940.52	196.68	0	6743.84
HJMU-104	KM	8/10/2012 8:57	6940.52	196.92	0	6743.6
HJMU-104	KM	8/10/2012 12:47	6940.52	197.13	0	6743.39
HJMU-104	KM	8/13/2012 8:01	6940.52	187.53	0	6752.99
HJMU-105	KM	8/8/2012 8:44	6937.58	193.79	0	6743.79
HJMU-105	KM	8/8/2012 15:44	6937.58	193.35	0	6744.23
HJMU-105	KM	8/9/2012 10:58	6937.58	193.26	0	6744.32
HJMU-105	KM	8/9/2012 13:51	6937.58	193.24	0	6744.34
HJMU-105	KM	8/10/2012 8:51	6937.58	193.53	0	6744.05
HJMU-105	KM	8/10/2012 12:41	6937.58	193.79	0	6743.79
HJMU-105	KM	8/13/2012 8:08	6937.58	194.13	0	6743.45
HJMU-108	KM	8/8/2012 8:03	6951.52	203.99	0	6747.53
HJMU-108	KM	8/8/2012 15:05	6951.52	203.68	0	6747.84
HJMU-108	KM	8/9/2012 9:45	6951.52	203.52	0	6748
HJMU-108	KM	8/9/2012 13:06	6951.52	203.59	0	6747.93
HJMU-108	KM	8/10/2012 7:30	6951.52	203.89	0	6747.63
HJMU-108	KM	8/10/2012 14:12	6951.52	204.05	0	6747.47
HJMU-108	KM	8/13/2012 8:30	6951.52	204.35	0	6747.17
HJMU-109	KM	8/2/2012 10:02	6939.38	190.80	0	6748.58
HJMU-109	KM	8/8/2012 9:09	6939.38	190.93	0	6748.45
HJMU-109	KM	8/9/2012 10:05	6939.38	190.78	0	6748.6
HJMU-109	KM	8/9/2012 14:07	6939.38	190.68	0	6748.7
HJMU-109	KM	8/10/2012 8:35	6939.38	190.76	0	6748.62
HJMU-109	KM	8/10/2012 13:16	6939.38	190.79	0	6748.59
HJMU-109	KM	8/13/2012 8:39	6939.38	190.93	0	6748.45
HJMU-110	KM	8/8/2012 8:37	6947.56	199.90	0.3	6747.96
HJMU-110	KM	8/8/2012 14:08	6947.56	199.69	0.3	6748.17
HJMU-110	KM	8/9/2012 9:58	6947.56	199.50	0.3	6748.36

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
HJMU-110	KM	8/9/2012 14:16	6947.56	199.50	0.3	6748.36
HJMU-110	KM	8/10/2012 9:26	6947.56	199.77	0.3	6748.09
HJMU-110	KM	8/10/2012 13:24	6947.56	200.00	0.3	6747.86
HJMU-110	KM	8/13/2012 8:51	6947.56	200.25	0.3	6747.61
HJMU-113	KM	8/8/2012 8:27	6936.99	186.97	0	6750.02
HJMU-113	KM	8/8/2012 13:54	6936.99	186.90	0	6750.09
HJMU-113	KM	8/9/2012 9:57	6936.99	186.94	0	6750.05
HJMU-113	KM	8/9/2012 14:49	6936.99	186.87	0	6750.12
HJMU-113	KM	8/10/2012 9:22	6936.99	186.95	0	6750.04
HJMU-113	KM	8/10/2012 13:09	6936.99	186.90	0	6750.09
HJMU-113	KM	8/13/2012 8:22	6936.99	186.97	0	6750.02
LC17M	KM	8/1/2012 10:58	6936.90	187.95	1.31	6750.26
LC17M	KM	8/2/2012 10:05	6936.90	187.78	1.31	6750.43
LC17M	KM	8/8/2012 8:47	6936.90	187.78	1.31	6750.43
LC17M	KM	8/8/2012 14:23	6936.90	187.78	1.31	6750.43
LC17M	KM	8/9/2012 9:42	6936.90	187.86	1.31	6750.35
LC17M	KM	8/9/2012 14:39	6936.90	187.85	1.31	6750.36
LC17M	KM	8/10/2012 8:47	6936.90	187.79	1.31	6750.42
LC17M	KM	8/10/2012 13:37	6936.90	187.81	1.31	6750.4
LC17M	KM	8/13/2012 8:11	6936.90	187.87	1.31	6750.34
LC20M	KM	8/8/2012 7:57	6950.52	204.66	1.32	6747.18
LC20M	KM	8/8/2012 14:56	6950.52	204.34	1.32	6747.5
LC20M	KM	8/9/2012 9:41	6950.52	204.21	1.32	6747.63
LC20M	KM	8/9/2012 14:11	6950.52	204.25	1.32	6747.59
LC20M	KM	8/10/2012 7:23	6950.52	204.38	1.32	6747.46
LC20M	KM	8/10/2012 14:15	6950.52	204.71	1.32	6747.13
LC20M	KM	8/13/2012 8:58	6950.52	204.91	1.32	6746.93
LC24M	KM	8/8/2012 8:44	6944.33	192.16	0	6752.17
LC24M	KM	8/8/2012 14:19	6944.33	192.12	0	6752.21
LC24M	KM	8/9/2012 9:47	6944.33	191.96	0	6752.37
LC24M	KM	8/9/2012 14:32	6944.33	191.89	0	6752.44
LC24M	KM	8/10/2012 9:03	6944.33	192.02	0	6752.31
LC24M	KM	8/10/2012 13:32	6944.33	192.00	0	6752.33
LC24M	KM	8/13/2012 9:12	6944.33	192.44	0	6751.89
MU-101	KM	8/1/2012 11:35	6940.37	188.38	0.33	6752.32
MU-101	KM	8/8/2012 9:04	6940.37	188.42	0.33	6752.28
MU-101	KM	8/8/2012 14:42	6940.37	188.39	0.33	6752.31
MU-101	KM	8/9/2012 9:04	6940.37	188.40	0.33	6752.3
MU-101	KM	8/9/2012 13:25	6940.37	188.34	0.33	6752.36
MU-101	KM	8/10/2012 8:55	6940.37	188.36	0.33	6752.34
MU-101	KM	8/10/2012 13:54	6940.37	188.33	0.33	6752.37
MU-101	KM	8/13/2012 7:48	6940.37	188.39	0.33	6752.31
MU-101	KM	8/13/2012 13:11	6940.37	188.33	0.33	6752.37
MU-102	KM	8/8/2012 8:54	6940.43	190.47	1.3	6751.26
MU-102	KM	8/8/2012 14:31	6940.43	190.30	1.3	6751.43
MU-102	KM	8/9/2012 9:37	6940.43	190.45	1.3	6751.28
MU-102	KM	8/9/2012 13:50	6940.43	190.30	1.3	6751.43
MU-102	KM	8/10/2012 9:12	6940.43	190.34	1.3	6751.39
MU-102	KM	8/10/2012 13:44	6940.43	190.34	1.3	6751.39
MU-102	KM	8/13/2012 7:57	6940.43	190.36	1.3	6751.37

Appendix A-3. North Repeat Test, E-Line Data

Well Name	Horizon	Level Date	TOC Elev (ft amsl)	DTW (ft btoc)	Top of Riser (ft)	WL Elev (ft amsl)
MU-102	KM	8/13/2012 15:30	6940.43	181.18	1.3	6760.55
MU-102	KM	8/13/2012 15:32	6940.43	190.35	1.3	6751.38
MU-103	KM	8/2/2012 11:57	6935.35	185.85	1.3	6750.8
MU-103	KM	8/13/2012 15:55	6935.35	180.52	1.3	6756.13
MU-104	KM	8/8/2012 9:04	6937.88	194.38	1.25	6744.75
MU-104	KM	8/8/2012 15:15	6937.88	194.10	1.25	6745.03
MU-104	KM	8/9/2012 9:09	6937.88	193.98	1.25	6745.15
MU-104	KM	8/9/2012 13:22	6937.88	193.93	1.25	6745.2
MU-104	KM	8/10/2012 8:42	6937.88	194.00	1.25	6745.13
MU-104	KM	8/10/2012 12:27	6937.88	194.00	1.25	6745.13
MU-104	KM	8/13/2012 8:22	6937.88	194.48	1.25	6744.65
MU-105	KM	8/1/2012 10:43	6950.08	203.69	1.31	6747.7
MU-105	KM	8/2/2012 12:33	6950.08	203.65	1.31	6747.74
MU-106	KM	8/1/2012 10:10	6941.75	166.30	1.32	6776.77
MU-106	KM	8/2/2012 10:08	6941.75	197.70	1.32	6745.37
MU-107	KM	8/1/2012 9:00	6936.06	194.05	1.32	6743.33
MU-107	KM	8/2/2012 9:16	6936.06	194.00	1.32	6743.38
MU-107	KM	8/2/2012 10:35	6936.06	194.06	1.32	6743.32
MU-109	KM	8/2/2012 11:48	6932.78	193.15	1.3	6740.93
MU-110	KM	8/1/2012 9:27	6939.23	202.10	1.31	6738.44
MU-110	KM	8/2/2012 8:28	6939.23	201.96	1.31	6738.58
MU-110	KM	8/2/2012 10:52	6939.23	201.90	1.31	6738.64
MU-111	KM	8/2/2012 11:03	6937.05	200.35	1.31	6738.01
MU-112	KM	8/1/2012 9:25	6936.75	200.45	1.33	6737.63
MU-112	KM	8/2/2012 8:17	6936.75	200.45	1.33	6737.63
MU-112	KM	8/2/2012 11:21	6936.75	200.61	1.33	6737.47
MU-113	KM	8/2/2012 11:41	6923.75	188.36	1.3	6736.69
UKMP-101	KM	8/2/2012 12:05	6941.74	192.82	0	6748.92
UKMU-103	KM	8/8/2012 9:39	6950.92	197.68	0.53	6753.77
UKMU-103	KM	8/8/2012 14:14	6950.92	197.65	0.53	6753.8
UKMU-103	KM	8/9/2012 9:53	6950.92	200.00	0.53	6751.45
UKMU-103	KM	8/9/2012 14:27	6950.92	197.63	0.53	6753.82
UKMU-103	KM	8/10/2012 9:09	6950.92	197.67	0.53	6753.78
UKMU-103	KM	8/10/2012 13:29	6950.92	197.66	0.53	6753.79
UKMU-103	KM	8/13/2012 9:02	6950.92	197.66	0.53	6753.79