



ENGINEERING INFORMATION RECORD

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Title McGuire Unit 1 & 2 Kinetic Sleeve Evaluation, Non-Proprietary

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Reviewer is Independent.

Remarks:

Non-Proprietary

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- e. The information reveals special aspects of a process, method, component or the like, the exclusive use of which results in a competitive advantage to BWNT.

A report has been written documenting the root cause evaluation of the McGuire Unit 1 tube/sleeve leak which occurred in August, 1993. This report also discusses the consequences of a sleeved tube failure. The report "Evaluation of BWNT's Kinetic Sleeving Process" (BWNT Doc. #51-1228682-00, Proprietary-1 or #51-1128707-01, Non-Proprietary) has been used as the basis for an evaluation of the McGuire Unit 1 and 2 sleeves currently in service.

A total of 1,484 kinetic sleeves (859 Unit 1, 625 Unit 2) have been installed in the McGuire units. During previous outages and the outages associated with the tube/sleeve failure a total of 233 sleeved tubes were removed from service. The tubes removed from service during the recent outages were selected due to their position in the tube bundle (un-restrained tubes), the tube yield strength over 64 ksi, or exhibiting a predicted tube life less than 8.3 Effective Full Power Years (EFPY).

This results in a total of 1251 sleeved tubes currently in service. Tables 1 and 2 provide a full listing of the sleeved tubes with current and projected sleeve life for their respective re-fueling dates. The prediction of tube life based on tube material properties (yield strength and % Carbon) are also shown. The details of the algorithm that was used to determine the predicted tube life can be found in the evaluation report. No tube life prediction is provided for tube locations which do not have known material properties.

Based on the predicted tube life algorithm, and using a safety factor of [d] as recommended by the evaluation report, all sleeved tubes currently in service will maintain a margin of predicted life at the end of the current fuel cycle.

A projection of the sleeve life to the end of the next fuel cycle (ending in 1995) concludes that no additional sleeves will require plugging during the 1994 refueling outages to maintain a safety factor of [d] on predicted life.

Since McGuire Unit 1 is scheduled for steam generator replacement during the 1995 outage, no additional sleeve life projections are provided past this date. For McGuire Unit 2, projections for sleeve life are provided up to the steam generator replacement outage in 1997. Sleeved tubes with projected life less than the predicted tube life at the end of the fuel cycle with a safety factor of [d] are designated to be plugged. This indicates that a total of 34 sleeves would be plugged during the 3/96 outage.

Please note that all outage dates are projections and were confirmed with input from the "Duke Power 6 Year Overview Outage Schedule" revised on 7/21/93.

BWNT is currently planning additional testing (both X-Ray Diffraction and Corrosion) to evaluate kinetic sleeves installed in high yield strength tube material. These tests are being made to gain additional confidence in the algorithm for sleeve life projection. The safety factors applied to the projected tube/sleeve life will be re-evaluated once these test results are available.

TABLE 1A
McGUIRE UNIT 1 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
PLUGGED	39	58	72.5	0.051	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	39	72	72.5	0.051	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	41	71	72.5	0.051	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	11	112	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	19	97	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	24	65	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	24	71	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	30	86	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	30	94	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	24	57	64.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	15	76	61.0	0.05	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	12	59	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	12	95	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	13	44	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	16	92	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	19	101	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	21	110	65.0	0.03	[d]	TTS-HL	[c]	4/90	2.3	4.4	
PLUGGED	23	51	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	24	100	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	24	105	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	26	85	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	28	39	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	28	103	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	36	77	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	16	83	60.0	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	94	62.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	35	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
PLUGGED	2	56	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	2	71	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	73	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	3	65	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	75	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	6	87	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	6	96	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	55	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	78	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	7	94	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	7	107	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	110	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	68	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	76	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	109	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	25	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	18	60	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	18	61	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	18	80	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	18	82	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	61	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	73	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	26	66	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	27	72	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	32	101	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	33	50	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	35	52	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
	35	53	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	35	71	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	2	53	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	2	60	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	2	114	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	3	68	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	3	86	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	3	89	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	69	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	86	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	95	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	96	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	97	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	98	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	101	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	58	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	61	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	63	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	67	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	98	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	100	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	102	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	112	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	7	54	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	7	80	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	82	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	87	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
8	20	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
8	106	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
9	86	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	88	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	91	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
9	92	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	96	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
9	97	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	101	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	105	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
9	106	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
9	107	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
10	60	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
10	70	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
10	72	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	57	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
15	65	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
15	85	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
20	60	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
21	74	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
21	82	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
22	59	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	61	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	72	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
22	73	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	74	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	75	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
		KSI		EFPY						
23	66	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
23	68	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
23	70	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
23	74	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
23	75	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
23	81	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
25	66	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
27	106	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
30	66	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
31	86	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
31	96	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
32	67	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
41	85	62.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
41	86	62.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
44	74	62.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
16	62	63.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
2	57	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	88	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	53	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	12	105	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
	13	25	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
	13	108	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
	14	45	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
	18	29	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
	19	58	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
	21	67	61.0	0.03	[d]	TTS-HL	4/90	2.3	4.4	
	22	54	61.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
PLUGGED	22	57	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	22	71	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	22	82	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	23	59	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	24	87	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	25	67	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	26	80	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	27	63	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	27	68	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	27	69	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	27	71	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	27	76	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	28	60	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	28	76	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	28	78	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	28	84	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	29	66	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	29	71	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	29	74	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	29	78	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	29	104	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	30	61	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	58	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	16	70	59.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	12	106	60.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	13	64	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	13	83	60.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
	17	100	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	20	89	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	34	86	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	14	80	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	15	82	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	33	77	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	33	86	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	33	93	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	35	74	58.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	82	58.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	84	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	36	99	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	36	83	59.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	16	79	57.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	2	1	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	6	114	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	7	111	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	8	54	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	9	29	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	10	83	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	104	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	61	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	14	73	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	15	52	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	15	83	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	16	71	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	16	111	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (11/95)	RECOMMEND PLUGGING (7/94)
19	84	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
20	77	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
20	79	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
21	64	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
21	96	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
27	64	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
28	68	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
29	62	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
29	83	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
30	71	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
30	83	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
16	88	56.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
16	76	57.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
40	81	55.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
40	95	55.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
42	80	55.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
43	80	55.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	65	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	72	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	7	77	58.0	0.02	[d]	TTS-HL	4/90	2.3	4.4	
9	53	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
19	76	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
21	69	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	63	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	66	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
23	69	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
25	64	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
25	71	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
26	78	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
26	79	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
27	65	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
27	75	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
28	75	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
29	64	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
29	68	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
29	70	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
29	73	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
29	84	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
30	65	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
30	81	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	72	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
33	52	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	33	56.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	39	56.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
3	58	56.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
3	81	56.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
3	83	56.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
8	86	56.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
16	68	57.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
2	80	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	23	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
3	50	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	46	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
14	88	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

		TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
ROW	COL	KSI		EFPY						
16	81	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
23	65	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
25	74	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
26	60	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
26	72	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
26	81	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
27	93	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
28	67	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
34	67	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
35	59	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
40	54	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
14	97	51.0	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
16	110	53.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
2	75	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
2	104	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED 16	64	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
20	73	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	77	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
24	94	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
33	40	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
38	93	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
30	77	52.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	62	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	105	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
6	110	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
10	74	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED 12	113	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1A
McGUIRE UNIT 1 S/G "A"

		TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
	ROW	COL	KSI							
	19	78	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4
	21	72	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3
	23	77	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4
	30	74	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3
	31	89	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3
	38	77	51.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
PLUGGED	15	112	52.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4
	36	85	53.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3
PLUGGED	16	106	48.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
PLUGGED	36	78	48.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	38	80	48.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	8	83	45.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3
	15	91	47.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4
	29	77	47.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3
	2	87				TTS-HL	[e]	9/91	1.2	3.3
	2	88				TTS-HL	[e]	9/91	1.2	3.3
	8	93				TTS-HL	[e]	4/90	2.3	4.4
	12	103				TTS-HL	[e]	4/90	2.3	4.4
	14	78				TTS-HL	[e]	9/91	1.2	3.3
	14	79				TTS-HL	[e]	4/90	2.3	4.4
	14	105				TTS-HL	[e]	9/91	1.2	3.3
	14	111				TTS-HL	[e]	9/91	1.2	3.3
	15	84				TTS-HL	[e]	4/90	2.3	4.4
	15	92				TTS-HL	[e]	4/90	2.3	4.4
	15	94				TTS-HL	[e]	4/90	2.3	4.4
PLUGGED	16	63				TTS-HL	[e]	4/90	2.3	4.4
PLUGGED	16	66				TTS-HL	[e]	9/91	1.2	3.3

TABLE 1A
McGUIRE UNIT 1 S/G "A"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED. EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
16	85				TTS-HL	(e)	9/91	1.2	3.3	
19	68				TTS-HL	(e)	9/91	1.2	3.3	
21	75				TTS-HL	(e)	9/91	1.2	3.3	
26	71				TTS-HL	(e)	4/90	2.3	4.4	
27	77				TTS-HL	(e)	9/91	1.2	3.3	
28	74				TTS-HL	(e)	4/90	2.3	4.4	
30	68				TTS-HL	(e)	9/91	1.2	3.3	
31	79				TTS-HL	(e)	9/91	1.2	3.3	
31	99				TTS-HL	(e)	9/91	1.2	3.3	
32	77				TTS-HL	(e)	4/90	2.3	4.4	
37	69				TTS-HL	(e)	9/91	1.2	3.3	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
PLUGGED	22	66	72.5	0.05	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	20	35	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	20	36	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	21	34	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	21	56	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	32	45	65.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	41	39	61.0	0.05	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	41	87	61.0	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	10	36	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	18	46	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	19	49	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	20	39	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	21	38	65.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	24	43	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	40	31	64.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	65	62.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	14	28	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	30	22	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	31	79	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	34	53	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	34	55	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	46	63.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	41	85	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	44	60	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	56	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	79	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	18	10	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
PLUGGED	18	28	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	20	15	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	31	54	61.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	45	83	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	49	78	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	22	47	62.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	26	53	62.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	27	43	62.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	14	46	63.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	7	9	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	64	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	20	102	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	21	20	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	22	12	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	23	33	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	23	37	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	44	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	24	46	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	55	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	25	38	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	25	45	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	26	62	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	28	68	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	28	71	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	47	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	49	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	35	54	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
	36	64	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	38	43	61.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	38	44	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	41	61	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	41	41	56.0	0.05	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	10	37	60.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	19	51	60.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	21	27	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	21	28	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	21	29	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	45	61	58.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	6	59.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	6	16	59.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	20	6	59.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	41	59.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	21	14	60.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	21	15	60.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	23	61	60.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	43	38	60.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	2	63	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	3	44	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	15	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	26	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	45	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	7	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	43	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	6	20	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
6	26	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
6	35	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
6	38	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
6	41	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
6	90	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
7	10	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
8	43	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
11	61	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
11	99	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
13	18	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
13	41	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
18	47	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
19	29	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	21	61	58.0	0.03	[d]	TTS-HL	4/90	2.3	4.4	
PLUGGED	21	66	58.0	0.03	[d]	TTS-HL	4/90	2.3	4.4	
PLUGGED	24	23	58.0	0.03	[d]	TTS-HL	4/90	2.3	4.4	
24	39	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
25	56	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
25	66	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
26	21	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
26	66	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	27	22	58.0	0.03	[d]	TTS-HL	4/90	2.3	4.4	
29	57	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	23	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
33	76	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	38	98	58.0	0.03	[d]	TTS-HL	9/91	1.2	3.3	
39	64	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
41	47	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
44	65	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
48	59	58.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
41	22	56.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
41	34	56.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
41	42	58.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
33	19	59.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
13	30	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
26	17	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
27	71	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
29	63	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
32	42	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
36	45	58.0	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
37	49	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	15	56.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
32	68	56.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
22	63	57.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
23	82	57.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
2	26	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
6	39	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
6	44	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
6	45	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
6	53	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
7	78	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	67	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
12	78	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
14	68	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
26	49	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
28	15	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
45	50	58.0	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
2	39	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
5	37	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
6	42	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
8	35	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
10	26	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	12	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	27	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	31	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	38	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	89	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
17	35	54.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
24	18	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	30	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	102	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
30	57	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED 31	62	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
31	69	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
39	19	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
39	21	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
42	36	53.0	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
43	35	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
41	25	48.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
41	27	48.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
42	88	48.0	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1B
McGUIRE UNIT 1 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
	13	82	51.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	31	13	51.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	22	72	46.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	78				TTS-HL	[e]	9/91	1.2	3.3	
	12	74				TTS-HL	[e]	9/91	1.2	3.3	
	18	83				TTS-HL	[e]	9/91	1.2	3.3	
	23	68				TTS-HL	[e]	9/91	1.2	3.3	
	29	56				TTS-HL	[e]	4/90	2.3	4.4	
	31	48				TTS-HL	[e]	4/90	2.3	4.4	
	39	82				TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	40	34				TTS-HL	[e]	4/90	2.3	4.4	
	42	35				TTS-HL	[e]	9/91	1.2	3.3	
	43	34				TTS-HL	[e]	9/91	1.2	3.3	
	43	36				TTS-HL	[e]	9/91	1.2	3.3	
	44	28				TTS-HL	[e]	9/91	1.2	3.3	
	44	33				TTS-HL	[e]	9/91	1.2	3.3	
	47	84				TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	49	48				TTS-HL	[e]	4/90	2.3	4.4	

TABLE 1C
McGUIRE UNIT 1 S/G "C"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
PLUGGED	18	75	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	18	81	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	19	68	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	19	78	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	21	65	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	21	68	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	22	69	65.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	25	53	62.0	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	2	95	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	5	63	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	5	75	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	5	78	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	6	95	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	6	98	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	8	109	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	27	104	65.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	71	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	101	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	7	113	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	8	96	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	51	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	27	42	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	29	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	41	92	63.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	108	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	109	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	111	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1C
McGUIRE UNIT 1 S/G "C"

	ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
			STRENGTH		SEMI-LOG				EFPY	EFPY	
			ksi	CONTENT	PRED			DATE	(9/93)	(10/95)	PLUGGING
					EFPY						(7/94)
PLUGGED	3	64	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	80	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	55	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	86	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	12	78	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	16	50	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	18	88	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	49	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	34	77	61.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	34	64	62.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	62	63.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	3	106	57.0	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	94	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	2	105	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	68	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	95	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	5	101	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	98	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	15	102	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	17	54	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	18	58	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	20	89	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	53	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	24	67	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	25	71	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	27	106	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	28	61	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1C
McGUIRE UNIT 1 S/G "C"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
32	69	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
48	81	61.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	77	59.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	81	59.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	102	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
12	68	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
16	35	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
18	73	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
20	88	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
21	64	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
21	79	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
22	62	60.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
5	103	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
13	78	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
13	111	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
16	44	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
19	90	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
28	79	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	79	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED 46	64	58.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
27	44	55.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
8	72	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
24	77	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
25	68	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
46	87	58.0	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED 9	71	56.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
36	95	54.0	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1C
McGUIRE UNIT 1 S/G "C"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PRED EFPY	LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (10/95)	RECOMMEND PLUGGING (7/94)
18	89	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
44	88	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
46	85	58.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
19	49	55.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	76	55.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
11	113	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
20	94	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
27	73	54.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	93	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	48	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
31	53	53.0	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
7	106	47.0	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
4	105				TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED 11	80				TTS-HL	[e]	9/91	1.2	3.3	
21	55				TTS-HL	[e]	9/91	1.2	3.3	
27	39				TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

	ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
			STRENGTH		SEMI-LOG				EPFY	EPFY	PLUGGING
			KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	(7/94)
PLUGGED	3	3	65	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	5	13	65	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	10	12	65	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	12	55	65	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	17	80	65	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	20	94	65	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	21	12	65	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	23	31	65	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	23	66	65	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	28	57	65	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	41	52	62	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	4	35	65	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	6	3	65	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	7	9	65	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	7	34	65	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	16	16	65	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	16	65	65	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	21	36	65	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	22	45	65	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	29	61	65	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	29	70	65	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	30	51	65	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	5	42	63	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	4	17	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	36	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	55	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
		STRENGTH		SEMI-LOG				EFPY	EFPY	
		KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	(7/94)
4	64	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	79	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
6	37	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
7	57	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
22	35	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
30	47	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
32	80	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
33	81	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
35	53	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
35	54	63	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
37	50	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
38	47	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
44	71	63	0.03	[d]	TTS-HL	[e]	4/91	1.2	3.3	
45	30	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
46	57	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
47	52	63	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	68	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	27	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	28	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
4	62	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
7	71	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
9	80	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
10	29	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
10	32	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
11	62	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
11	97	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
		STRENGTH		SEMI-LOG				EFPY	EFPY	
		KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	(7/94)
	13	33	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	13	45	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	13	60	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	13	62	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	14	22	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	14	60	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	15	27	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	15	37	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	19	61	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	20	47	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	25	81	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	26	47	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	27	53	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	27	62	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	31	75	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	31	84	61	0.04	[c]	TTS-HL	[e]	4/90	2.3	4.4
	32	64	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
PLUGGED	32	67	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	33	41	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
	35	51	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
	36	31	61	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3
PLUGGED	42	94	61	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4
PLUGGED	34	61	64	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3
	31	47	62	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3
	27	70	63	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3
	3	32	61	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3

TABLE 1D
McGUIRE UNIT 1 S/G "D"

	ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
			STRENGTH		SEMI-LOG				EFPY	EFPY	
			KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	PLUGGING
					EFPY						(7/94)
PLUGGED	4	63	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	5	19	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	6	30	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	6	62	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	6	65	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	9	57	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	12	35	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	13	26	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	18	55	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	20	80	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	29	18	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	32	30	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	34	31	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	35	27	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	35	33	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	36	43	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	36	51	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	36	63	61	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	36	65	61	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	38	77	61	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	38	80	61	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	8	90	59	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	9	2	59	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	9	13	59	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	9	35	59	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	9	88	59	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

	ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
			STRENGTH		SEMI-LOG				EFPY	EFPY	
			KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	(7/94)
PLUGGED	11	25	59	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	61	59	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	27	67	59	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	41	66	59	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	18	49	56	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	3	39	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	3	42	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	3	56	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	10	28	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	13	35	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	13	46	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	16	20	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	18	31	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	18	57	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	19	70	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	20	9	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	22	87	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	23	19	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	23	24	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	27	9	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	27	54	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	28	55	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	30	56	60	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	32	52	60	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	8	78	58	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	97	58	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

	ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
			STRENGTH		SEMI-LOG				EFPY	EFPY	PLUGGING
			ksi	CONTENT	EFPY			DATE	(9/93)	(10/95)	(7/94)
PLUGGED	42	80	58	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	34	59	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	22	78	57	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	43	57	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	33	60	57	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	66	57	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	35	67	57	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	4	31	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	11	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	7	39	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	10	17	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	10	40	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	10	43	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	10	72	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	14	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	16	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	18	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	60	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	69	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	75	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	12	34	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	13	36	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	13	90	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	14	30	58	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	15	58	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	15	60	58	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG		LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFY (9/93)	SLEEVE EFY (10/95)	RECOMMEND PLUGGING (7/94)
				PRED	EFY						
15	62	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
15	80	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
16	61	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
17	5	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
17	18	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
18	10	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
18	13	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
18	14	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
18	15	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
19	13	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
19	77	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
20	40	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
22	44	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
23	36	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
23	46	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
25	56	58	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
34	47	58	0.03	[d]		TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	49	32	54	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	49	33	54	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	19	46	53	0.05	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	23	53	53	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	36	26	53	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	36	30	53	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	38	17	53	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	38	19	53	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	40	23	53	0.05	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG		LOCATION	LENGTH	INSTALLATION DATE	SLEEVE EFY (9/93)	SLEEVE EFY (10/95)	RECOMMEND PLUGGING (7/94)
				PRED EFY							
40	30	53	0.05	[d]		TTS-HL	[e]	9/91	1.2	3.3	
40	31	53	0.05	[d]		TTS-HL	[e]	9/91	1.2	3.3	
40	32	53	0.05	[d]		TTS-HL	[e]	9/91	1.2	3.3	
40	41	53	0.05	[d]		TTS-HL	[e]	9/91	1.2	3.3	
41	28	53	0.05	[d]		TTS-HL	[e]	9/91	1.2	3.3	
7	78	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
8	42	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
8	62	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
9	83	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
10	31	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
10	67	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
11	3	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
19	10	55	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
13	25	58	0.02	[d]		TTS-HL	[e]	9/91	1.2	3.3	
30	23	58	0.02	[d]		TTS-HL	[e]	9/91	1.2	3.3	
48	81	58	0.02	[d]		TTS-HL	[e]	4/90	2.3	4.4	
9	69	54	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
10	63	54	0.04	[d]		TTS-HL	[e]	4/90	2.3	4.4	
6	91	57	0.02	[d]		TTS-HL	[e]	9/91	1.2	3.3	
18	54	57	0.02	[d]		TTS-HL	[e]	4/90	2.3	4.4	
7	62	58	0.01	[d]		TTS-HL	[e]	4/90	2.3	4.4	
12	24	55	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
22	80	55	0.03	[d]		TTS-HL	[e]	4/90	2.3	4.4	
PLUGGED	42	78	55	0.03		TTS-HL	[e]	4/90	2.3	4.4	
	17	31	56	0.02		TTS-HL	[e]	9/91	1.2	3.3	
	6	69	54	0.03		TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

	ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
			STRENGTH		SEMI-LOG				EFPY	EFPY	
			KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	PLUGGING
					EFPY						(7/94)
PLUGGED	9	79	54	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	10	75	54	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	13	61	54	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	14	29	54	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	23	47	54	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	35	75	52	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	49	68	52	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	6	79	53	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	15	76	53	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	36	47	54	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	9	37	52	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	77	52	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	11	81	52	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	12	20	52	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	12	25	52	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
PLUGGED	13	29	52	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	12	10	53	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	12	27	53	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	12	60	53	0.01	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	12	62	53	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	12	63	53	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	12	81	53	0.01	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	8	28	50	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	11	50	0.03	[d]	TTS-HL	[e]	4/90	2.3	4.4	
	11	67	50	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
	33	39	50	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
		STRENGTH		SEMI-LOG				EFPY	EFPY	PLUGGING
		KSI	CONTENT	PRED			DATE	(9/93)	(10/95)	(7/94)
2	52	48	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
2	71	48	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
2	74	48	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
2	87	48	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
19	31	48	0.04	[d]	TTS-HL	[e]	4/90	2.3	4.4	
36	99	48	0.04	[d]	TTS-HL	[e]	9/91	1.2	3.3	
8	9	49	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
8	77	49	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
8	82	49	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
9	75	49	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
10	60	49	0.02	[d]	TTS-HL	[e]	9/91	1.2	3.3	
11	20	49	0.02	[d]	TTS-HL	[e]	4/90	2.3	4.4	
6	101	44	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
20	55	44	0.03	[d]	TTS-HL	[e]	9/91	1.2	3.3	
3	35				TTS-HL	[e]	4/90	2.3	4.4	
3	46				TTS-HL	[e]	9/91	1.2	3.3	
4	30				TTS-HL	[e]	4/90	2.3	4.4	
4	32				TTS-HL	[e]	4/90	2.3	4.4	
5	25				TTS-HL	[e]	4/90	2.3	4.4	
5	40				TTS-HL	[e]	9/91	1.2	3.3	
6	6				TTS-HL	[e]	9/91	1.2	3.3	
7	15				TTS-HL	[e]	4/90	2.3	4.4	
11	52				TTS-HL	[e]	4/90	2.3	4.4	
14	86				TTS-HL	[e]	4/90	2.3	4.4	
17	38				TTS-HL	[e]	9/91	1.2	3.3	
17	43				TTS-HL	[e]	9/91	1.2	3.3	

TABLE 1D
McGUIRE UNIT 1 S/G "D"

ROW	COL	TUBE YIELD	CARBON	TUBE	LOCATION	LENGTH	INSTALLATION	SLEEVE	SLEEVE	RECOMMEND
		STRENGTH		SEMI-LOG				EFPY	EFPY	
		ksi	CONTENT	PRED			DATE	(9/93)	(10/95)	(7/94)
22	50				TTS-HL	[e]	4/90	2.3	4.4	
23	45				TTS-HL	[e]	4/90	2.3	4.4	
25	53				TTS-HL	[e]	4/90	2.3	4.4	
26	44				TTS-HL	[e]	9/91	1.2	3.3	
27	49				TTS-HL	[e]	4/90	2.3	4.4	
28	69				TTS-HL	[e]	4/90	2.3	4.4	
30	44				TTS-HL	[e]	9/91	1.2	3.3	
30	45				TTS-HL	[e]	4/90	2.3	4.4	
30	52				TTS-HL	[e]	4/90	2.3	4.4	
31	50				TTS-HL	[e]	4/90	2.3	4.4	
33	59				TTS-HL	[e]	9/91	1.2	3.3	
35	47				TTS-HL	[e]	9/91	1.2	3.3	
40	40				TTS-HL	[e]	9/91	1.2	3.3	
44	31				TTS-HL	[e]	9/91	1.2	3.3	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

			TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
	ROW	COL	KSI		EFPY							
PLUGGED	48	62	64	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	10	48	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	14	96	65	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	16	33	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	4	44	64	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	19	8	64	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	35	59	64	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	8	25	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	24	35	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	24	50	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	25	44	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	25	49	65	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	25	95	65	0.03	[d]	7TH TSP	[e]	1/92	1.1	3.2	4.2	
PLUGGED	37	57	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	16	68	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	19	54	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	38	69	62	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	13	88	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	14	9	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	19	63	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	21	46	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	35	42	63	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	25	15	62	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	46	82	62	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	18	37	60	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	6	74	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		KSI		EFPY				(9/93)	(3/96)	(7/97)	(3/96)
5	82	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	42	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	88	61	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
29	85	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
2	4	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
7	23	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	4	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	6	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
8	27	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	41	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	47	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	48	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	53	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	30	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	31	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
9	35	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	40	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	54	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
11	15	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
12	22	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
15	57	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	43	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	18	4	59	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	18	69	59	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	26	56	59	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	26	59	59	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		КСІ		ЕРРУ				(9/93)	(3/96)	(7/97)	
27	90	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	93	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
28	19	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
29	66	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
38	31	59	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
3	62	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	110	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	74	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	72	58	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
5	56	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	3	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	15	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	36	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	14	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	107	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	31	58	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
24	56	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
31	47	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
41	36	58	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
44	62	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
44	67	58	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
45	63	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
45	71	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	4	59	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
10	15	59	0.03	[d]	7TH TSP	[e]	1/92	1.1	3.2	4.2	
11	53	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
			KSI		EFPY				(9/93)	(3/96)	(7/97)	(3/96)
	13	62	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	20	50	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	23	89	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	24	52	59	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	27	49	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	31	15	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	35	71	59	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	37	50	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	11	3	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	11	38	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	13	75	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	16	14	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	17	97	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	25	33	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	33	18	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	36	57	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	36	65	57	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	6	29	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	10	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	20	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	57	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	8	57	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	8	62	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	9	5	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	9	20	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	15	17	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

	ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOG.	LENGTH	INSTALL	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
			KSI		EFPY			DATE	(9/93)	(3/96)	(7/97)	(3/96)
PLUGGED	15	59	58	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	16	19	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	21	50	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	32	47	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	37	48	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	47	70	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	47	71	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	53	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	8	3	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	10	19	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	15	36	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	15	39	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	27	19	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	31	31	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	26	51	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	27	27	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	30	48	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	40	80	57	0.03	[d]	7TH TSP	[e]	1/92	1.1	3.2	4.2	
	26	49	55	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	27	89	55	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	34	49	58	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	4	85	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	109	56	0.03	[d]	7TH TSP	[e]	1/92	1.1	3.2	4.2	
	10	60	56	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	17	73	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	28	85	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		KSI		EFPY				(9/93)	(3/96)	(7/97)	
39	72	56	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
27	91	52	0.05	[u]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
36	82	55	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	20	53	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
33	20	53	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
40	50	53	0.04	[d]	7TH TSP	[e]	1/92	1.1	3.2	4.2	
33	57	52	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	83	54	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
37	51	54	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	34	51	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	28	55	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	36	55	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
35	54	55	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
5	71	52	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
39	38	50	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
41	70	50	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	61				TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	22				TTS-HL	[e]	1/92	1.1	3.2	4.2	
6	16				TTS-HL	[e]	1/92	1.1	3.2	4.2	
15	19				TTS-HL	[e]	1/92	1.1	3.2	4.2	
16	27				TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	93				TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	70				TTS-HL	[e]	10/90	2.1	4.2	5.2	
34	46				TTS-HL	[e]	10/90	2.1	4.2	5.2	
38	36				TTS-HL	[e]	10/90	2.1	4.2	5.2	
39	26				TTS-HL	[e]	1/92	1.1	3.2	4.2	

TABLE 2A
McGUIRE UNIT 2 S/G "A"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		KSI		EFPY				(9/93)	(3/96)	(7/97)	
39	31				TTS-HL	[e]	10/90	2.1	4.2	5.2	
39	41				TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2B
McGUIRE UNIT 2 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
PLUGGED	20	43	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	20	62	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	20	65	65	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	22	59	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	22	67	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	29	75	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	31	75	65	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	41	21	64	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	5	81	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	54	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	55	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	12	113	65	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	14	98	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	19	109	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	62	65	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	23	64	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	65	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	66	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	68	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	72	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	78	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	81	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	83	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	84	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	25	60	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	25	64	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	25	82	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	26	76	65	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	22	85	60	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2B
McGUIRE UNIT 2 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
PLUGGED	5	91	64	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	6	73	64	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	7	70	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	75	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	79	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	13	57	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	15	30	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	25	65	64	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	3	103	62	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	3	111	62	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	8	60	63	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	10	104	63	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	11	106	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	18	45	63	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	21	46	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	29	45	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	29	48	63	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	33	85	63	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	39	94	63	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	8	58	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	10	75	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	10	77	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	10	81	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	10	101	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	10	107	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	11	66	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	11	81	61	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	11	91	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	11	97	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG

TABLE 2B
McGUIRE UNIT 2 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
	11	98	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	12	59	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	12	77	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	20	34	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	20	52	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	24	95	61	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	32	95	61	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	9	38	62	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	27	57	62	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	41	78	62	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	5	63	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	5	65	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	5	89	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	89	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	23	63	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	23	79	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	25	62	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	25	79	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	26	60	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	31	84	61	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	33	80	61	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	41	83	61	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	2	72	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	3	62	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	3	93	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	28	97	59	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	9	53	56	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	5	103	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	14	72	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2B
McGUIRE UNIT 2 S/G "B"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
16	52	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	62	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	69	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	72	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	58	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	65	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	66	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	69	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	79	60	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
22	82	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	83	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	70	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	73	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	58	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	70	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	76	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
25	58	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
25	74	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
26	88	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	61	60	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
31	83	60	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
11	76	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	76	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	81	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	65	58	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
13	77	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	57	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
47	74	58	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
2	104	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2B
McGUIRE UNIT 2 S/G "B"

	ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
PLUGGED	2	114	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	50	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	9	90	59	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	13	74	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	17	99	59	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	20	94	59	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	41	50	59	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	21	53	55	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	2	89	57	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	2	91	57	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	3	50	57	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	3	78	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	4	52	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	12	54	57	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	4	50	58	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	13	50	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	17	84	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	21	69	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	27	93	58	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	31	64	56	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	13	76	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	18	38	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	18	96	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	21	68	57	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	4	110	55	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	6	106	55	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	44	77	55	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	9	105	58	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	4	68	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2B
McGUIRE UNIT 2 S/G "B"

RQW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
4	69	56	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
6	101	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	49	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	88	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	92	56	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
12	93	56	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
26	75	58	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
26	82	58	0.01	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
2	77	55	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
2	78	55	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
2	100	55	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
2	103	55	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
30	52	55	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	92	53	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
48	80	54	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
5	61	54	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	81	54	0.02	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
3	52	55	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	46	55	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
31	61	52	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
47	69	49	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
4	70				TTS-HL	[e]	10/90	2.1	4.2	5.2	
5	62				TTS-HL	[e]	10/90	1.1	3.2	4.2	
6	93				TTS-HL	[e]	10/90	1.1	3.2	4.2	
13	34				TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	70				TTS-HL	[e]	10/90	1.1	3.2	4.2	
17	93				TTS-HL	[e]	10/90	2.1	4.2	5.2	
45	64				TTS-HL	[e]	10/90	1.1	3.2	4.2	

TABLE 2C
McGUIRE UNIT 2 S/G "C"

			TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (8/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
ROW	COL	KSI										
PLUGGED	2	52	65.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	19	50	65.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	8	90	64.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	24	19	64.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	52	65.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	58	65.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	7	66	65.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	16	58	65.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	3	50	64.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	4	73	64.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	6	65	64.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	8	52	64.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	9	44	64.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	10	81	64.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	24	46	64.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	12	46	62.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	15	29	63.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	16	29	63.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
PLUGGED	18	24	63.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	4	57	61.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	5	46	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	5	55	61.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	5	60	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	5	62	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	5	72	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	6	76	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG

TABLE 2C
McGUIRE UNIT 2 S/G "C"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		KSJ		EFPY				(9/93)	(3/96)	(7/97)	
6	80	61.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
6	83	62.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	65	62.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	65	62.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	74	63.0	0.02	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
17	34	63.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	55	61.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	60	61.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	89	61.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	54	61.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	37	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	76	59.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
18	51	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	56	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	31	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	47	59.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
2	50	56.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	73	60.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	86	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	97	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
21	39	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
21	52	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	58	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
35	43	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	23	59.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
11	51	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2C
McGUIRE UNIT 2 S/G "C"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		ksi		EFPY				(9/93)	(3/96)	(7/97)	
14	56	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	58	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	65	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
15	33	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	55	59.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
22	37	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	35	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	31	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
29	96	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
5	64	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	45	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
11	47	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	48	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	15	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	6	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	17	58.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
14	63	58.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
33	72	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	29	56.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	83	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	39	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
11	52	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	54	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	11	57.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
18	33	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	66	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2C
McGUIRE UNIT 2 S/G "C"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
23	49	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
11	17	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	15	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	46	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	14	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	24	55.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
19	49	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	14	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	14	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
35	70	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
39	22	58.0	0.02	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
2	54	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	56	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	69	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	53	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	64	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	53	54.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	42	58.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	17	58.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	65	55.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
8	43	55.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	15	55.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	40	55.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	42	55.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	42	53.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	62	55.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2C
McGUIRE UNIT 2 S/G "C"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		ksi		EFPY				(9/93)	(3/96)	(7/97)	
28	57	53.0	0.03	[a]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	40	54.0	0.02	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
19	58	54.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	52	54.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	32	51.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	67	55.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	52	55.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	58	55.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
15	69	55.0	0.01	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
5	44	52.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
17	83	52.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
5	41	51.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
2	70				TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	58				TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	74				TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	39				TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	47				TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	50				TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	58				TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	93				TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	36				TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED 14	64				TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	77				TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	31				TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	36				TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	52				TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2C
McGUIRE UNIT 2 S/G "C"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		ksi		EFPY				(9/93)	(3/96)	(7/97)	
18	58				TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	71				TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	52				TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	26				TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	22				TTS-HL	[e]	10/90	2.1	4.2	5.2	
25	27				TTS-HL	[e]	1/92	1.1	3.2	4.2	
28	23				TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

			TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED			INSTALL	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
	ROW	COL	KSI		EFPY	LOC.	LENGTH	DATE	(9/93)	(3/96)	(7/97)	(3/96)
PLUGGED	25	20	72.5	0.051	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	27	59	72.5	0.051	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	29	71	72.5	0.051	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	41	35	65.0	0.05	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	10	111	65.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	20	71	65.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	48	86	64.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	12	80	62.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	12	97	62.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	20	105	63.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
PLUGGED	15	3	61.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	21	59	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	22	66	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
	33	85	61.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	PLUG
PLUGGED	16	56	64.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	27	62.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	47	56	57.0	0.05	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	5	99	61.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	16	6	61.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	7	58	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	8	111	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	9	62	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	13	91	59.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	14	100	59.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	15	92	59.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
PLUGGED	16	4	59.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
21	60	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	61	59.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	75	56.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
15	5	60.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
3	99	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	39	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	64	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
4	81	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
4	113	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
6	38	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	82	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	72	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
15	6	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
17	99	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
20	109	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
23	100	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	69	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	103	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	88	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
28	103	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
29	91	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
29	93	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
29	94	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
29	97	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
36	88	58.0	0.04	[d]	TTS-F/L	[e]	10/90	2.1	4.2	5.2	
37	93	58.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

ROW	COL	TUBE YIELD STRENGTH KSI	CARBON CONTENT	TUBE SEMI-LOG PREDICTED EFPY	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY (9/93)	SLEEVE EFPY (3/96)	SLEEVE EFPY (7/97)	RECOMMEND PLUGGING (3/96)
44	85	58.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
5	83	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
7	93	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
11	101	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	51	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	59	59.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
37	52	59.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
8	107	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
9	104	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
10	61	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
17	61	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
18	59	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
20	101	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	97	57.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
5	43	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
6	49	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	82	58.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
15	48	58.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
17	54	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
28	99	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
30	94	58.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
32	76	58.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
16	100	54.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
3	111	56.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
11	95	56.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	89	56.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

	ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
			KSI		EFPY				(9/93)	(3/96)	(7/97)	(3/96)
PLUGGED	16	63	56.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	16	71	56.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	28	86	56.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	14	49	57.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	15	58	57.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	8	99	53.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	8	106	53.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	10	69	53.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	10	81	53.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	56	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	62	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	64	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	71	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	7	87	55.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	10	74	55.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	39	88	55.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	3	101	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	4	38	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	5	39	56.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	15	112	56.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	12	60	52.0	0.05	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	1	23	54.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	3	80	54.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	31	54.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	14	30	58.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	23	82	58.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

	ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
			KSI		EFPY				(9/93)	(3/96)	(7/97)	(3/96)
PLUGGED	30	96	55.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	3	28	53.0	0.04	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	43	93	53.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	13	111	54.0	0.02	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	16	33	54.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	41	70	55.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
PLUGGED	14	89	52.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	21	102	52.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	20	110	50.0	0.04	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	9	96	50.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	14	83	50.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	16	82	50.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	20	57	50.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	22	78	50.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	30	102	50.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	35	95	50.0	0.03	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	36	57	50.0	0.03	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	16	5	51.0	0.02	[d]	TTS-HL	[e]	1/92	1.1	3.2	4.2	
	12	62	51.0	0.01	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	30	97	49.0	0.02	[d]	TTS-HL	[e]	10/90	2.1	4.2	5.2	
	5	37				TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	36				TTS-HL	[e]	1/92	1.1	3.2	4.2	
	6	69				TTS-HL	[e]	10/90	2.1	4.2	5.2	
	6	72				TTS-HL	[e]	1/92	1.1	3.2	4.2	
	8	63				TTS-HL	[e]	10/90	2.1	4.2	5.2	
	8	75				TTS-HL	[e]	10/90	2.1	4.2	5.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		ksi		EFPY				(9/93)	(3/96)	(7/97)	(3/96)
12	74				TTS-HL	[e]	1/92	1.1	3.2	4.2	
12	83				TTS-HL	[e]	10/90	2.1	4.2	5.2	
12	94				TTS-HL	[e]	10/90	2.1	4.2	5.2	
13	110				TTS-HL	[e]	1/92	1.1	3.2	4.2	
14	55				TTS-HL	[e]	10/90	2.1	4.2	5.2	
14	79				TTS-HL	[e]	1/92	1.1	3.2	4.2	
14	85				TTS-HL	[e]	1/92	1.1	3.2	4.2	
15	4				TTS-HL	[e]	1/92	1.1	3.2	4.2	
17	56				TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	44				TTS-HL	[e]	10/90	2.1	4.2	5.2	
19	106				TTS-HL	[e]	10/90	2.1	4.2	5.2	
21	107				TTS-HL	[e]	10/90	2.1	4.2	5.2	
22	107				TTS-HL	[e]	10/90	2.1	4.2	5.2	
24	70				TTS-HL	[e]	1/92	1.1	3.2	4.2	
25	87				TTS-HL	[e]	10/90	2.1	4.2	5.2	
25	90				TTS-HL	[e]	10/90	2.1	4.2	5.2	
25	93				TTS-HL	[e]	1/92	1.1	3.2	4.2	
26	63				TTS-HL	[e]	10/90	2.1	4.2	5.2	
26	99				TTS-HL	[e]	1/92	1.1	3.2	4.2	
26	102				TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	90				TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	93				TTS-HL	[e]	10/90	2.1	4.2	5.2	
27	97				TTS-HL	[e]	10/90	2.1	4.2	5.2	
33	101				TTS-HL	[e]	10/90	2.1	4.2	5.2	
43	47				TTS-HL	[e]	1/92	1.1	3.2	4.2	
44	83				TTS-HL	[e]	1/92	1.1	3.2	4.2	

TABLE 2D
McGUIRE UNIT 2 S/G "D"

ROW	COL	TUBE YIELD STRENGTH	CARBON CONTENT	TUBE SEMI-LOG PREDICTED	LOC.	LENGTH	INSTALL DATE	SLEEVE EFPY	SLEEVE EFPY	SLEEVE EFPY	RECOMMEND PLUGGING
		KSI		EFPY				(9/93)	(3/96)	(7/97)	
47	70				TTS-HL	[e]	10/90	2.1	4.2	5.2	