STATE El	NERGY INSI	PECTION S	SERVICES,	, INC.	ADDRESS LOCATION CUSTOMEI	_				
Fax					WORK OR				Date:	4/20/2015
		INS	PECTION	N REPOR	T OF USE	D DRILL	PIPE		•	
231	_LENGTHS	3 1/2"	O.D.	GRADE	G-105	WEIGHT	15.50#	LB/FT		
.449"	_WALL	CONN	NC38	RANGE	Ш	_ c	OATED PIPE	NO	•	
Four Ultras	NSPECTION: onic Readings al II and Clean	Mid Tube a	nd/or At Poin				_			
NOTE: THIS	S PIPE WAS INS	SPECTED TO:	: <u>DS-1 CAT</u>		FICATION r Specificat	ions				
231	LENGTHS PF	REMIUM CLAS	SS PIPE IDEN		MARY OF F		APER AND TW	O WHITE PAI	NT BANDS	
0	LENGTHS PR	REMIUM CLAS	SS PIPE IDEN		IE PUNCH MA	RK ON PIN TA	APER AND TW			
					JOINT CON	NECTION				
SHOULDE	ER DAMAGE BOX	THREAD PIN	DAMAGE BOX	BELOW PIN	MIN REQ BOX	CRA PIN	CKED BOX	SWELLED BOX		
0	LENGTHS CL	ASS 2 PIPE I	DENTIFIED B	Y TWO PUNCI	H MARKS ON		REASON	FOR DOW	I N GRADING	
	PIN TAPER A	ND ONE YEL	LOW PAINT B	BAND		WEAR	MASH	PITTING	SLIP AREA	UNDERSIZED
			TOOL J	OINT CON	NECTION	<u>I</u>				
SHOULDE PIN	ER DAMAGE BOX	THREAD PIN	DAMAGE BOX	BELOW PIN	MIN REQ BOX	CRA PIN	CKED BOX	SWELLED BOX		
0	LENGTHS CL	ASS 3 PIPE I	DENTIFIED B	Y THREE PUN	ICH MARKS		REASON	FOR DOW	N GRADING	
	ON PIN TAPE	R AND ONE	ORANGE PAII	NT BAND		WEAR	MASH	PITTING	SLIP AREA	UNDERSIZED
				OINT CON		•				
SHOULDE PIN	ER DAMAGE BOX	THREAD PIN	DAMAGE BOX	BELOW PIN	MIN REQ BOX	CRA PIN	CKED BOX	SWELLED BOX		
	Вох		Вох		Вох		BOX	Вох		
0	LENGTHS CL			BY FOUR PUN	CH MARKS O	N PIN	CRACK	OD CRACK	WASHOUT	
231	Total lengths	\$	Comments:	Identified By	/ Two White	Paint Bands	in Slip Area.			
	Inspected								REF	
									PIN 0	BOX 0
			Inspector:							IAMETER
			-	•					PIN	BOX
									0	0

STATE ENERGY INSPECTION SERVICES, INC. Drill Pipe Worksheet

Customer: Page 2 of 35

 W.O. #:
 P.O. #:
 Date:
 4/20/2015

 Pipe O.D.
 3 1/2"
 Grade G-105
 Wt/Lbs/ft.
 15.50#
 Wall Thickness .449"
 Connections NC38

COMPLETE DRILLPIPE			PIPE	BODY		TOOL JOINT																				
							вох												PIN							
ELECTRO-LOG CLASSIFICATION		ULTRAS WALL RE				Slip				CONT.		CONT.												Ф	_	
JT. _ . .	LOW	1 2	3	4	O.D.	Area	Plastic	0.0	TONG	BORE	SHOUD	BORE	SEAL	BEVEL	HARD	00110	TONG		SEAL	BEVEL	NECK	HARD	00110	irad	Bent	Remarks
	4 WALL .449	1 1	.449	.461	Wear Mas	h Dam.	Coating 0	O.D. 4 11/16	SPACE	DIA.	WIDTH	LGTH	WIDTH OK	DIA.	BAND NONE	COND	O.D. SPACE 4 11/16 8 9/16	I.D. 2 1/4	WIDTH	DIA.	LGTH OK	BAND NONE	COND	5 G3		Remarks
235 X 236 X	.428	.473 .462 .428 .446	.430	.433			0	4 11/16	11 1/2 12 3/8	OK OK	OK	OK OK	OK	OK OK	NONE	OK OK	4 11/16 8 9/16	2 1/4	OK	OK OK	OK	NONE	OK OK	G3		
238 X	.449	.449 .455	.462	.450			0	4 11/16	11 9/16	OK	OK	OK	ОК	OK	NONE	OK	4 11/16 9 13/16	2 1/4	OK	OK	OK	NONE	ОК	G3		
240 X	.450	.465 .452	.450	.466			4	4 3/4	12 1/2	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 10	2 1/4	OK	OK	OK	NONE	OK	G3		
242 X	.427	.450 .472	.456	.427			3	4 3/4	12 7/8	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 10 1/4	2 1/4	OK	OK	OK	NONE	OK	G3		
244 X	.450	.467 .450	.461	.458			3	4 3/4	12 3/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 3/4	2 1/4	OK	OK	OK	NONE	ОК	G3		
245 X	.430	.451 .463	.430	.462			0	4 3/4	12 3/8	ОК	ОК	OK	OK	OK	NONE	ОК	4 11/16 9 5/8	2 1/4	ОК	OK	OK	NONE	ОК	G3		
246 X	.453	.468 .466	.453	.459			3	4 3/4	13	OK	ОК	OK	OK	OK	NONE	ОК	4 3/4 10 1/4	2 1/4	ОК	OK	OK	NONE	OK	G3		
247 X	.442	.449 .453	.442	.459			0	4 3/4	12 1/2	ОК	ОК	OK	OK	OK	NONE	OK	4 3/4 9 9/16	2 1/4	ОК	OK	ОК	NONE	OK	G3		
248 X	.433	.444 .473	.441	.433			4	4 11/16	13 1/4	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 9 1/4	2 1/4	ОК	OK	ОК	NONE	OK	G3		
250 X	.416	.436 .416	.445	.423			3	4 3/4	12 1/2	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 9 7/8	2 1/4	ОК	OK	ОК	NONE	OK	G3		
251 X	.417	.417 .423	.430	.422			4	4 11/16	11 5/8	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 9 7/8	2 1/4	ОК	OK	ОК	NONE	OK	G3		
252 X	.455	.458 .455	.461	.466			4	4 3/4	13	OK	OK	OK	OK	OK	NONE	OK	4 3/4 10 1/16	2 1/4	OK	OK	OK	NONE	OK	G3		
254 X	.444	.453 .444	.463	.452			3	4 11/16	12 1/8	OK	ОК	OK	OK	OK	NONE	OK	4 3/4 9 13/16	2 1/4	OK	OK	OK	NONE	OK	G3		
255 X	.431	.454 .436	.431	.437			0	4 3/4	12 1/4	OK	OK	OK	OK	OK	NONE	OK	4 3/4 8 5/8	2 1/4	OK	OK	OK	NONE	OK	G3		
257 X	.422	.465 .422	.433	.453			3	4 11/16	12 7/16	OK	OK	OK	OK	OK	NONE	OK	4 11/16 10 1/8	2 1/4	OK	OK	OK	NONE	OK	G3		
258 X	.461	.479 .461	.492	.484			2	4 3/4	12 7/8	OK	OK	OK	OK	OK	NONE	OK	4 3/4 10 1/4	2 1/4	OK	OK	OK	NONE	OK	G3		
259 X	.460	.460 .477	.464	.461			3	4 11/16	11 5/8	OK	OK	OK	OK	OK	NONE	OK	4 3/4 9 7/16	2 1/4	OK	OK	OK	NONE	OK	G3		
260 X	.484	.494 .484	.493	.495			2	4 11/16	12 7/8	OK	OK	OK	OK	OK	NONE	OK	4 3/4 10 5/16	2 1/4	OK	OK	OK	NONE	OK	G3		
262 X	.435	.435 .469	.462	.440			3	4 11/16	11 3/4	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 5/8	2 1/4	OK	OK	OK	NONE	OK	G3		
263 X	.447	.462 .466	.448	.447			2	4 3/4	13	OK	OK	OK	OK	OK	NONE	OK	4 3/4 9 15/16	2 1/4	OK	OK	OK	NONE	OK	G3		
264 X	.462	.479 .465	.477	.462			3	4 11/16	12 15/16	OK	OK	OK	OK	OK	NONE	OK	4 3/4 10 3/16	2 1/4	OK	OK	OK	NONE	OK	G3		
265 X	.447	.447 .466	.488	.464			3	4 11/16	12 3/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9	2 1/4	OK	OK	OK	NONE	OK	G3		
266 X	.449	.453 .449	.469	.455			0	4 11/16	12 3/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 1/4	2 1/4	OK	OK	OK	NONE	OK	G3		
267 X	.428	.444 .453	.438	.428			0	4 3/4	11 3/4	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 3/4	2 1/4	OK	OK	OK	NONE	OK	G3		
268 X	.444	.461 .444	.453	.465			2	4 11/16	12 1/2	OK	OK	OK	OK	OK	NONE	OK	4 11/16 10 3/16			OK	OK	NONE	OK	G3		
270 X	.451	.454 .460	.451	.457			0	4 11/16	13 1/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 3/4	2 1/4	OK	OK	OK	NONE	OK	G3		
273 X	.409	.417 .421	.437	.409			4	4 3/4	12 1/4	OK	OK	OK	OK	OK	NONE	OK	4 11/16 10 5/16		OK	OK	OK	NONE	OK	G3		
275 X	.436	.462 .477	.436	.466			0	4 3/4	12 3/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 3/4	2 1/4	OK	OK	OK	NONE	OK	G3		
276 X	.455	.459 .455	.468	.461			3	4 3/4	13	OK	OK	OK	OK	OK	NONE	OK	4 11/16 10 1/8	2 1/4	OK	OK	OK	NONE	OK	G3		
277 X	.449	.449 .460	.450	.453			0	4 11/16	12 1/2	OK	OK	OK	OK	OK	NONE	OK	4 11/16 10 1/4	2 1/4	OK	OK	OK	NONE	OK	G3		
278 X	.461	.474 .466	.461	.469		+	4	4 11/16	10 7/8	OK	OK	OK	OK	OK OK	NONE	OK	4 11/16 9 5/8	2 1/4	OK	OK	OK	NONE	OK	G3 G3	1	
281 X 282 X	.453 .456	.453 .473 .460 .456	.455 .463	.472		-	3	4 11/16	12 1/2 11 3/4	OK OK	OK OK	OK OK	OK OK	OK	NONE NONE	OK OK	4 11/16 9 9/16 4 3/4 10 1/8	2 1/4	OK OK	OK OK	OK OK	NONE	OK OK	G3		
283 X	.431	.438 .450	.431	.435		+	0	4 11/16	11 7/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 3/8	2 1/4	OK	OK	OK	NONE	OK	G3	+	
284 X	.433	.436 .430	.433	.448		1	3	4 11/16	12 1/4	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 5/8	2 1/4	OK	OK	OK	NONE	OK	G3		
286 X	.422	.466 .441	.422	.449		1	0	4 11/16	11 3/4	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 5/8	2 1/4	OK	OK	OK	NONE	OK	G3		
287 X	.440	.440 .447	.461	.476		+	3	4 11/16	12 1/2	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 1/8	2 1/4	OK	OK	OK	NONE	OK	G3		
288 X	.457	.457 .462	.459	.463		1	3	4 3/4	12 3/8	OK	OK	OK	ОК	OK	NONE	OK	4 11/16 9 3/16	2 3/16		OK	OK	NONE	ОК	G3	\dashv	
289 X	.468	.470 .477	.468	.475		1	3	4 3/4	11 7/8	OK	OK	OK	ОК	OK	NONE	OK	4 11/16 9 5/16	2 1/4	OK	OK	OK	NONE	ОК	G3		
290 X	.442	.455 .447	.442	.461			4	4 11/16	12 1/2	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 9 1/16	2 1/4	OK	OK	OK	NONE	OK	G3		
291 X	.427	.450 .427					3	4 3/4		OK	OK	OK	OK				4 11/16 10	2 1/4		OK		NONE				
292 X	.455	.479 .455	.460	.470			2	4 11/16		OK	ОК	OK	ОК	OK	NONE	OK	4 3/4 9 3/8	2 1/4		OK	OK	NONE				
293 X	.460	.460 .480	.462	.476			3	4 3/4	12	OK	ОК	OK	ОК	OK	NONE	OK	4 3/4 10 1/8	2 1/4		OK	OK	NONE				
294 X	.452	.466 .455	.477	.452			2		13	OK	ок	OK	OK	OK	NONE	OK	4 3/4 9 3/8	2 1/4		OK	OK	NONE				
296 X	.426	.460 .430	.426	.455			0		12 7/8	OK	OK	OK	OK	OK	NONE	OK	4 11/16 9 1/2	2 1/4		OK	OK	NONE		G3		
297 X	.448	.462 .448	.451	.463			3	4 3/4	13 1/8	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 10	2 1/4		OK	OK	NONE	OK	G3		
298 X	.442	.479 .455	.442	.448			3	4 3/4	13	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 9 13/16	2 1/4	OK	OK	OK	NONE	OK	G3		
299 X	.455	.464 .460	.492	.455			3	4 3/4	12 9/16	OK	ОК	OK	OK	OK	NONE	OK	4 3/4 9 3/8	2 1/4	OK	OK	OK	NONE	OK	G3		<u>-</u> -
300 X	.440	.440 .450	.453	.463			4	4 11/16	12 3/4	OK	ОК	OK	OK	OK	NONE	OK	4 11/16 10 1/4	2 1/4	OK	OK	OK	NONE	OK	G3		

Pipe O.D. Wt/Lbs/ft. Wall Thickness 3 1/2' Grade G-105 15.50# .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** BOX PIN Page 3 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT CLASSIFICATION WALL READINGS SHOUD BEVEL HARD HARD JT. TONG BORE BORE SEAL TONG SEAL BEVEL NECK O.D. Area Plastic Gra Ber 3 4 2 3 Remarks O.D. SPACE DIA WIDTH LGTH WIDTH DIA. BAND COND O.D SPACE I.D. WIDTH DIA. LGTH BAND COND .438 .455 .472 439 4 11/16 OK OK OK OK OK NONE OK 4 11/16 9 1/2 1/4 OK OK NONE OK G3 11 1/4 302 .436 .446 .440 .441 4 11/16 12 5/8 OK OK OK OK NONE OK 4 11/16 9 3/4 1/4 OK OK OK NONE OK G3 .436 OK 303 .450 3/4 OK OK OK OK NONE OK G3 .450 .467 .466 461 OK OK OK NONE OK 4 3/4 9 3/8 3/16 OK 304 Х 458 .465 .470 458 462 2 4 3/4 12 7/8 OK OK OK OK OK NONE OK 4 11/16 10 1/8 2 1/4 OK OK OK NONE ΟK G3 305 450 450 .468 .463 .457 0 4 11/16 11 3/8 OK OK OK OK OK NONE OK 4 3/4 9 13/16 3/16 OK OK OK NONE OK G3 306 .426 .440 .433 .426 448 ٥ 4 3/4 12 1/4 OK OK OK OK NONE OK 4 11/16 10 1/4 1/4 OK OK OK NONE OK OK 307 460 .470 .460 .462 480 3 4 11/16 11 7/8 OK OK OK OK OK NONE OK 4 11/16 9 1/8 3/16 OK OK OK NONE OK G3 308 Х .429 .438 .429 431 3 4 11/16 OK OK NONE 4 11/16 2 1/4 OK OK OK NONE G3 .468 10 3/8 OK OK OK OK OK 310 Х .446 .453 .466 .454 .446 3 4 11/16 12 1/2 OK OK OK OK OK NONE OK 4 11/16 9 1/2 1/4 OK OK OK NONE OK G3 4 3/4 NONE 9 3/8 3/16 NONE 311 430 .430 .450 .461 455 12 3/8 OK OK OK OK OK OK 4 11/16 OK OK OK OK G3 312 Χ 440 .440 .460 .455 .442 4 11/16 12 3/8 OK OK OK OK OK NONE OK 4 11/16 10 1/16 1/4 OK OK OK NONE OK NONE 9 3/8 1/4 NONE 313 Х 449 .463 .449 3 4 11/16 12 3/8 OK OK OK OK 4 3/4 OK OK OK OK G3 .472 460 OK OK 314 Х .461 .471 2 4 3/4 NONE 4 11/16 10 5/16 2 1/4 OK NONE 469 .461 466 12 1*/2 OK OK OK OK OK OK OK OK OK G3 3 NONE 9 3/16 1/4 OK NONE 315 .448 .448 .466 .462 .470 4 11/16 11 5/8 OK OK OK OK OK OK 4 11/16 OK OK OK G3 317 450 .455 .470 450 461 4 3/4 11 1/2 OK OK OK OK NONE OK 4 11/16 9 3/8 1/4 OK OK OK NONE OK 318 Χ 452 .461 .463 .455 452 4 11/16 12 1/2 OK OK OK OK OK NONE OK 4 3/4 10 1/4 1/4 OK OK OK NONE OK G3 320 Х 458 .458 .473 2 4 11/16 OK NONE OK 4 3/4 10 5/16 2 3/16 OK OK NONE OK G3 .460 .461 12 1/4 OK OK OK OK OK 322 Χ 446 .455 .447 .467 .446 3 4 11/16 12 3/8 OK OK OK OK OK NONE OK 4 3/4 10 1/8 3/16 OK OK OK NONE OK G3 324 437 OK NONE 4 11/16 10 1/8 1/4 OK OK NONE .437 .444 .459 438 4 11/16 13 1/8 OK OK OK OK OK OK OK G3 4 3/4 10 1/8 2 325 .449 .466 .478 .483 .449 3 12 3/8 OK OK OK OK OK NONE OK 4 11/16 3/16 OK OK OK NONE OK G3 2 1/4 326 455 455 463 473 469 4 3/4 12 3/8 OK OK OK OK OK NONE OK 4 11/16 10 3/16 2 OK OK OK NONE OΚ G3 .435 .476 .488 .464 435 4 3/4 OK OK OK OK NONE OK 4 11/16 10 3/8 1/4 OK OK OK NONE OK 2 13 OK G3 328 .440 .467 .440 4 3/4 12 7/8 OK OK OK NONE OK 4 3/4 10 1/8 1/4 OK OK OK NONE OK G3 .476 .462 OK 329 .463 2 4 3/4 OK OK NONE 8 5/8 1/4 OK OK NONE G3 .472 .464 .479 463 11 5/8 OK OK OK OK 4 11/16 OK OK 1/4 330 X .454 .454 .467 .472 457 2 4 11/16 10 11/16 OK OK OK OK NONE OK 4 11/16 OK OK OK NONE ΟK G3 OK 332 435 459 .440 .435 .462 0 4 11/16 OK OK OK OK OK NONE OK 4 11/16 10 1/4 1/4 OK OK OK NONE OK G3 456 .467 .456 .460 470 4 11/16 11 13/16 OK OK OK OK OK NONE OK 4 11/16 10 3/16 2 1/4 OK OK OK NONE OK 334 .434 .458 .434 .460 .448 3 4 11/16 12 3/8 OK OK OK OK OK NONE OK 4 11/16 9 1/4 2 1/4 OK OK OK NONE OK G3 Х .444 3 9 1/2 1/4 OK 336 .462 .444 .450 .453 4 3/4 13 OK OK OK OK NONE OK 4 11/16 OK OK NONE OK G3 OK 337 Х 3 10 1/8 2 1/4 OK OK NONE 440 467 470 440 481 4 11/16 12 7/16 OK OK ΟK ΟK OK NONE OK 4 11/16 OK OK G3 338 455 .457 .472 .466 .455 0 4 3/4 12 9/16 OK OK OK OK OK NONE OK 4 11/16 9 7/8 1/4 OK OK OK NONE OK G3 4 11/16 12 3/8 OK NONE OK 4 5/8 10 1/4 1/4 OK OK OK NONE OK .466 .473 .451 453 OK OK 343 4 11/16 4 3/4 9 1/16 2 1/4 OK NONE .457 .458 .468 .480 .457 3 13 1/16 OK OK OK OK OK NONE OK OK OK OK G3 350 Χ 460 4 3/4 NONE 4 13/16 10 1/16 2 1/4 OK NONE 460 .466 .495 482 12 7/8 OK OK OK OK OK OK OK OK OK G3 358 NONE 10 1/4 1/4 OK NONE .461 .483 .470 .461 465 3 4 3/4 12 7/8 OK OK OK OK OK OK 4 3/4 OK OK OK G3 361 459 .466 .459 .470 481 4 3/4 OK OK OK OK NONE OK 4 3/4 10 1/8 1/4 OK OK OK NONE OK Χ 12 1/4 4 3/4 362 466 .466 .481 .470 .482 4 11/16 OK OK OK OK OK NONE OK 9 11/16 1/4 OK OK OK NONE OK G3 363 Х 450 .481 .453 .463 .450 0 4 11/16 11 5/8 OK OK OK OK OK NONE OK 4 11/16 8 5/16 1/4 OK OK OK NONE OK G3 365 Χ 455 .468 .455 .472 .474 3 4 11/16 11 13/16 OK OK OK OK NONE OK 4 3/4 9 1/8 1/4 OK OK OK NONE OK G3 OK NONE 4 3/4 9 9/16 3/16 OK NONE 380 450 .450 .462 .477 4 3/4 12 1/2 OK OK OK OK OK OK OK OK OK G3 10 1/8 381 Х 444 .481 .444 .450 466 3 4 13/16 12 7/8 OK OK OK OK OK NONE OK 4 13/16 1/4 OK OK OK NONE OK G3 383 Χ .452 4 11/16 1/4 NONE 451 .470 .451 473 12 3/8 OK OK OK OK OK NONE OK 4 11/16 10 OK OK OK OK G3 386 Х 446 .450 .446 .480 .484 3 4 3/4 12 3/4 OK OK OK OK OK NONE OK 4 13/16 10 1/16 2 1/4 OK OK OK NONE OK G3 10 3/16 2 1/4 405 .440 .440 .476 .447 450 3 4 3/4 13 OK OK OK OK OK NONE OK 4 3/4 OK OK OK NONE OK G3 406 451 461 .452 .472 451 4 11/16 12 3/8 OK OK OK OK OK NONE OK 4 3/4 9 11/16 1/4 OK OK OK NONE OK G3 408 Х 455 3 12 1/2 OK NONE OK 4 11/16 1/4 OK NONE OK G3 .482 .455 .461 463 4 11/16 OK OK OK OK OK OK 409 Х .459 .470 .459 .464 .460 4 3/4 10 1/8 OK OK OK OK OK **FLUSH** OK 4 3/4 10 1/4 2 1/4 OK OK OK NONE OK G3 .436 .445 .436 .483 459 4 3/4 12 OK OK OK OK OK NONE OK 4 13/16 10 1/4 OK OK OK NONE OK 413 .438 .460 .472 .470 .438 2 4 15/16 7 13/16 OK OK OK OK OK OK 4 15/16 1/4 OK OK OK NONE OK G3 OK 414 Х .440 .441 .466 .456 .440 2 4 13/16 OK OK OK OK NONE OK 4 13/16 10 1/8 1/4 OK OK OK NONE OK G3 13 OK 416 Х 3 10 1/4 2 1/4 OK NONE 453 462 4 3/4 OK OK OK NONE OK 4 3/4 OK OK OK G3 480 453 456 13 OK OK 440 .440 3 12 3/4 OK OK OK NONE OK 4 13/16 8 7/8 1/4 OK OK OK NONE OK .476 .469 447 4 7/8 OK OK G3 449 .449 .455 488 482 4 11/16 11 3/4 OK OK OK OK OK NONE OK 4 3/4 9 3/4 1/4 OK OK OK NONE OK 433 .477 .440 .440 .464 .483 3 4 11/16 OK OK OK OK OK NONE OK 4 11/16 9 7/8 2 1/4 OK OK OK NONE OK G3 12

Pipe O.D. Wt/Lbs/ft. Wall Thickness 3 1/2' Grade G-105 15.50# .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** BOX PIN Page 4 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT CLASSIFICATION WALL READINGS SHOUD BEVEL HARD HARD JT. TONG BORE BORE SEAL TONG SEAL BEVEL NECK O.D. Area Plastic Gra Ber 3 4 2 3 Remarks O.D. SPACE DIA WIDTH LGTH WIDTH DIA. BAND COND O.D SPACE I.D. WIDTH DIA. LGTH BAND COND .461 .455 .470 4 3/4 13 OK OK OK OK OK NONE OK 4 3/4 10 1/16 2 1/4 OK OK NONE OK G3 436 .450 .464 .450 4 3/4 13 1/16 OK OK OK OK NONE OK 4 3/4 9 1/8 1/4 OK OK OK NONE OK G3 .462 .459 OK 437 .433 12 1/2 OK OK 10 1/8 1/4 OK OK OK NONE OK G3 .470 .433 .453 467 4 11/16 OK OK OK NONE OK 4 11/16 4 438 Х 458 .483 .464 .468 458 5 9 3/16 OK OK OK OK OK OK OK 4 7/8 10 1/8 2 1/4 OK OK OK NONE ΟK G3 439 436 .470 .457 .436 .443 4 3/4 13 OK OK OK OK OK NONE OK 4 3/4 10 1/8 1/4 OK OK OK NONE OK G3 442 .470 .470 .497 .481 493 4 3/4 13 OK OK OK OK NONE OK 4 11/16 10 1/8 1/4 OK OK OK NONE OK OK 443 .457 .457 .472 .487 473 3 4 3/4 12 7/8 OK OK OK OK OK NONE OK 4 3/4 10 1/4 1/4 OK OK OK NONE OK G3 444 Х .413 .441 .444 .448 3 4 13/16 10 13/16 OK OK NONE 4 13/16 8 1/4 9/16 OK OK OK NONE G3 .413 OK OK OK OK OK 451 Х .445 .474 .452 .466 .445 3 4 3/4 12 1/16 OK OK OK OK OK NONE OK 4 11/16 10 5/16 2 1/4 OK OK OK NONE OK G3 NONE 10 1/8 1/4 NONE 453 460 .460 .465 489 4 3/4 12 5/8 OK OK OK OK OK OK 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0	LENGTHS PD	EMILIM CLAS	S PIPE IDEN	TIEIED RY ON	IE PUNCH MA	DK ON DIN T	APER AND TV	VO WHITE PA	INT RANDS	
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CHOLLD	R DAMAGE	TUDEAD	DAMACE		JOINT CON MIN REQ		CKED	CWELLED	I	
PIN	BOX	THREAD PIN	BOX	PIN	BOX	PIN	CKED BOX	SWELLED BOX		
•	. =						DEACON	EOD DOW	N ODADINO	
0	LENGTHS CL				H MARKS ON	WEAR	MASH	PITTING	N GRADING SLIP AREA	UNDERSIZED
	THE TAI LICA	TE ONE TEE	LOWITANTE	7 (14D	l	WEAR	WACTT	1111110	OLII /IIIL/I	ONDENSIZED
				DINT CON						
SHOULDE PIN	R DAMAGE	THREAD PIN	ı	BELOW PIN	MIN REQ BOX		CKED	SWELLED BOX		
PIN	BOX	PIN	BOX	PIN	BOX	PIN	BOX	BUX		
									<u> </u>	
0	LENGTHS CL				NCH MARKS	14/545			N GRADING	
	ON PIN TAPE	R AND ONE (ORANGE PAII	NI BAND	}	WEAR	MASH	PITTING	SLIP AREA	UNDERSIZED
			TOOL JO	OINT CONN	NECTION					
l	R DAMAGE		DAMAGE		MIN REQ		CKED	SWELLED		
PIN	BOX	PIN	BOX	PIN	BOX	PIN	BOX	BOX		
							<u> </u>	1	I	
0	LENGTHS CL	ASS 4 PIPE	DENTIFIED E	BY FOUR PUN	CH MARKS O	N PIN	CRACK	OD CRACK	WASHOUT	
	TAPER AND (ONE RED PAI	NT BAND							
337	Total lengths		Comments:	Identified By	One White F	Paint Bands	in Slip Area			
	Inspected								REF	ACE
	-	,							PIN	BOX
			Inoneste						0	0
			Inspector:						BEVEL D	BOX
									0	0
									SEIS Forr	n 506 Rev. 1

STATE ENERGY INSPECTION SERVICES, INC. Drill Pipe Worksheet

 Customer:
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 W.O. #:
 P.O. #:
 Date:
 12/6/2013

 W.O. #: _____
 Pipe O.D.

 3 1/2"
 Grade G-105
 Wt/Lbs/ft. 15.50#
 Wall Thickness .449"
 Connections NC38

CC	MPLETE	DRILLPIPE	· T				PIPE	BODY													TOOL	JOINT									T	
																	вох								PII	V						
		TRO-LOG				ULTRA WALL RE					Slip	İ			CONT.		CONT.													e Se	ᅟᆂ	
JT. #	P 2	1 1		LOW WALL	1	2	3	4	O.D. Wear	Mash	Area Dam.	Plastic Coating	O.D.	TONG SPACE	BORE DIA.	SHOUD	BORE LGTH	SEAL WIDTH	BEVEL DIA.	HARD BAND	COND	O.D.	TONG SPACE	I.D.	SEAL WIDTH	BEVEL DIA.	NECK LGTH	HARD BAND	COND	Grac	Ben	Remarks
1	Х			.417	.417	.430	.424	.436	wear	WIGSTI	Dam.	2	4 11/16	8 1/4	OK.	OK	OK	ОК	OK.	NONE	ОК	4 3/4	7 7/8	2 9/16	OK	OK.	OK	NONE	OK	G3	_	
2	х			.455	.455	.460	.463	.472				2	4 13/16	9 1/16	ОК	OK	OK	ОК	ОК	NONE	ОК	4 13/16	6 1/2	2 9/16	ОК	OK	ОК	NONE		G3		
3	Х			.430	.483	.430	.440	.450				3	4 7/8	8 3/4	OK	OK	OK	OK	OK	NONE	ОК	4 7/8	7 1/4	2 9/16	ОК	OK	OK	NONE	OK	G3		
4	Х			.423	.451	.446	.437	.423				2	4 13/16	8 1/4	OK	OK	OK	OK	OK	NONE	ОК	4 13/16	7	2 9/16	OK	OK	OK	NONE	OK	G3		
5	Х			.410	.414	.435	.424	.410				1	4 15/16	8	OK	OK	OK	OK	OK	NONE	OK	4 15/16	6 3/4	2 1/2	OK	OK	OK	NONE	OK	G3		
6	Х			.409	.409	.420	.438	.450				1	4 13/16	8 3/4	OK	OK	OK	OK	OK	NONE	OK	4 13/16	6 3/4	2 1/2	OK	OK	OK	NONE	OK	G3		
7	Х			.434	.447	.459	.434	.444				3	4 7/8	10 1/2	OK	OK	OK	OK	OK	NONE	OK	4 7/8	6 5/8	2 7/16	OK	OK	OK	NONE		G3	_	
8	Х			.413	.413	.431	.440	.418				3	4 3/4	6 3/8	OK	OK	OK	OK	OK	NONE	OK	4 3/4	6 15/16	2 7/16	OK	OK	OK	NONE	OK	G3	_	
9	X			.443	.443	.472	.455	.447				2	4 7/8	8 7/8	OK	OK	OK	OK	OK	NONE	OK	4 15/16	7 3/8	2 9/16	OK	OK	OK	NONE	OK	G3		
10	X			.408	.412	.422	.414	.408				2	4 7/8	8 3/16	OK	OK	OK	OK	OK	NONE	OK	4 7/8	6 5/8	2 1/2	OK	OK	OK	NONE	OK	G3 G3		
11	X			.392	.407 .457	.430	.431	.392				4	4 3/4	10 3/8 9 3/4	OK OK	OK OK	OK OK	OK OK	OK OK	NONE	OK OK	4 3/4	6 7/8 6 9/16	2 7/16 2 9/16	OK OK	OK OK	OK OK	NONE	OK OK	G3		
13	×			.399	.414	.399	.426	.450				2	4 13/16	10 5/8	OK	OK	OK	OK	OK	NONE	OK	4 13/16	7 1/2	2 9/16	OK	OK	OK	NONE	OK	G3	-	
14	X			.406	.406	.427	.447	.434				2	4 13/16	9 1/2	OK	OK	OK	OK	OK	NONE	OK	4 3/4	6 1/2	2 7/16	OK	ОК	OK	NONE	1	G3		
15	Х			.449	.462	.481	.449	.457				2	4 7/8	10 3/8	OK	OK	ОК	OK	OK	NONE	OK	4 15/16	6 1/2	2 7/16	OK	ОК	OK	NONE	ОК	G3		
16	Х			.449	.471	.470	.456	.449				2	4 15/16	10 3/8	OK	OK	ОК	OK	ОК	NONE	ОК	4 15/16	6 7/8	2 7/16	OK	OK	OK	NONE	ОК	G3		
17	Х			.430	.445	.460	.449	.430				3	4 3/4	9	OK	OK	OK	OK	OK	NONE	ОК	4 13/16	7 7/8	2 5/8	ОК	OK	OK	NONE	OK	G3		
18	Х			.442	.453	.471	.468	.442				3	4 7/8	9 3/8	OK	OK	OK	ОК	OK	NONE	OK	4 15/16	6 3/4	2 7/16	ОК	OK	OK	NONE	OK	G3		
19	Х			.437	.437	.440	.450	.462				2	4 3/4	8 1/16	OK	OK	OK	OK	ок	NONE	OK	4 13/16	6 1/2	2 5/8	OK	ОК	OK	NONE	OK	G3		
20	Х			.422	.422	.460	.461	.454				1	4 7/8	9 3/4	OK	OK	OK	OK	ОК	NONE	OK	4 13/16	6 7/8	2 9/16	OK	OK	OK	NONE	OK	G3		
21	Х			.440	.440	.468	.470	.485				3	4 7/8	8 1/8	OK	OK	OK	OK	ОК	NONE	OK	4 7/8	6 1/2	2 9/16	OK	OK	OK	NONE	OK	G3		
22	Х			.426	.488	.442	.447	.426				3	4 3/4	9	OK	OK	OK	OK	OK	NONE	OK	4 3/4	6 3/4	2 9/16	OK	OK	OK	NONE		G3	_	
24	Х			.408	.431	.408	.452	.444				2	4 13/16	8 3/4	OK	OK	OK	OK	OK	NONE	OK	4 15/16	7 1/4	2 9/16	OK	OK	OK	NONE		G3	_	
26	X			.440	.450	.440	.456	.459				2	4 15/16	8 3/4	OK	OK	OK	OK	OK	NONE	OK	4 7/8	6 7/8	2 7/16	OK	OK	OK	NONE		G3		
27	X			.437	.440	.444	.437	.482				2	4 15/16	9 1/8	OK	OK OK	OK	OK	OK	NONE	OK	4 15/16	6 3/4	2 9/16	OK OK	OK OK	OK	NONE	OK	G3 G3	-	
28	X			.435	.450 .425	.446	.462 .451	.435				1	4 13/16 4 3/4	8 3/4 9 7/16	OK OK	OK	OK OK	OK OK	OK OK	NONE NONE	OK OK	4 13/16	7 5/8 6 7/8	2 9/16 2 9/16	OK	OK	OK OK	NONE	OK OK	G3		
31	X			.418	.442	.429	.418	.426				1	4 7/8	10 1/4	OK	OK	OK	OK	ОК	NONE	ОК	4 13/16	7 1/2	2 7/16	OK	ОК	OK	NONE	ОК	G3	-	
32	X			.448	.480	.452	.449	.448				1	4 15/16	8 7/8	OK	OK	OK	OK	ОК	NONE	ОК	4 15/16	7 3/8	2 9/16	OK	ОК	OK	NONE	ОК	G3		
33	Х			.426	.437	.441	.437	.426				1	4 13/16	8 3/8	OK	OK	ОК	ОК	OK	NONE	ОК	4 3/4	6 9/16	2 5/8	ОК	OK	OK	NONE	OK	G3		
34	х			.412	.412	.416	.455	.426				2	4 7/8	8 7/8	OK	OK	OK	OK	OK	NONE	ОК	4 7/8	7 1/2	2 7/16	ОК	OK	OK	NONE	OK	G3		
35	Х			.438	.438	.450	.460	.449				2	4 13/16	8	ОК	OK	OK	OK	ОК	NONE	ОК	4 13/16	7 1/8	2 9/16	ОК	ОК	OK	NONE	OK	G3		
36	Х			.409	.409	.418	.440	.478				2	4 3/4	8 1/8	OK	OK	OK	OK	ОК	NONE	OK	4 3/4	6 5/8	2 9/16	OK	OK	OK	NONE	OK	G3		
37	Х			.430	.446	.448	.430	.455				2	4 13/16	7 3/8	OK	OK	OK	OK	OK	NONE	OK	4 13/16	6 3/4	2 9/16	OK	OK	OK	NONE	OK	G3		
39	Х	\perp	_	.445	.474	.473	.450	.445				2	4 7/8	8 5/8	OK	OK	OK	OK	OK	NONE	OK	4 15/16	7 3/8	2 7/16	OK	OK	OK	NONE	OK	G3		
41	Х	+		.435	.449	.460	.435	.447				2	4 13/16	8 1/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	7 3/16	2 9/16	OK	OK	OK	NONE	OK	G3	_	
42	X	+	_	.412	.434	.432	.412	.428	\vdash			2	4 13/16	9 1/8	OK	OK	OK	OK	OK	NONE	OK	4 13/16	6 3/4	2 7/16	OK	OK	OK	NONE		G3	-	
43	X	+++	-+	.457	.470	.474	.457	.462	\vdash		\vdash	2	4 15/16	10 3/8	OK	OK	OK	OK	OK	NONE	OK	4 15/16	6 15/16	2 7/16	OK	OK	OK	NONE	OK	G3	+	
44	X Y	+	-+	.436	.441	.462	.474	.436 .452	\vdash		\vdash	2	4 7/8 4 3/4	9 1/8	OK OK	OK OK	OK OK	OK OK	OK OK	NONE	OK OK	4 13/16	6 7/8 6 3/4	2 7/16	OK OK	OK OK	OK OK	NONE	OK OK	G3 G3	-	
46	^ x	+ +		.408	.416 .440	.408	.412	.452	\vdash			2	4 7/8	8 9/16	OK OK	OK	OK	OK	OK	NONE	OK	4 3/4	7 3/8	2 9/16 2 9/16	OK	OK	OK	NONE	OK	G3	-	
47	X	1 1	-	.419	.444	.438	.419	.420	H		\vdash	2	4 7/6	10 5/8	OK	OK	OK	OK	OK	NONE	OK	4 7/6	7	2 9/16	OK	OK	OK	NONE	+	G3	十	
48	X	1 1		.386	.412	.429	.386	.438				2	4 13/16	7	OK	OK	OK	OK	ОК	NONE	OK	4 13/16	6 1/2	2 1/2	OK	ОК	OK	NONE		G3	1	
49	Х			.422	.422	.452	.449	.452				3	4 7/8	8 7/8	OK	OK	ОК	ОК	ОК	NONE	ОК	4 7/8	6 7/8	2 7/16	OK	ОК	ОК	NONE		G3		
50	Х			.423	.423	.432	.439	.449				2	4 13/16		OK	OK	OK	OK	OK	NONE	OK	4 13/16		2 9/16	OK	OK	OK	NONE		G3		
51	Х			.452	.454	.462	.452	.454				3	4 3/4	9 1/8	OK	OK	OK	OK	ОК	NONE	OK	4 11/16		2 9/16	OK	OK	OK	NONE	ОК	G3		
52	Х			.424	.424	.444	.452	.466				3	4 3/4	8 1/2	OK	OK	OK	OK	OK	NONE	OK	4 3/4	6 7/8	2 9/16	OK	OK	ОК	NONE	OK	G3		
53	Х			.438	.445	.438	.460	.457				2	4 3/4	8 1/2	OK	OK	OK	ОК	OK	NONE	OK	4 13/16	7 1/8	2 9/16	OK	OK	OK	NONE	OK	G3		
54	Х			.430	.444	.447	.439	.430				4	4 13/16	8 1/2	OK	OK	OK	OK	OK	NONE	OK	4 13/16	7 1/8	2 9/16	OK	OK	OK	NONE	OK	G3		
55	Х			.439	.450	.439	.448	.442				2	4 7/8	9 1/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	6 15/16	2 9/16	OK	OK	OK	NONE	OK	G3		

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 10 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH ΙD RAND COND # Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE WIDTH DIA LGTH 9 3/4 G3 .420 .420 .439 .454 .433 2 4 15/16 OK NONE OK 4 15/16 6 7/8 2 9/16 OK NONE OK .428 .440 .451 .428 .439 2 4 7/8 9 5/8 OK OK OK OK NONE 4 15/16 6 3/4 2 9/16 OK OK OK NONE OK G3 57 OK OK 58 Х 399 444 461 399 420 4 13/16 8 1/8 OK OK ΟK ΟK OK NONE 4 13/16 6 9/16 2 9/16 OΚ OK OK NONE OK G3 .438 .438 .463 .475 .485 4 13/16 OK OK NONE 4 13/16 2 7/16 OK NONE OK G3 59 OK OK OK OK 6 5/8 OK OK 60 .439 .462 .460 .439 .450 4 3/4 8 3/8 OK OK OK OK NONE OK 4 3/4 6 7/8 2 9/16 OK OK OK NONE OK OK 61 Х 441 456 441 454 .447 4 3/4 8 13/16 OK OK ΟK OK OK NONE OK 4 13/16 7 1/4 2 9/16 OK OK OK NONE OK G3 62 .414 .414 .417 .439 .435 4 7/8 8 1/8 OK OK OK OK OK NONE OK 4 7/8 6 5/8 9/16 OK OK OK NONE OK G3 63 .416 .416 .439 .427 .447 4 13/16 9 1/2 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 7/16 OK OK OK NONE OK G3 64 Χ .425 .411 2 9 3/4 OK OK NONE 4 7/8 NONE OK G3 .408 .408 .420 4 7/8 OK OK OK OK 2 9/16 OK OK OK 65 .400 .416 .400 .420 .401 4 3/4 8 1/2 OK OK OK OK OK NONE OK 4 13/16 6 5/8 2 9/16 OK OK OK NONE OK G3 66 .402 .426 .405 .402 .430 4 7/8 8 1/2 OK OK OK OK NONE OK 4 7/8 6 9/16 2 7/16 OK OK NONE OK G3 67 Х .426 .450 .430 .431 4 15/16 9 5/8 OK OK OK OK NONE 4 7/8 OK OK NONE OK G3 .426 OK OK 2 9/16 OK Х OK OK 68 402 445 426 .402 413 2 4 13/16 8 1/2 OK OK OK ΟK OK NONE 4 13/16 6 13/16 2 7/16 ΟK OK NONE OK G3 .445 .445 .448 .447 NONE 4 7/8 NONE OK G3 69 .466 2 4 7/8 9 1/8 OK OK OK OK OK OK 6 5/8 2 9/16 OK OK OK .436 4 13/16 OK OK NONE 7 1/16 2 7/16 OK NONE OK G3 70 Х .424 .489 .424 .441 8 1/2 OK OK OK OK 4 13/16 OK OK 71 Х .437 .431 .435 2 NONE 4 7/8 OK NONE OK 431 439 4 7/8 8 3/4 OK OK OK OK OK OK 6 7/8 2 9/16 OK OK G3 NONE 72 .402 .402 .434 .446 .418 4 13/16 10 3/8 OK OK OK OK OK NONE OK 4 13/16 6 1/2 2 7/16 OK OK OK OK G3 .409 .419 .409 .418 .424 4 3/4 OK OK NONE 4 3/4 6 11/16 2 9/16 OK OK NONE OK 73 8 3/8 OK OK OK OK OK G3 75 Χ .414 .414 .419 .430 .427 2 4 13/16 8 3/4 OK OK OK OK OK NONE OK 4 13/16 6 1/2 2 7/16 OK OK OK NONE OK G3 76 X .402 .402 .429 .442 .437 4 13/16 9 1/8 OK OK OK OK OK NONE OK 4 7/8 6 11/16 2 9/16 OK OK OK NONE OK G3 Х .412 .412 .445 .427 .429 4 13/16 9 1/4 OK OK OK OK NONE OK 4 3/4 6 1/2 2 9/16 OK OK OK NONE OK G3 .396 .416 2 OK NONE 4 13/16 NONE 78 Х .440 .408 .396 4 3/4 8 1/8 OK OK OK OK OK 2 9/16 OK OK OK OK G3 79 Х 4 3/4 OK NONE 4 13/16 NONE OK .404 .429 .404 .416 .418 8 1/2 OK OK OK OK OK 6 3/4 2 9/16 OK OK OK G3 4 13/16 NONE 4 3/4 NONE OK 81 .418 .418 .424 .430 .422 OK OK OK OK OK OK 6 3/4 2 5/8 OK OK OK 7 5/8 NONE 82 .454 .457 .460 .454 .466 4 7/8 8 7/8 OK OK OK OK OK NONE OK 4 7/8 2 9/16 OK OK OK OK G3 83 .430 .432 .430 457 .442 4 13/16 9 7/8 OK OK OK OK OK NONE 4 3/4 6 1/2 7/16 OK OK OK NONE OK G3 84 Х .419 .444 .459 .460 .419 2 4 7/8 9 5/8 OK OK OK OK OK NONE OK 4 15/16 6 13/16 2 7/16 OK OK OK NONE OK G3 85 .427 .427 .432 .447 .459 4 13/16 8 3/4 OK OK OK OK OK NONE OK 4 13/16 7 1/16 2 9/16 OK OK OK NONE OK G3 Χ 8 3/4 NONE 4 7/8 NONE 86 .452 .460 .475 .452 .469 4 7/8 OK OK OK OK OK OK 6 3/4 2 9/16 OK OK OK OK G3 .464 .452 .470 455 4 7/8 NONE 4 7/8 7 5/8 NONE OK 87 Х 452 2 OK OK OK OK OK OK 2 9/16 OK OK OK G3 .461 4 13/16 9 1/4 OK NONE 4 13/16 6 7/8 2 9/16 NONE OK .416 .427 .416 431 OK OK OK OK OK OK OK OK G3 89 .418 .422 .418 .461 .434 4 13/16 10 1/2 OK OK OK OK OK NONE OK 4 3/4 6 7/8 2 9/16 OK OK OK NONE OK G3 90 Χ .459 .460 .484 .482 .459 2 4 7/8 9 1/2 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 9/16 OK OK OK NONE OK G3 4 7/8 NONE 91 .419 .429 .419 .439 .430 2 4 7/8 9 5/8 OK OK OK OK OK NONE OK 6 7/8 2 9/16 OK OK OK OK G3 92 .410 .410 .422 .448 .430 4 13/16 9 1/2 OK OK OK OK NONE OK 4 7/8 6 1/2 2 7/16 OK OK OK NONE OK 6 5/8 .415 .460 .470 .444 .415 4 7/8 6 1/2 OK OK OK OK OK NONE OK 4 7/8 2 9/16 OK OK OK NONE OK 93 94 .422 .489 .466 .440 .422 2 4 7/8 9 5/8 OK OK OK OK OK NONE OK 4 13/16 6 3/4 2 9/16 OK OK OK NONE OK G3 95 Х .429 .429 .457 450 .439 2 4 3/4 8 3/4 OK OK OK OK OK NONE OK 4 3/4 6 5/8 2 9/16 OK OK OK NONE OK G3 Х 2 4 7/8 4 7/8 NONE G3 96 .435 .435 .461 .470 .476 8 3/4 OK OK OK OK OK NONE OK 6 7/8 2 9/16 OK OK OK OK NONE 97 Χ .422 .454 .430 .439 .422 4 13/16 8 3/4 OK OK OK OK OK NONE 4 13/16 2 7/16 OK OK G3 OK OK OK .420 .420 .452 .441 450 4 7/8 8 7/8 OK OK OK OK OK NONE OK 4 13/16 7 1/4 2 9/16 OK OK OK NONE OK 99 .404 .450 .441 .404 .416 2 4 7/8 9 OK OK OK OK OK NONE OK 4 7/8 6 7/8 2 9/16 OK OK OK NONE OK G3 10 1/4 100 Χ .412 .412 .420 .444 .446 4 7/8 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 7/16 OK OK OK NONE OK G3 101 .422 .422 .433 .460 .429 4 13/16 9 1/4 OK OK OK OK OK NONE OK 4 13/16 7 3/8 2 9/16 OK OK OK NONE OK G3 .437 4 7/8 NONE 4 7/8 2 7/16 NONE 102 .451 .460 .437 .442 10 OK OK OK OK OK 6 5/8 OK OK OK OK G3 .438 .438 .450 459 .452 4 13/16 8 7/8 OK OK OK OK NONE 4 13/16 7 3/8 2 5/8 OK OK NONE OK 103 OK OK 104 Х 426 .447 .460 433 .426 Ω 4 7/8 6 3/4 OK OK OK OK OK NONE ΟK 4 7/8 6 7/8 2 7/16 ΟK OK OK NONE OK G3 NONE 4 13/16 NONE 105 .404 .419 .404 .430 .450 2 4 7/8 8 7/8 OK OK OK OK OK OK 6 5/8 2 9/16 OK OK OK OK G3 106 .408 .408 .435 4 13/16 9 1/8 OK OK ОК OK OK NONE 4 13/16 2 7/16 OK OK OK NONE OK G3 .444 .418 OK 6 9/16 107 X .421 .421 .422 .444 .465 4 4 7/8 OK OK NONE 4 7/8 6 9/16 2 7/16 OK NONE OK G3 9 3/8 OK OK OK OK OK OK 108 .422 .445 .446 .422 .433 0 4 3/4 6 7/8 OK OK OK OK OK NONE OK 4 13/16 6 7/8 2 7/16 OK OK OK NONE OK G3 109 .429 .431 .427 .463 4 3/4 OK OK OK NONE 4 13/16 2 7/16 OK OK OK NONE OK G3 .436 .436 .444 .458 2 4 13/16 4 13/16 7 3/8 OK 110 .466 8 1/8 OK OK OK OK OK NONE OK 2 9/16 OK OK OK NONE G3 111 Х .434 .452 .434 .467 .441 2 4 3/4 8 1/4 OK OK OK OK OK NONE OK 4 3/4 7 3/16 2 5/8 OK OK OK NONE OK G3 112 .440 .460 .454 .440 .453 2 4 7/8 OK OK OK OK OK NONE OK 4 7/8 6 5/8 2 7/16 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 11 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH RAND COND # Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE ΙD WIDTH DIA LGTH G3 .448 .448 .476 .463 .450 2 4 13/16 OK NONE OK 4 7/8 6 3/4 2 7/16 OK NONE OK 114 .419 .420 .419 .446 .435 4 15/16 OK OK OK OK NONE 4 15/16 6 3/4 2 7/16 OK OK OK NONE OK G3 OK OK 115 Χ 409 409 .432 425 418 4 7/8 10 1/2 OK OK ΟK ΟK OK NONE 4 13/16 6 9/16 2 9/16 OΚ OK OK NONE OK G3 116 .432 .432 .459 .434 4 13/16 9 5/8 OK NONE 4 13/16 6 9/16 2 7/16 OK NONE OK G3 .446 OK OK OK OK OK OK OK 117 .434 .459 .451 .470 .434 4 3/4 8 5/8 OK OK OK OK NONE OK 4 3/4 7 1/16 2 9/16 OK OK OK NONE OK OK 118 428 .472 451 .428 439 4 13/16 9 3/8 OK OK ΟK OK OK NONE OK 4 13/16 6 11/16 2 9/16 OK OK OK NONE OK G3 119 .436 .472 .470 .440 .436 4 13/16 8 7/8 OK OK OK OK OK NONE OK 4 13/16 6 11/16 9/16 OK OK OK NONE OK G3 120 .432 .459 .432 .448 .436 2 4 7/8 8 5/8 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 7/16 OK OK OK NONE OK G3 121 Χ .412 .436 .412 4 4 3/4 9 1/8 OK OK NONE OK 4 3/4 NONE OK G3 .418 .424 OK OK OK 6 3/4 2 9/16 OK OK OK 122 .442 .482 .462 .442 .473 4 13/16 8 3/8 OK OK OK OK OK NONE OK 4 13/16 6 5/8 2 9/16 OK OK OK NONE OK G3 123 .415 .415 .450 .478 .430 4 15/16 9 3/4 OK OK OK OK NONE OK 4 7/8 6 7/8 2 9/16 OK OK NONE OK G3 124 .441 .461 .458 .442 .441 4 3/4 8 5/8 OK OK OK OK NONE OK 4 3/4 7 5/8 OK OK NONE OK G3 OK 2 9/16 OK Х .442 .444 .447 OK OK 125 442 449 2 4 13/16 OK OK OK ΟK OK NONE OK 4 13/16 7 5/8 2 9/16 ΟK OK NONE 9 3/4 G3 .430 .430 4 13/16 NONE 4 13/16 7 1/2 2 9/16 NONE OK G3 126 .478 .468 .466 2 8 3/4 OK OK OK OK OK OK OK OK OK 127 .434 .435 OK OK NONE OK NONE OK G3 Х .461 .444 .434 4 15/16 10 1/2 OK OK OK OK 4 7/8 6 13/16 2 7/16 OK OK 128 Х .428 .450 .452 2 4 13/16 OK NONE 4 7/8 OK NONE OK 428 448 9 OK OK OK OK OK 6 7/8 2 1/2 OK OK G3 NONE 129 .427 .455 .427 .436 .450 2 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 7/8 6 7/8 2 7/16 OK OK OK OK G3 .455 .470 .484 .498 .455 4 15/16 8 3/4 OK OK NONE 4 7/8 7 5/8 OK OK NONE OK 130 OK OK OK OK 2 9/16 OK G3 131 Χ .435 .465 .448 .435 .442 3 4 7/8 9 1/2 OK OK OK OK OK NONE OK 4 13/16 6 3/4 2 9/16 OK OK OK NONE OK G3 132 .414 .437 .430 .414 .431 4 13/16 6 1/2 OK OK OK OK OK NONE OK 4 13/16 6 3/4 2 1/2 OK OK OK NONE OK G3 133 .390 .441 .390 .415 .425 4 3/4 9 1/8 OK OK OK NONE OK 4 3/4 6 5/8 2 5/8 OK OK OK NONE OK G3 .419 .428 9 1/8 NONE 4 13/16 6 11/16 2 7/16 NONE 134 X .419 .422 .430 2 4 13/16 OK G3 Х .437 4 13/16 OK NONE 4 7/8 6 11/16 NONE OK 135 .442 .440 .449 .437 9 3/8 OK OK OK OK OK 2 7/16 OK OK OK G3 .426 4 13/16 NONE OK 136 .426 .435 459 450 4 3/4 OK OK OK OK OK NONE OK 6 9/16 2 5/8 OK OK OK 138 .429 .468 .470 .429 .435 4 7/8 10 OK OK OK OK OK NONE OK 4 13/16 6 1/2 2 7/16 OK OK OK NONE OK 139 .426 .426 .431 .456 .462 4 13/16 9 3/4 OK OK OK OK OK NONE 4 13/16 6 11/16 9/16 OK OK NONE OK G3 140 Х .419 .431 .492 .419 .427 0 4 13/16 10 OK OK OK OK OK NONE OK 4 13/16 6 5/8 2 7/16 OK OK OK NONE OK G3 141 .440 .465 .470 .442 4 11/16 8 1/2 OK OK OK OK OK NONE OK 4 11/16 6 3/4 2 5/8 OK OK OK NONE OK G3 Χ 8 1/2 NONE NONE 142 .430 .436 .430 .450 .456 4 3/4 OK OK OK OK OK OK 4 3/4 6 7/8 2 9/16 OK OK OK OK G3 .450 .417 .432 .441 4 13/16 NONE 4 13/16 NONE OK 143 Х .417 2 9 3/8 OK OK OK OK OK OK 6 5/8 2 7/16 OK OK OK G3 .431 .431 448 4 3/4 OK NONE 4 11/16 6 9/16 2 7/16 NONE OK .440 .439 10 1/4 OK OK OK OK OK OK OK OK G3 145 .418 .423 .418 .459 .426 4 7/8 8 7/8 OK OK OK OK OK NONE OK 4 7/8 6 3/4 2 7/16 OK OK OK NONE OK G3 146 Х .400 .408 .420 .428 .400 2 4 13/16 8 3/4 OK OK OK OK OK NONE OK 4 3/4 7 1/8 2 9/16 OK OK OK NONE OK G3 4 7/8 NONE 147 .409 .437 .409 .449 .448 2 4 15/16 8 7/8 OK OK OK OK OK NONE OK 6 3/4 2 9/16 OK OK OK OK G3 .402 .437 .402 .406 .449 4 3/4 OK OK OK OK NONE OK 4 13/16 6 7/8 2 9/16 OK OK OK NONE OK .407 .407 .444 .451 425 4 13/16 8 5/8 OK OK OK OK OK NONE OK 4 3/4 2 7/16 OK OK OK NONE OK 149 150 .435 .435 .440 442 .439 4 7/8 8 7/8 OK OK OK OK OK NONE OK 4 15/16 6 7/8 2 7/16 OK OK OK NONE OK G3 7 1/16 151 .407 .407 .413 .430 .422 2 4 13/16 8 1/4 OK OK OK OK OK NONE OK 4 3/4 2 7/16 OK OK OK NONE OK G3 152 .473 2 4 13/16 4 7/8 7 1/4 NONE G3 Χ .406 .454 .441 .406 OK OK OK OK OK NONE OK 2 9/16 OK OK OK OK NONE 153 Х .454 .454 .473 .462 4 15/16 8 1/2 OK OK OK OK OK NONE OK 4 15/16 7 3/8 2 9/16 OK OK .460 OK OK G3 .413 .457 .434 .424 .413 4 13/16 8 7/8 OK OK OK OK OK NONE OK 4 7/8 6 13/16 2 9/16 OK OK OK NONE OK 155 .439 .452 .457 .440 .439 2 4 13/16 8 7/8 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 9/16 OK OK OK NONE OK G3 156 Χ .424 .446 .455 .429 .424 4 3/4 8 7/8 OK OK OK OK OK NONE OK 4 13/16 6 13/16 2 7/16 OK OK OK NONE OK G3 157 .417 .423 .418 .439 .417 0 4 13/16 10 1/4 OK OK OK OK OK NONE OK 4 13/16 6 1/2 2 7/16 OK OK OK NONE OK G3 4 3/4 NONE 4 13/16 6 7/8 NONE 158 .463 .451 .453 455 8 7/8 OK OK OK OK OK 2 5/8 OK OK OK OK G3 .407 .422 .436 .434 .407 4 3/4 8 5/8 OK OK OK OK NONE 4 3/4 OK OK OK NONE OK 159 OK 6 3/4 9/16 160 Х 405 .405 .429 .442 .432 2 4 13/16 8 3/4 OK OK OK OK OK NONE ΟK 4 3/4 6 11/16 2 9/16 ΟK OK OK NONE OK G3 NONE NONE 161 .436 .466 .470 454 .436 3 4 7/8 8 7/8 OK OK OK OK OK OK 4 13/16 7 7/8 2 9/16 OK OK OK OK G3 7 1/8 162 Х .436 .436 .441 4 13/16 OK OK ОК OK OK NONE OK 4 3/4 6 3/4 2 7/16 OK OK OK NONE OK G3 .456 .450 163 X .428 .451 .429 2 4 13/16 10 3/8 OK NONE 4 13/16 6 9/16 2 7/16 OK NONE OK G3 .436 .428 OK OK OK OK OK OK OK 164 .442 .442 .447 .445 .464 4 13/16 8 1/4 OK OK OK OK OK NONE OK 4 13/16 7 1/2 2 9/16 OK OK OK NONE OK G3 165 .440 .461 .464 .440 .474 4 7/8 OK OK OK NONE 4 7/8 7 1/4 2 9/16 OK OK OK NONE OK G3 8 7/8 .421 .429 .444 .423 2 4 13/16 4 13/16 OK 166 .421 OK OK OK OK OK NONE OK 6 1/2 2 7/16 OK OK OK NONE G3 167 Х .458 .492 .458 .461 .470 2 4 7/8 8 1/2 OK OK OK OK OK NONE OK 4 13/16 7 3/16 2 5/8 OK OK OK NONE OK G3 168 .420 .420 .448 .434 .455 2 4 3/4 8 1/16 OK OK OK OK OK NONE OK 4 3/4 6 13/16 2 9/16 OK OK OK NONE OK G3

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BAND COND OΠ SPACE ΙD WIDTH DIA LGTH 9 3/8 G3 169 .414 .450 .439 .414 .417 0 4 13/16 OK NONE OK 4 7/8 6 5/8 2 9/16 OK NONE OK 170 .416 .442 .454 .416 .431 0 4 13/16 8 3/4 OK OK OK OK NONE 4 13/16 7 1/8 2 7/16 OK OK OK NONE OK G3 OK OK 171 Х .428 438 .462 434 428 Ω 4 13/16 9 1/4 OK OK ΟK ΟK OK NONE OK 4 13/16 6 15/16 2 7/16 OΚ OK OK NONE OK G3 172 398 .435 .431 .422 9 1/8 OK NONE OK 4 7/8 2 9/16 OK NONE OK G3 .398 4 7/8 OK OK OK OK 6 9/16 OK OK 173 .408 .432 .452 .435 .408 4 13/16 8 5/8 OK OK OK OK NONE OK 3/4 7 1/2 2 7/16 OK OK OK NONE OK OK 174 Х 432 441 464 432 470 4 7/8 8 5/8 OK OK ΟK OK OK NONE OK 4 7/8 2 9/16 OK OK OK NONE OK G3 175 .443 .443 .478 .451 .444 4 3/4 8 5/8 OK OK OK OK OK NONE OK 4 3/4 7 1/4 2 9/16 OK OK OK NONE OK G3 176 .425 .454 .473 .437 .425 2 4 15/16 8 3/4 OK OK OK OK OK NONE OK 4 15/16 6 15/16 2 9/16 OK OK OK NONE OK G3 177 Χ .433 .430 .439 4 13/16 10 OK OK OK NONE 4 13/16 6 13/16 OK NONE OK G3 .411 .411 OK OK OK 2 9/16 OK OK 178 .392 .442 .431 .409 .392 4 7/8 9 1/2 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 7/16 OK OK OK NONE OK G3 179 .455 .469 .455 .463 .461 4 13/16 9 3/4 OK OK OK OK NONE OK 4 13/16 6 7/8 2 9/16 OK OK NONE OK G3 .424 .447 .424 .470 4 7/8 8 1/4 OK OK OK OK NONE OK 4 7/8 6 13/16 OK OK NONE OK G3 180 .466 OK 2 9/16 OK Х .434 .459 OK OK 181 .425 425 456 2 4 11/16 8 1/4 OK OK OK ΟK OK NONE OK 4 3/4 7 3/8 2 9/16 ΟK OK NONE G3 .394 4 13/16 10 1/4 NONE 4 3/4 NONE OK G3 182 .384 .412 .384 .385 2 OK OK OK OK OK OK 6 7/8 2 7/16 OK OK OK .427 .427 .467 OK OK NONE 4 15/16 OK NONE OK G3 183 Х .466 .473 4 15/16 10 1/2 OK OK OK OK 6 1/2 2 9/16 OK OK 184 Х .441 .433 .467 4 13/16 NONE 4 3/4 OK NONE OK 430 430 Ω 8 5/8 OK OK OK OK OK OK 6 9/16 2 9/16 OK OK G3 NONE 185 .430 .430 .461 .473 .477 4 13/16 8 3/4 OK OK OK OK OK NONE OK 4 13/16 7 1/2 2 9/16 OK OK OK OK G3 .431 .433 .461 .416 4 13/16 OK OK OK NONE 4 3/4 6 1/2 2 1/2 OK OK NONE OK 186 .416 OK OK OK OK G3 187 Χ .429 .445 .478 .437 .429 2 4 3/4 10 1/8 OK OK OK OK OK NONE OK 4 13/16 6 11/16 2 9/16 OK OK OK NONE OK G3 188 X .437 .437 .450 .469 .449 4 13/16 8 3/8 OK OK OK OK OK NONE OK 4 11/16 6 7/8 2 9/16 OK OK OK NONE OK G3 189 .404 .404 .424 .435 .438 9 3/8 OK OK OK NONE OK 4 13/16 6 5/8 2 7/16 OK OK OK NONE OK G3 4 7/8 .410 2 4 7/8 10 1/2 OK NONE 4 15/16 6 11/16 2 9/16 NONE 190 Х .410 .420 .440 .460 OK OK OK OK OK OK OK OK OK G3 191 Х 4 7/8 OK NONE 4 7/8 NONE OK .440 .440 .472 .459 .452 8 7/8 OK OK OK OK OK 7 3/8 2 9/16 OK OK OK G3 4 13/16 NONE 4 13/16 NONE OK 192 .430 .433 .430 .444 447 9 3/4 OK OK OK OK OK OK 6 5/8 2 9/16 OK OK OK NONE 193 .417 .417 .425 .431 .440 4 13/16 10 3/8 OK OK OK OK OK NONE OK 4 13/16 6 5/8 2 7/16 OK OK OK OK G3 194 444 .463 .457 .444 460 4 3/4 8 3/4 OK OK OK OK OK NONE 4 3/4 2 9/16 OK OK OK NONE OK G3 4 13/16 195 Χ .422 .450 .422 .439 .443 2 4 7/8 9 7/8 OK OK OK OK OK NONE OK 6 1/2 2 9/16 OK OK OK NONE OK G3 196 .396 .450 .396 .411 .406 4 7/8 8 3/4 OK OK OK OK OK NONE OK 4 7/8 2 1/8 OK OK OK NONE OK G3 Х NONE 4 7/8 2 7/16 NONE 199 .425 .455 .425 .430 .428 4 7/8 10 3/8 OK OK OK OK OK OK 6 3/4 OK OK OK OK G3 .472 .466 .452 462 4 15/16 NONE 4 7/8 NONE OK 200 Х 452 2 9 1/2 OK OK OK OK OK OK 6 3/4 2 7/16 OK OK OK G3 .456 450 OK NONE 4 7/8 6 7/8 NONE OK 201 .446 .446 .472 4 7/8 8 5/8 OK OK OK OK OK 2 1/8 OK OK OK G3 202 .418 .446 .420 .418 .446 2 4 7/8 OK OK OK OK OK NONE OK 4 7/8 7 5/8 2 1/8 OK OK OK NONE OK G3 203 Х .396 .401 .396 .404 .422 2 9 7/8 OK OK OK OK OK NONE OK 6 7/8 2 1/8 OK OK OK NONE OK G3 4 11/16 NONE 204 417 .417 .435 .451 .445 2 8 1/2 OK OK OK OK OK NONE OK 4 5/8 7 1/2 2 1/8 OK OK OK OK G3 205 .426 .426 .432 .448 .464 4 15/16 8 13/16 OK OK OK NONE OK 4 15/16 6 7/8 2 1/8 OK OK OK NONE OK .463 .463 .483 .467 .472 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 7 1/8 2 7/16 OK OK OK NONE OK 206 207 .396 .413 .396 409 .419 4 15/16 8 3/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK G3 208 Χ .437 .455 .442 .437 .451 2 4 7/8 9 3/8 OK OK OK OK OK NONE OK 4 15/16 6 3/4 2 7/16 OK OK OK NONE OK G3 .427 2 4 15/16 4 15/16 7 1/4 NONE G3 209 Χ .414 .414 .445 .425 8 5/8 OK OK OK OK OK NONE OK 2 1/8 OK OK OK OK 210 Х .437 .445 .437 .459 .460 4 7/8 OK OK OK OK OK NONE OK 4 7/8 7 1/16 2 1/8 OK OK NONE OK G3 8 5/8 OK 211 .437 .446 .451 .437 455 4 15/16 8 5/8 OK OK OK OK OK NONE OK 4 15/16 7 7/8 2 1/8 OK OK OK NONE OK 212 .422 .436 .422 .438 .441 2 4 13/16 OK OK OK OK OK NONE OK 4 3/4 7 5/8 2 1/8 OK OK OK NONE OK G3 7 1/8 213 Χ .426 .435 .426 .481 .478 4 7/8 8 1/2 OK OK OK OK OK NONE OK 4 13/16 2 1/8 OK OK OK NONE OK G3 214 .394 .400 .394 .423 .405 4 7/8 OK OK OK OK OK OK OK 4 7/8 6 7/8 2 1/2 OK OK OK NONE OK G3 4 15/16 10 7/8 OK NONE 4 15/16 6 13/16 NONE 216 .426 .426 .436 .440 .451 OK OK OK OK OK 2 1/8 OK OK OK OK G3 .451 .476 .460 .462 .451 4 15/16 10 3/8 OK OK OK OK NONE 4 15/16 OK OK OK NONE OK 217 OK 6 5/8 7/16 218 Х .447 .447 .470 .465 .458 Ω 4 7/8 10 1/2 OK OK OK OK OK NONE ΟK 4 7/8 6 13/16 2 7/16 ΟK OK OK NONE OK G3 NONE 4 13/16 NONE 219 .430 .437 .430 .458 .442 0 4 7/8 8 7/8 OK OK OK OK OK OK 7 1/4 2 1/8 OK OK OK OK G3 220 Х .427 .427 .445 .465 .448 4 15/16 8 1/2 OK OK ОК OK OK NONE 4 15/16 2 1/8 OK OK OK NONE OK G3 OK X .439 .439 .457 .463 448 4 15/16 9 3/8 OK NONE 4 15/16 6 1/2 2 7/16 OK OK NONE OK G3 221 3 OK OK OK OK OK OK 223 .436 .455 .446 .436 .460 4 15/16 8 5/8 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 .446 .446 .449 .465 .470 4 7/8 9 3/8 OK OK OK NONE 4 15/16 6 3/4 2 7/16 OK OK OK NONE OK G3 447 .450 .454 .447 2 4 7/8 NONE 4 15/16 OK 226 .475 8 3/4 OK OK OK OK OK OK 7 1/4 2 7/16 OK OK OK NONE G3 227 Х .420 .420 .474 456 .476 2 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 6 7/8 2 7/16 OK OK OK NONE OK G3 228 .417 .417 .436 .445 .422 2 4 7/8 OK OK OK OK OK NONE OK 4 7/8 6 1/2 2 1/8 OK OK OK NONE OK G3

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BAND COND OΠ SPACE WIDTH DIA LGTH G3 229 .427 .439 .440 .435 .427 2 4 15/16 10 3/8 OK NONE OK 4 15/16 6 13/16 2 7/16 OK NONE OK 230 .440 .458 .440 .461 .467 2 4 7/8 9 1/8 OK OK OK OK NONE 4 7/8 6 9/16 2 7/16 OK OK OK NONE OK G3 OK OK 231 Х 450 458 465 466 450 8 3/4 OK OK ΟK ΟK OK NONE OK 4 15/16 2 7/16 OΚ OK OK NONE OK G3 .428 .437 .455 .446 4 15/16 9 1/2 OK NONE 4 7/8 6 3/4 2 7/16 OK NONE OK G3 232 .428 OK OK OK OK OK OK OK .415 .415 .451 .442 .437 4 7/8 8 5/8 OK OK OK OK NONE OK 4 7/8 2 1/8 OK OK OK NONE OK 233 OK 6 11/16 235 404 460 .425 431 .404 4 15/16 9 1/2 OK OK ΟK OK OK NONE OK 2 1/8 ΟK OK OK NONE OK G3 236 .415 .445 .452 .415 .420 4 13/16 8 1/8 OK OK OK OK OK NONE OK 4 7/8 7 1/8 1/8 OK OK OK NONE OK G3 237 .443 .443 .466 .458 .458 2 4 7/8 10 3/8 OK OK OK OK OK NONE OK 4 7/8 6 3/4 2 7/16 OK OK OK NONE OK G3 238 Χ .428 .460 2 4 7/8 8 3/4 OK OK NONE OK 4 7/8 6 13/16 NONE OK G3 .428 .440 .446 OK OK OK 2 1/8 OK OK OK 239 .451 .451 .458 .470 .460 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 6 3/4 2 7/16 OK OK OK NONE OK G3 240 .426 .426 .457 .448 .444 4 15/16 8 3/8 OK OK OK OK NONE OK 4 15/16 7 1/8 2 1/8 OK OK NONE OK G3 .409 .431 .421 .414 9 1/8 OK OK OK OK NONE 4 7/8 OK OK NONE OK G3 243 .409 4 7/8 OK OK 6 5/8 2 1/8 OK Х 2 OK OK 246 400 410 400 421 436 4 5/8 OK OK OK ΟK OK NONE 4 5/8 2 1/2 ΟK OK NONE 8 7/8 OK G3 .415 .428 4 15/16 10 3/8 NONE 4 15/16 6 5/8 2 7/16 NONE OK G3 248 .415 .455 .465 2 OK OK OK OK OK OK OK OK OK .427 .436 .427 0 OK OK NONE 7 3/16 2 1/8 OK NONE OK G3 250 .456 .440 8 5/8/ OK OK OK OK OK OK Х .458 .476 .461 2 NONE OK OK NONE OK 251 436 436 10 1/8 OK OK OK OK OK 6 3/4 2 7/16 OK OK G3 NONE 252 .438 .443 .455 .440 .438 2 4 5/8 8 3/8 OK OK OK OK OK NONE OK 4 5/8 7 1/8 2 1/8 OK OK OK OK G3 .404 .404 .433 .446 10 1/2 OK OK NONE 4 7/8 6 5/8 OK OK NONE OK 257 .456 4 7/8 OK OK OK OK 2 5/8 OK G3 258 Χ 436 .475 .469 .440 .436 2 4 7/8 8 3/16 OK OK OK OK OK NONE OK 4 7/8 2 7/16 OK OK OK NONE OK G3 260 .410 .443 .410 .440 .455 4 15/16 8 5/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 7/16 OK OK OK NONE OK G3 .404 .404 .447 .420 .435 4 15/16 10 1/2 OK OK OK OK NONE OK 4 15/16 6 7/8 2 1/8 OK OK OK NONE OK G3 .420 4 7/8 6 7/8 NONE 262 Х .436 .420 .455 .461 2 4 7/8 9 1/2 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK G3 Х 4 7/8 OK NONE 4 7/8 6 11/16 NONE OK 263 .455 .460 .455 .462 .482 9 1/4 OK OK OK OK OK 2 7/16 OK OK OK G3 .447 4 15/16 NONE OK 264 447 .470 456 464 6 5/8 OK OK OK OK OK OK OK 6 3/4 2 9/16 OK OK OK 265 .450 .469 .466 .450 .452 4 15/16 8 1/16 OK OK OK OK OK NONE OK 4 15/16 8 5/8 2 1/8 OK OK OK NONE OK 267 .460 .477 .460 476 .460 4 7/8 10 3/8 OK OK OK OK OK NONE 4 15/16 6 11/16 7/16 OK OK OK NONE OK G3 268 .455 .466 .455 .461 .457 2 4 15/16 9 3/8 OK OK OK OK OK NONE OK 4 15/16 6 5/8 2 7/16 OK OK OK NONE OK G3 269 .437 .465 .436 .427 4 7/8 9 1/2 OK OK OK OK OK NONE OK 4 7/8 6 3/4 2 7/16 OK OK OK NONE OK G3 Х 10 1/2 NONE 4 15/16 NONE 272 444 .468 .452 .444 .459 4 7/8 OK OK OK OK OK OK 6 3/4 2 7/16 OK OK OK OK G3 .415 .445 .460 4 7/8 4 13/16 NONE OK 273 Х .415 .465 2 7 1/8 OK OK OK OK OK OK OK 6 7/8 2 1/2 OK OK OK G3 .426 423 4 15/16 10 3/8 OK NONE 4 15/16 2 7/16 NONE OK 274 .410 .410 .443 OK OK OK OK OK 6 1/2 OK OK OK G3 275 .424 .4212 .441 .433 .424 4 7/8 10 3/8 OK OK OK OK OK NONE OK 4 15/16 6 7/8 2 7/16 OK OK OK NONE OK G3 276 Х .428 .2430 .440 .428 .436 2 4 7/8 8 1/2 OK OK OK OK OK NONE OK 4 7/8 2 1/2 OK OK OK NONE OK G3 4 15/16 4 15/16 6 13/16 NONE 277 .427 .427 .437 .472 .466 2 10 3/8 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK G3 278 .420 .445 .435 .420 436 6 1/2 OK OK OK FLUSH OK 6 7/8 2 9/16 OK OK OK NONE OK 6 7/8 .441 .463 .441 .457 462 4 7/8 10 1/2 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK 279 280 .412 .412 .427 .436 .464 4 15/16 8 3/4 OK OK OK OK OK NONE OK 4 15/16 6 1/2 2 7/16 OK OK OK NONE OK G3 282 Х .445 .445 .463 .446 .458 4 15/16 8 5/8 OK OK OK OK OK NONE OK 4 15/16 6 7/8 7/16 OK OK OK NONE OK G3 .447 .447 2 4 15/16 NONE G3 283 Χ .460 .456 .451 4 7/8 9 3/8 OK OK OK OK OK NONE OK 6 3/8 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7/16 OK OK OK NONE OK G3 .424 .466 X .451 .451 .468 .470 .452 2 4 7/8 10 3/8 OK OK OK NONE 4 15/16 6 13/16 2 7/16 OK NONE OK G3 299 OK OK OK OK OK 300 .422 .436 .446 .422 .455 4 7/8 9 1/8 OK OK OK OK OK NONE OK 4 7/8 6 7/8 2 1/8 OK OK OK NONE OK G3 .427 .427 .430 .463 .459 4 15/16 OK OK OK NONE 4 15/16 6 11/16 2 7/16 OK OK OK NONE OK G3 .403 .420 4 3/4 OK 303 .428 .415 .403 3 10 OK OK OK OK OK NONE OK 4 3/4 6 11/16 2 7/16 OK OK OK NONE G3 305 Х .437 .442 .437 450 .443 0 4 7/8 9 5/8 OK OK OK OK OK NONE OK 4 13/16 6 9/16 2 7/16 OK OK OK NONE OK G3 306 .425 .436 .440 .425 .432 0 4 3/4 8 7/8 OK OK OK OK OK NONE OK 3/4 6 9/16 2 9/16 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 14 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH ΙD RAND COND # Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. 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378					.409	.409	.415						1	4 15/16		ОК	ОК	ОК	ОК	ОК	NONE		4 15/16		2 1/8	ОК	ОК	ОК	NONE		G3			
379	Х				.438	.445	.450		.438				2	4 13/16		OK	OK	ОК	OK	OK	NONE		4 3/4	7 3/8	2 9/16	ОК	ОК	OK	NONE		G3			
380	Х				.409	.427	.416	.420	.409				2	4 13/16	8 1/2	OK	OK	ОК	OK	OK	NONE			7 1/8	2 7/16	OK	ОК	OK	NONE	OK	G3			
381	Х				.428	.428	.430	.445	.456				2		8 1/2	OK	OK	ОК	OK	OK	NONE		4 7/8	6 7/8	2 7/16	OK	OK	OK	NONE	OK	G3			
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385	X				.428	.441	.428	.445	.435	1			2	5	6 1/8	OK	OK	OK	OK	OK	FLUSH		5	7	2 9/16	OK	OK	OK	NONE	OK	G3 G3		 	
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SEIS Form 506 Rev. 1

STATE ENERGY INSPECTION SERVICES, INC. Drill Pipe Worksheet

Customer: Page 17 of 35

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 P.O. #:
 Date:
 11/21/2013

 Pipe O.D.
 3 1/2"
 Grade
 G-105
 Wt/Lbs/ft.
 15.50#
 Wall Thickness
 .449"
 Connections
 NC38

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1	X		.418	.456	.418	.436	.457				2	4 7/8	9 5/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	8	2 7/16	OK	OK	OK	NONE	OK	G3	-	
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5	X		.426	.441	.460	.439	.426				2	4 15/16	9 3/8	OK	OK	OK	OK	OK	NONE	OK	4 15/16	8	2 7/16	OK	OK	OK	NONE	OK	G3		
6	X		.412	.442	.440	.412	.438				2	4 11/16	10 1/8	OK	ОК	OK	OK	OK	NONE	OK	4 11/16	7 3/4	2 1/10	OK	OK	OK	NONE	OK	G3	t	
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13	Х		.427	.451	.427	.440	.433				2	4 15/16	10 3/8	OK	OK	OK	OK	ОК	NONE	OK	4 15/16	7 3/8	2 7/16	OK	ОК	OK	NONE	OK	G3		
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18	х	_	.462	.478	.470	.462	.483				2	5	9	OK	OK	OK	OK	OK	OK	OK	5	9 5/8	2 7/16	OK	OK	OK	NONE	OK	G3	4	
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22	X		.428	.428	.443	.436	.444				2	4 15/16	9 1/8	OK	OK	OK	OK	OK	NONE	OK	5	7 1/8	2 1/8	OK	OK	OK	NONE	OK	G3		
23	X		.413	.422	.420	.413	.426				2	4 13/16	9 1/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	7 1/8	2 1/8	OK	OK	OK	NONE	OK	G3		
25	X		.446	.455	.468	.446	.452				0	4 15/16 4 15/16	9 3/4	OK	OK OK	OK OK	OK	OK	NONE	OK	4 15/16 4 15/16	8	2 7/16 2 7/16	OK OK	OK	OK OK	NONE	OK OK	G3 G3		
26 27	^ <u> </u>		.442	.442	.490	.458	.462 .456				0	4 15/16	9 1/4	OK OK	OK	OK	OK OK	OK OK	NONE	OK OK	4 15/16	7 1/8	2 1/16	OK	OK OK	OK	NONE	OK	G3		
28	^ x		.428	.437	.448	.437	.428				0	4 3/4	6 1/8	OK	OK	OK	OK	OK	OK	OK	4 11/16		2 1/8	OK	OK	OK	NONE	OK	G3		
29	X		.456	.465	.460	.462	.456				2	5	9 1/8	OK	ОК	OK	OK	ОК	OK	ОК	5	9 3/8	2 7/16	OK	OK	OK	NONE	OK	G3		
30	X		.447	.447	.449	.465	.459				2	4 15/16	9 3/8	OK	OK	ОК	OK	ОК	NONE	ОК	4 15/16		2 7/16	OK	OK	ОК	NONE	ОК	G3		
31	х		.439	.444	.439	.456	.452				2	4 15/16	9 3/8	ОК	ОК	OK	ОК	ОК	NONE	ОК	4 15/16	8	2 7/16	ОК	OK	ОК	NONE	ОК	G3		
32	Х		.465	.471	.495	.472	.465				1	5	8 7/8	OK	OK	OK	OK	ОК	OK	OK	5	9 1/8	2 7/16	OK	ОК	OK	NONE	OK	G3		
34	Х		.392	.392	.416	.426	.398				0	4 15/16	7 3/8	ОК	ОК	OK	OK	ОК	BAD	ОК	4 15/16	9 1/8	2 7/16	ОК	ок	ОК	NONE	OK	G3		
35	х		.433	.441	.452	.445	.433				2	4 15/16	9 3/4	OK	OK	OK	OK	OK	NONE	OK	4 15/16	7 7/8	2 1/8	OK	OK	OK	NONE	OK	G3		
36	Х		.416	.438	.425	.416	.447				2	4 11/16	9 7/8	OK	OK	OK	OK	ОК	NONE	OK	4 11/16	7 3/4	2 1/2	OK	ОК	OK	NONE	OK	G3		
38	Х		.467	.481	.478	.470	.467				2	5	9 3/8	OK	OK	OK	OK	OK	OK	OK	5	9	2 7/16	OK	OK	OK	NONE	OK	G3		
39	X		.409	.432	.409	.420	.426				2	4 13/16	9 1/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	7 1/16	2 1/8	OK	OK	OK	NONE	OK	G3		
40	X		.452	.455	.460	.452	.493				2	5	9 1/4	OK	OK	OK	OK	OK	OK	OK	5	9 3/8	2 7/16	OK	OK	OK	NONE	OK	G3		
44	X		.443	.454	.460	.443	.462				2	4 7/8	9 3/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	8	2 7/16	OK	OK	OK	NONE	OK	G3		
47	X		.443	.455	.443	.450	.461			\vdash	2	4 7/8	10 3/8	OK	OK	OK	OK	OK	NONE	OK	4 7/8	7 5/8	2 7/16	OK	OK	OK	NONE	OK	G3	\dashv	
51	X .		.428	.456	.454	.428	.440				2	4 7/8	9 1/2	OK	OK	OK	OK	OK	NONE	OK	4 15/16	0 1/0	2 7/16	OK	OK	OK	NONE	OK	G3	_	
52 54	Ŷ	-	.430	.442	.430	.433	.441 .441			\vdash	2	4 5/8	9 1/2	OK OK	OK OK	OK OK	OK OK	OK OK	NONE	OK OK	4 11/16	8 1/8 7 3/4	2 9/16 2 7/16	OK OK	OK OK	OK OK	NONE	OK OK	G3 G3	\dashv	
58	x	+	.426	.422	.442	.446	.428				2	4 7/8	9 1/4	OK	OK	OK	OK	OK	NONE	OK	4 15/16	8	2 7/16	OK	OK	OK	NONE	OK	G3	\dashv	
59	x	+	.422	.460	.438	.461	.462				2	4 15/16	9 1/2	OK	OK	OK	OK	OK	NONE	OK	5	8	2 7/16	OK	OK	OK	NONE	OK	G3	\dashv	
63	x		.414	.414	.426	.448	.455				0	4 15/16	10 3/8	OK	OK	OK	OK	OK	NONE	OK	4 15/16	7 3/8	2 7/16	OK	OK	OK	NONE	OK	G3	十	
66	х		.422	.440	.422	.447	.440				2	4 11/16	9 3/4	OK	OK	ОК	OK	OK	NONE	ОК	4 11/16	8 5/8	2 1/2	OK	ОК	OK	NONE	ОК	G3		
67	х	t	.380	.380	.406	.385	.395				2	4 11/16	9 5/8	OK	ОК	OK	ОК	ОК	NONE	ОК	4 11/16		2 9/16	OK	OK	ОК	NONE	ОК	G3		
68	х		.466	.467	.466	.468	.477				2	5	9 1/4	OK	OK	ОК	OK	OK	OK	OK	5	8 1/2	2 7/16	OK	OK	OK	NONE	OK	G3		
69	х		.380	.387	.403	.380	.399				2	5	6 3/8	OK	OK	ОК	OK	ОК	FLUSH	OK	5	7 3/4	2 7/16	OK	OK	OK	NONE	OK	G3		
70	х		.395	.403	.407	.420	.395				2	4 11/16		OK	ОК	OK	ОК	OK	NONE	OK	4 11/16	9 3/8	2 1/2	OK	OK	OK	NONE	OK	G3		
71	х		.454	.466	.454	.455	.472				2	5	9 1/8	OK	OK	ОК	OK	OK	OK	ОК	5	10	2 7/16	OK	OK	OK	NONE	OK	G3		
72	х		.427	.436	.427	.432	.428				2	4 5/8	9 3/4	OK	OK	ОК	OK	OK	NONE	ОК	4 11/16	7 3/4	2 1/2	OK	OK	OK	NONE	ОК	G3		
73	х		.412	.437	.412	.422	.420				2	4 7/8	7 3/8	OK	OK	OK	OK	OK	FLUSH	OK	4 7/8	7 1/2	2 7/16	OK	OK	OK	NONE	OK	G3		
74	х	_	.447	.456	.460	.452	.447				1	5	9	OK	OK	OK	OK	OK	OK	OK	5	10	2 7/16	OK	OK	OK	NONE	OK	G3	_	
75	X		.451	.456	.460	.470	.451				2	5	8 3/4	OK	OK	OK	OK	OK	OK	OK	5	9 1/2	2 7/16	OK	ОК	OK	NONE	OK	G3		

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 18 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic Remarks 2 3 LGTH ΙD RAND COND # Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE WIDTH DIA LGTH G3 .429 .433 .437 .447 .429 2 OK OK OK 2 7/16 OK NONE OK 78 .446 .446 .468 .455 .470 2 8 7/8 OK OK OK OK OK 9 3/8 2 7/16 OK OK OK NONE OK G3 OK OK 79 Х .397 453 413 399 397 4 15/16 9 3/8 OK OK ΟK ΟK OK NONE ΟK 4 15/16 2 7/16 OΚ OK OK NONE OK G3 .418 .429 .434 .451 .418 9 7/8 OK OK NONE 4 11/16 2 1/2 OK NONE OK G3 81 OK OK OK OK OK OK 82 .414 .420 .414 .430 .442 4 15/16 9 3/4 OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK 0 OK 84 Х 420 .420 424 .432 425 4 13/16 9 3/4 OK OK OK OK ΟK NONE OK 7/8 2 1/8 ΟK OK OK NONE OK G3 85 .428 .462 .448 .461 .428 4 15/16 OK OK OK OK OK NONE OK 4 7/8 7 1/4 2 7/16 OK OK OK NONE OK G3 88 .380 .400 .418 .380 .399 2 4 15/16 8 1/8 OK OK OK OK OK OK OK 4 7/8 9 1/4 2 1/2 OK OK OK NONE OK G3 89 Χ .405 .425 .428 2 4 11/16 10 3/4 OK OK OK OK NONE OK 4 5/8 7 5/8 OK NONE OK G3 .414 .405 OK 2 1/2 OK OK 90 .430 .450 .462 .458 .430 7 3/4 11 5/8 OK OK OK OK OK NONE OK 4 3/4 7 7/8 2 1/2 OK OK OK NONE OK G3 91 .428 .432 .454 .463 .428 2 4 7/8 10 1/8 OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK NONE OK G3 94 .457 .481 .483 .457 .467 2 9 1/8 OK OK OK OK OK OK 9 1/2 2 1/2 OK OK NONE OK G3 OK OK Х .462 2 OK OK 95 458 470 .458 461 OK OK OK ΟK OK OK OK 2 7/16 ΟK OK NONE 9 3/8 10 G3 .450 .462 .473 .477 .450 2 9 1/4 OK 9 1/2 2 7/16 NONE OK G3 OK OK OK OK OK OK OK OK OK .432 .432 .441 .447 2 10 OK OK OK NONE OK 7 3/8 2 1/8 OK OK NONE OK G3 100 Χ .439 OK OK 4 15/16 OK 102 Х .432 .451 .418 0 10 1/2 NONE OK NONE OK 418 446 OK OK OK OK OK OK 7 1/8 2 1/8 OK OK G3 NONE 103 .440 .448 .440 .462 .453 2 4 7/8 9 3/8 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK OK G3 .405 .405 .415 .413 .421 11 3/4 OK OK OK NONE 4 15/16 7 1/2 2 1/8 OK OK NONE OK 104 OK OK OK OK G3 107 Χ .411 .437 .418 .443 .411 0 4 15/16 9 5/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK G3 108 .399 .399 .405 .425 .414 0 4 5/8 10 OK OK OK OK OK NONE OK 4 5/8 2 9/16 OK OK OK NONE OK G3 109 .463 .472 .481 .481 .463 9 1/8 OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE OK G3 .434 .434 .456 4 15/16 10 1/4 NONE 4 15/16 7 2 7/16 NONE 110 Х .460 .457 2 OK G3 7 3/4 111 Х 4 11/16 OK NONE 4 11/16 NONE OK .400 .408 .403 .400 .461 9 7/8 OK OK OK OK OK 2 9/16 OK OK OK G3 NONE OK 113 .391 .410 .418 .391 .403 4 5/8 10 1/4 OK OK OK OK OK NONE OK 5/8 2 9/16 OK OK OK 7 1/8 NONE 114 .421 .436 .432 .448 .421 4 3/4 11 7/8 OK OK OK OK OK NONE OK 4 3/4 2 1/2 OK OK OK OK 116 .436 .462 .461 .486 .436 9 1/8 OK OK OK OK OK OK 2 7/16 OK OK NONE OK G3 2 121 Χ .479 .479 .480 .482 .483 9 1/2 OK OK OK OK OK OK OK 10 2 7/16 OK OK OK NONE OK G3 122 .428 .428 .444 .432 .450 2 4 15/16 10 5/8 OK OK OK OK OK NONE OK 4 15/16 7 5/8 2 1/8 OK OK OK NONE OK G3 Χ 2 9 1/4 NONE 4 15/16 2 7/16 NONE 123 .452 .460 .463 .461 .452 OK G3 .466 .473 .488 2 2 7/16 NONE OK 124 Х 466 .482 OK OK OK OK OK OK OK 9 1/2 OK OK OK G3 .429 4 15/16 8 1/4 OK BAD OK 4 7/8 NONE OK G3 125 .405 .488 .423 405 OK OK OK OK 2 1/2 OK OK OK 7 1/8 127 .445 .449 .452 .458 .445 4 3/4 OK OK OK OK OK NONE OK 4 3/4 2 1/2 OK OK OK NONE OK G3 9 7/8 128 Х .403 .472 .408 .403 .425 2 4 15/16 OK OK OK OK OK OK OK 4 15/16 2 7/16 OK OK OK NONE OK G3 NONE 129 .445 .477 .470 .445 .486 2 9 1/4 OK OK OK OK OK OK OK 10 2 7/16 OK OK OK OK G3 7 1/2 130 .439 .470 .468 .441 .439 4 3/4 OK OK OK NONE OK 4 3/4 2 1/2 OK OK OK NONE OK 7 1/8 .468 .473 .480 .475 468 4 3/4 6 1/4 OK OK OK OK OK OK OK 4 11/16 2 1/8 OK OK OK NONE OK 131 132 .462 .478 .484 462 .471 2 9 1/8 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE OK G3 133 .479 .485 .480 .479 .487 2 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE OK G3 .457 0 4 3/4 11 OK 4 11/16 7 3/8 NONE G3 134 Χ .445 .466 .445 .498 OK OK OK OK NONE OK 2 11/16 OK OK OK OK 9 7/8 135 Χ .419 .417 .415 .419 4 11/16 OK OK OK OK OK NONE OK 4 5/8 9 1/4 2 1/2 OK OK NONE OK G3 .415 OK .478 .478 .493 .490 482 9 1/4 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK 138 .443 .461 .451 .460 .443 0 4 15/16 9 1/2 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3 141 Χ .433 .441 .433 .473 .458 4 15/16 9 1/2 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 142 .410 .410 .429 .442 .440 2 4 7/8 6 1/4 OK OK OK OK OK OK OK 4 7/8 7 5/8 2 7/16 OK OK OK NONE OK G3 147 .399 .399 4 5/8 OK NONE 4 5/8 8 1/2 2 9/16 NONE OK .408 .415 .412 2 9 1/2 OK OK OK OK OK OK OK OK G3 .488 .441 .492 .486 OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK 148 .441 7 3/8 150 Х 418 420 .461 .418 .455 2 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 7/8 2 7/16 ΟK OK OK NONE OK G3 4 15/16 NONE 151 .428 .480 .476 .428 .439 2 9 3/8 OK OK OK OK OK NONE OK 4 15/16 7 3/8 2 7/16 OK OK OK OK G3 153 .439 .441 .439 .442 2 OK OK ОК OK OK OK OK 9 1/2 2 1/2 OK OK OK NONE OK G3 .453 154 X .405 .431 .444 .405 2 4 15/16 9 1/2 OK OK OK NONE 4 15/16 2 7/16 OK OK NONE OK G3 .450 OK OK OK OK 155 .417 .435 .441 .422 .417 1 4 3/4 9 5/8 OK OK OK OK OK NONE OK 4 3/4 8 5/8 2 1/2 OK OK OK NONE OK G3 .407 .456 .423 .407 .421 4 11/16 9 5/8 OK OK OK NONE OK 4 11/16 9 1/2 2 1/2 OK OK OK NONE OK G3 .460 .467 .460 2 OK 158 .470 .466 9 3/8 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE G3 159 Х .456 .480 .471 456 .477 2 9 1/4 OK OK OK OK OK OK OK 8 7/8 2 3/4 OK OK OK NONE OK G3 160 .377 .481 .408 .490 .377 9 3/8 OK OK OK OK OK OK OK 10 2 7/16 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 19 of 35 **ELECTRO-LOG** ULTRASONIC CONT CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH ΙD RAND COND # Wear Dam. Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE WIDTH DIA LGTH G3 162 .461 .462 .487 .481 .461 OK OK OK 2 7/16 OK NONE OK 163 .445 .450 .445 .482 .466 2 4 3/4 12 OK OK OK OK NONE 4 3/4 10 1/8 2 1/8 OK OK OK NONE OK G3 OK OK 164 Χ 431 455 .431 448 450 2 9 5/8 OK OK ΟK ΟK ΟK NONE OK 4 15/16 2 1/8 ΟK OK OK NONE OK G3 165 .444 .467 .450 .460 .444 9 1/2 OK OK NONE OK 4 11/16 2 1/2 OK NONE OK G3 OK OK OK OK OK 168 .453 .470 .453 .462 .468 2 9 1/4 OK OK OK OK 8 3/4 2 1/8 OK OK OK NONE OK OK OK OK 169 Х 452 464 .453 471 .452 0 9 3/8 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 170 .415 .418 .462 .460 .415 0 4 5/8 9 1/4 OK OK OK OK OK NONE OK 4 7/8 7 7/8 2 9/16 OK OK OK NONE OK G3 171 .436 .474 .436 .438 .474 0 OK OK OK OK OK OK OK 10 2 7/16 OK OK OK NONE OK G3 9 1/4 172 Χ .485 .468 .475 0 OK OK OK 9 3/8 2 7/16 OK NONE OK G3 .468 .490 OK OK OK OK OK OK 173 .470 .488 .485 .470 .478 0 9 1/4 OK OK OK OK OK OK OK 10 2 7/16 OK OK OK NONE OK G3 174 .456 .456 .481 .460 .466 9 1/4 OK OK OK OK OK OK OK 10 2 7/16 OK OK NONE OK G3 175 .428 .428 .454 .466 4 15/16 9 1/2 OK OK OK OK NONE OK 4 7/8 7 1/2 2 7/16 OK OK NONE OK G3 .462 OK OK Х OK OK 177 380 410 .396 .380 390 Ω 4 5/8 OK OK OK ΟK OK NONE OK 4 5/8 9 1/4 2 9/16 ΟK OK NONE 9 3/8 G3 .432 4 11/16 4 11/16 7 3/8 NONE OK G3 178 .386 .403 .410 .386 2 6 3/8 OK OK OK OK OK F OK 2 1/2 OK OK OK 179 .452 .467 .453 .457 .452 OK OK OK OK OK 7 1/8 2 1/8 OK OK NONE OK G3 Х 4 3/4 OK OK 4 3/4 OK 180 Х .464 .442 .450 .431 2 4 15/16 OK NONE 4 15/16 OK NONE OK 431 10 3/8 OK OK OK OK OK 7 1/16 2 7/16 OK OK G3 NONE 181 .421 .421 .431 .435 .430 2 4 11/16 OK OK OK OK OK NONE OK 4 11/16 7 3/4 2 1/2 OK OK OK OK G3 .378 .412 .415 4 7/8 OK OK OK OK NONE 4 7/8 7 3/8 2 7/16 OK OK OK NONE OK 182 .390 .378 9 5/8 OK OK G3 184 Χ .429 .429 .438 .440 .458 2 4 3/4 12 OK OK OK OK OK NONE OK 4 11/16 7 1/2 2 1/2 OK OK OK NONE OK G3 185 .460 .486 .493 .491 .460 2 9 1/4 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE OK G3 186 .421 .421 .443 .452 .458 4 3/4 9 1/4 OK OK OK OK NONE OK 4 11/16 7 1/8 2 9/16 OK OK OK NONE OK G3 .427 2 7 3/8 NONE 187 Х .491 .489 .450 .427 9 3/4 OK OK OK OK OK NONE OK 2 1/8 OK OK OK OK G3 Х .454 0 OK OK NONE OK 189 .454 .461 .468 .462 OK OK OK OK OK 2 7/16 OK OK OK G3 .456 4 11/16 9 1/8 NONE 7 1/4 NONE OK 190 .432 .444 .439 432 OK OK OK OK OK OK 4 5/8 2 1/8 OK OK OK NONE 194 .425 .425 .460 .451 .441 4 15/16 10 1/2 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK OK G3 7 1/2 196 .437 .459 .437 .450 .444 4 3/4 8 1/8 OK OK OK OK OK OK 4 11/16 2 1/8 OK OK OK NONE OK G3 197 Χ .422 .440 .422 .432 .441 2 8 1/4 OK OK OK OK OK OK OK 8 7/8 2 7/16 OK OK OK NONE OK G3 198 .415 .438 .427 .415 .430 4 15/16 8 1/8 OK OK OK OK OK OK OK 4 15/16 9 3/8 2 1/2 OK OK OK NONE OK G3 9 7/8 Х 0 9 1/8 NONE 200 .455 .462 .464 .461 .455 OK OK OK OK OK OK OK 2 7/16 OK OK OK OK G3 .400 .425 462 4 11/16 NONE 4 5/8 7 7/8 NONE OK 201 Х .400 .404 2 9 1/2 OK OK OK OK OK OK 2 9/16 OK OK OK G3 .439 .465 .439 .444 OK NONE 9 7/8 NONE OK 453 OK OK OK OK OK 2 1/2 OK OK OK G3 205 .460 .472 .460 .477 .466 4 15/16 9 3/8 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 2 9/16 207 Х .431 .446 .431 .454 .440 0 4 15/16 6 1/8 OK OK OK OK OK FLUSH OK 4 15/16 OK OK OK NONE OK G3 4 15/16 NONE 210 .442 .466 .442 454 .475 2 4 7/8 10 1/8 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK G3 215 .430 .455 .430 .467 .449 8 5/8 OK OK OK OK OK 2 7/16 OK OK OK NONE OK 9 1/2 .444 .469 .473 .444 452 4 15/16 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK 216 217 .445 .445 .466 450 .478 2 4 15/16 10 5/8 OK OK OK OK OK NONE OK 4 15/16 7 5/8 2 7/16 OK OK OK NONE OK G3 219 Χ .431 .449 .453 .434 .431 2 4 15/16 10 5/8 OK OK OK OK OK NONE OK 4 7/8 7 3/8 7/16 OK OK OK NONE OK G3 .422 2 4 7/8 NONE G3 223 Х .411 .431 .411 .424 7 5/8 OK OK OK OK OK BAD OK 9 3/8 2 7/16 OK OK OK OK 224 Х .426 .418 .438 2 8 1/4 OK OK OK OK OK OK OK 4 15/16 9 1/8 2 1/2 OK OK NONE OK G3 .418 .420 OK 225 .432 .437 .432 .453 449 8 3/8 OK OK OK OK OK OK OK 9 3/4 2 7/16 OK OK OK NONE OK 226 .463 .463 .486 .473 .468 9 1/4 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 227 Χ .400 .424 .421 .400 .432 4 15/16 9 OK OK OK OK OK OK OK 4 15/16 9 1/4 2 7/16 OK OK OK NONE OK G3 228 .407 .437 .423 .418 .407 2 6 7/8 OK OK OK OK OK OK OK 9 1/2 2 1/2 OK OK OK NONE OK G3 .476 4 15/16 9 3/8 NONE 4 15/16 7 7/8 2 7/16 NONE OK 229 .443 .480 .443 .462 0 OK OK OK OK OK OK OK OK OK G3 .394 .418 .403 .394 4 5/8 9 3/4 OK OK OK OK NONE OK 4 5/8 2 9/16 OK OK OK NONE OK 231 .405 232 Х 453 .464 .461 470 .453 Ω 9 1/8 OK OK OK OK OK OK OK 2 7/16 ΟK OK OK NONE OK G3 .447 NONE NONE 233 .429 .460 .456 .429 0 4 15/16 9 1/4 OK OK OK OK OK OK 4 15/16 2 7/16 OK OK OK OK G3 234 .452 .476 .452 .470 4 15/16 9 1/2 OK OK ОК OK OK NONE 4 15/16 2 7/16 OK OK OK NONE OK G3 .468 OK X .438 .445 .438 .447 .453 2 4 15/16 OK OK OK NONE 4 15/16 2 7/16 OK OK NONE OK G3 236 10 1/4 OK OK OK OK 237 .450 .462 .450 .471 .466 4 15/16 9 1/2 OK OK OK OK OK NONE OK 4 15/16 7 1/8 2 7/16 OK OK OK NONE OK G3 .428 .460 .433 .441 .428 4 15/16 9 1/2 OK OK OK NONE 4 15/16 2 7/16 OK OK OK NONE OK G3 .422 .448 .422 .451 .424 2 4 3/4 10 1/8 4 11/16 7 3/8 2 1/8 OK 243 OK OK OK OK OK NONE OK OK OK OK NONE G3 244 Х .452 .461 .452 .470 .483 2 4 7/8 9 3/8 OK OK OK OK OK NONE OK 4 7/8 2 7/16 OK OK OK NONE OK G3 249 .395 .404 .420 .395 .426 0 4 7/8 9 1/2 OK OK OK OK OK NONE OK 7/8 2 7/16 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 20 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH ΙD BAND COND # Wear Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE WIDTH DIA LGTH 7 3/8 G3 250 .421 .475 .463 .438 .421 0 4 15/16 OK NONE OK 4 7/8 OK NONE OK 10 1/2 .451 .451 .471 .460 .453 1 4 7/8 OK OK OK OK NONE 4 15/16 7 1/8 2 7/16 OK OK OK NONE OK G3 251 OK OK 252 Χ .432 473 .464 .441 432 2 9 3/8 OK OK ΟK ΟK ΟK NONE OK 4 7/8 7 5/8 2 7/16 OΚ OK OK NONE OK G3 .442 .454 .460 .442 .467 0 9 1/4 OK OK OK 7 7/8 2 7/16 OK NONE OK G3 253 OK OK OK OK OK OK .469 .475 .469 .471 .483 OK OK OK OK OK 9 3/8 2 7/16 OK OK OK NONE OK 254 OK OK 9 3/8 255 461 483 479 474 461 2 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 256 .445 .445 .453 .460 .456 2 9 3/8 OK OK OK OK OK OK OK 9 1/8 7/16 OK OK OK NONE OK G3 7 3/4 257 .412 .412 .417 .429 .423 2 4 11/16 10 OK OK OK OK OK NONE OK 4 11/16 2 1/2 OK OK OK NONE OK G3 258 Χ .451 .451 .466 .452 .463 1 8 7/8 OK OK OK 9 1/2 OK NONE OK G3 OK OK OK OK 2 7/16 OK OK 259 .459 .460 .469 .478 .459 9 1/4 OK OK OK OK OK OK OK 9 3/8 2 7/16 OK OK OK NONE OK G3 260 .467 .476 .482 .467 .471 2 9 1/4 OK OK OK OK OK OK 9 7/8 2 7/16 OK OK NONE OK G3 OK .408 .414 .408 2 4 7/8 10 1/2 OK OK OK NONE OK 4 13/16 2 1/8 OK OK NONE OK G3 263 .410 .439 OK OK OK .468 OK OK 264 X 423 423 471 439 Ω 9 1/4 OK OK OK ΟK OK OK 2 7/16 ΟK OK NONE OK G3 .400 .425 0 4 15/16 6 7/8 OK 4 15/16 8 13/16 2 7/16 NONE OK G3 265 .412 .400 .404 OK OK OK OK OK OK OK OK OK .459 .459 .463 0 9 1/4 OK OK OK OK OK NONE OK G3 266 .464 .483 OK OK OK OK 9 3/8 2 7/16 OK Х .484 .477 .492 0 OK OK NONE OK 267 468 468 8 1/2 OK OK OK OK OK OK 9 7/8 2 7/16 OK OK G3 NONE 269 .419 .427 .439 .428 .419 6 1/2 OK OK OK OK OK OK OK 4 15/16 9 1/2 2 9/16 OK OK OK OK G3 .462 .486 .472 9 1/8 OK OK OK OK 9 3/8 2 7/16 OK OK NONE OK 270 .460 .460 OK OK OK OK G3 271 Χ .473 .483 .478 .473 .481 0 9 3/8 OK OK OK OK OK OK OK 9 1/2 2 7/16 OK OK OK NONE OK G3 272 X .432 .435 .432 .449 .433 0 4 11/16 9 1/2 OK OK OK OK OK NONE OK 4 11/16 8 1/8 2 7/16 OK OK OK NONE OK G3 .433 .464 .433 .478 .490 OK OK OK OK 7 7/8 2 7/16 OK OK OK NONE OK G3 OK .416 2 4 5/8 9 5/8 OK 5/8 NONE 274 Х .392 .400 .398 .392 OK OK OK OK NONE OK 2 7/16 OK OK OK OK G3 Х 2 OK 2 7/16 NONE OK 275 .456 .468 .456 .470 .473 8 1/8 OK OK OK OK OK OK 10 OK OK OK G3 .466 NONE OK 276 .434 .470 .434 .478 0 9 1/4 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE 277 .431 .471 .447 .431 .449 0 8 3/8 OK OK OK OK OK OK OK 9 11/16 2 7/16 OK OK OK OK G3 278 .447 .447 .456 459 .472 9 1/8 OK OK OK OK OK OK OK 2 7/16 OK OK NONE OK G3 279 Χ .458 .458 .477 .480 .476 2 8 7/8 OK OK OK OK OK OK OK 10 2 7/16 OK OK OK NONE OK G3 280 .432 .459 .440 .451 .432 2 5 7/8 OK OK OK OK OK OK OK 2 9/16 OK OK OK NONE OK G3 7 3/4 Χ 9 7/8 NONE 2 9/16 NONE 281 .394 .404 .394 .471 .425 4 11/16 OK OK OK OK OK OK 4 11/16 OK OK OK OK G3 .456 .423 4 15/16 NONE 4 15/16 NONE OK 282 Х .417 .429 .417 2 OK OK OK OK OK OK 8 1/8 2 1/8 OK OK OK G3 .425 .425 .434 .440 467 2 4 15/16 OK NONE 4 7/8 NONE OK G3 285 9 1/2 OK OK OK OK OK 2 7/16 OK OK OK 9 1/2 286 .432 .460 .455 .462 .432 9 1/4 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 287 Х .470 .470 .480 .474 471 9 1/4 OK OK OK OK OK OK OK 9 15/16 2 7/16 OK OK OK NONE OK G3 8 15/16 NONE 289 .455 .470 .455 .464 .462 2 9 1/4 OK OK OK OK OK OK OK 2 7/16 OK OK OK OK G3 292 .464 .480 .473 464 .470 9 1/8 OK OK OK OK OK 2 7/16 OK OK OK NONE OK 10 3/8 .436 .467 .451 .454 436 4 15/16 OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK 293 OK 294 .458 .460 .472 .480 .458 0 9 1/4 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE OK G3 295 Х .451 .458 .462 .451 .459 0 7 7/8 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 10 .473 4 15/16 4 15/16 8 NONE G3 296 Χ .436 .449 .436 .475 0 9 5/8 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK 2 7/16 297 Х .436 .494 .472 0 9 3/8 OK OK OK OK OK OK OK 10 OK OK NONE OK G3 436 .478 OK .440 .451 .476 .440 467 8 3/4 OK OK OK OK OK OK OK 9 3/16 2 7/16 OK OK OK NONE OK 299 .443 .461 .451 .443 .473 2 10 1/4 OK OK OK OK OK NONE OK 7 1/8 2 7/16 OK OK OK NONE OK G3 2 9 1/4 7 7/8 300 Χ .446 .446 .455 .462 .450 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 301 .468 .474 .470 .486 .468 2 9 3/8 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK NONE OK G3 .481 9 1/4 2 7/16 NONE OK 302 .452 .452 .464 467 2 OK OK OK OK OK OK OK 10 OK OK OK G3 .392 .392 .419 8 1/4 OK OK OK OK BAD OK 4 15/16 2 7/16 OK OK OK NONE OK 305 .410 .394 308 Х 398 .415 .424 398 .403 2 4 7/8 7 7/8 OK OK OK OK OK BAD ΟK 4 7/8 9 3/8 2 7/16 ΟK OK OK NONE OK G3 2 NONE 309 .429 .444 .440 .432 .429 4 3/4 11 5/8 OK OK OK OK OK NONE OK 4 11/16 8 9/16 2 7/16 OK OK OK OK G3 310 .460 .479 .463 .460 9 1/4 OK OK ОК OK OK OK OK 9 3/16 2 7/16 OK OK OK NONE OK G3 .468 X .409 .433 .416 .409 2 4 15/16 OK OK OK NONE 4 15/16 7 1/2 2 1/8 OK NONE OK G3 312 .438 OK OK OK OK OK 313 .394 .420 .394 .438 .414 1 4 11/16 9 7/8 OK OK OK OK OK NONE OK 4 11/16 8 1/4 2 9/16 OK OK OK NONE OK G3 .429 .437 .421 .404 OK OK OK FLUSH 2 7/16 OK OK OK NONE OK G3 .446 .446 .449 .467 .461 4 7/8 10 3/8 4 15/16 OK 315 0 OK OK OK OK OK NONE OK 2 7/16 OK OK OK NONE G3 317 Х .446 .474 .472 .479 .446 2 9 1/4 OK OK OK OK OK OK OK 9 1/2 2 7/16 OK OK OK NONE OK G3 321 .407 .430 .421 .418 .407 4 5/8 10 1/16 OK OK OK OK OK NONE OK 4 11/16 7 11/16 2 1/2 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 21 of 35 **ELECTRO-LOG** ULTRASONIC CONT CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH RAND COND # Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE ΙD WIDTH DIA LGTH G3 322 .431 .454 .431 .437 .440 2 4 7/8 OK NONE OK 4 15/16 8 1/16 2 7/16 OK NONE OK 323 .469 .472 .498 .469 .471 0 8 7/8 OK OK OK OK OK 8 3/4 2 7/16 OK OK OK NONE OK G3 OK OK 330 Χ 468 470 .468 473 476 9 1/4 OK OK ΟK ΟK OK ΟK OK 9 15/16 2 7/16 OΚ OK OK NONE OK G3 .446 .446 .450 .474 .479 4 15/16 9 3/8 OK NONE OK 4 15/16 2 7/16 OK NONE OK G3 331 OK OK OK OK OK OK 332 .424 .448 .437 .441 2 4 11/16 12 1/2 OK OK OK OK NONE OK 4 11/16 9 1/4 2 1/8 OK OK OK NONE OK .424 OK 333 456 470 468 456 .469 4 7/8 9 1/2 OK OK ΟK OK ΟK NONE OK 4 7/8 8 1/16 2 7/16 OK OK OK NONE OK G3 335 .383 .392 .398 .401 .383 4 5/8 10 1/4 OK OK OK OK OK NONE OK 4 5/8 7 1/4 9/16 OK OK OK NONE OK G3 336 .419 .432 .419 .440 .433 2 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 7/8 7 1/8 2 7/16 OK OK OK NONE OK G3 337 Χ .453 .467 .472 .453 .464 2 7 1/2 OK OK OK OK 9 15/16 NONE OK G3 OK OK OK 2 7/16 OK OK OK 338 .434 .440 .451 .434 .453 0 4 15/16 9 5/8 OK OK OK OK OK NONE OK 4 15/16 8 1/16 2 7/16 OK OK OK NONE OK G3 340 .396 .424 .417 .414 .396 4 7/8 6 3/4 OK OK OK OK OK OK OK 4 13/16 2 7/16 OK OK NONE OK G3 .454 .460 .473 .454 .469 OK OK OK OK OK OK OK NONE OK G3 341 8 5/8 OK OK 8 1/8 2 7/16 OK Х .423 .441 4 15/16 4 7/8 OK OK 342 418 434 418 2 9 3/4 OK OK OK ΟK OK NONE OK 7 1/8 2 1/8 ΟK OK NONE G3 .449 .462 .449 .470 2 7/16 NONE OK G3 343 454 0 9 1/8 OK OK OK OK OK OK OK 10 OK OK OK .400 .407 .433 2 9 7/8 OK OK NONE 7/8 2 7/16 OK OK NONE OK G3 347 .400 .425 4 7/8 OK OK OK OK OK 348 Х .444 .429 .416 2 NONE 4 7/8 OK NONE OK 413 413 4 7/8 9 1/2 OK OK OK OK OK OK 2 7/16 OK OK G3 NONE 349 .388 .392 .388 .403 .414 3 OK OK OK OK OK BAD OK 4 15/16 9 5/8 2 7/16 OK OK OK OK G3 .480 .475 .496 .467 9 1/8 OK OK NONE OK 9 1/2 2 7/16 OK OK NONE OK 350 .467 0 OK OK OK OK G3 351 Χ .426 .464 .476 .433 .426 0 4 15/16 9 3/4 OK OK OK OK OK NONE OK 4 7/8 7 1/4 2 7/16 OK OK OK NONE OK G3 352 .453 .469 .475 .453 .476 0 OK OK OK OK OK OK OK 9 3/8 2 7/16 OK OK OK NONE OK G3 353 .405 .405 .412 .417 .422 4 11/16 9 3/4 OK OK OK OK OK NONE OK 4 11/16 9 3/8 2 9/16 OK OK OK NONE OK G3 .480 .508 .482 9 1/4 9 7/8 NONE 354 .480 .500 1 OK OK OK OK OK OK OK 2 7/16 OK OK OK OK G3 Х 2 4 5/8 OK 4 5/8 NONE OK 355 390 .419 .390 .404 .698 9 3/4 OK OK OK OK NONE OK 8 1/8 2 7/16 OK OK OK G3 4 15/16 10 1/2 4 15/16 7 1/16 NONE OK 356 .408 .421 .416 .408 .473 OK OK OK OK OK NONE OK 2 1/8 OK OK OK NONE 357 .432 .474 .461 .432 .473 9 1/8 OK OK OK OK OK OK OK 7 7/8 2 7/16 OK OK OK OK 358 .448 .448 .462 .450 .473 4 15/16 9 1/8 OK OK OK OK OK NONE OK 4 15/16 7/16 OK OK OK NONE OK G3 ОК 359 .439 .457 .462 .449 .439 0 4 7/8 9 3/8 OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 360 .431 .449 .461 .440 .431 0 4 15/16 9 1/2 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3 Х 4 11/16 NONE 4 11/16 2 7/16 NONE 362 .384 .395 .384 .399 .401 9 3/8 OK G3 .414 422 4 7/8 NONE 4 7/8 NONE OK 363 Х .414 .418 .425 2 9 1/16 OK OK OK OK OK OK 8 1/2 2 1/8 OK OK OK G3 .421 .421 .446 .440 4 15/16 9 5/8 OK NONE 4 15/16 7 1/2 NONE OK 365 .469 OK OK OK OK OK 2 1/8 OK OK OK G3 367 .432 .459 .469 .432 .441 4 15/16 9 1/2 OK OK OK OK OK NONE OK 7 15/16 2 7/16 OK OK OK NONE OK G3 4 15/16 368 Х .436 .447 .454 .436 .458 0 4 15/16 9 3/8 OK OK OK OK OK NONE OK 7 1/4 2 7/16 OK OK OK NONE OK G3 4 7/8 NONE 369 .436 .436 .442 .451 .439 2 4 15/16 9 13/16 OK OK OK OK OK NONE OK 7 3/8 2 7/16 OK OK OK OK G3 371 .435 .435 .466 .453 .441 4 15/16 10 3/8 OK OK OK OK NONE OK 4 15/16 7 3/8 2 7/16 OK OK OK NONE OK 373 .409 .422 .428 .409 .410 4 5/8 9 3/4 OK OK OK OK OK NONE OK 4 5/8 2 1/2 OK OK OK NONE OK 375 .414 .435 .414 .425 .422 0 4 3/4 9 7/8 OK OK OK OK OK NONE OK 4 11/16 7 11/16 2 1/2 OK OK OK NONE OK G3 379 Х .455 .472 .480 .471 .455 2 9 3/8 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 .417 2 4 11/16 4 5/8 8 7/16 NONE G3 380 Χ .406 .419 .428 .406 9 3/4 OK OK OK OK OK NONE OK 2 1/2 OK OK OK OK 382 Х .402 .416 .436 .402 .421 4 5/8 9 1/2 OK OK OK OK OK NONE OK 4 5/8 8 5/8 2 7/16 OK OK NONE OK G3 OK .457 .463 .470 .457 466 9 1/2 OK OK OK OK OK OK OK 9 1/4 2 7/16 OK OK OK NONE OK 385 .423 .423 .444 .431 .440 2 9 1/2 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3 7 3/8 7 1/4 387 Χ .409 .414 .409 .420 .418 2 4 13/16 OK OK OK OK OK OK OK 4 13/16 2 9/16 OK OK OK NONE OK G3 388 .424 .437 .449 .424 .438 0 10 1/2 OK OK OK OK OK NONE OK 7 3/16 2 7/16 OK OK OK NONE OK G3 4 3/4 10 3/4 NONE 4 11/16 7 11/16 NONE OK 389 .420 .446 .425 .420 .441 2 OK OK OK OK OK 2 5/8 OK OK OK G3 .392 .394 .417 .392 4 13/16 10 3/4 OK OK OK OK NONE 4 13/16 7 1/16 OK OK OK NONE OK 390 .401 OK 9/16 7 9/16 391 Х 399 .420 .430 399 .414 1 4 13/16 10 OK OK OK OK OK NONE ΟK 4 13/16 2 7/16 ΟK OK OK NONE OK G3 4 13/16 10 1/8 4 13/16 NONE 392 .420 .454 .420 .433 .427 OK OK OK OK OK NONE OK 2 9/16 OK OK OK OK G3 393 .450 .472 .450 .484 8 7/8 OK OK ОК OK OK OK OK 8 1/16 2 1/8 OK OK OK NONE OK G3 .463 X .428 .431 .428 .447 .462 2 4 13/16 10 3/16 OK OK OK NONE 4 13/16 7 5/8 2 9/16 OK OK NONE OK G3 394 OK OK OK OK 396 .404 .419 .426 .404 .413 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 13/16 7 1/8 2 9/16 OK OK OK NONE OK G3 .389 .403 .397 .389 .405 4 13/16 OK OK OK NONE 4 13/16 7 11/16 2 9/16 OK OK OK NONE OK G3 .412 .433 4 13/16 OK 4 13/16 7 1/8 OK 403 .409 .409 .418 0 9 3/8 OK OK OK OK NONE OK 2 7/16 OK OK OK NONE G3 405 Х .412 .437 .428 .417 .412 0 4 13/16 10 5/16 OK OK OK OK OK NONE OK 4 13/16 7 1/8 2 9/16 OK OK OK NONE OK G3 406 .404 .407 .404 .421 .414 0 4 13/16 9 1/4 OK OK OK OK OK NONE OK 3/4 2 7/16 OK OK OK NONE OK G3

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BAND COND OΠ SPACE WIDTH DIA LGTH 2 G3 407 .440 .440 .453 .444 .460 OK OK OK OK NONE OK 411 .411 .434 .418 .411 .417 1 4 7/8 7 1/4 OK OK OK OK 4 13/16 7 3/4 2 9/16 OK OK OK NONE OK G3 OK OK OK 412 Х .420 441 420 426 424 6 7/8 OK OK OK ΟK OK ΟK OK 4 13/16 7 3/16 OΚ OK OK NONE OK G3 413 .430 .430 .444 .438 4 11/16 9 1/16 OK NONE OK 4 3/4 7 3/4 2 9/16 OK NONE OK G3 .432 OK OK OK OK OK OK .415 .442 .439 .421 .415 4 7/8 9 7/8 OK OK OK OK NONE OK 4 13/16 7 3/4 2 1/2 OK OK OK NONE OK 414 OK 415 413 .451 434 .413 .422 2 4 13/16 10 3/8 OK OK ΟK OK ΟK NONE OK 4 13/16 7 11/16 2 9/16 OK OK OK NONE OK G3 416 .449 .462 .454 .449 .453 OK OK OK OK OK OK OK 9 3/8 1/8 OK OK OK NONE OK G3 417 .428 .446 .428 .450 .431 2 4 7/8 9 7/8 OK OK OK OK OK NONE OK 4 7/8 2 7/16 OK OK OK NONE OK G3 418 Χ .433 .470 .433 .441 1 7 7/8 OK OK OK OK 8 1/2 2 1/8 NONE OK G3 .474 OK OK OK OK OK OK 419 .419 .453 .448 .427 .419 9 1/8 OK OK OK OK OK NONE OK 4 15/16 7 7/8 2 1/8 OK OK OK NONE OK G3 420 .444 .452 .444 .461 .450 2 9 OK OK OK OK OK OK 2 1/8 OK OK NONE OK G3 OK 421 .442 .477 .464 .442 .451 9 1/8 OK OK OK OK OK OK 9 15/16 2 1/8 OK OK NONE OK G3 OK OK Х 2 OK OK 422 .405 433 420 .405 416 4 7/8 6 13/16 OK OK OK ΟK OK OK ΟK 4 7/8 8 1/4 2 9/16 ΟK OK NONE G3 424 .394 .394 .417 .412 4 13/16 NONE OK 4 3/4 7 1/16 2 9/16 NONE OK G3 .420 0 9 5/8 OK OK OK OK OK OK OK OK .405 0 OK OK 2 7/16 OK OK NONE OK G3 425 .400 .402 .410 .400 4 13/16 6 1/16 OK OK OK OK OK 4 13/16 OK 427 Х .437 .463 .459 0 OK NONE OK 437 462 OK OK OK OK OK OK ΟK 10 2 1/8 OK OK G3 NONE 429 .399 .415 .406 .399 .417 2 4 13/16 9 7/16 OK OK OK OK OK NONE OK 4 7/8 7 1/16 2 7/16 OK OK OK OK G3 .455 .449 .433 .474 7 7/16 OK OK OK 9 7/8 2 1/8 OK OK NONE OK 430 .433 OK OK OK OK OK G3 431 Х .448 .448 .461 .456 .470 0 8 7/8 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 10 432 .450 .450 .462 .474 .455 0 7 1/2 OK OK OK OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK G3 433 .442 .451 .442 .460 .468 OK OK OK OK OK 9 3/8 2 1/8 OK OK OK NONE OK G3 OK 7 3/4 .427 .436 .440 4 13/16 10 7/8 4 3/4 NONE 434 X .427 .430 2 OK OK OK OK OK NONE OK 2 5/8 OK OK OK OK G3 9 7/8 435 Х .477 0 OK NONE OK .464 .480 .464 .473 8 5/8 OK OK OK OK OK OK 2 1/8 OK OK OK G3 .472 NONE OK 438 .458 .465 .458 .463 7 9/16 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK 7 9/16 NONE 439 .416 .443 .432 .416 .424 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK OK G3 442 .441 .460 .466 .441 .450 OK OK OK OK OK 2 1/8 OK OK NONE OK G3 443 .400 .405 .432 .402 .400 2 4 13/16 10 1/16 OK OK OK OK OK NONE OK 4 13/16 7 1/8 2 9/16 OK OK OK NONE OK G3 445 .424 .449 .451 .443 .424 4 13/16 OK OK OK OK OK NONE OK 4 13/16 7 3/16 2 5/8 OK OK OK NONE OK G3 Χ 9 7/8 2 1/8 NONE 447 .443 .451 .443 .457 .462 9 1/16 OK G3 .424 .441 .433 2 4 13/16 10 1/16 NONE 4 13/16 2 7/16 NONE OK 449 Х .421 .421 OK OK OK OK OK OK OK OK OK G3 .391 .426 .391 .397 4 13/16 9 3/16 OK NONE 4 7/8 7 3/8 2 9/16 NONE OK 452 .400 OK OK OK OK OK OK OK OK G3 7 3/16 453 .435 .449 .444 .440 .435 10 3/8 OK OK OK OK OK NONE OK 2 1/8 OK OK OK NONE OK G3 4 7/8 4 7/8 454 Х .405 .419 .405 .445 .424 10 OK OK OK OK OK NONE OK 7 1/2 2 9/16 OK OK OK NONE OK G3 4 13/16 4 13/16 7 7/8 NONE 457 .421 .421 .436 .444 .441 2 10 1/2 OK OK OK OK OK NONE OK 2 9/16 OK OK OK OK G3 458 389 .392 .409 .389 391 4 5/8 9 5/8 OK OK OK OK NONE OK 4 5/8 8 5/8 2 9/16 OK OK OK NONE OK .423 .441 .432 .423 439 0 4 15/16 7 7/8 OK OK OK OK OK OK OK 9 1/16 2 7/16 OK OK OK NONE OK 459 460 .399 .411 .399 .404 .413 4 11/16 9 1/4 OK OK OK OK OK NONE OK 4 11/16 7 3/4 2 1/2 OK OK OK NONE OK G3 462 .427 .439 .432 .440 .427 2 4 11/16 9 3/4 OK OK OK OK OK NONE OK 4 11/16 7 5/8 2 7/16 OK OK OK NONE OK G3 .409 1 4 15/16 NONE G3 463 Χ .405 .428 .421 .405 OK OK OK OK OK OK OK 9 7/8 2 7/16 OK OK OK OK 464 Х .445 .445 .454 .453 4 7/8 10 1/2 OK OK OK OK OK NONE OK 13 1/4 7 3/8 2 7/16 OK OK NONE OK G3 .466 OK 465 .430 .448 .452 .430 .443 4 5/8 10 7/8 OK OK OK OK OK NONE OK 4 11/16 7 1/8 2 7/16 OK OK OK NONE OK 466 .414 .414 .421 .426 .434 3 4 15/16 12 OK OK OK OK OK NONE OK 4 15/16 7 7/8 2 7/16 OK OK OK NONE OK G3 468 Χ .424 .462 .470 .456 .424 4 15/16 10 5/16 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 7/16 OK OK OK NONE OK G3 469 .434 .440 .434 .451 .464 0 4 7/8 10 7/16 OK OK OK OK OK NONE OK 4 15/16 7 1/2 2 7/16 OK OK OK NONE OK G3 470 8 1/16 2 7/16 NONE OK .448 .429 .421 .417 2 OK OK OK OK OK OK OK 9 1/8 OK OK OK G3 .393 .398 .405 .393 4 15/16 7 7/8 OK OK OK FLUSH OK 4 7/8 9 5/8 7/16 OK OK OK NONE OK 471 .400 472 Х 440 .466 .471 .440 .453 2 4 15/16 10 1/2 OK OK OK OK OK NONE ΟK 4 7/8 7 5/16 2 7/16 ΟK OK OK NONE OK G3 .448 NONE 473 .448 .454 .469 .452 2 4 7/8 9 3/8 OK OK OK OK OK NONE OK 4 7/8 2 7/16 OK OK OK OK G3 7 1/2 474 Х .414 .423 .430 4 15/16 OK OK ОК OK OK OK OK 4 15/16 2 7/16 OK OK OK NONE OK G3 .419 .414 2 7/16 476 X .396 .396 .401 .418 .424 2 4 15/16 OK 4 7/8 9 5/8 OK OK NONE OK G3 8 1/4 OK OK OK OK OK OK OK 477 .459 .497 .467 .472 .459 0 4 7/8 9 1/4 OK OK OK OK OK NONE OK 4 7/8 2 7/16 OK OK OK NONE OK G3 478 .420 .397 .406 .414 4 7/8 8 3/8 OK OK OK BAD OK 7/8 2 7/16 OK OK OK NONE OK G3 480 .412 .431 .442 .412 4 15/16 8 3/4 OK .427 7 13/16 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE G3 482 Х .446 .468 .462 .446 .451 1 9 1/16 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 483 .393 .418 .423 .406 .393 OK OK OK OK OK OK OK 4 7/8 2 7/16 OK OK OK NONE OK G3 10

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 23 of 35 **ELECTRO-LOG** ULTRASONIC CONT CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH BAND COND ΙD BAND COND # Wear Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. OΠ SPACE WIDTH DIA LGTH G3 484 .422 .445 .422 .430 .428 1 OK OK OK 2 7/16 OK NONE OK 485 .426 .434 .443 .426 .436 1 8 1/4 OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 OK OK 487 Х 404 414 410 404 421 2 8 7/8 OK OK OK ΟK OK OK 4 7/8 8 1/2 2 7/16 OΚ OK OK NONE OK G3 .413 .442 .436 .420 .413 7 1/4 OK 4 15/16 9 3/16 2 7/16 OK NONE OK G3 488 OK OK OK OK OK OK OK OK .423 .434 .446 .423 .436 0 7 11/16 OK OK OK OK OK 4 15/16 9 3/8 2 7/16 OK OK OK NONE OK 489 OK OK 490 463 480 463 479 .464 Ω 4 15/16 9 3/8 OK OK ΟK OK OK NONE OK 4 7/8 8 1/16 2 7/16 OK OK OK NONE OK G3 492 .400 .400 .426 .419 .402 8 1/4 OK OK OK OK OK OK OK 9 3/8 7/16 OK OK OK NONE OK G3 493 .437 .448 .437 .440 .453 4 15/16 9 3/16 OK OK OK OK OK NONE OK 4 15/16 9 1/2 2 1/8 OK OK OK NONE OK G3 494 Х .447 .480 .462 .471 .447 2 4 15/16 9 3/8 OK OK NONE 4 7/8 2 7/16 OK NONE OK G3 OK OK OK OK OK OK 495 .394 .404 .394 .400 .397 0 OK OK OK OK OK OK OK 4 15/16 8 7/16 2 7/16 OK OK OK NONE OK G3 496 .393 .416 .393 .405 .411 4 11/16 9 7/8 OK OK OK OK NONE OK 4 5/8 7 5/8 2 9/16 OK OK NONE OK G3 497 .453 .481 .472 9 3/8 OK OK OK OK OK OK 10 OK OK NONE OK G3 .453 .466 OK 2 7/16 OK Х .421 .442 0 OK OK 499 413 413 436 8 1/4 OK OK OK ΟK OK OK ΟK 9 3/8 2 7/16 ΟK OK NONE G3 .426 .437 .441 .472 4 15/16 10 3/8 NONE OK 4 15/16 7 1/4 2 7/16 NONE OK G3 501 .426 OK OK OK OK OK OK OK OK .424 .442 .427 .424 7 1/2 OK OK 2 7/16 OK OK NONE OK G3 502 .440 OK OK OK OK OK OK Х .455 .460 .452 4 7/8 OK 7/8 OK NONE OK 503 436 436 1 9 3/8 OK OK OK OK OK NONE 2 7/16 ΟK OK G3 NONE 504 .405 .415 .437 .422 .405 1 8 1/16 OK OK OK OK OK OK OK 8 3/4 2 7/16 OK OK OK OK G3 .421 .414 .406 .438 8 1/8 OK OK OK 9 1/4 2 7/16 OK OK NONE OK 505 .406 OK OK OK OK OK G3 507 Χ 409 .440 .433 .415 .409 2 8 1/8 OK OK OK OK OK OK OK 9 5/8 2 7/16 OK OK OK NONE OK G3 513 .432 .451 .432 .443 .440 0 4 15/16 10 7/16 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 514 .384 .391 .384 .400 .410 7 5/16 OK OK OK OK OK OK 4 7/8 9 5/8 2 7/16 OK OK OK NONE OK G3 9 7/16 NONE 4 7/8 8 1/16 2 7/16 NONE 516 Х .453 .453 .463 .478 .460 1 4 7/8 OK G3 517 Х 4 11/16 OK NONE 4 11/16 2 1/2 NONE OK .424 .424 .436 .427 .432 9 7/8 OK OK OK OK OK OK OK OK G3 .428 4 15/16 2 7/16 NONE OK 519 .398 .403 .398 .423 8 7/8 OK 4 15/16 NONE 522 .433 .433 .445 .458 .453 0 4 15/16 10 1/4 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK G3 523 .421 .450 .428 .436 .421 0 9 3/8 OK OK OK OK NONE 4 15/16 2 7/16 OK OK NONE OK G3 524 .427 .432 .427 .441 .437 2 4 15/16 7 3/4 OK OK OK OK OK OK OK 4 15/16 8 1/4 2 1/2 OK OK OK NONE OK G3 526 .428 .445 .414 .448 2 OK OK OK OK OK OK OK 4 15/16 8 5/8 2 7/16 OK OK OK NONE OK G3 Χ 8 1/8 4 15/16 2 7/16 NONE 527 .430 .434 .446 .430 .439 OK G3 .425 .410 2 4 7/8 9 1/8 NONE 4 7/8 7 1/2 NONE OK 528 Х 399 .399 426 OK OK OK OK OK OK 2 1/8 OK OK OK G3 .420 .417 4 11/16 11 3/8 OK NONE 4 11/16 NONE OK 417 .417 .433 OK OK OK OK OK 9 5/8 2 1/2 OK OK OK G3 530 .376 .432 .412 .380 .376 2 4 15/16 OK OK OK OK OK FLUSH OK 4 7/8 9 3/8 2 7/16 OK OK OK NONE OK G3 531 Х .399 .399 .413 .426 .410 0 8 1/4 OK OK OK OK OK OK OK 9 1/8 2 7/16 OK OK OK NONE OK G3 NONE 533 .409 .447 .454 .426 .409 0 OK OK OK OK OK OK OK 9 1/4 2 7/16 OK OK OK OK G3 .403 .412 .424 .438 .403 7 1/2 OK OK OK OK OK OK OK 4 15/16 8 7/8 2 7/16 OK OK OK NONE OK 7 1/2 .428 .446 .450 .434 428 0 OK OK OK OK OK OK OK 4 15/16 9 1/2 2 7/16 OK OK OK NONE OK 535 536 .372 .372 .447 .423 .399 2 8 3/4 OK OK OK OK OK OK OK 9 3/4 2 7/16 OK OK OK NONE OK G3 7 1/4 537 Х .427 .465 .450 .444 .427 0 4 15/16 9 1/2 OK OK OK OK OK NONE OK 4 7/8 2 7/16 OK OK OK NONE OK G3 .429 .453 4 15/16 4 15/16 NONE G3 538 Χ .429 .461 .436 2 9 1/2 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK 2 7/16 541 Х .449 .453 .463 .450 4 15/16 9 3/8 OK OK OK OK OK NONE OK 4 15/16 OK OK OK NONE OK G3 449 .424 .443 .440 .424 458 4 3/4 12 5/8 OK OK OK OK OK NONE OK 4 3/4 2 1/8 OK OK OK NONE OK 543 .423 .450 .423 .441 .447 8 1/8 OK OK OK OK OK OK OK 9 5/16 2 7/16 OK OK OK NONE OK G3 544 Χ .433 .456 .433 .440 .453 0 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 545 .426 .426 .431 .442 .434 4 11/16 10 5/16 OK OK OK OK OK NONE OK 4 11/16 7 11/16 2 7/16 OK OK OK NONE OK G3 .452 4 15/16 OK FLUSH 4 15/16 2 9/16 NONE OK 546 .472 .452 .495 .480 OK OK OK OK OK OK OK G3 .424 .424 .432 .440 .435 4 7/8 9 5/8 OK OK OK OK NONE 4 7/8 2 7/16 OK OK OK NONE OK 547 OK 548 Х 440 .455 .440 .450 .447 Ω 4 15/16 9 1/8 OK OK OK OK OK NONE ΟK 4 15/16 2 7/16 ΟK OK OK NONE OK G3 4 11/16 NONE NONE 549 .414 .414 .446 .438 .427 2 10 OK OK OK OK OK OK 4 11/16 7 3/4 2 1/2 OK OK OK OK G3 7 7/16 550 .406 .421 .415 0 4 7/8 OK OK ОК OK OK FLUSH 4 15/16 9 7/16 2 7/16 OK OK OK NONE OK G3 .424 .406 OK 551 X .454 .478 .454 .468 .455 2 4 7/8 OK OK OK NONE 4 7/8 2 7/16 OK NONE OK G3 9 1/4 OK OK OK OK OK 552 .407 .415 .407 .419 .410 0 8 3/8 OK OK OK OK OK OK OK 4 15/16 9 1/2 2 7/16 OK OK OK NONE OK G3 553 .417 .454 .436 .441 4 15/16 10 1/2 OK OK OK NONE 4 15/16 7 3/8 2 7/16 OK OK OK NONE OK G3 .395 .407 .4123 2 4 11/16 5/8 7 3/4 OK 555 .395 .415 9 7/8 OK OK OK OK OK NONE OK 2 9/16 OK OK OK NONE G3 556 Х .387 .402 .392 .387 .390 2 4 7/8 OK OK OK OK OK BAD OK 4 7/8 9 7/8 2 1/2 OK OK OK NONE OK G3 557 .398 .423 .398 .431 .428 2 7 5/16 OK OK OK OK OK OK OK 4 15/16 9 1/2 2 1/2 OK OK OK NONE OK G3

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BAND COND OΠ SPACE WIDTH DIA LGTH 2 G3 558 .421 .432 .446 .454 .421 10 1/4 OK NONE OK 7 5/8 OK NONE OK 9 3/8 .407 .410 .418 .423 .407 2 4 15/16 OK OK OK OK NONE OK 7 1/4 2 1/8 OK OK OK NONE OK G3 559 OK 560 Χ 430 443 456 430 442 9 1/8 OK OK ΟK ΟK OK NONE OK 7 3/8 2 1/8 ΟK OK OK NONE OK G3 7 1/8 .436 .447 .436 .444 .448 4 15/16 10 1/8 OK OK OK NONE OK OK NONE OK G3 562 OK OK 2 1/8 OK OK .413 .428 .437 .413 .422 4 15/16 9 3/8 OK OK OK OK NONE OK 4 15/16 7 1/8 2 1/8 OK OK OK NONE OK 563 OK 564 411 419 .411 .423 .437 4 15/16 10 3/8 OK OK ΟK OK OK NONE OK 4 15/16 7 1/8 2 1/8 OK OK OK NONE OK G3 565 .418 .445 .418 .423 .435 4 15/16 10 1/4 OK OK OK OK OK NONE OK 7 1/4 1/8 OK OK OK NONE OK G3 566 .419 .432 .423 .419 .424 4 15/16 10 1/4 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3 567 Χ .430 .438 .441 .458 .430 9 7/8 OK OK NONE 4 15/16 7 3/8 2 1/8 NONE OK G3 4 15/16 OK OK OK OK OK OK OK 568 .436 .442 .438 .455 .436 10 1/8 OK OK OK OK OK NONE OK 7 1/8 2 1/8 OK OK OK NONE OK G3 569 .395 .433 .395 .420 .418 4 15/16 10 3/8 OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK NONE OK G3 .408 .415 .457 .408 .435 10 3/8 OK OK OK NONE OK 7 1/4 OK OK NONE OK G3 570 OK OK 1/8 OK Х .402 .421 OK OK 571 400 416 400 Ω 4 15/16 10 1/2 OK OK OK ΟK OK NONE OK 7 1/4 2 1/8 ΟK OK NONE G3 .426 .415 .427 4 15/16 10 3/8 NONE OK 7 1/8 NONE OK G3 572 .415 .432 0 OK OK OK OK OK 2 1/8 OK OK OK 573 .388 .390 .388 .408 OK OK NONE OK 7 1/4 2 1/8 OK OK NONE OK G3 .414 0 4 15/16 10 3/8 OK OK OK OK 575 Х .415 .420 .436 2 NONE OK 7 3/8 OK NONE OK 415 417 4 15/16 9 5/8 OK OK OK OK OK 2 1/8 OK OK G3 NONE 576 .432 .451 .432 .440 .452 2 10 3/8 OK OK OK OK OK NONE OK 7 1/8 2 1/8 OK OK OK OK G3 .428 .445 .454 .428 10 1/2 OK OK NONE OK 2 1/8 OK OK NONE OK 578 .432 OK OK OK OK G3 7 1/4 579 Χ .427 .454 .446 .436 .427 2 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3 580 .425 .431 .425 .433 .446 2 9 3/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK G3 581 .406 .431 .406 .419 .423 9 5/8 OK OK OK OK NONE OK 4 15/16 7 3/8 2 1/8 OK OK OK NONE OK G3 .428 .428 .434 .445 .431 2 7 1/8 NONE 582 Х 9 3/4 OK OK OK OK OK NONE OK 2 1/8 OK OK OK OK G3 10 3/8 Х .437 .441 2 4 15/16 OK NONE 7 1/4 NONE OK 583 .430 .443 .430 OK OK OK OK OK 2 1/8 OK OK OK G3 .422 9 1/8 NONE 4 15/16 7 1/4 NONE OK 585 .408 .412 .416 408 4 15/16 OK OK OK OK OK OK 2 1/8 OK OK OK 7 1/4 NONE 586 .428 .448 .440 .428 .436 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK OK G3 587 .424 .429 .439 .436 .424 4 15/16 9 5/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK G3 588 .418 .420 .418 .430 .427 3 4 15/16 10 3/8 OK OK OK OK OK NONE OK 7 1/4 2 1/8 OK OK OK NONE OK G3 589 .399 .405 .399 .418 .411 4 15/16 9 1/4 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK G3 7 1/4 Х 4 15/16 NONE 4 15/16 NONE 590 .416 .433 .440 .423 .416 9 1/2 OK OK OK OK OK OK 2 1/8 OK OK OK OK G3 .403 .417 .414 4 15/16 NONE 4 15/16 NONE OK 591 Х .403 .408 2 9 1/4 OK OK OK OK OK OK 7 3/8 2 1/8 OK OK OK G3 10 1/4 .432 .411 .443 .426 4 15/16 OK NONE 4 15/16 7 3/8 NONE OK 411 OK OK OK OK OK 2 1/8 OK OK OK G3 7 1/4 2 1/8 593 .398 .420 .406 .398 .418 4 15/16 9 1/8 OK OK OK OK OK NONE OK 4 15/16 OK OK OK NONE OK G3 9 1/8 594 Х .416 .438 .416 .430 .420 2 4 15/16 OK OK OK OK OK NONE OK 4 15/16 7 1/2 2 1/8 OK OK OK NONE OK G3 4 15/16 NONE 595 .419 .450 .438 .426 .419 2 4 15/16 10 3/8 OK OK OK OK OK NONE OK 7 3/16 2 1/8 OK OK OK OK G3 .408 .408 .412 .432 .418 4 15/16 9 1/4 OK OK OK OK NONE OK 4 15/16 7 3/8 2 1/8 OK OK OK NONE OK .419 .430 .426 .419 427 4 15/16 9 3/4 OK OK OK OK OK NONE OK 2 1/8 OK OK OK NONE OK 597 598 .420 .432 .438 .426 .420 2 10 3/8 OK OK OK OK OK NONE OK 7 1/8 2 1/8 OK OK OK NONE OK G3 7 1/16 600 Х .400 .428 .419 .424 .400 4 15/16 9 5/8 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3 .432 1 4 15/16 4 15/16 7 1/4 NONE G3 601 Χ .415 .419 .428 .415 9 7/8 OK OK OK OK OK NONE OK 2 1/8 OK OK OK OK 602 Χ .42 .413 .440 .42 .411 2 10 1/4 OK OK OK OK OK NONE OK 4 15/16 7 1/2 2 1/8 OK OK NONE OK G3 OK 603 .430 .432 .448 .440 .430 10 1/4 OK OK OK OK OK NONE OK 7 3/8 2 1/8 OK OK OK NONE OK 604 .396 .396 .408 .415 .400 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 7 1/8 2 1/8 OK OK OK NONE OK G3 605 Χ .408 .424 .431 .408 .419 4 7/8 9 7/8 OK OK OK OK OK NONE OK 4 7/8 7 1/4 2 9/16 OK OK OK NONE OK G3 606 Х .412 .436 .419 .423 .412 2 4 13/16 10 3/4 OK OK OK OK OK NONE OK 4 13/16 7 7/8 2 9/16 OK OK OK NONE OK G3 607 .450 .467 NONE OK .483 .450 .462 0 OK OK OK OK OK OK OK 9 7/8 2 1/8 OK OK OK G3 .400 .417 .422 .429 4 13/16 6 7/8 OK OK OK OK OK OK OK 4 13/16 7 1/4 5/8 OK OK OK NONE OK 608 .400 609 Х .444 .444 .448 .457 .462 2 4 15/16 8 7/8 OK OK OK OK OK OK OK 9 7/8 2 1/8 ΟK OK OK NONE OK G3 NONE 610 .449 .449 .463 .476 .461 2 OK OK OK OK OK OK OK 2 1/8 OK OK OK OK G3 7 1/2 614 Х .392 .442 .423 .392 4 13/16 OK OK ОК OK OK OK OK 4 13/16 7 1/2 2 7/16 OK OK OK NONE OK G3 .400 616 X .405 .405 .412 .432 .428 2 4 13/16 9 1/4 OK OK OK NONE 4 13/16 7 1/8 2 7/16 OK OK NONE OK G3 OK OK OK OK 618 .430 .437 .442 .438 .430 4 13/16 9 7/8 OK OK OK OK OK NONE OK 4 13/16 7 1/4 2 9/16 OK OK OK NONE OK G3 .396 .427 .407 .396 .417 4 13/16 7 5/8 OK OK OK 4 13/16 7 1/4 2 7/16 OK OK OK NONE OK G3 .423 .412 417 4 15/16 7 1/8 OK 620 .408 .408 0 9 1/8 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE G3 622 Х .406 .443 .423 .418 .406 1 4 13/16 10 5/8 OK OK OK OK OK NONE OK 4 13/16 7 5/8 2 9/16 OK OK OK NONE OK G3 624 .414 .445 .420 .450 .414 2 4 15/16 10 3/8 OK OK OK OK OK NONE OK 4 15/16 2 1/8 OK OK OK NONE OK G3

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BAND COND OΠ SPACE ΙD WIDTH DIA LGTH 7 1/2 G3 625 .422 .440 .433 .422 .439 2 4 13/16 OK NONE OK 4 13/16 2 7/16 OK NONE OK 626 .427 .427 .442 .448 .436 2 7 1/2 OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK G3 OK OK OK 627 Х .424 .432 .448 437 .424 2 9 1/4 OK OK ΟK ΟK OK NONE OK 7 3/8 2 1/8 ΟK OK OK NONE OK G3 .403 .409 .417 .403 4 13/16 9 3/4 OK NONE OK 4 13/16 7 7/8 2 9/16 OK NONE OK G3 628 .422 OK OK OK OK OK OK .400 .445 .418 .405 .400 4 13/16 9 7/8 OK OK OK OK NONE OK 4 13/16 7 1/2 2 9/16 OK OK OK NONE OK 629 OK 630 435 466 454 470 .435 4 15/16 10 1/2 OK OK ΟK OK OK NONE OK 4 15/16 7 1/4 2 1/8 ΟK OK OK NONE OK G3 631 .429 .452 .464 .437 .429 4 13/16 10 1/4 OK OK OK OK OK NONE OK 4 13/16 7 1/2 7/16 OK OK OK NONE OK G3 632 .418 .418 .424 .432 .426 0 4 13/16 9 3/8 OK OK OK OK OK NONE OK 4 13/16 7 1/4 2 9/16 OK OK OK NONE OK G3 633 Χ .434 .447 .434 .447 .453 0 9 5/8 OK OK NONE 4 15/16 7 5/8 NONE OK G3 OK OK OK OK 2 1/8 OK OK OK 634 .416 .428 .432 .419 .416 0 9 5/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK G3 639 .466 .470 .466 .472 .475 0 9 OK OK OK OK OK OK OK 7 3/8 2 1/8 OK OK NONE OK G3 .408 .418 .425 2 4 15/16 10 3/8 OK OK OK OK NONE OK 4 15/16 7 1/4 OK OK NONE OK G3 640 .391 .391 OK 1/8 OK Х .458 .447 .432 2 OK OK 642 432 460 OK OK OK ΟK OK OK OK 2 1/8 ΟK OK NONE 8 7/8 10 G3 .398 2 4 3/4 NONE OK 4 3/4 7 1/8 2 9/16 NONE OK G3 643 .445 .418 .398 .406 10 OK OK OK OK OK OK OK OK 644 .438 .459 .451 8 3/4 OK OK 2 1/8 OK OK NONE OK G3 .475 .438 OK OK OK OK OK 8 3/4 OK 646 Х .443 .456 .450 2 OK NONE OK 443 462 9 1/8 OK OK OK OK OK OK ΟK 10 2 1/8 OK OK G3 NONE 648 .384 .420 .385 .391 .384 2 4 13/16 9 3/4 OK OK OK OK OK NONE OK 4 13/16 7 5/8 2 9/16 OK OK OK OK G3 .425 .425 .434 .452 .438 OK OK NONE 4 15/16 7 1/4 2 1/8 OK OK NONE OK 649 9 5/8 OK OK OK OK OK G3 4 13/16 7 3/8 650 Х .385 .426 .430 .412 .385 2 4 13/16 7 1/8 OK OK OK OK OK OK OK 2 7/16 OK OK OK NONE OK G3 651 .428 .428 .439 .434 .452 2 9 1/8 OK OK OK OK OK NONE OK 7 1/4 2 1/8 OK OK OK NONE OK G3 652 .393 .436 .419 .436 .393 4 13/16 10 1/4 OK OK OK OK NONE OK 4 13/16 7 1/4 2 7/16 OK OK OK NONE OK G3 .426 .442 2 4 15/16 7 1/8 NONE 654 X .423 .430 .423 10 OK OK OK OK OK NONE OK 2 1/8 OK OK OK OK G3 Х 4 15/16 9 1/4 OK OK NONE 4 15/16 NONE OK 655 .390 .390 .394 .405 .399 OK OK OK OK 7 7/8 2 1/8 OK OK OK G3 .438 10 1/2 4 15/16 7 1/4 NONE OK 656 .413 .413 .425 440 4 15/16 OK OK OK OK OK NONE OK 2 1/8 OK OK OK 657 .418 .418 .422 .436 .444 4 15/16 9 1/8 OK OK OK OK OK NONE OK 7 1/4 2 1/8 OK OK OK NONE OK G3 7 1/8 658 .440 .466 .444 .453 .440 4 15/16 9 5/8 OK OK OK OK NONE OK 1/8 OK OK OK NONE OK G3 660 Χ .400 .448 .465 .435 .400 2 4 3/4 OK OK OK OK OK NONE OK 4 3/4 7 3/8 2 9/16 OK OK OK NONE OK G3 661 .402 .402 .418 .424 .430 2 4 7/8 9 5/8 OK OK OK OK OK NONE OK 4 13/16 7 3/4 2 1/8 OK OK OK NONE OK G3 9 7/8 Х 2 8 1/4 NONE 663 .438 .451 .438 .442 .450 OK OK OK OK OK OK OK 2 1/8 OK OK OK OK G3 .433 .426 .411 2 NONE OK 2 7/16 NONE OK 664 Х .411 .419 9 1/2 OK OK OK OK OK 7 1/4 OK OK OK G3 .435 .463 .450 .442 435 2 7 1/4 OK 2 9/16 NONE OK 665 OK OK OK OK OK OK OK OK OK G3 7 3/8 666 .386 .419 .386 .413 .424 4 13/16 9 7/8 OK OK OK OK OK NONE OK 4 13/16 2 9/16 OK OK OK NONE OK G3 669 Х .415 .420 .415 .418 .432 2 9 1/2 OK OK OK OK OK NONE OK 7 1/8 2 9/16 OK OK OK NONE OK G3 NONE 670 .424 .424 .436 .430 .425 0 4 3/4 9 1/8 OK OK OK OK OK NONE OK 4 3/4 8 3/8 2 9/16 OK OK OK OK G3 671 .404 .404 .424 .420 .413 4 15/16 9 1/2 OK OK OK OK NONE OK 2 5/8 OK OK OK NONE OK 7 5/8 672 .396 .411 .409 .422 .396 4 7/8 10 1/8 OK OK OK OK OK NONE OK 4 7/8 2 1/8 OK OK OK NONE OK 673 .422 .443 .440 .435 .422 2 10 3/8 OK OK OK OK OK NONE OK 7 1/8 2 1/8 OK OK OK NONE OK G3 674 Χ .424 .432 .446 .434 .424 2 4 13/16 9 7/8 OK OK OK OK OK NONE OK 4 3/4 7 3/8 2 9/16 OK OK OK NONE OK G3 .447 0 7 7/8 NONE G3 675 Χ .440 .443 .440 .454 10 3/8 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK 7 1/8 679 Х .408 .426 .411 .408 4 13/16 9 7/8 OK OK OK OK OK NONE OK 4 7/8 2 9/16 OK OK NONE OK G3 .440 OK 680 .418 .426 .448 .430 .418 4 15/16 9 1/8 OK OK OK OK OK NONE OK 4 15/16 7 1/4 2 1/8 OK OK OK NONE OK 682 .415 .426 .415 .430 .420 0 4 7/8 9 3/8 OK OK OK OK OK OK OK 4 7/8 7 3/8 2 9/16 OK OK OK NONE OK G3 683 Χ .413 .413 .450 .420 .425 0 4 15/16 9 1/2 OK OK OK OK OK OK OK 4 15/16 7 3/8 2 1/8 OK OK OK NONE OK G3 686 .418 .423 .418 .426 .432 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 7/8 7 1/8 2 9/16 OK OK OK NONE OK G3 .430 4 7/8 NONE 4 7/8 7 5/8 2 9/16 NONE OK 687 .430 .448 .452 .433 0 9 3/4 OK OK OK OK OK OK OK OK OK G3 .442 .442 .450 .447 .454 8 1/8 OK OK OK OK OK 2 1/8 OK OK OK NONE OK 692 OK 693 Х 452 .464 .476 .457 .452 2 7 3/4 OK OK OK OK OK OK ΟK 4 15/16 2 1/8 ΟK OK OK NONE OK G3 10 .419 NONE 694 .419 .435 .420 .426 2 4 13/16 10 3/8 OK OK OK OK OK NONE OK 4 3/4 7 5/8 2 9/16 OK OK OK OK G3 7 1/2 7 1/8 695 .387 .414 .435 .387 4 13/16 OK OK ОК OK OK OK OK 4 13/16 2 7/16 OK OK OK NONE OK G3 .420 699 X .440 .432 .416 .424 2 4 7/8 OK OK NONE OK 4 7/8 7 1/4 2 9/16 OK NONE OK G3 .416 9 3/4 OK OK OK OK OK 700 .458 .474 .462 .458 .476 2 8 7/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 .447 .465 .462 .447 .457 7 7/8 OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK G3 .448 .460 2 7 3/8 OK 702 .462 .448 .452 8 1/2 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE G3 703 Х .446 .470 .467 456 .446 2 8 3/4 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK G3 704 .422 .458 .447 .438 .422 2 4 13/16 7 1/8 OK OK OK OK OK OK OK 4 13/16 2 9/16 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 26 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH ΙD BAND COND # Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE WIDTH DIA LGTH 7 1/4 G3 705 .399 .418 .422 .400 .399 2 4 7/8 OK NONE OK 4 13/16 OK NONE OK 4 13/16 7 1/4 .386 .438 .425 .398 .386 2 4 13/16 11 OK OK OK OK NONE 2 9/16 OK OK OK NONE OK G3 706 OK OK 708 Х .447 .462 .455 .447 466 2 7 7/8 OK OK ΟK ΟK OK ΟK OK 2 1/8 ΟK OK OK NONE OK G3 .441 .472 .465 .441 .456 OK OK OK OK 2 1/8 OK NONE OK G3 709 OK OK OK OK OK .386 .397 .386 .409 .399 4 3/4 9 3/8 OK OK OK OK NONE OK 3/4 7 3/8 2 9/16 OK OK OK NONE OK 710 OK 711 Х 411 440 434 445 .411 4 13/16 9 1/8 OK OK ΟK OK OK NONE OK 4 13/16 7 5/8 2 7/16 OK OK OK NONE OK G3 712 .380 .400 .403 .380 .420 4 13/16 9 3/4 OK OK OK OK OK NONE OK 4 13/16 2 9/16 OK OK OK NONE OK G3 7 1/4 714 .422 .425 .431 .434 .422 2 4 13/16 10 1/4 OK OK OK OK OK NONE OK 4 3/4 2 9/16 OK OK OK NONE OK G3 715 Χ .436 .439 .415 2 4 13/16 10 OK OK OK NONE OK 4 7/8 2 9/16 OK NONE OK G3 .415 .440 OK OK OK OK 722 .400 .410 .400 .430 .435 4 13/16 10 3/8 OK OK OK OK OK NONE OK 4 7/8 7 7/8 2 9/16 OK OK OK NONE OK G3 723 .400 .415 .450 .433 .400 4 13/16 10 1/4 OK OK OK OK NONE OK 4 13/16 7 1/4 2 9/16 OK OK NONE OK G3 .420 .433 .440 .432 4 15/16 9 7/8 OK OK OK OK NONE 4 15/16 7 1/8 OK OK NONE OK G3 726 .420 OK OK 2 9/16 OK Х .445 .405 4 7/8 OK NONE OK 729 .405 415 435 Ω 4 7/8 OK OK OK ΟK OK NONE OK 7 3/8 2 7/16 ΟK OK 10 G3 .420 0 4 3/4 NONE 4 3/4 2 9/16 NONE OK G3 730 .411 .418 .424 .411 9 1/2 OK OK OK OK OK OK OK OK OK 731 .412 .442 .412 10 3/8 OK OK NONE 4 13/16 7 1/8 2 7/16 OK OK NONE OK G3 .440 .422 4 13/16 OK OK OK OK OK 734 Х .431 .445 .440 .431 2 NONE 4 3/4 7 1/4 OK NONE OK 438 4 11/16 9 1/4 OK OK OK OK OK OK 2 9/16 OK OK G3 NONE 735 .414 .438 .450 .440 .414 2 4 13/16 10 5/8 OK OK OK OK OK NONE OK 4 13/16 7 5/8 2 9/16 OK OK OK OK G3 .435 .450 .445 .435 .447 10 1/2 OK OK OK NONE OK 2 9/16 OK OK OK NONE OK 737 OK OK G3 739 Χ .428 .428 .432 .435 .433 2 4 7/8 9 5/8 OK OK OK OK OK NONE OK 4 15/16 2 7/16 OK OK OK NONE OK G3 743 .415 .445 .450 .454 .415 4 7/8 9 1/8 OK OK OK OK OK NONE OK 4 7/8 2 1/2 OK OK OK NONE OK G3 752 .430 .460 .453 .430 .440 4 13/16 9 1/4 OK OK OK NONE OK 4 13/16 7 1/8 2 7/16 OK OK OK NONE OK G3 4 13/16 2 9 1/8 OK NONE 4 13/16 2 7/16 NONE 754 Х .400 .400 .420 .430 .425 OK OK OK OK OK OK OK OK OK G3 Х 4 13/16 OK NONE 4 13/16 7 1/8 NONE OK 755 .410 .426 .410 .430 .435 10 1/8 OK OK OK OK OK 2 9/16 OK OK OK G3 .442 10 1/4 4 7/8 7 1/2 NONE OK 761 .430 .435 .430 438 4 13/16 OK OK OK OK OK NONE OK 2 9/16 OK OK OK 4 13/16 7 3/8 NONE 764 .415 .460 .423 .415 .438 4 3/4 10 1/4 OK OK OK OK OK NONE OK 2 9/16 OK OK OK OK G3 766 .460 .460 .470 .477 .465 2 8 3/8 OK OK OK OK OK OK 2 1/8 OK OK NONE OK G3 2 767 Χ .450 .471 .450 .462 .471 8 1/8 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK G3 768 .468 .470 .480 .468 .472 2 8 1/8 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK G3 2 Χ 9 1/8 8 7/8 2 1/8 NONE 769 .450 .470 .456 .450 .455 OK G3 .470 .455 .472 2 NONE OK 770 Х 455 .465 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK G3 .471 .465 .461 2 OK OK 8 5/8 NONE OK G3 771 .461 .470 OK OK OK OK OK 2 1/8 OK OK OK 2 8 1/8 772 .462 .480 .485 .462 .483 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 773 Х .458 .472 .458 .470 .463 2 8 1/8 OK OK OK OK OK OK OK 8 7/8 2 1/8 OK OK OK NONE OK G3 NONE 774 .460 .460 .478 .485 .482 2 8 1/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK OK G3 775 .453 .455 .461 .453 .467 8 1/4 OK OK OK OK OK 2 1/8 OK OK OK NONE OK 776 .440 .465 .440 .457 .470 6 7/8 OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK OK 777 Х .456 .462 .456 457 .465 2 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 778 Χ .446 .463 .446 .468 .466 2 7 3/4 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK G3 Х 2 9 1/8 NONE G3 779 .462 .473 .474 .482 .462 8 1/4 OK OK OK OK OK OK OK 2 1/8 OK OK OK OK 780 Х .466 .474 .480 .475 2 8 7/8 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK NONE OK G3 466 OK 781 .458 .460 .458 .462 483 8 1/8 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK 782 .447 .470 .474 .447 .467 2 9 OK OK OK OK OK OK OK 9 1/4 2 1/8 OK OK OK NONE OK G3 783 Χ .445 .445 .452 .470 .453 8 1/4 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK G3 784 Х .460 .472 .478 .480 .460 6 3/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 .485 10 NONE OK 785 .463 .490 .470 .463 2 OK OK OK OK OK OK OK 2 1/8 OK OK OK G3 .456 .456 .485 .465 OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK 786 490 787 Х 470 .477 .476 .470 .473 2 6 5/8 OK OK OK OK OK OK OK 9 1/8 2 1/8 ΟK OK OK NONE OK G3 .477 NONE 788 .460 .463 .460 .468 OK OK OK OK OK OK OK 8 5/8 2 1/8 OK OK OK OK G3 7 1/2 789 Х .461 .466 .468 .470 .461 2 OK OK ОК OK OK OK 2 1/8 OK OK NONE OK G3 OK OK 790 X .462 .478 .477 .462 .472 2 OK 9 1/4 2 1/8 OK NONE OK G3 7 5/8 OK OK OK OK OK OK OK OK 791 .470 .470 .480 .473 .481 2 7 3/4 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 .448 .452 .462 .448 .449 7 3/8 OK OK OK OK 2 1/8 OK OK OK NONE OK G3 .458 .458 .471 .472 2 7 1/8 8 5/8 2 1/8 OK 793 .470 OK NONE G3 794 Х .458 .458 .478 .475 .474 2 9 1/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 795 .464 .474 .472 .470 .464 2 8 7/8 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 27 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 OΒ LGTH WIDTH COND OΠ ΙD WIDTH BAND COND # Wear Dam Coating SPACE DIA WIDTH DIA. BAND SPACE DIA LGTH 2 G3 796 .463 .466 .463 .474 .481 OK OK OK 9 1/8 OK NONE OK 797 .447 .447 .458 .480 .477 2 7 5/8 OK OK OK OK OK 8 3/8 2 1/8 OK OK OK NONE OK G3 OK OK 798 Х 458 .458 466 478 485 2 7 7/8 OK OK ΟK ΟK OK OK 2 1/8 ΟK OK OK NONE OK G3 .454 .454 .477 .482 .473 2 OK OK 9 1/8 2 1/8 OK NONE OK G3 799 OK OK OK OK OK OK OK .467 .467 .482 .473 .468 2 9 1/4 OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK 800 OK OK 801 .462 478 470 462 .463 OK OK OK OK OK ΟK OK 10 2 1/8 OK OK OK NONE OK G3 802 .486 .490 .488 .492 .486 2 8 7/8 OK OK OK OK OK OK OK 4 15/16 9 1/8 2 1/8 OK OK OK NONE OK G3 803 .448 .490 .448 .464 .468 2 OK OK OK OK OK OK OK 8 1/8 2 1/8 OK OK OK NONE OK G3 804 Χ .467 .482 .473 .467 .475 2 a OK OK OK OK 10 2 1/8 OK NONE OK G3 OK OK OK OK OK 805 .460 .475 .464 .463 .460 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 806 .458 .458 .477 .480 .473 8 1/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK NONE OK G3 .452 .470 .452 .476 7 3/8 OK OK OK OK OK OK 9 7/8 2 1/8 OK OK NONE OK G3 807 .462 OK OK Х .487 .463 1 ОК NONE OK 808 463 478 .470 OK OK OK ΟK OK OK OK 2 1/8 ΟK OK 9 3/8 G3 .460 .485 .478 2 OK 9 1/8 NONE OK G3 809 .460 .478 OK OK OK OK OK OK 2 1/8 OK OK OK .446 .458 .464 .457 2 8 1/8 OK OK OK 9 1/8 2 1/8 OK OK NONE OK G3 810 .446 OK OK OK OK OK 811 Х .442 .454 .442 .461 .463 2 OK NONE OK 8 1/8 OK OK OK OK OK OK OK 9 3/8 2 1/8 OK OK G3 NONE 812 .460 .460 .473 .480 .478 2 9 OK OK OK OK OK OK OK 8 1/2 2 1/8 OK OK OK OK G3 8 1/8 .442 .442 .443 .456 OK OK OK 2 1/8 OK OK NONE OK 813 .462 OK OK OK OK OK G3 814 Χ .458 .462 .458 .470 .473 2 7 3/8 OK OK OK OK OK OK OK 8 7/8 2 1/8 OK OK OK NONE OK G3 815 .399 .412 .400 .399 .405 2 8 7/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 .434 .459 .436 .434 .460 2 OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 OK .447 .447 2 OK 2 1/8 NONE 818 Х .455 .460 .467 6 5/8 OK OK OK OK OK OK 9 OK OK OK OK G3 2 1/8 819 Х .465 2 OK NONE OK .448 .463 .448 .452 8 7/8 OK OK OK OK OK OK 9 7/8 OK OK OK G3 .449 2 NONE OK 820 .446 .455 .446 456 8 1/8 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE 821 .457 .476 .457 .461 .464 2 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK OK G3 2 822 .446 .459 .446 .458 .467 6 3/4 OK OK OK OK OK OK OK 9 3/8 1/8 OK OK NONE OK G3 2 823 Χ .458 .458 .465 .462 .461 9 1/8 OK OK OK OK OK OK OK 8 5/8 2 1/8 OK OK OK NONE OK G3 824 .450 .470 .450 .454 .461 2 8 1/2 OK OK OK OK OK OK OK 9 1/4 2 1/8 OK OK OK NONE OK G3 Х 1 10 2 1/8 NONE 825 .433 .433 .458 .456 .453 9 OK G3 .446 .445 .451 OK 7 3/4 NONE OK 826 Х .445 .463 1 OK OK OK OK OK OK 2 1/8 OK OK OK G3 .472 .472 OK OK 9 7/8 NONE OK G3 827 .478 .483 .476 OK OK OK OK OK 2 1/8 OK OK OK 6 1/4 828 .450 .450 .460 .472 .468 OK OK OK OK OK OK OK 8 1/2 2 1/8 OK OK OK NONE OK G3 829 Х .445 .465 .456 .463 .445 2 8 1/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 NONE 830 .453 .470 .476 .463 .453 2 7 3/4 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK OK G3 831 .443 .443 .460 .450 .451 6 1/2 OK OK OK OK OK OK 9 1/2 2 1/8 OK OK OK NONE OK 832 .442 .448 .451 .442 .456 OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK OK 833 .432 .437 .460 453 .432 2 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 7 1/8 834 .460 .473 .478 .461 .460 8 3/4 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 .467 2 NONE G3 835 Χ .448 .474 .453 .448 8 1/4 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK OK 836 Х .448 .450 .477 .463 2 8 7/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK NONE OK G3 .448 OK 837 .444 .444 .458 .463 465 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK 838 .445 .470 .458 .445 .460 2 8 7/8 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE OK G3 2 839 Χ .441 .450 .444 .441 .442 OK OK OK OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK G3 840 .436 .466 .436 .458 .442 2 8 1/4 OK OK OK OK OK OK OK 9 3/8 2 1/8 OK OK OK NONE OK G3 .434 6 7/8 9 1/8 NONE OK 841 .434 .470 .450 .461 2 OK OK OK OK OK OK OK 2 1/8 OK OK OK G3 .438 .454 .448 .438 .467 7 5/8 OK OK OK OK OK OK 9 3/8 OK OK OK NONE OK 842 1/8 843 Х 443 .467 .461 .465 .443 2 OK OK OK OK OK OK OK 9 1/8 2 1/8 ΟK OK OK NONE OK G3 NONE 844 .433 .433 .446 453 .450 2 8 1/8 OK OK OK OK OK OK OK 7 1/2 2 1/8 OK OK OK OK G3 9 1/4 .450 .466 .450 .454 .468 2 8 1/8 OK OK ОК OK OK OK 2 1/8 OK OK OK NONE OK G3 845 OK 846 X .434 .434 .444 .467 .462 2 OK OK 9 1/4 2 1/8 OK NONE OK G3 8 1/8 OK OK OK OK OK OK OK 847 .456 .456 .465 .463 .470 2 8 7/8 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 .466 .465 464 .469 OK OK OK OK 9 3/4 2 1/8 OK OK OK NONE OK G3 2 8 1/4 OK 849 .450 .466 .470 .450 .458 OK OK OK OK OK OK OK 9 1/8 2 1/8 OK OK OK NONE G3 850 Х .453 .454 .453 456 .478 2 8 1/4 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 851 .456 .459 .460 .456 .478 2 OK OK OK OK OK OK OK 4 15/16 8 3/8 2 1/8 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 28 of 35 **ELECTRO-LOG** ULTRASONIC CONT CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 OΒ LGTH COND OΠ BAND COND # Dam Coating SPACE DIA WIDTH WIDTH DIA. BAND SPACE ΙD WIDTH DIA LGTH 2 G3 852 .440 .446 .440 .452 .467 OK OK OK 9 7/8 OK NONE OK 853 .48 .48 .460 .453 .445 2 8 5/8 OK OK OK OK OK 9 3/8 2 1/8 OK OK OK NONE OK G3 OK OK 854 Χ .435 450 .444 435 .445 2 OK OK OK ΟK OK OK 2 1/8 ΟK OK OK NONE OK G3 .424 .424 .450 .458 456 2 8 1/2 OK OK 9 7/8 2 1/8 OK NONE OK G3 855 OK OK OK OK OK OK OK .448 .462 .448 .459 .477 8 5/8 OK OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK 856 OK OK 857 429 454 .429 446 .442 2 8 7/8 OK OK ΟK OK OK ΟK OK 7 7/8 2 1/8 OK OK OK NONE OK G3 858 .448 .448 .455 .457 .452 2 8 1/4 OK OK OK OK OK OK OK 7 1/4 1/8 OK OK OK NONE OK G3 859 .446 .464 .4569 .446 .460 2 8 7/8 OK OK OK OK OK OK OK 8 7/8 2 1/8 OK OK OK NONE OK G3 860 Χ .462 .475 .470 2 7 1/2 OK OK OK 9 7/8 OK NONE OK G3 .458 .458 OK OK OK OK 2 1/8 OK OK 861 .440 .447 .450 .440 .461 OK OK OK OK OK OK OK 8 7/8 2 1/8 OK OK OK NONE OK G3 862 .436 .444 .436 .466 .451 4 15/16 7 1/8 OK OK OK OK OK OK 9 7/8 2 1/8 OK OK NONE OK G3 OK .450 .460 .466 .450 9 1/4 OK OK OK OK OK OK 10 2 1/8 OK OK NONE OK G3 863 .458 OK OK Х .444 .461 .452 2 OK OK 864 444 .465 OK OK OK ΟK OK OK OK 2 1/8 ΟK OK NONE 7 7/8 10 G3 .466 .470 2 OK 9 7/8 NONE OK G3 865 .454 454 .462 7 1/4 OK OK OK OK OK OK 2 1/8 OK OK OK .436 .436 .457 OK OK 10 2 1/8 OK OK NONE OK G3 866 .448 .465 OK OK OK OK OK OK Х .403 .408 .442 2 4 7/8 OK NONE 4 13/16 7 1/8 OK NONE OK 868 403 415 9 OK OK OK OK OK 2 9/16 OK OK G3 4 3/4 3/4 NONE 869 .419 .438 .431 .419 .433 2 9 1/8 OK OK OK OK OK NONE OK 7 1/8 2 9/16 OK OK OK OK G3 .404 .420 .414 .404 .436 4 13/16 OK OK OK OK NONE 4 13/16 2 1/8 OK OK NONE OK 878 OK OK OK G3 890 Х .407 .407 .438 .446 .429 2 4 13/16 9 7/8 OK OK OK OK OK NONE OK 4 7/8 7 3/4 2 1/2 OK OK OK NONE OK G3 891 .412 .419 .456 .440 .412 4 3/4 9 7/8 OK OK OK OK OK NONE OK 4 3/4 7 1/2 2 9/16 OK OK OK NONE OK G3 892 .403 .403 .415 .435 .417 4 13/16 9 3/8 OK OK OK NONE OK 4 13/16 7 5/8 2 7/16 OK OK OK NONE OK G3 7 1/4 .395 .454 4 7/8 OK NONE 4 7/8 NONE 894 X .395 .440 .422 3 9 3/4 OK OK OK OK OK 2 7/16 OK OK OK OK G3 Х .457 .454 4 3/4 OK NONE 4 3/4 2 11/16 NONE OK 895 .438 .469 .438 9 5/8 OK OK OK OK OK 7 1/2 OK OK OK G3 .438 4 15/16 NONE 4 15/16 NONE OK 897 .418 .422 .455 .418 10 OK OK OK OK OK OK 2 9/16 OK OK OK 4 7/8 7 3/8 NONE 899 .414 .417 .414 .431 .433 4 7/8 10 1/4 OK OK OK OK OK NONE OK 2 7/16 OK OK OK OK G3 903 .415 .415 .449 .423 .418 4 7/8 9 1/4 OK OK OK OK OK NONE 4 7/8 9/16 OK OK OK NONE OK G3 ОК 904 .401 .425 .440 .401 .417 2 4 11/16 9 5/8 OK OK OK OK NONE OK 4 11/16 7 5/8 2 9/16 OK OK OK NONE OK G3 906 .396 .405 .449 .410 .396 4 13/16 9 7/8 OK OK OK OK OK NONE OK 4 13/16 2 7/16 OK OK OK NONE OK G3 Х 9 1/4 NONE 4 7/8 7 1/2 2 9/16 NONE 909 .408 .430 .439 .426 .408 4 7/8 OK G3 .428 .426 4 7/8 NONE 4 7/8 7 5/8 NONE OK 910 Х 406 .411 .406 3 9 7/8 OK OK OK OK OK OK 2 9/16 OK OK OK G3 .438 .438 .440 .451 .446 4 13/16 9 3/4 OK NONE 4 13/16 7 3/8 2 9/16 OK NONE OK G3 911 OK OK OK OK OK OK OK 913 .398 .398 .406 .414 .415 4 5/8 9 3/4 OK OK OK OK OK NONE OK 4 7/8 2 9/16 OK OK OK NONE OK G3 916 Х .431 .445 .431 .438 .437 2 4 7/8 9 7/8 OK OK OK OK OK NONE OK 4 13/16 7 1/8 2 9/16 OK OK OK NONE OK G3 4 3/4 4 13/16 7 1/4 NONE 917 .421 .431 .449 .457 .421 2 10 OK OK OK OK OK NONE OK 2 9/16 OK OK OK OK G3 919 .415 .432 .415 .455 .453 4 3/4 9 3/4 OK OK OK OK NONE OK 4 3/4 7 3/8 2 9/16 OK OK OK NONE OK .423 .423 .435 .452 429 4 7/8 9 3/4 OK OK OK OK OK NONE OK 4 13/16 7 3/8 2 7/16 OK OK OK NONE OK 923 925 .425 .425 .437 .430 .445 2 4 7/8 10 1/8 OK OK OK OK OK NONE OK 4 13/16 2 7/16 OK OK OK NONE OK G3 930 Х .47 .366 .355 .414 .47 2 4 13/16 10 OK OK OK OK OK NONE OK 4 7/8 7 1/8 2 7/16 OK OK OK NONE OK G3 2 4 7/8 4 7/8 NONE G3 932 Χ .390 .447 .451 .390 .416 OK OK OK OK OK NONE OK 2 9/16 OK OK OK OK 935 Х .414 .418 .419 .430 4 13/16 9 5/8 OK OK OK OK OK NONE OK 4 13/16 7 1/4 2 9/16 OK OK NONE OK G3 .414 OK 937 .425 .425 .443 .437 432 4 7/8 9 1/2 OK OK OK OK OK NONE OK 4 7/8 2 9/16 OK OK OK NONE OK 950 .425 .431 .435 .425 .427 2 4 7/8 10 OK OK OK OK OK NONE OK 4 13/16 7 3/8 2 9/16 OK OK OK NONE OK G3 10 1/8 957 Χ .411 .431 .436 .411 .424 0 4 13/16 OK OK OK OK OK NONE OK 4 13/16 7 1/2 2 7/16 OK OK OK NONE OK G3 959 Х .418 .418 .435 .440 .431 0 4 15/16 9 5/8 OK OK OK OK OK NONE OK 4 13/16 2 9/16 OK OK OK NONE OK G3 4 15/16 9 3/4 NONE 4 7/8 7 3/4 2 9/16 NONE OK 960 .418 .421 .437 .429 .418 OK OK OK OK OK OK OK OK G3 .414 .414 .455 450 .420 4 7/8 9 1/8 OK OK OK OK NONE 4 7/8 7 3/4 OK OK NONE OK 969 OK 9/16 OK 970 Х 428 .428 .446 .437 .432 2 4 15/16 9 7/8 OK OK OK OK OK NONE ΟK 4 15/16 7 1/8 2 9/16 ΟK OK OK NONE OK G3 NONE NONE 972 .418 .435 .431 .418 .436 3 4 15/16 9 1/2 OK OK OK OK OK OK 4 7/8 7 1/8 2 7/16 OK OK OK OK G3 7 1/8 973 Х .421 .453 .436 .426 0 4 13/16 9 5/8 OK OK ОК OK OK NONE OK 4 13/16 2 9/16 OK OK OK NONE OK G3 .421 974 X .435 .444 .435 .438 .439 2 4 13/16 OK OK OK NONE 4 13/16 7 5/8 2 9/16 OK OK NONE OK G3 10 1/8 OK OK OK OK 975 .422 .456 .447 .422 .423 4 7/8 9 1/8 OK OK OK OK OK NONE OK 4 7/8 7 5/8 2 9/16 OK OK OK NONE OK G3 .426 .439 .433 .426 .447 4 7/8 OK OK OK NONE 4 13/16 7 1/2 2 9/16 OK OK OK NONE OK G3 .420 .420 .450 .448 .434 2 4 15/16 10 OK NONE 4 15/16 7 1/2 OK 980 OK OK OK OK OK 2 7/16 OK OK OK NONE G3 981 Х .439 .439 .454 457 .452 1 4 7/8 9 1/4 OK OK OK OK OK NONE OK 4 7/8 7 3/4 2 9/16 OK OK OK NONE OK G3 983 .428 .428 .436 .447 .459 2 4 7/8 9 5/8 OK OK OK OK OK NONE OK 4 7/8 7 1/4 2 7/16 OK OK OK NONE OK G3

Pipe O.D. Wt/Lbs/ft. 15.50# Wall Thickness 3 1/2 Grade G-105 .449" Connections NC38 COMPLETE DRILLPIPE PIPE BODY **TOOL JOINT** вох PIN Page 29 of 35 **ELECTRO-LOG** ULTRASONIC CONT. CONT Grade CLASSIFICATION WALL READINGS Bent JT. TONG BORE SHOUD BORE SEAL BEVEL HARD TONG SEAL BEVEL NECK HARD O.D. Area Plastic 2 Remarks 2 3 LGTH ΙD BAND COND # Wear Dam Coating OΠ SPACE DIA WIDTH WIDTH DIA. BAND COND OΠ SPACE WIDTH DIA LGTH 7 3/4 G3 984 .407 .413 .407 .433 .427 2 4 7/8 10 1/8 OK NONE OK 4 7/8 2 9/16 OK NONE OK .417 .443 .417 .429 .435 2 4 13/16 9 7/8 OK OK OK OK NONE 4 7/8 7 3/8 2 9/16 OK OK OK NONE OK G3 985 OK OK 986 Χ .427 451 .449 488 427 4 13/16 11 1/2 OK OK ΟK ΟK OK NONE 4 7/8 7 1/2 2 7/16 OΚ OK OK NONE OK G3 .422 .446 .422 .450 .448 4 13/16 9 7/8 OK OK NONE OK 4 13/16 7 5/8 2 9/16 OK OK NONE OK G3 OK OK OK OK .392 .428 .415 .392 .430 0 4 13/16 9 7/ OK OK OK OK NONE OK 4 13/16 7 1/2 2 9/16 OK OK OK NONE OK 989 OK 993 .407 .432 .425 407 420 4 11/16 9 5/8 OK OK ΟK OK OK NONE OK 4 3/4 2 9/16 OK OK OK NONE OK G3 .421 .450 .421 .425 .466 4 15/16 10 3/8 OK OK OK OK OK NONE OK 7 1/2 2 9/16 OK OK OK NONE OK G3 996 .452 .455 .453 .487 .452 4 15/16 OK OK OK OK OK NONE OK 4 15/16 8 1/4 2 7/16 OK OK OK NONE OK G3 998 Χ .422 .426 .422 .436 .440 0 9 1/2 OK OK OK NONE 4 7/8 2 7/16 OK NONE OK G3 4 7/8 OK OK OK OK OK 999 .435 .451 .446 .435 .443 4 7/8 9 1/2 OK OK OK OK OK NONE OK 4 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783 TOTAL RG Regroove RB Re bevel SCB Short C'Short C'Bore B Bevel INSPECTOR:			L																	Fl						ced									
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STATE EN	NERGY INSP	PECTION S	ERVICES,	INC.	CUSTOMER	RNAME				
					ADDRESS					
					LOCATION	-				
Office:					CUSTOMER	•			. 2-4	T110/0040
Fax:					WORK ORD	ER NO.			Date:	6/13/2013
		INSI	PECTION	N REPORT	r of USE	:D DRILL	PIPE			
96	_LENGTHS .	3 1/2"	O.D.	GRADE	G-105	WEIGHT	15.50#	LB/FT		
.449"	_WALL	CONN	NC38	RANGE	<u> </u>	. cc	OATED PIPE	NO	-	
	NSPECTION: sonic Readings									
Dimensiona	al II and Clean	and ∀isual (Connections							
NOTE: THIS	S PIPE WAS INS	SPECTED TO	DS-1 CAT							
				SUMM	MARY OF R	ESULTS				
96	_LENGTHS PR	REMIUM CLAS	S PIPE IDEN	ITIFIED BY ON	IE PUNCH MA	RK ON PIN T/	APER AND TV	VO WHITE PA	AINT BANDS	
0	LENGTHS PE	DEMILIM CLAS	se pide IDEN	ITIFIED BY ON	ас рымсн М	VDIN ON PIN T	ADED AND TV	NO WHITE P!	AINT RANDS	
U	_			USE FOR NOF				/O Wriii∟i,	INT DAINUS	
I				TOOL,	JOINT CON	UNECTION				
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PIN	BOX	PIN	BOX	PIN	BOX	PIN	BOX	BOX		
0	_			Y TWO PUNCH	H MARKS ON				N GRADING	-
	PIN TAPER A	AND ONE YELL	LOW PAINT B	AND	1	WEAR	MASH	PITTING	SLIP AREA	UNDERSIZED
					TOTION			<u> </u>		<u> </u>
- TOTIL DE	AOE	TUDEAD		OINT CONN	ī	CDA			4	
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0	LENGTHS CL	ASS 3 PIPE II	DENTIFIED B'	Y THREE PUN	NCH MARKS		REASON	FOR DOW	N GRADING	
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	Iru Line	JIL I	NI DI L			•				
96	Total lengths	\$	Comments:	Identified By	/ Two White I	Paint Bands i	in Slip Area.			
	Inspected	,						!	REF	
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								1	0	0
		ı	Inspector:							NAMETER
								!	PIN 0	BOX 0

STATE ENERGY INSPECTION SERVICES, INC. **Drill Pipe Worksheet**

Customer:	
Customer.	

P.O. #: W.O. #: Date: 6/13/2013 3 1/2" Grade G-105 Wt/Lbs/ft. 15 50# Wall Thickness 449" Connections NC38

Pipe	0.0				2"	_		•	Grade G-105					Wt/Lbs/ft. 15.50#							Wall Thickness449" Connections											
COMPLETE DRILLPIPE PIPE BODY																		TOOL	JOINT									\Box				
	ELECTRO-LOG			G			ULTRA	SONIC									зох								PIN							
JT. #	CL	CLASSIFICATION P 2 3 4		ON	LOW	WALL REA			ADINGS			a Plastic		TONG SPACE	CONT. BORE DIA.	SHOUD WIDTH	CONT. BORE LGTH	SEAL WIDTH	BEVEL DIA.	HARD	COND	O.D.	TONG SPACE	1.0	SEAL WIDTH	BEVEL DIA.	NECK LGTH	HARD	COND	srade	3ent	Remarks
1	v		1	-	.460	.472	.483	.460	.464	wear	Mash Dar	n. Coating	5	7 3/4	OK.	OK	OK	OK	OK	OK	OK	5.D.	10	I.D. 2 1/8	OK	OK	OK	NONE		G3	┌┷┤	Romano
2	v				.462	.464	.462	.471	.480			+ +	5	8 3/16	OK	ОК	OK	OK	OK	OK	OK	5	10	2 1/8	OK	OK	OK	NONE	 	G3	一十	
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4	X				.446	.446	.480	.469	.470		\vdash	1	5	8 7/8	ОК	ОК	ОК	OK	OK	OK	OK	5	10	2 1/8	ОК	ОК	OK	NONE	 	G3	\Box	
6	x				.454	.454	.470	.469	.478			1	5	8 7/8	ОК	ОК	ОК	OK	OK	OK	OK	5	9	2 1/8	ОК	ОК	OK	NONE	i –	G3	一	
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12	х				.470	.475	.479	.470	.473			1	5	7	OK	OK	OK	OK	OK	OK	OK	5	9 3/8	2 1/8	OK	OK	OK	NONE	ОК	G3	П	
13	х				.446	.476	.446	.460	.454			1	5	8 1/8	OK	OK	OK	OK	OK	OK	OK	5	9 3/8	2 1/8	OK	OK	OK	NONE	ОК	G3	П	
14	Х				.453	.453	.462	.456	.475			1	5	9	OK	OK	OK	OK	OK	OK	OK	5	10	2 1/8	OK	OK	OK	NONE	OK	G3	П	
15	X				.459	.476	.475	.459	.4546			1	5	8 1/16	OK	OK	OK	OK	OK	OK	OK	5	9	2 1/8	OK	OK	OK	NONE	OK	G3		
16	X				.446	.459	.446	.448	.467			1	5	9	OK	OK	OK	OK	OK	OK	OK	5	9 1/8	2 1/8	OK	OK	OK	NONE	OK	G3		
17	X				.445	.462	.454	.445	.468			1	5	8 1/8	OK	OK	OK	OK	OK	OK	OK	5	9 1/8	2 1/8	OK	OK	OK	NONE	ОК	G3		
18	X				.451	.451	.453	.478	.476			1	5 1/16	9	OK	OK	OK	OK	OK	OK	OK	5	9 3/4	2 1/8	OK	OK	OK	NONE	ОК	G3		
19	X				.432	.475	.451	.432	.465			2	5	9	OK	OK	OK	OK	OK	OK	OK	5	9 1/8	2 1/8	OK	OK	OK	NONE	OK	G3		
20	X				.460	.464	.463	.477	.460		oxdot	1	5	9 1/16	OK	OK	OK	OK	OK	OK	OK	5	9 1/16	2 1/8	OK	OK	OK	NONE	OK	G3	Ш	
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22	Х				.443	.480	.443	.462	.470		oxdot	1	5	8 1/8	OK	OK	OK	OK	OK	OK	OK	5	9 1/4	2 1/8	OK	OK	OK	NONE	OK	G3	Ш	
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33			\sqcup		.464	.478	.472	.464	.470		\vdash	1	5	6 5/8	OK	OK	OK	OK	OK	OK	OK	5	1	2 1/8	OK	OK	OK	NONE		G3	-	
34	X				.450	.464	.451	.450	.472			1	5	9	OK	OK	OK	OK	OK	OK	OK	5	9 1/4	2 1/8	OK	OK	OK	NONE	OK	G3	Ш	

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Wt/Lbs/ft. Wall Thickness .449" Pipe O.D. Grade G-105 3 1/2" 15.50# Connections NC38 COMPLETE DRILLPIPE PIPE BODY TOOL JOINT Page 34 of 35 BOX PIN **ELECTRO-LOG** ULTRASONIC CONT CONT Grade CLASSIFICATION Slip WALL READINGS SHOUD BORE TONG **BORE SEAL BEVEL** HARD TONG SEAL BEVEL **NECK** HARD OD. Area Plastic 2 4 Remarks SPACE WIDTH LGTH **WIDTH** DIA. BAND SPACE WIDTH DIA. LGTH BAND COND WALL Wear Dam. O.D. DIA. COND O.D. I.D. OK OK 5 OK G3 35 465 8 11/16 OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK OK OK OK OK OK 5 OK OK OK 36 .459 .467 .472 .479 .459 7 1/2 OK OK 9 7/8 2 1/8 OK NONE 5 37 .471 8 3/16 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 9 OK OK 8 3/4 .451 .473 .471 .451 .462 OK OK OK 4 15/16 2 1/8 OK NONE OK 38 OK OK OK OK G3 39 .460 .489 .471 .462 .460 7 3/8 OK OK OK OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK G3 5 .458 .458 .473 .476 OK OK OK OK 9 7/8 G3 40 OK OK 2 1/8 OK OK OK NONE OK .464 .468 .476 .471 8 5/8 OK OK OK OK OK OK OK 5 9 1/4 2 1/8 OK OK OK NONE OK G3 .464 42 451 .465 .460 .451 .462 1 7 3/16 OK OK OK OK OK OK OK 5 8 1/2 2 1/8 OK OK OK NONE OK G3 .471 OK OK OK 5 8 1/16 43 .453 .469 .474 OK OK OK OK 2 1/8 OK OK OK NONE OK G3 9 1/4 OK OK .468 .475 .473 .479 .468 OK OK OK OK OK 5 9 7/8 2 1/8 OK OK OK NONE OK G3 .457 .463 .466 9 OK OK OK OK OK OK 5 7 5/8 OK OK NONE OK G3 45 .453 .453 OK 2 1/8 OK 6 1/2 46 .443 .460 .465 .443 OK OK OK OK OK OK OK 4 15/16 8 7/8 2 1/8 OK OK OK NONE OK G3 47 .469 .470 8 1/16 OK OK OK OK OK OK OK 5 9 1/8 2 1/8 OK OK OK NONE OK G3 .486 5 OK OK OK .443 .461 .480 .443 .456 6 3/4 OK OK OK OK 9 1/16 2 1/8 OK OK OK NONE OK G3 .436 .471 .453 7 1/8 OK OK OK OK OK 5 9 7/8 NONE OK G3 49 .436 .462 OK OK 2 1/8 OK OK OK .434 .461 477 .434 454 8 3/16 OK OK OK OK OK OK OK 9 7/8 2 1/8 OK OK OK NONE OK G3 OK OK 52 .451 .457 .451 .460 .466 0 7 7/16 OK OK OK OK OK 5 9 7/8 2 1/8 OK OK OK NONE OK G3 54 .454 .467 .459 .470 9 1/16 OK OK OK OK 5 8 3/8 OK .454 OK OK OK 2 1/8 OK OK OK NONE G3 55 .460 .473 .466 .460 OK OK OK OK OK 5 10 OK OK NONE OK G3 .478 OK OK 2 1/8 OK .454 OK OK 5 9 1/16 56 .460 .487 .462 8 15/16 OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 5 7 1/16 57 .452 .490 .452 .457 .485 8 13/16 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 OK OK OK OK 5 463 463 .477 .470 .465 5 1/16 OK OK OK 8 15/16 1/8 OK OK OK NONE OK G3 59 .454 485 .461 .454 .476 8 1/8 OK OK OK OK OK OK OK OK NONE OK G3 OK 2 1/8 OK 5 10 2 1/8 60 459 .459 .481 .466 8 7/8 OK NONE OK G3 8 1/4 OK OK 5 9 9/16 OK .452 .462 .470 .452 .466 OK OK OK OK OK 2 1/8 OK OK NONE OK G3 62 .448 .467 .451 8 1/8 OK OK OK OK OK OK OK 5 9 1/4 2 1/8 OK OK OK NONE OK G3 63 .460 .478 .484 .460 7 15/16 OK OK OK OK 5 9 3/16 OK .469 OK OK OK 2 1/8 OK OK OK NONE G3 8 1/4 5 10 64 .449 .497 .487 .449 .471 OK OK OK OK OK OK OK 2 1/8 OK OK OK NONE OK G3 OK 5 65 455 .460 .482 .455 7 13/16 OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 .454 .467 .454 .468 8 7/8 OK OK OK OK OK OK OK 5 9 1/8 2 1/8 OK OK NONE OK G3 67 .464 .465 .471 .453 9 1/16 OK OK OK OK OK OK OK 10 2 1/8 OK OK OK NONE OK G3 68 450 .459 .465 .450 OK OK OK OK OK 5 9 1/8 OK NONE OK OK OK 2 1/8 OK OK G3 OK 69 .451 .470 8 1/8 OK OK OK OK OK 5 9 1/8 OK OK NONE OK .451 .463 .469 OK 2 1/8 OK 70 453 .461 474 .453 .481 8 1/16 OK OK OK OK OK OK OK 8 13/16 2 1/8 OK OK OK NONE OK G3 .448 .454 OK OK 5 .455 .466 0 7 3/4 OK OK OK OK 9 1/8 OK OK OK NONE OK G3 OK 2 1/8 5 72 .443 .443 .460 .471 OK OK OK OK OK OK OK 9 9/16 2 1/8 OK OK OK NONE OK G3 8 1/8 5 73 .446 .460 .446 .468 .455 1 OK OK OK OK OK OK OK 9 15/16 2 1/8 OK OK OK NONE OK G3 OK OK OK OK OK OK OK OK OK G3 .454 463 8 1/16 OK 8 3/8 1/8 OK NONE

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94	Х			\top	\neg	.455	.460	.454	.463		T		1	5	9 1/8	ОК	ОК	ОК	ОК	ОК	OK	ОК	5	8 9/16	2 1/8	ОК	ОК	OK	NONE	ОК	G3					
95	X			-	-	.445	.456	.449	.450		1		1	5	9	ОК	OK	ОК	ОК	OK	OK	ОК	5	10	2 1/8	OK	ОК	OK	NONE	ОК	G3					
96	Х			.40	60 .	.468	.460	.472	.464				1	5	9	ОК	ОК	ОК	ОК	OK	ОК	ОК	5	9 15/16	2 1/8	OK	ОК	OK	NONE	ОК	G3					
97	Х			.44	48 .	.459	.448	.454	.463				3	5	8 1/4	ОК	OK	ОК	ОК	OK	OK	ОК	5	9 1/16	2 1/8	OK	ОК	OK	NONE	ОК	G3					
98	Х			.44	42 .	.442	.475	.450	.461				1	5	9	OK	OK	OK	OK	OK	OK	ОК	5	9 1/16	2 1/8	OK	ОК	OK	NONE	ОК	G3					
99	Х			.44	47 .	.479	.469	.447	.456				1	5	9 1/16	OK	OK	OK	OK	OK	OK	ОК	5	9 15/16	2 1/8	OK	ОК	OK	NONE	ОК	G3					
100	Х			.44	48 .	.450	.464	.448	.474				1	5	8 15/16	OK	OK	OK	OK	OK	OK	ОК	5	10	2 1/8	OK	ОК	OK	NONE	ОК	G3					
				0 Class 4 CODES FOR ABBREVIATIONS ON									THIS SH	EET:					BU Build Up Tool Joit C Crack																	
		0 Class 3								d Threa		RF						BU			Build Ur Build Up Tool Joit					Crack										
	0 Class 2 96 Premium										Tool J				W DT	Washout Damage Threads			OF SW		Swelled						Eccentric Undersize									
ı	96 Premium DS Damage Sho 96 TOTAL RG Regroove							JuluCl				Re bevel	illicaus		SCB			ı C'Short C'Bo	re				Bevel	u u												
																	3.2.20.01										-		SPEC	TOR:						
																																	SEIS Form 505 Rev. 1			

15.50#

Wt/Lbs/ft.

Grade G-105

Wall Thickness

Connections NC38

Pipe O.D.

3 1/2"