



PREMIUM THREAD INSPECTION
 CHROME TUBING CONSULTANT
 LASER TALLY SERVICES
 RENTAL TOOLS

Superior Performance Inc. was formed in 1995 to provide experienced field personnel for running of premium threaded tubing and casing. We provide expertise in handling and care of special alloy material. Our knowledge of rig operations and running procedures allows us to prevent problems before they turn into down time at the rig site.

All SPI Representatives are trained and experienced in proper running procedures as published by major thread manufacturers. When at your location they will discuss these recommended procedures with your representative. While these procedures are only guidelines, any variations from the procedures will only be made in consultation with your personnel on location. The SPI representative may suggest alternatives that would apply to your respective situation, without endangering the connections or personnel.

The SPI Representative will perform the following procedures when he arrives at your facility.

AT THE PIPE YARD



- ⊕ Supervise cleaning of threads, including the removal of thread protectors and operation of the cleaning personnel
- ⊕ Inspect the metal-to-metal seals on both the pin and box
- ⊕ Check the threads for damage, and inspect connection ID's for pitting and corrosion
- ⊕ Field repair any damages found on connections, if possible
- ⊕ Any joints that are not repairable on site are marked with a red band
- ⊕ Prep the connection

with dry moly coat or dope as required

- ⊕ Supervise the re-installation of thread protectors on the pipe
- ⊕ If requested, the SPI Representative will supervise bolsterring, loading and unloading of your tubulars



MAKEUP OF ACCESSORIES



- ⊕ Supervise cleaning of threads, including the removal of thread protectors and the operation of cleaning personnel
- ⊕ Inspect the metal-to-metal seals on both the pin and box
- ⊕ Check the threads for damage and inspect connection ID's for pitting and corrosion
- ⊕ Field repair any damages found on the connections, if possible
- ⊕ Verify size, weight, grade, and thread type for each make-up
- ⊕ Prep connections with dry moly coat or dope as required
- ⊕ Ensure the proper make-up torque is applied to each connection and that make-up graphs are acceptable
- ⊕ Make sure all completed assemblies have thread protectors re-installed prior to loading in basket for shipment to the rig

AT THE RIG SITE

- ⊕ Meet with the company supervisor and review what pipe and accessories are to be run into the well
- ⊕ Check that all accessories are proper size, weight, grade and thread type and that all threads are properly prepared for makeup
- ⊕ Check that all pipe is the correct size, weight, grade and thread type and that all threads are properly prepared for makeup
- ⊕ Confirm the running order of pipe and accessories
- ⊕ If handling plugs are to be used, check that they are proper size and weight
- ⊕ Verify stabbing guides are correctly sized and that any crossovers to be used are correct size and weight
- ⊕ Check that elevators and slips are the correct type for the pipe being run and are sufficient capacity to safely perform as needed
- ⊕ Verify with the tong company that the power tongs have sufficient capabilities to exceed maximum torque. Check torque gauge for calibration
- ⊕ Provide company supervisor, the tong company, and/or the torque turn company with the recommended torque values
- ⊕ Review the running procedures with company supervisor, tong company personnel and rig crew prior to beginning operations



- ⊕ When pipe running operations begin, monitor the activities of the tong company and rig crew to confirm that the proper running procedures are being used. Any corrections or changes to the running procedures that are necessary should be verbally communicated to the appropriate personnel demonstrated if necessary



- ⊕ During pipe running operation, the SPI representative will verify that the correct running procedures are maintained, that the proper torque is being applied to the connection, and the make-up graph falls within the acceptable range

POST JOB ACTIVITIES

- ⊕ The SPI representative will complete the SPI service report and the SPI service report supplement forms. These reports detail the activities that occurred during the running of pipe, type of accessories run, type of pipe dope used, name of tong company, Company supervisor, any damaged pipes or threads and any recommendations for changes to improve future operations

LASER TALLY SERVICES

- ⊕ Superior Performance Inc. offers Laser Tallying services. Our system uses the latest technology to deliver more accurate measurements than conventional tallying methods. One of the benefits of SPI's Laser Tallying services is digital accuracy. Human error is removed while a high precision of $\pm .005$ ft. up to 380 ft. is obtained and recorded using Bluetooth[®] technology



Detailed computer spreadsheets are provided containing the information pertinent to the job being performed. This data can be printed or stored electronically

NOTE: ALL TALLIES MUST BE "MADE UP" TALLY LENGTHS (LESS PIN THREADS)

BOLSTER

LOCATION: Garden Banks 01
 WELL: # 3
 RIG: Jim Thompson
 WBS#: AFE # 1001-01
 ENGINEER: Mr. Smith

Superior Performance Inc.

BOLSTER #: 101

O/D:	6
Make Up Loss:	0.41

JT. NO.							
TALLY	0	TALLY	0	TALLY	0	TALLY	0
JT. NO.							
TALLY	0	TALLY	0	TALLY	0	TALLY	0
JT. NO.	81	JT. NO.	82	JT. NO.	83	JT. NO.	JT. NO.
TALLY	39.02	TALLY	39.12	TALLY	39.05	TALLY	0
JT. NO.	78	JT. NO.	79	JT. NO.	80	JT. NO.	JT. NO.
TALLY	38.6	TALLY	39.05	TALLY	39.04	TALLY	0

END PREP PINS: _____

END PREP BOXES: _____ BOLSTER TALLY TOTAL: 233.88

NOTE: THE ABOVE MATRIX SHOULD BE AS VIEWED FROM BOX END OF PIPE

NOTE: ALL TALLIES MUST BE "MADE UP" TALLY LENGTHS (LESS PIN THREADS)

PIPE TALLY

LOCATION: Garden Banks 01
 WELL: # 3
 RIG: Jim Thompson
 WBS#: AFE # 1001-01
 ENGINEER: Mr. Smith
 LEASE: OCS-G 10350



O/D:	M/U Loss:	
6	4.998	0.41
4.5	3.662	0.31
		0.00

Time	Position	Measured value	Unit	O/D	Weight	Connection
14:03:52	1	39.51 ft		6		31.5 VARST-1
14:04:00	2	39.51 ft		6		31.5 VARST-1
14:04:00	3	39.22 ft		6		31.5 VARST-1
14:04:00	4	39.47 ft		6		31.5 VARST-1
14:04:00	5	39.44 ft		6		31.5 VARST-1
14:04:00	6	39.48 ft		6		31.5 VARST-1
14:04:01	7	39.33 ft		6		31.5 VARST-1
14:04:01	8	39.48 ft		6		31.5 VARST-1
14:04:01	9	39.49 ft		6		31.5 VARST-1
14:04:01	10	39.5 ft		6		31.5 VARST-1
14:04:01	11	39.49 ft		6		31.5 VARST-1
14:04:01	12	39.44 ft		6		31.5 VARST-1
14:04:01	13	39.22 ft		6		31.5 VARST-1
14:04:01	14	39.49 ft		6		31.5 VARST-1
14:04:01	15	39.46 ft		6		31.5 VARST-1

Oil Co. Deepwater
 Garden Banks 01
 OCS-G 10350
 Well #3
 Engineer: Mr. Smith
 AFE # 1001-01



Production Run Tubing Tally 5-17-04

DESCRIPTION	BOL #	JT #	JTS IN HOLE	STRAP LGTH	RUNNING DEPTHS		FINAL DEPTHS		COMMENTS
					FROM	TO	TO	FROM	
Hes 3 1/2 RS Type-1 Seal Assembly				17.20	0.00	17.20	21074.02	21056.82	Isolation Pkr. @ 21062.97' DPM
3 1/2 511 box x Varst-1 pin Ported sub Assembly				39.58	17.20	56.78	21056.82	21017.24	(2 - 3/8" Ports)
3 Jts. Of 3 1/2 9.20# 110y Hydri 511 w/ Hyd. X-O				119.75	56.78	176.53	21017.24	20897.49	Available Collapse 119.75'
3 1/2 511 pin x 5" ST-L box Telescoping Mandrel				34.97	122.53	157.50	20951.49	20916.52	Squash / Collapse (54.00)
2 Jts. Of Tbg. 5" 15# 13cr.110y ST-L				69.52	157.50	217.02	20916.52	20857.00	
5" ST-L pin x 3 1/2 Varst-1 box xover Assembly				37.06	217.02	254.08	20857.00	20819.94	
3 1/2 Varst-1 pin x 5 1/2 Vam Ace box xover				36.37	254.08	290.45	20819.94	20783.57	
3 1/2 Varst-1 Internal Assembly w/x-nipple s/n 1057397-1					290.45	290.45	20783.57	20783.57	Total of Inner Assy. 39.53'
5 1/2 Vam Ace x 3 1/2 Varst-1 3 way xover				19.43	290.45	309.88	20783.57	20764.14	
JL Tbg. 3 1/2" 9.2# 13cr.110 Varst-1				39.72	309.88	349.60	20764.14	20724.42	
3 1/2 Varst-1 pin x 4" Varst-1 box HPH Packer				35.22	349.60	384.82	20724.42	20689.20	
JL Tbg. 4" 13.2# 13 cr.110 Varst-1				41.30	384.82	426.12	20689.20	20647.90	
4" Varst-1 pin x 4 1/2 Varst-1 Wood Group PDPG				41.58	426.12	467.70	20647.90	20606.32	S/N USH-090
4 1/2 15.1# 13cr. 110y Varst-1	5	219	37	39.68	467.70	507.38	21017.24	20977.56	Total BHA = 521.70'
4 1/2 15.1# 13cr. 110y Varst-1	5	217	38	42.02	507.38	549.40	20977.56	20935.54	
4 1/2 15.1# 13cr. 110y Varst-1	5	220	39	42.04	549.40	591.44	20935.54	20893.50	
4 1/2 15.1# 13cr. 110y Varst-1	5	221	40	41.72	591.44	633.16	20893.50	20851.78	
4 1/2 15.1# 13cr. 110y Varst-1	137	433	41	42.03	633.16	675.19	20851.78	20809.75	
4 1/2 15.1# 13cr. 110y Varst-1	137	434	42	42.01	675.19	717.20	20809.75	20767.74	
4 1/2 15.1# 13cr. 110y Varst-1	137	435	43	41.98	717.20	759.18	20767.74	20725.76	
4 1/2 15.1# 13cr. 110y Varst-1	137	436	44	42.01	759.18	801.19	20725.76	20683.75	
4 1/2 15.1# 13cr. 110y Varst-1	137	437	45	42.00	801.19	843.19	20683.75	20641.75	
4 1/2 15.1# 13cr. 110y Varst-1	137	429	46	42.00	843.19	885.19	20641.75	20599.75	
4 1/2 15.1# 13cr. 110y Varst-1	137	430	47	42.00	885.19	927.19	20599.75	20557.75	
4 1/2 15.1# 13cr. 110y Varst-1	137	428	48	42.01	927.19	969.20	20557.75	20515.74	
4 1/2 15.1# 13cr. 110y Varst-1	137	431	49	42.01	969.20	1011.21	20515.74	20473.73	
4 1/2 15.1# 13cr. 110y Varst-1	137	432	50	42.02	1011.21	1053.23	20473.73	20431.71	
4 1/2 15.1# 13cr. 110y Varst-1	137	444	51	42.02	1053.23	1095.25	20431.71	20389.69	
4 1/2 15.1# 13cr. 110y Varst-1	137	445	52	41.99	1095.25	1137.24	20389.69	20347.70	
4 1/2 15.1# 13cr. 110y Varst-1	137	443	53	42.00	1137.24	1179.24	20347.70	20305.70	
4 1/2 15.1# 13cr. 110y Varst-1	137	446	54	41.98	1179.24	1221.22	20305.70	20263.72	
4 1/2 15.1# 13cr. 110y Varst-1	137	447	55	42.00	1221.22	1263.22	20263.72	20221.72	
4 1/2 15.1# 13cr. 110y Varst-1	137	438	56	41.99	1263.22	1305.21	20221.72	20179.73	
4 1/2 15.1# 13cr. 110y Varst-1	137	439	57	42.04	1305.21	1347.25	20179.73	20137.69	
4 1/2 15.1# 13cr. 110y Varst-1	137	440	58	41.99	1347.25	1389.24	20137.69	20095.70	
4 1/2 15.1# 13cr. 110y Varst-1	137	441	59	41.98	1389.24	1431.22	20095.70	20053.72	
4 1/2 15.1# 13cr. 110y Varst-1	137	442	60	42.00	1431.22	1473.22	20053.72	20011.72	
4 1/2 15.1# 13cr. 110y Varst-1	136	413	61	42.02	1473.22	1515.24	20011.72	19969.70	
4 1/2 15.1# 13cr. 110y Varst-1	136	414	62	42.00	1515.24	1557.24	19969.70	19927.70	
4 1/2 15.1# 13cr. 110y Varst-1	136	415	63	42.05	1557.24	1599.29	19927.70	19885.65	
4 1/2 15.1# 13cr. 110y Varst-1	136	416	64	41.78	1599.29	1641.07	19885.65	19843.87	
4 1/2 15.1# 13cr. 110y Varst-1	136	417	65	42.01	1641.07	1683.08	19843.87	19801.86	
4 1/2 15.1# 13cr. 110y Varst-1	136	408	66	41.98	1683.08	1725.06	19801.86	19759.88	
4 1/2 15.1# 13cr. 110y Varst-1	136	409	67	41.99	1725.06	1767.05	19759.88	19717.89	

- Another great advantage of SPI's Laser Tally service is *safety*. Personnel no longer have to stand on pipe racks to obtain measurements thus reducing the chance for accidents. The lasers used in our equipment are non-hazardous class II and will not pose a threat to those on the job site



- Possibly the greatest benefit of our laser tallying services is that measured pipe arrives on location reducing tally time and need for personnel



- Contact us for a more detailed presentation of Superior Performance's Laser Tally services. These are our typical activities; if additional services are needed we would be happy to discuss them with you at your convenience