

KEE ENERGY EQUIPMENT
JOEY KEEPING
P: 720-670-0470
E: jkeeping@keeltd.com

TUBULAR MANAGEMENT SERVICES

**Meeting all your tubular and
accessory needs in one call.**

**Tubular management programs
provide better asset utilization
and lower cost of ownership.**

**Global Inventory Management
and always hands on.**

Operations: 2165 Oil Drive Casper Wy, 82601
Mail: P.O. Box 1506 Castle Rock, Co 80104



KEE
ENERGY EQUIPMENT

OUR PURPOSE

- Inventory Management
- Offsite – Onsite Training
- Engineering and Technical Support
- Failure Analysis

INVENTORY HANDLING

- Procurement Management
- Inventory Management
- Vendor Auditing

FIELD SERVICES

- Running Assistance / Running Services

INSPECTION


- Inspection Management
- Validity of Damages and Repairs
- Hard Banding and Grinding

USAGE SERVICES


- Sales Coordination
- Asset liquidation (End Of Life / Surplus Sales)

Complete drill strings are a high-cost consumable for anyone Drilling. With the increase of directional and horizontal wells in today's drilling programs, properly managing your pipe to increase the life cycle and in turn, minimize running costs and cost of ownership.

KEE Energy Equipment provides Tubular Management Services from beginning to end while delivering exceptional services with a hands on approach to save time and money.

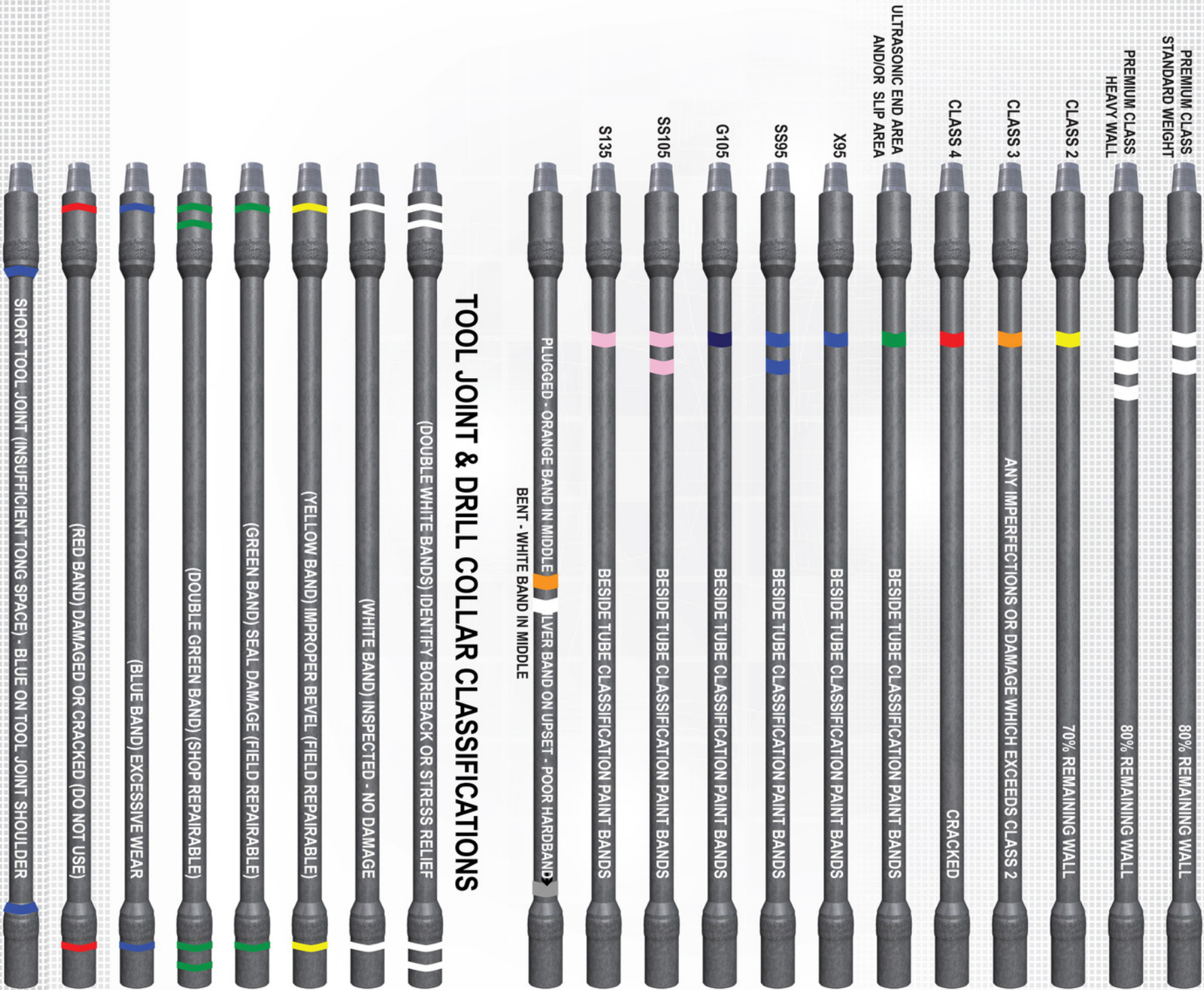


KEE's tubular management services improve long-term, high-volume operations by addressing your specific needs for cost reduction, standardized inspection and ensured quality, monitoring, and management. A one-call service from start to stop increasing cost efficiency, eliminating multiple calls, eliminating multiple vendor interactions, allowing you to focus on the most important item, the drilling operation.



KEE Energy Equipment is with you for all of your tubular needs from technical services, handling tools, inventory management and field services. We are with you every step of the way, making life easier.

DRILL PIPE CLASSIFICATIONS



DRILL PIPE SPECIFICATIONS														
SIZE	NORMAL WEIGHT	GRADE	TOOL JOINT		CONN	TINSEL (lbs)		TORSIONAL (ft-lbs)		MAKE-UP TORQUE (ft-lbs)		CAP (gal/ft)	DIS (gal/ft) CLOSED	DRIFT SIZE
			OD	ID		TUBE	TOOL JOINT	TUBE	TOOL JOINT	OPTIMAL	MIN			
4"	14.00	S135	4.875	2.6875	VX39	514,000	783,000	41,900	35,400	21,200	20,200	0.44	0.68	2.563
4"	14.00	S135	4.875	2.813	VT39	513,600	603,000	41,900	32,900	19,800	12,400	0.44	0.68	2.688
4"	14.00	S135	5.25	2.5625	NC40	513,600	822,900	41,900	27,700	16,600	15,700	0.44	0.68	2.438
4"	14.00	S135	5.25	2.5625	DS40	513,600	908,000	41,900	27,700	24,700	19,800	0.44	0.68	2.438
4"	14.00	S135	4.875	2.5625	CPC39	513,600	728,231	41,900	32,942	20,400	19,400	0.44	0.68	2.563
4"	15.70	S135	5.25	2.5625	NC40	454,000	908,000	36,100	41,200	16,600	15,700	0.41	0.69	2.438
4"	15.70	G105	5.25	2.5625	DS40	583,000	908,000	46,500	41,200	24,700	19,800	0.41	0.68	2.438
4 1/2"	16.60	S135	5.25	3	DELTA 425	595,004	786,353	55,453	39,000	26,000	24,500	0.568	0.824	2.875
4 1/2"	16.60	S135	6.25	3	NC46	463,000	1,050,000	43,100	55,500	23,400	22,200	0.58	0.87	2.625
4 1/2"	16.60	S135	6.25	2.75	NC46	595,000	1,180,000	44,400	67,810	26,600	25,300	0.58	0.87	2.562
4 1/2"	16.60	SS105	6.25	2.75	DS46	595,000	1,282,566	55,453	33,220	40,500	29,800	0.58	0.87	2.625
4 1/2"	16.60	S135	5.25	2.5625	DS40	462,781	768,402	43,130	33,220	19,930	16,460	0.56	0.824	2.438
4 1/2"	16.60	S135	5.25	2.5625	DS40	595,400	908,111	55,453	39,265	23,500	20,900	0.56	0.824	2.438
4 1/2"	16.60	G105	5.25	3	CPC43	595,400	908,111	55,453	38,900	26,500	25,200	0.568	0.824	2.875
5"	19.50	S135	6.625	3.25	NC50	553,833	1,269,000	57,633	51,200	30,730	21,950	0.728	1.07	3.125
5"	19.50	S135	6.625	2.75	NC50	712,070	1,551,700	74,100	63,400	38,036	28,381	0.698	1.07	2.625
5"	19.50	SS105	6.625	3	DS50	553,833	1,298,206	57,633	75,890	45,500	38,500	0.71	1.07	2.875
5"	19.50	S135	6.625	3	DS50	712,070	1,543,243	74,100	89,690	53,800	49,600	0.71	1.07	2.875

HEAVY WEIGHT DRILL PIPE SPECIFICAIONS										
SIZE	CONN	TOOL JOINT		TENSILE (lbs)		TORSIONAL (ft-lbs)		MAKE-UP TORQUE (ft-lbs) RECOM'D	WEIGHT	DRIFT
		OD	ID	TUBE	TOOL JOINT	TUBE	TOOL JOINT			
4"	XT39	5	2.5625	407,600	724,100	27,600	40,800	22,500	905	2.438
4"	VX39	4.875	2.5625	408,000	785,000	27,600	34,300	20,600	895	2.438
4"	NC40	5.25	2.5625	407,600	768,400	27,600	22,000	15,200	915	2.438
4"	DS40	5.25	2.6875	407,600	838,000	27,600	38,000	22,800	915	2.438
4"	CPC39	4.875	2.6875	407,600	785,000	27,600	36,994	22,500	980	2.438
4 ½"	DELTA 425	5.25	2.75	548,100	835,600	40,700		26,800	1,165	2.625
4 ½"	NC46	6.25	2.75	548,100	1,151,000	40,700	43,600	25,800	1,285	2.625
4 ½"	DS46	6.25	2.8125	533,000	1,150,000	40,100	62,200	37,300	1,285	2.6875
4 ½"	DS40	5.25	2.6875	972,007	761,006	71,333	32,686	20,100	1,210	2.438
4 ½"	CPC43	5.25	3	972,007	761,006	71,333	32,686	25,300	1,200	2.875
5"	NC50	6.5	3	691,200	1,266,000	56,500	57,800	34,500	1,590	2.875
5"	DS50	6.875	3	691,200	1,420,000	56,500	80,700	48,400	1,550	2.875

CONNECTION INTERGANEABILITY			
	NC38 (3 1/2 IF)	DS38	
	NC40 (4FH)	DS40	
	NC46 (4 1/2 XH)	DS46	
	NC50 (4 1/2 IF)	DS50	
	VAM VX39	N/C	
	NOV XT39	N/C	
	NOV DELTA 425	N/C	
	CPC39	CET/UT/MT39	
	CPC39	CET/UT/MT43	

When Matching Up API to Compatible Double Shoulder, Lower Torque Value Apply

DRILL COLLAR SPECIFICATIONS							
SIZE		CONN	TENSILE (lbs) TOOL JOINT	TORSIONAL (ft-lbs) TOOL JOINT	MAKE-UP TORQUE (ft-lbs) RECOM'D	WEIGHT	
OD	ID					SLICK	SPIRAL
4 ¾"	2 ¼"	NC38	725,000	17,600	9,600	1,431	1,265
5"	2 ¼"	NC38	725,000	22,717	12,900	1,652	1,456
6 ¾"	2 ¼"	NC46	1,055,200	39,500	23,500	2,806	2,673
6 ½"	2 ¼"	NC46	1,301,200	49,400	28,000	3,085	2,759
6 ¾"	2 13/16	NC50	1,392,362	56,807	32,300	3,364	3,165
8"	2 13/16	6 5/8 REG	1,834,534	85,354	53,300	4,675	4,495

COLOR LEGEND

PERFORMANCE DRILLING	COMPATIBLE DOUBLE SHOULDER	LICENCED HIGH TORQUE	IRP SOUR SOURCE
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CONTACT INFORMATION

Joey Keeping
720-670-0470
jkeeping@keeltd.com

Frank Dodge
720-445-2535
frank@keeltd.com