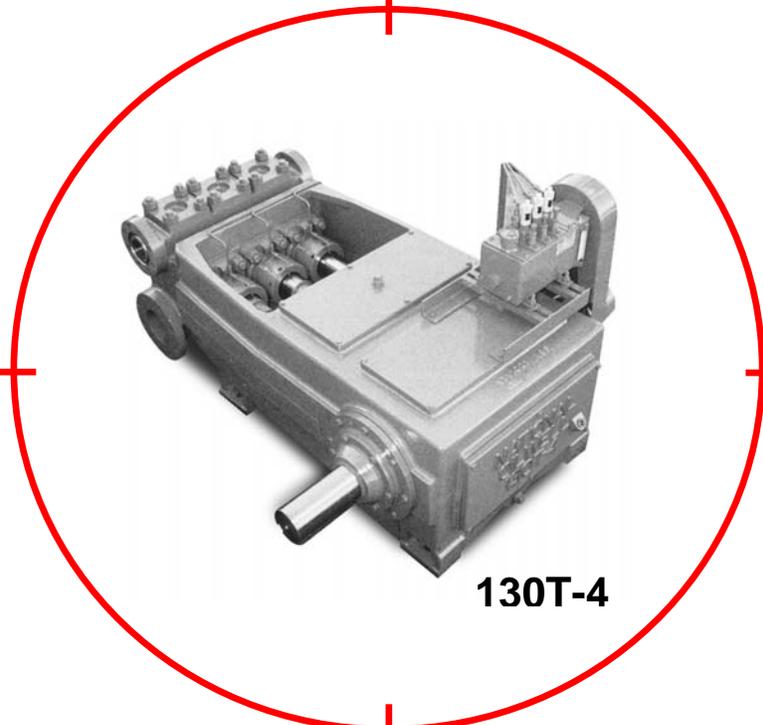
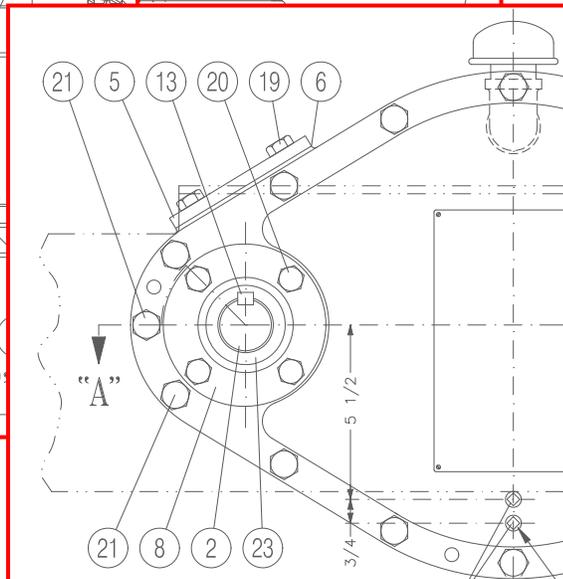
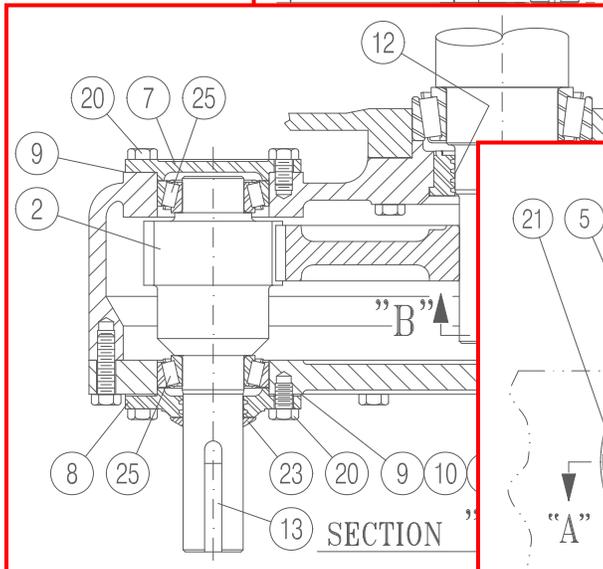
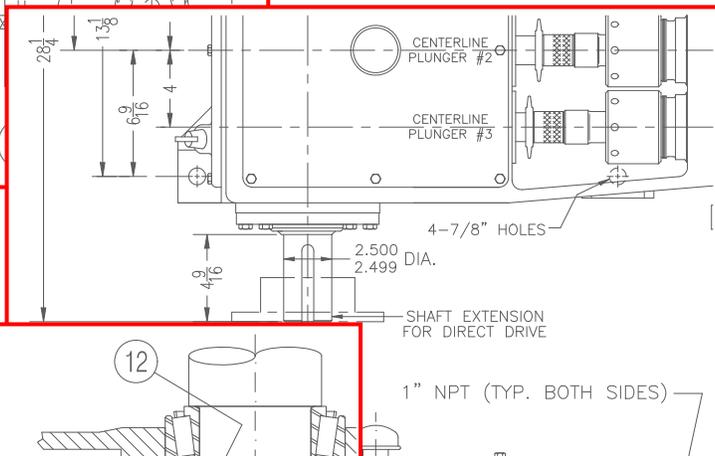
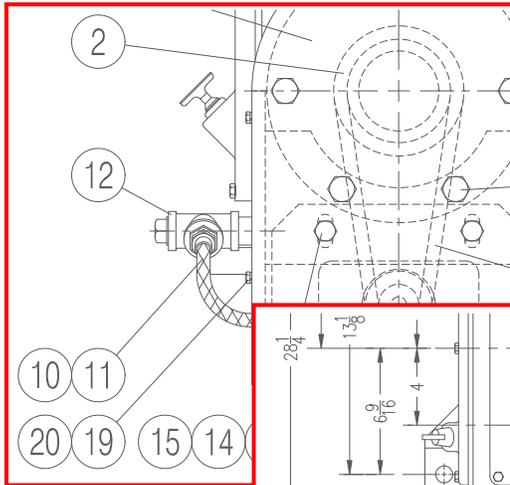


130T-4 Triplex Plunger Pump Parts List



130T-4

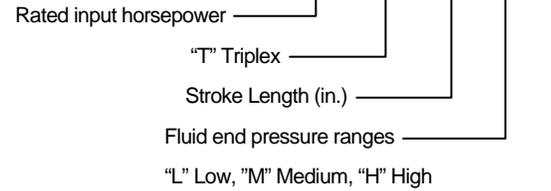
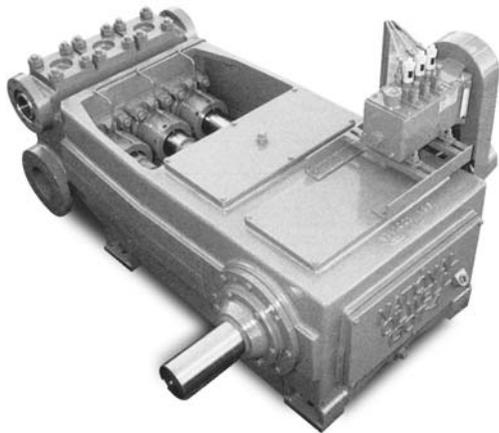


Types:
130T-4L
130T-4M
130T-4H

Sales / Technical Information

USA Tollfree: 1 (800) 324-4706
Phone: 1 (918) 447-4600
Fax: 1 (918) 447-4677
Internet: <http://www.nov.com>

REVISED: JUNE 18, 2009
 REVISED: AUGUST 21, 2007
 REVISED: FEBRUARY 4, 2005
 ISSUE: OCTOBER 23, 2003

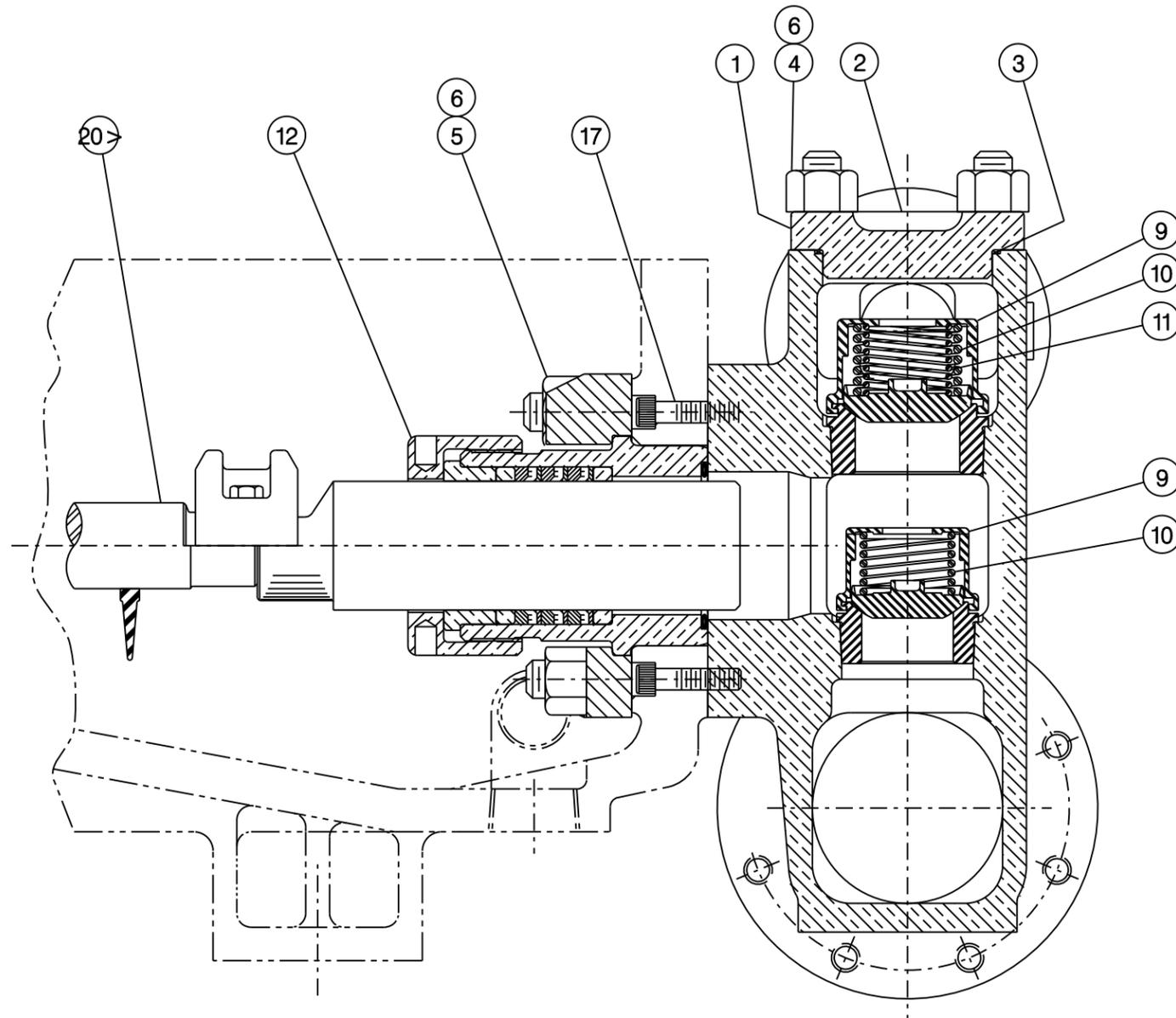


Index and Check List:

PAGE	DWG. NUMBER	DESCRIPTION	SERIES OF ISSUE	DATE OF ISSUE
1	1711871-13	ASSEMBLY, FLUID END, 130T-4L – ALUM. BRZ.	SECOND	8-21-07
2	1711872-13	ASSEMBLY, FLUID END, 130T-4M – ALUM. BRZ.	SECOND	8-21-07
3	1711873-13	ASSEMBLY, FLUID END, 130T-4M – ALUM. BRZ.	SECOND	8-21-07
4	1711874-13	ASSEMBLY, FLUID END, 130T-4H – ALUM. BRZ.	SECOND	8-21-07
5	1711877-13	ASSEMBLY, POWER END	SECOND	8-21-07
6	1711878-13	ASSEMBLY, CRANKSHAFT	THIRD	3-2-07
7	1711879-13	ASSEMBLY, SEVERE DUTY VALVE	SECOND	8-21-07
8	1711880-13	CAGE VALVE SERVICE – S.S. PLATE, BOTTOM GUIDED AND BALL AND SEAT	FIRST	05-16-00
9	1711881-13	VALVE SERVICE KITS – SPHERICAL SEAT	SECOND	08-21-07
10	1711882-13	VALVE SERVICE KITS – NOV TAPERED SEAT AND CAGE TYPE	FIRST	05-16-00
11	1711883-13	ASSEMBLY, GEAR REDUCER (ALL RATIOS)	SECOND	10-23-03
12	1711884-13	ASSEMBLY, PLUNGER KIT – 130T-4L AND 4M	SECOND	7-19-07
13	1711885-13	ASSEMBLY, PLUNGER KIT – 130T-4M AND 4H (HIGH PRESSURE)	FIRST	05-16-00
14	1711886-13	S.S. PLUNGER KITS W/ KEVLAR PACKING – 130T-4L AND 4M	FIFTH	11-08-07
15	1711887-13	S.S. PLUNGER KITS W/ KEVLAR PACKING – 130T-4H	FIRST	05-16-00
16	1711888-13	PLUNGER W/ INTERM. ROD ASSY. STRAIGHT / TAPERED CLAMP	SECOND	7-19-07
17	1711889-13	PLUNGER W/ INTERM. ROD ASSY. – THREADED PLUNGER	THIRD	12-08-08
18	1711890-13	ASSEMBLY, LUBRICATOR PIPING	FIRST	05-16-00
19	1711891-13	OPTIONAL ACCESSORIES	FIRST	05-16-00
20	1711892-13	LOW PRESSURE IN-LINE SUCTION DAMPENERS (WELD-ON)	FIRST	05-16-00
21	1711893-13	HIGH PRESSURE IN-LINE SUCTION DAMPENERS (WELD-ON)	FIRST	05-16-00
22	1711895-13	LINER AND PISTON ASSEMBLY – 4”	FIRST	05-16-00
23	1711896-13	OUTLINE DRAWING WITHOUT GEAR REDUCER	FIRST	05-16-00
24	1711897-13	OUTLINE DRAWING WITH GEAR REDUCER	FIRST	05-16-00

Revisions effective June 18, 2009 – revised pages 14 and 17.

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M	NO
A	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPG	8.21.07			



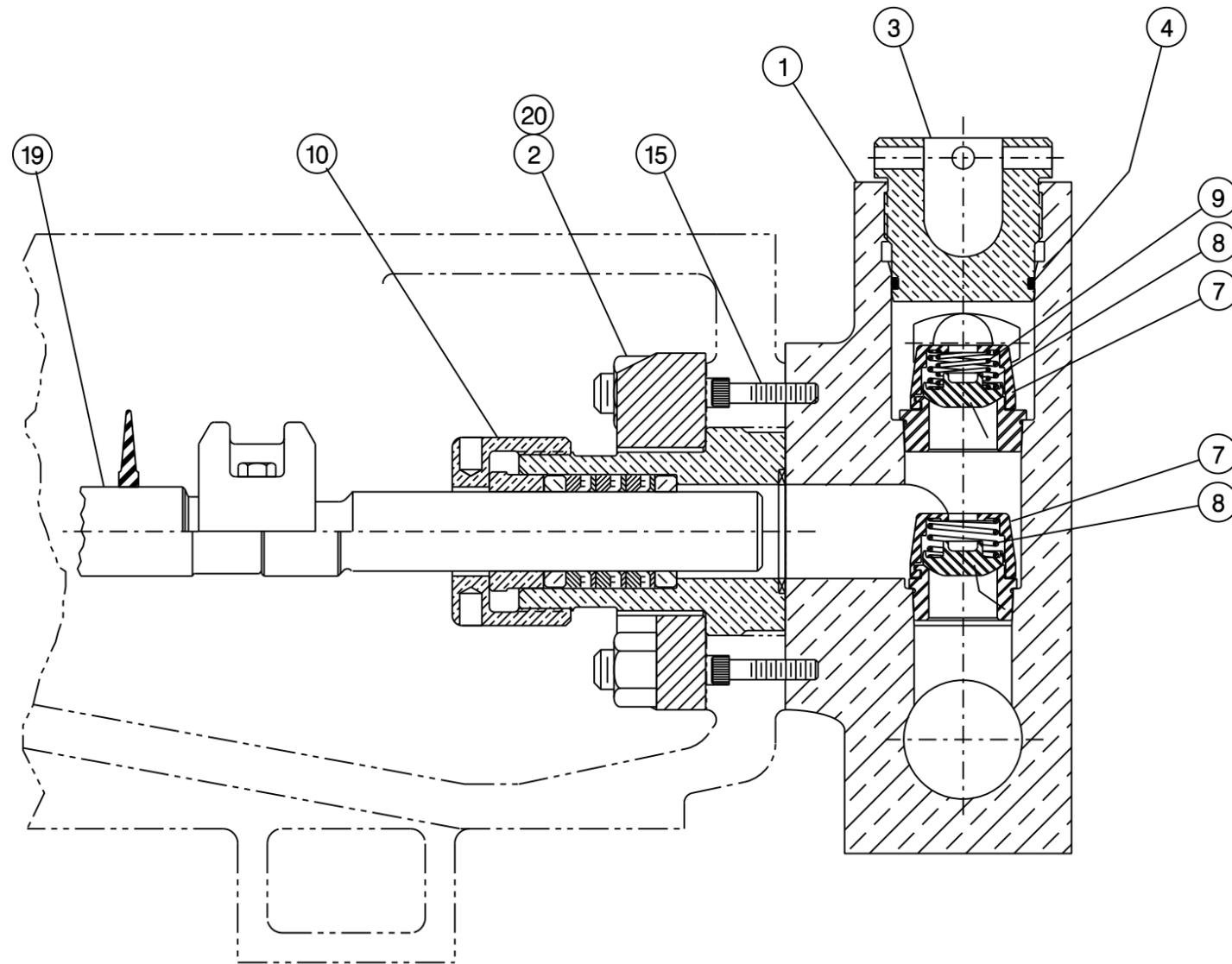
QTY REQD	PART NO.	DESCRIPTION	ITEM NO.
*	1	1710270 BAR,STUFFING BOX ADJUSTING NUT	21
	3	SEE PAGES 16 & 17 ROD, INTMD (CLAMP OR THD TYPE LISTING)	20
Δ	16	7000442-11 SCREW, 3/4"-10 x 2 1/2" HEX HD CAP (DISCH. CONN.)	19
Δ	16	7000440-11 SCREW, 3/4" x 2" HEX HD CAP (SUCTION CONN.)	18
	4	7006309 SCREW, 1/2"-13 x 2 1/4" HEX SOC HD CAP	17
Δ	2	6908019 RING, OVAL JOINT R-26	16
Δ	2	6010021 GASKET, 5" FLAT RING - 150*	15
⊗	2	*1080 CAPLUG	14
⊗	2	*44 CAPLUG	13
	3	SEE PAGES 12-15 STD. PLUNGER KIT LISTING	12
	1	1793526 SPRING, INNER	11
	1	1793525 SPRING, OUTER	10
	1	1793524-6 RETAINER, SPRING	9
	3	1793522-25 VALVE CPT, SPHERICAL DISCH.	8
	3	1793520-25 VALVE CPT, SPHERICAL SUCT.	7
	12	6300160 NUT, 1"-8 HVY. HEX	6
	12	49003081 STUD, 1"-8 x 6"	5
	12	10000185 STUD, 1" x 3 3/4"	4
	3	2410031-247 SEAL, TOP COVER	3
	1	1711073 COVER, CYLINDER TOP	2
	1	171135714-13 CYLINDER ONLY, FLUID	1
ITEM NOT SHOWN FOR CLARITY			
⊗ FOR SHIPPING PURPOSES ONLY			
Δ SHIPPED SEPERATELY			
LIST OF MATERIAL			

1

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY

NOV NATIONAL OILWELL VARCO			
TITLE ASSY. FLUID END			
130T-4L TRIPLEX PLUNGER PUMP			
SIZE	REFERENCE No.	DRAWING No.	REV
D		1711871-13	A
SCALE	EST WT	SHEET 1 OF 1	
NONE			

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPO	8.21.07		



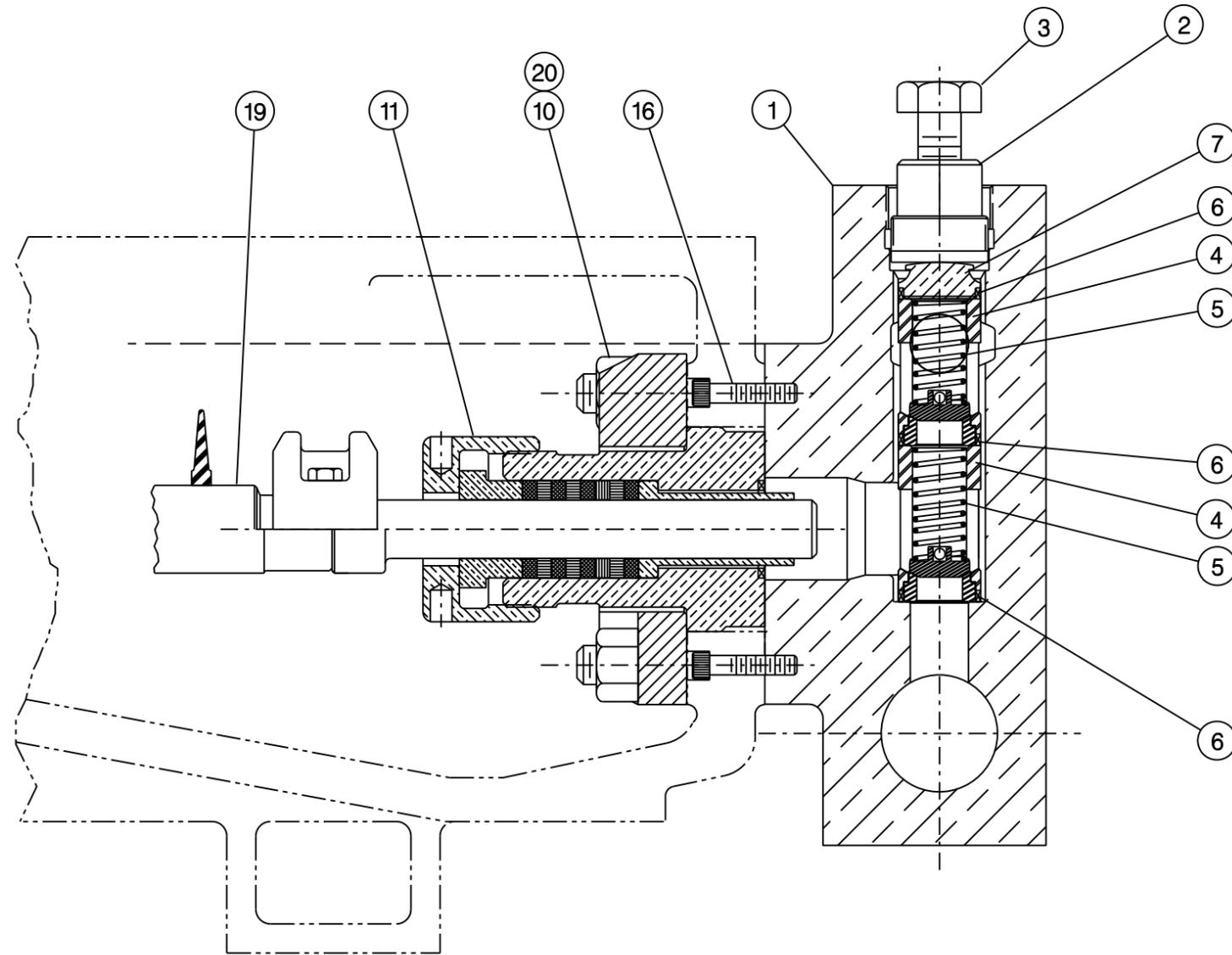
	12	6300160	NUT, 1"-8 HVY. HEX	20
	3	SEE PAGES 16 & 17	ROD, INTMD (CLAMP OR THD TYPE LISTING)	19
*	1	1710270	BAR, STUFFING BOX ADJUSTING NUT	18
⊗	8	7000397-11	SCREW, 5/8"x 2" HEX HD CAP (SUCTION CONN.)	17
⊗	8	7000525-10	SCREW, 1" x 2 3/4" HEX HD CAP (DISCH. CONN.)	16
	4	7006309	SCREW, 1/2"x 2 1/4" HEX SOC HD CAP	15
⊗	2	6908004	RING, OVAL JOINT R-20	14
⊗	2	6010019	GASKET, 3" FLAT RING	13
△	2	*55-A	CAPLUG	12
△	2	*15	CAPLUG	11
	3	SEE PAGES 12-15	STD. PLUNGER KIT LISTING	10
	1	1792526	SPRING, INNER	9
	1	1792525	SPRING, OUTER	8
	1	17925246	RETAINER, SPRING	7
	3	1792522-25	VALVE CPT, SPHERICAL DISCH.	6
	3	1792520-25	VALVE CPT, SPHERICAL SUCTION	5
	3	99609339	O-RING 3 5/8"x 3 1/4"x 3/16"	4
	3	1711417	COVER, VALVE	3
	12	49003081	STUD, 1"-8 x 6"	2
	1	171141214-13	CYLINDER ONLY, FULL	1
QTY REQ'D	PART NO.	DESCRIPTION		ITEM NO.
* ITEM NOT SHOWN FOR CLARITY ⊗ FOR SHIPPING PURPOSES ONLY △ SHIPPED SEPERATELY				
LIST OF MATERIAL				

2

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY

NOV NATIONAL OILWELL VARCO			
TITLE ASSY. FLUID END 130T-4M TRIPLEX PLUNGER PUMP			
SIZE	REFERENCE No.	DRAWING No.	REV
D		1711872-13	A
SCALE	EST WT	SHEET 1 OF 1	
NONE			

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M	NO
A	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPG	8.21.07			

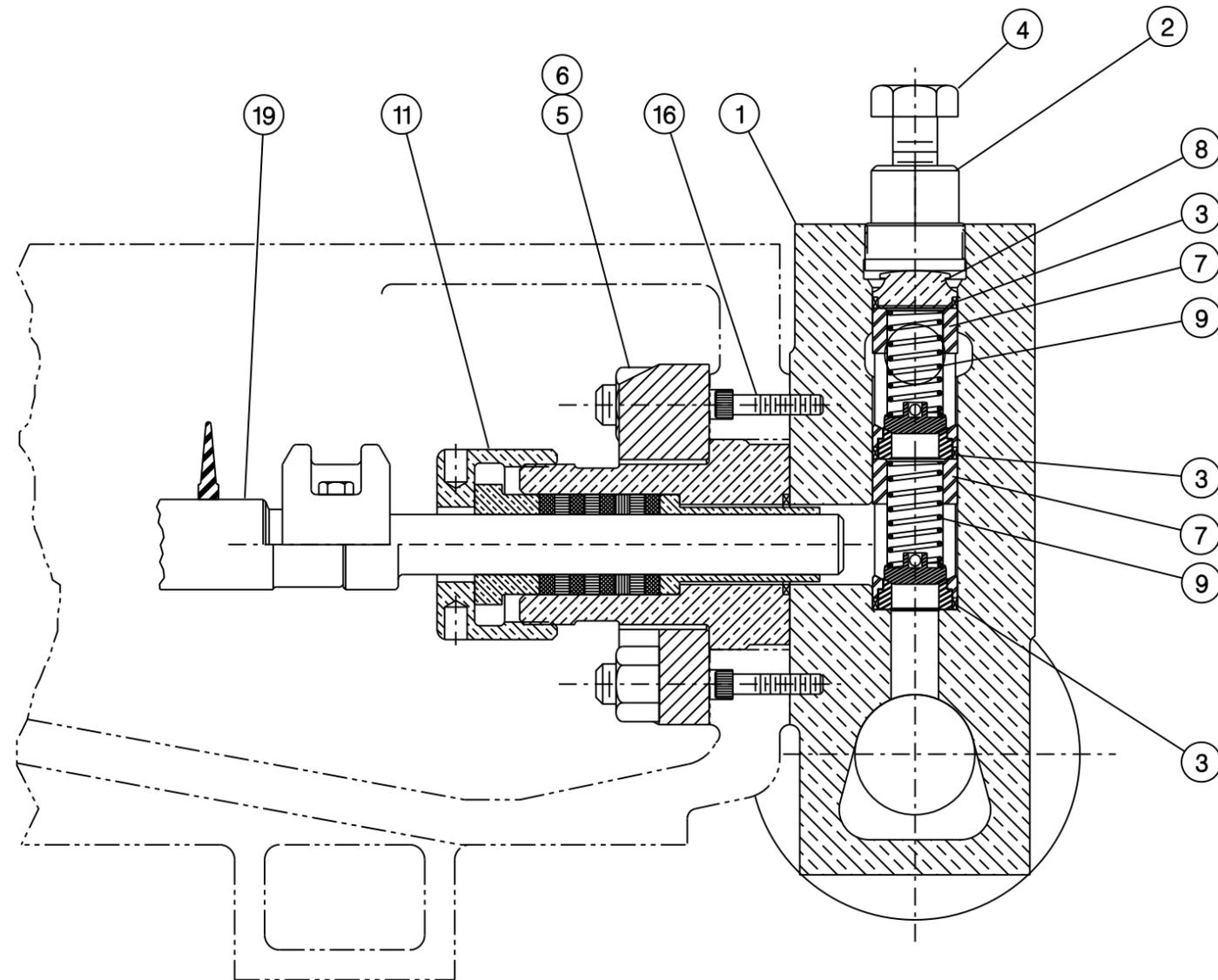


	12	6300160	NUT, 1"-8 HVY. HEX	20
	3	SEE PAGES 16 & 17	ROD, INT. (CLAMP OR THREADED OPTION)	19
Δ	8	700039711	SCREW, 5/8" x 2" HEX HD CAP (SUCTION CONN.)	18
Δ	8	700052510	SCREW, 1" x 2 3/4" HEX HD CAP (DISCHARGE CONN.)	17
	4	7006309	SCREW, 1/2"-13 x 2 1/4" HEX SOC HD CAP	16
Δ	2	6908004	RING, OVAL JOINT R-20	15
Δ	2	6010019	GASKET, 3" FLAT RING	14
⊗	2	*55-A	CAPLUG	13
⊗	2	*15	CAPLUG	12
	3	SEE PAGES 12-15	STD. PLUNGER KIT LISTING	11
	12	49003081	STUD, 1"-8 x 6"	10
*	1	1710270	BAR, STUFFING BOX ADJUSTING NUT	9
	6	1717090-25	VALVE CPT, SPHERICAL	8
	3	17113872	RETAINER, VALVE CAGE	7
	9	1712373	SEAL, VALVE CAGE	6
	6	1712486	SPRING, BALL VALVE	5
	6	17125854	CAGE, VALVE	4
	3	1713410	SCREW, CAGE LOADING	3
	3	17094842	COVER CYLINDER TOP	2
	1	171138014-13	CYLINDER ONLY, FULID	1
QTY REQ'D	PART NO.	DESCRIPTION		ITEM NO.
		* ITEM NOT SHOWN FOR CLARITY		
		⊗ FOR SHIPPING PURPOSES ONLY		
		Δ SHIPPED SEPERATELY		
LIST OF MATERIAL				

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY

NOV NATIONAL OILWELL VARCO				
TITLE				
ASSY., FLUID END				
130T-4M14AF TRIPLEX PLUNGER PUMP				
SIZE	REFERENCE No.	DRAWING No.	REV	
D		1711873-13	A	
SCALE	EST WT	SHEET 1 OF 1		
NONE				

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPO	8.21.07		



* 1	1710270	BAR, STUFFING BOX ADJUSTING NUT	20
3	SEE PAGES 16-17	ROD, INTMD (CLAMP OR THD TYPE LISTING)	19
Δ 8	700056810	SCREW, 1/8" x 4 " HEX HD CAP (DISCH. CONN.)	18
Δ 16	700044211	SCREW, 3/4"-10 x 2 1/2" HEX HD CAP (SUCTION CONN.)	17
4	7006309	SCREW, 1/2"-13 x 2 1/4" HEX SOC HD CAP	16
2	6908011	RING, OVAL JOINT R-23	15
2	6010022	GASKET, 3" FLAT RING	14
2	*210	CAPLUG	13
2	*1050	CAPLUG	12
3	SEE PAGES 12-15	STD. PLUNGER KIT LISTING	11
6	1711450-25	VALVE CPT, SPHERICAL	10
6	1711306	SPRING, BALL VALVE	9
3	1711387-2	RETAINER, BALL VALVE	8
6	1711405-4	CAGE, BALL VALVE	7
12	6300160	NUT, 1"-8 HVY. HEX	6
12	49003081	STUD, 1"-8 x 6"	5
3	1713410	SCREW, CAGE LOADING	4
9	1711112	SEAL, VALVE CAGE	3
3	1711388-2	COVER, CYLINDER TOP	2
1	171129414-13	CYLINDER ONLY, FULID	1
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
ITEM NOT SHOWN FOR CLARITY			
⊗ FOR SHIPPING PURPOSES ONLY			
Δ SHIPPED SEPERATELY			
LIST OF MATERIAL			

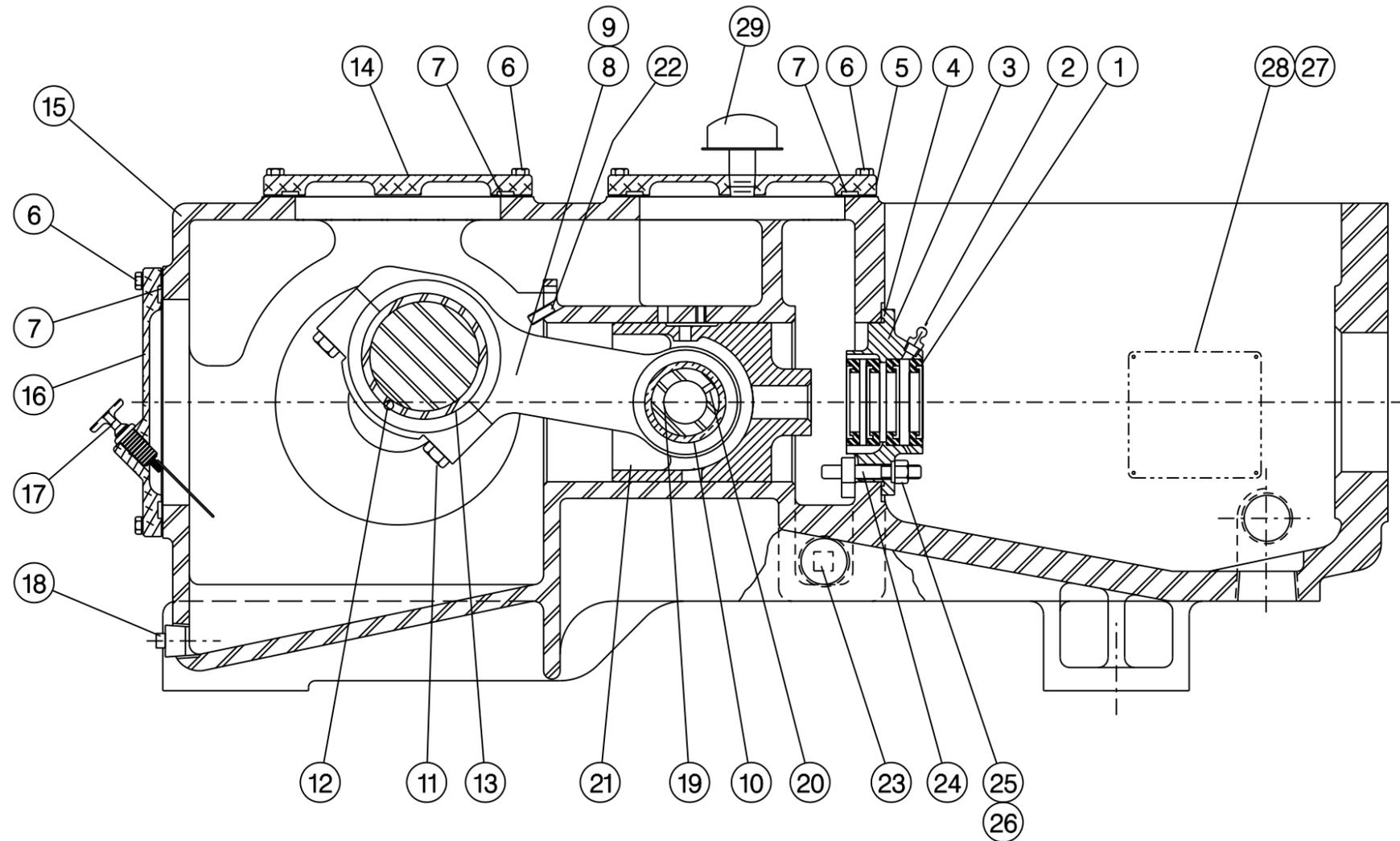
4

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY

NOV NATIONAL OILWELL VARCO

TITLE ASSEMBLY, FLUID END
130T-4H14SF TRIPLEX PLUNGER PUMP)

SIZE	REFERENCE No.	DRAWING No.	REV
D		1711874-13	A
SCALE	EST WT	SHEET 1 OF 1	
NONE			

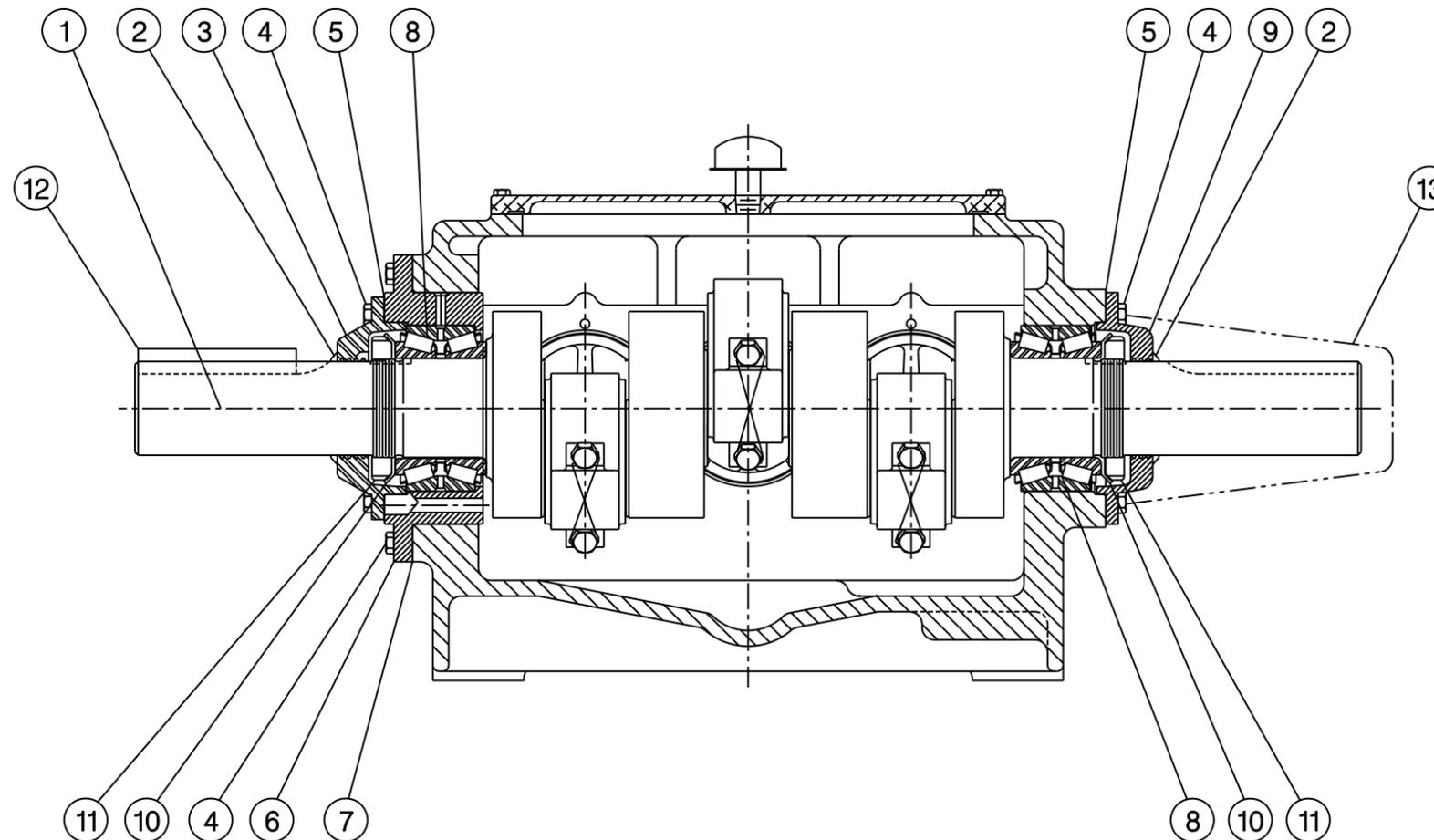


1	7802020	BREATHER CAP	29
1	G2407274	PLATE, WARNING	28
8	25854647	SCREW, RD. HD. DRIVE	27
6	7618018	WASHER, 1/2" STAT-O-SEAL	26
6	6308080	NUT, 1/2" STAINLESS LOC	25
6	1716031	BOLT, INTERMEDIATE HOOK	24
1	6874012	PLUG, 1/2" STD. PIPE	23
3	6572420	PIN, SPRING ROLL	22
3	1711005	CROSSHEAD	21
1	H7028104	SCREW, 1/4"x 1/2" SOC. HD. CONE PT. SET	20
3	1711008	PIN, CROSSHEAD (INCLUDES ITEM *20)	19
2	6874008	PLUG, 1" STD. PIPE	18
1	2400054	GAUGE, DIPSTICK OIL	17
1	1711015-13	PLATE, POWER END REAR COVER	16
1	1711001-13	FRAME, MAIN	15
QTY REQ'D	PART NO.	DESCRIPTION/MATERIAL	ITEM NO.
LIST OF MATERIAL			

1	1711013	PLATE, POWER END TOP COVER	14
3	1711117	BUSHING, ALUM.	13
1	6510504	PIN, 5/16" x 1/2" DOWEL	12
2	1711116	BOLT, CONN. ROD	11
1	1711010	BUSHING, BRONZE	10
1	1711113	ROD ONLY, CONN.	9
3	G-1711114	ROD COMPLETE (INCLUDES ITEMS *9 THRU *12)	8
1	1711435	GASKET, REAR COVER PLATE	7
1		GASKET, TOP COVER PLATE	
1		GASKET, CROSSHEAD COVER PLATE	
LISTED	7000209-11	SCREW, 3/8" x 1/4" HEX HEAD CAP	6
1	1711014	PLATE, CROSSHEAD COVER	5
3	G-2410031-258	SEAL, INT. ROD WIPER RETAINER	4
3	G-1711309	RETAINER, INT. ROD WIPER	3
3	7805052	FITTING, ALEMITE 1/8"	2
12	7822034	WIPER, INT. ROD	1
QTY REQ'D	PART NO.	DESCRIPTION/MATERIAL	ITEM NO.
LIST OF MATERIAL			

NOV NATIONAL OILWELL VARCO			
TITLE POWER END ASSEMBLY 130T-4 TRIPLEX PUMP			
SIZE D	REFERENCE No.	DRAWING No. 1711877-13	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	QTY. REQ'D. WAS 'LISTED'	DCP	RPQ	10-27-00		
B	WAS PART No. G-1711002	DCP	RPQ	03.02.07		

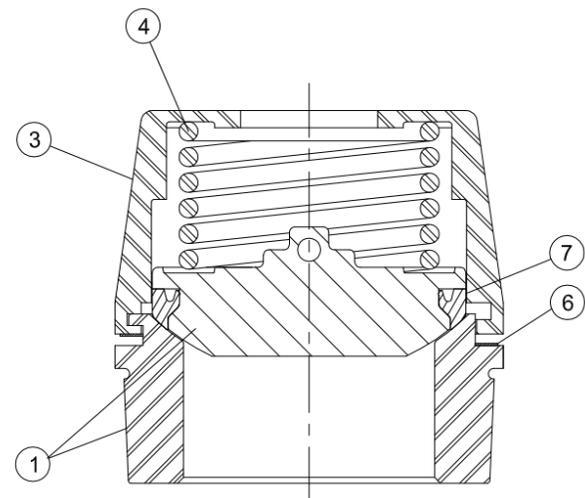


**	1	1711129	COVER, CRANKSHAFT EXT. (SLOTTED LUBRICATOR)	13
*	1	1711128	COVER, CRANKSHAFT EXT. (SOLID)	
	1	2404027	KEY, CRANKSHAFT 7/8x7/8x 6 SQ.	12
	2	6304040	NUT, TIMKEN TAN-20 LOCK	11
	2	7610042	WASHER, TIMKEN NO. TW-120 LOCK	10
	1	1711022	RETAINER, CRANKSHFT BEARING	9
	2	ZT-4006	BEARING, CRANKSHAFT ROLLER	8
	1	1711614	GASKET, MAIN BEARING CAGE	7
	1	1711617	CAGE, MAIN BEARING	6
	2	1703960	GASKET, CRANKSHAFT BEARING RETAINERS	5
	2		FOR CRANKSHAFT BEARING RETAINERS	
	12		FOR MAIN BEARING CAGE	
[A]	20	2401510	SCREW, 1/2" x 1 1/2" DRILLED HD.	4
	1	1711618	RETAINER, CRANKSHAFT BRG.	3
	2	1704800	EXCLUDER, DIRT (1-ONLY W/G. REDUCER)	2
[B]	1	171100213	CRANKSHAFT	1
	QTY REQ'D	PART No.	DESCRIPTION/MATERIAL	ITEM No.
LIST OF MATERIAL				

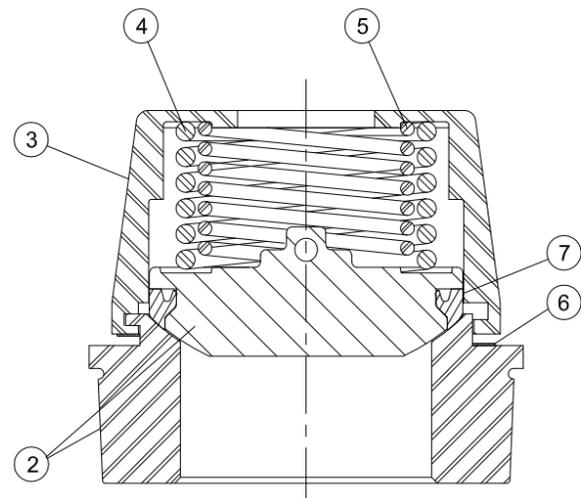
* FURNISHED ONLY WHEN NO ACCESSORY DRIVES ARE REQUIRED
 ** OPTIONAL EQUIPMENT

NOV NATIONAL OILWELL VARCO			
TITLE CRANKSHAFT ASSEMBLY 130T-4 TRIPLEX PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711878-13	REV B
SCALE 1/8	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	WAS DURABLA TAPERED SEAT VALVE ASSY	WFL	RPQ	8.21.07		



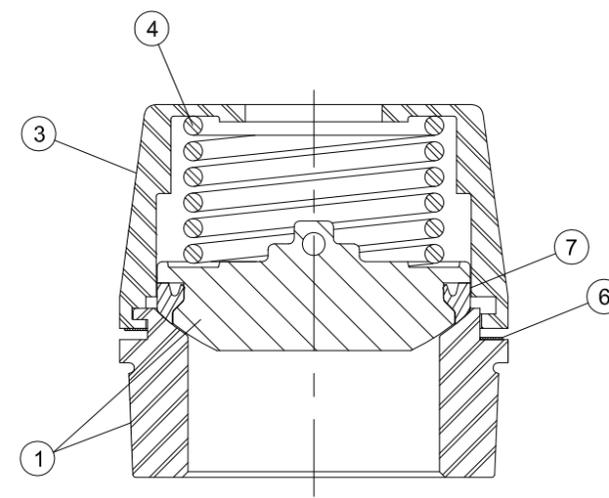
SUCTION



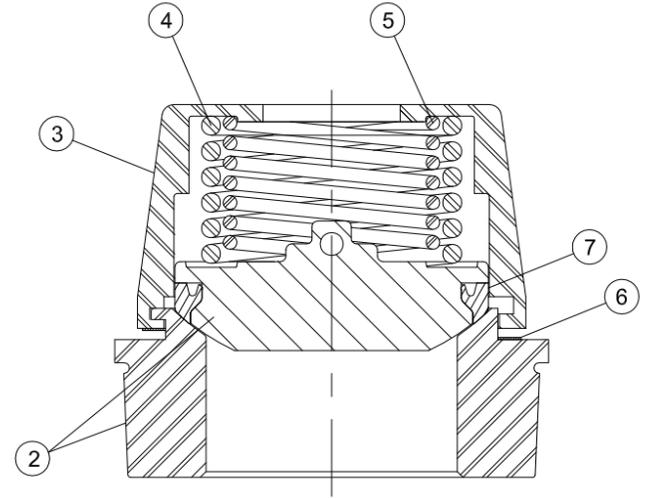
DISCHARGE

1	9707075	SEAL / INSERT	7
1	9707081	WAVE RING	6
1	1793526	SPRING, INNER	5
1	1793525	SPRING, OUTER	4
1	1793524-6W	RETAINER, SPRING	3
1	1793522-25SD	VALVE CPT., DISCHARGE - SEVERE DUTY	2
1	1793520-25SD	VALVE CPT., SUCTION - SEVERE DUTY	1
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.

130T-4L
TAPERED SEAT
SPHERICAL SD TYPE



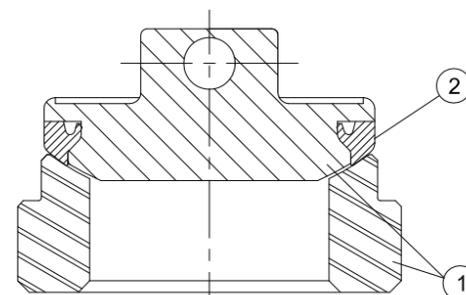
SUCTION



DISCHARGE

1	9707087	SEAL / INSERT	7
1	9707083	WAVE RING	6
1	1792526	SPRING, INNER	5
1	1792525	SPRING, OUTER	4
1	1792524-6W	RETAINER, SPRING	3
1	1792522-25SD	VALVE CPT., DISCHARGE - SEVERE DUTY	2
1	1792520-25SD	VALVE CPT., SUCTION - SEVERE DUTY	1
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.

130T-4M
TAPERED SEAT
SPHERICAL SD TYPE



SUCTION & DISCHARGE

1	9707090	SEAL / INSERT	2
1	1711450-25SD	VALVE CPT., SUCTION & DISCHARGE - SEVERE DUTY	1
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.

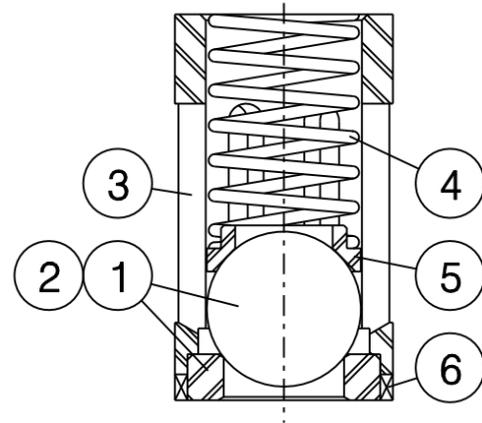
130T-4H
CAGE TYPE
SPHERICAL SD TYPE

NOV NATIONAL OILWELL VARCO
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE: SEVERE DUTY VALVE ASSY.
130T-4 TRIPLEX PLUNGER PUMP

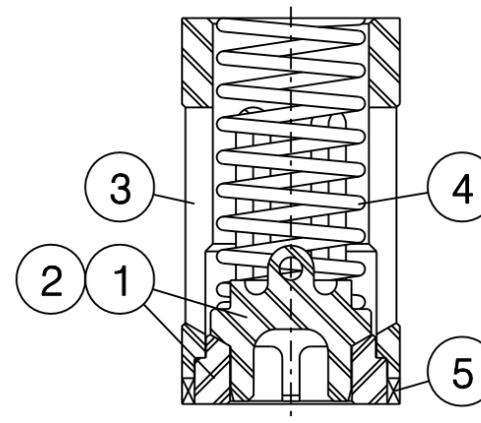
SIZE B	REFERENCE No.	DRAWING No. 171187913	REV A
SCALE	EST WT	SHEET 1 OF 1	

1	1712373	1711112	SEAL	6
1	1712372	1711105	RETAINER, SPRING	5
1	1712371	1711103	SPRING	4
1	1712370-4	1711101-6	CAGE	3
1	1712367	1711106	VALVE & SEAT (DISCHARGE)	2
1	1712367	1711106	VALVE & SEAT (SUCTION)	1
QTY REQ'D	PART No. 130T-4M	PART No. 130T-4H	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



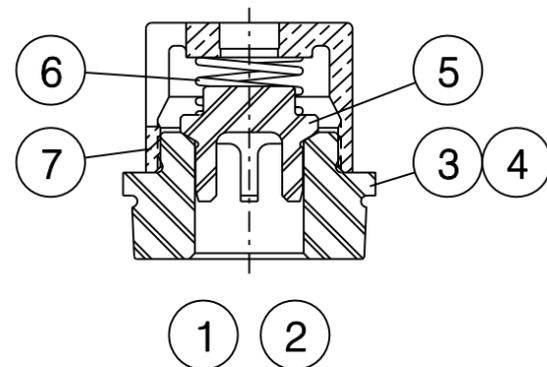
130T - 4M &
130T - 4H
CAGE TYPE
BALL VALVE

1	1712373	1711112	SEAL	5
1	1712486	1711306	SPRING	4
1	17125854	17114054	CAGE	3
1	1717080-25	1711500-25	VALVE & SEAT (DISCHARGE)	2
1	1717080-25	1711500-25	VALVE & SEAT (SUCTION)	1
QTY REQ'D	PART No. 130T-4M	PART No. 130T-4H	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



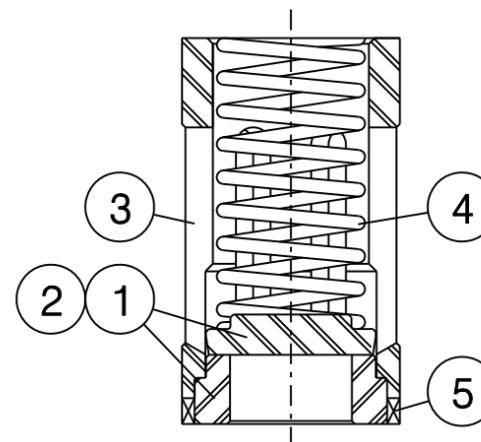
130T - 4MCA & 4HCA
BOTTOM GUIDED
CAGE TYPE VALVE

1	17930426	179250426	RETAINER, SPRING	7
1	1793505P	1792505P	SPRING	6
1	1790067	1790066	VALVE	5
1		17925034	SEAT, VALVE - DISCHARGE	4
1		17925014	SEAT, VALVE - SUCTION	
1	17935034		SEAT, VALVE - DISCHARGE	3
1	17935014		SEAT, VALVE - SUCTION	
1	1793502-4	1792502-4	VALVE CPT. - DISCHARGE	2
1	1793500-4	1792500-4	VALVE CPT. - SUCTION	1
QTY REQ'D	PART No. 130T-4L	PART No. 130T-4M	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



130T - 4L & 4M
BOTTOM GUIDED
TAPERED SEAT VALVE

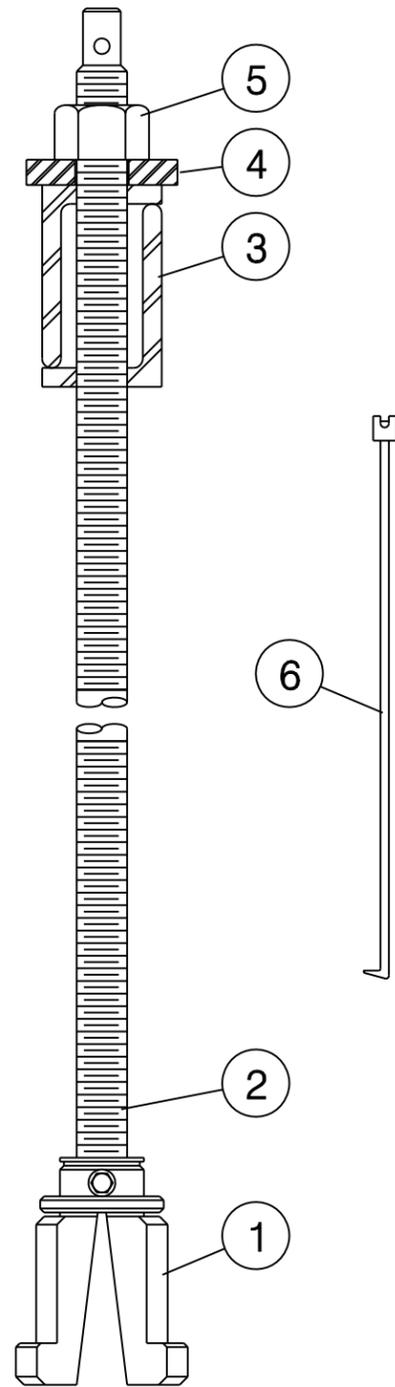
1	1712373	1711112	SEAL	5
1	1712486	1711306	SPRING	4
1	17125854	17113054	CAGE	3
1	1712582	1711332	VALVE & SEAT (DISCHARGE)	2
1	1712580	1711330	VALVE & SEAT (SUCTION)	1
QTY REQ'D	PART No. 130T-4M	PART No. 130T-4H	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



130T - 4MCA & 4HCA
CAGE TYPE
DISC VALVE

NOV NATIONAL OILWELL VARCO			
TITLE CAGE TYPE VALVE ASSEMBLY 130T-4 TRIPLEX PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711880-13	REV
SCALE 1/2	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED DURABLE VALVES	MTH	RPO	8.21.07		



SPHERICAL TAPERED SEAT VALVE KIT

130T-4L			
ITEM NO.	PART No.	DESCRIPTION	QTY. REQD.
	180104135	VALVE KIT COMPLETE	1
1	181259359	HEAD	1
2	20220159	STEM	1
3	181205709	SPACER	1
4	75518308	NUT, 1"-8	1
5	20220194	WASHER	1
6	1790034	RETRIEVER	1

130T-4M			
ITEM NO.	PART No.	DESCRIPTION	QTY. REQD.
	180104119	VALVE KIT COMPLETE	1
1	18259250	HEAD	1
2	20220159	STEM	1
3	181205709	SPACER	1
4	75518308	NUT, 1"-8	1
5	20220194	WASHER	1
6	1790034	RETRIEVER	1

9

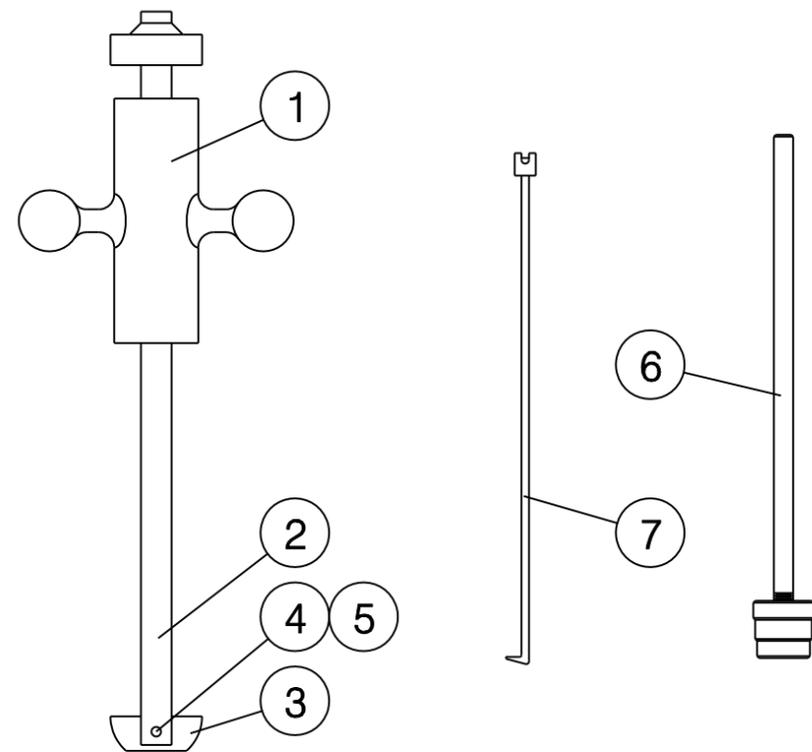
NOV NATIONAL OILWELL VARCO			
TITLE VALVE SERVICE KITS 130T-4 PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711881-13	REV A
SCALE 3/16	EST WT	SHEET 1 OF 1	

130T – 4HCA /4 PO			
ITEM NO.	PART No.	DESCRIPTION	QTY. REQD.
	1711251	VALVE KIT COMPLETE	1
	1711249	BAR CPT. (INCL. 2-5)	1
1	1790080	BUMPER	1
2	1710250	BAR	1
3	1711252	PLATE	1
4	6572016	PIN	1
5	6571216	PIN	1
6	1790041	DRIVER	1
7	1790034	RETRIEVER	1

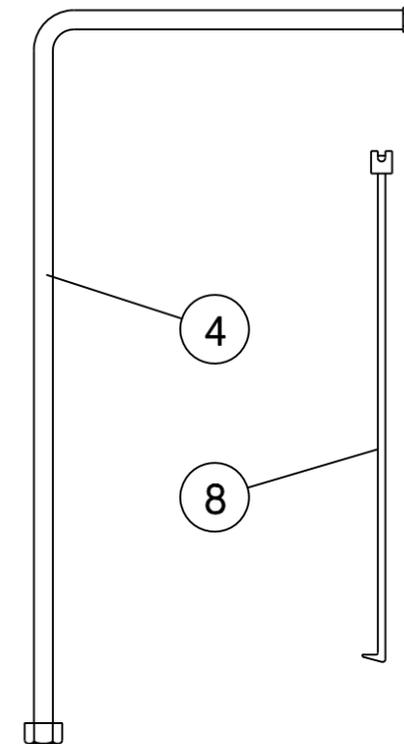
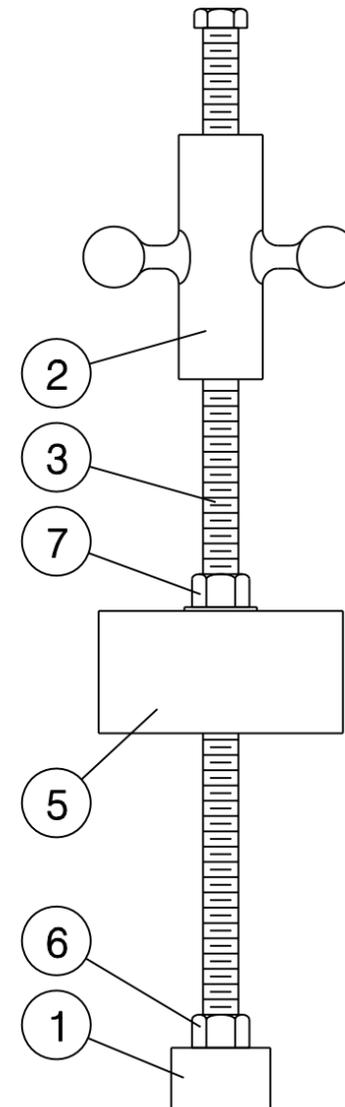
130T – 4MCA			
ITEM NO.	PART No.	DESCRIPTION	QTY. REQD.
	1712342	VALVE KIT COMPLETE	1
	1712242	BAR CPT. (INCL. 2-5)	1
1	1790080	BUMPER	1
2	1710250	BAR	1
3	1712263	PLATE	1
4	6572016	PIN	1
5	6571216	PIN	1
6	1790042	DRIVER	1
7	1790034	RETRIEVER	1

130T – 4MC			
ITEM NO.	PART No.	DESCRIPTION	QTY. REQD.
	1792507	VALVE KIT COMPLETE	1
1	1792506	HEAD	1
2	1790080	BUMPER	1
3	1790081	BAR	1
4	1790082	WRENCH	1
5	1713109	SUPPORT	1
6	6300160	NUT	1
7	6314002	NUT	1
8	1790034	RETRIEVER	1

130T-4LC			
ITEM NO.	PART No.	DESCRIPTION	QTY. REQD.
	1793507	VALVE KIT COMPLETE	1
1	1793507	HEAD	1
2	1790080	BUMPER	1
3	1790081	BAR	1
4	1790082	WRENCH	1
5	1713109	SUPPORT	1
6	6300160	NUT	1
7	6314002	NUT	1
8	1790034	RETRIEVER	1

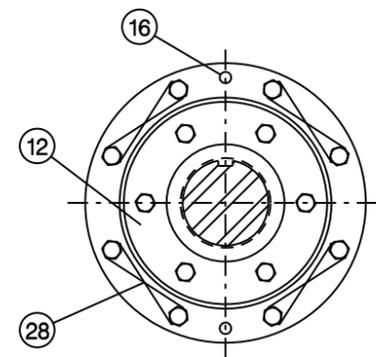
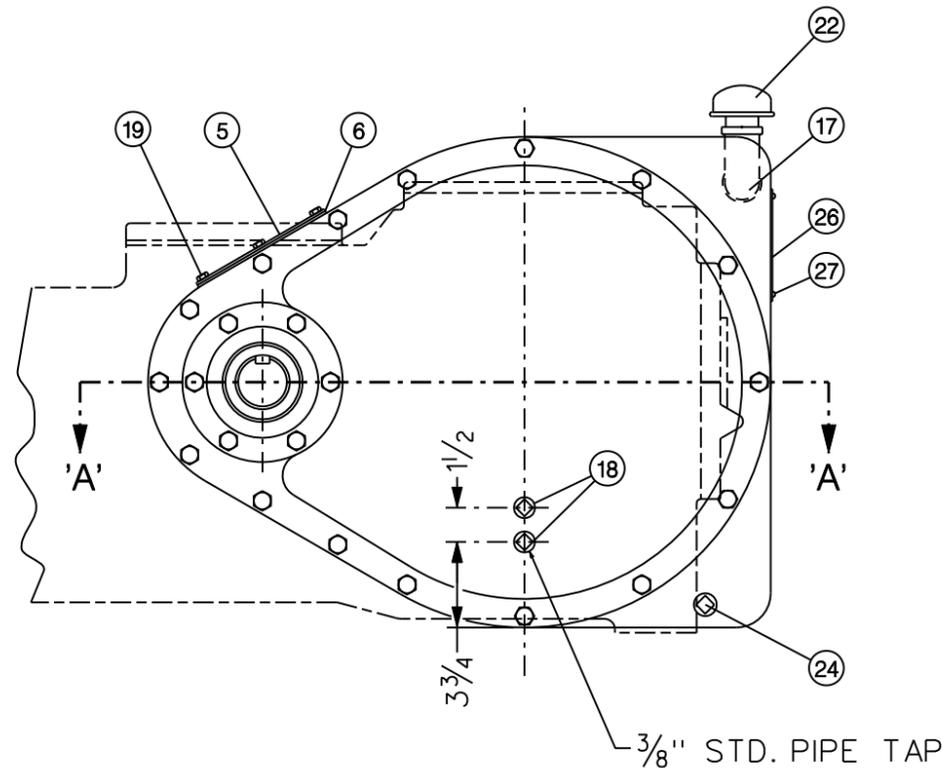
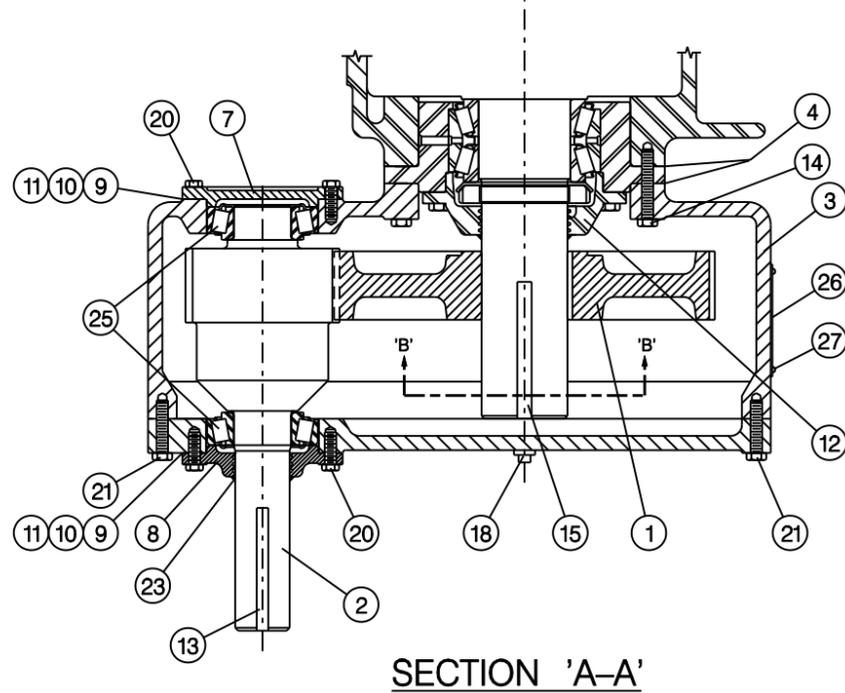


CAGE TYPE VALVE KIT
(SPHERICAL, BOTTOM GUIDED, DISC, OR BALL)



NATIONAL OILWELL VARCO TAPERED SEAT VALVE KIT

NOV NATIONAL OILWELL VARCO			
TITLE VALVE SERVICE KITS 130T-4 PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711882-13	REV
SCALE 1/6	EST WT	SHEET 1 OF 1	



SECTION 'B-B'
ITEM #1 REMOVED FOR CLARITY

3 FT.		59800016			LOCKWIRE, #16 GA. ANNEALED	28	
4		7178025			SCREW, RD HD DRIVE #2 x 1/4"	27	
1		1711606			PLATE, NAME & INSTRUCTION	26	
2		ZT-2501			BEARING, PINION SHAFT	25	
1		7815059			PLUG, MAGNETIC DRAIN 1/4"	24	
1		1119310			EXCLUDER, BRG	23	
1		7802020			CAP, BREATHER *S-183	22	
16		7000309-11			SCREW, HEX HD CAP 1/2" x 2 1/4"	21	
12		7000304-11			SCREW, HEX HD CAP 1/2" x 1/4"	20	
4		7000206-11			SCREW, HEX HD CAP 3/8" x 3/4"	19	
2		6874003			PLUG, STD PIPE 3/8"	18	
1		6829008			ELBOW, STD 1" x 90° STREET	17	
2		6580852			PIN, TAPER #8 x 3 1/4"	16	
1		2404045			KEY, GEAR 7/8" x 7/8" x 3"	15	
8		2405529			SCREW, HEX HD DRLD 1/2" x 3 1/4"	14	
1		2402330			KEY, PINION 5/8" x 5/8" x 4"	13	
1		1711622			RETAINER, CRANKSHAFT BRG	12	
6		1711627			SHIM, BEARING RETAINER .007	11	
6		1712625			SHIM, BEARING RETAINER .005	10	
2		1711620			SHIM, BEARING RETAINER .020	9	
1		1711605			CAP, H.S. PINION BRG OPEN	8	
1		1711604			CAP, H.S. PINION BRG BLIND	7	
1		1711619			GASKET, INSPECTION COVER	6	
1		1105609			COVER, INSPECTION	5	
1		7817200-68			GASKET, LOCTITE PLASTIC	4	
1	1711602	1711602	1711602	1711602	1711602	HOUSING CPT, GEAR REDUCER	3
1	1711616	1711615	1711621	1711613	1711612	PINION	2
1	1711608	1711609	1711607	1711610	1711611	GEAR	1
QTY REQ'D	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	DESCRIPTION	ITEM NO.
	1711633	1711632	1711634	1711631	1711630		
	4.269:1 RATIO	3.89:1 RATIO	3.42:1 RATIO	3.15: RATIO	2.60:1 RATIO		
GEAR REDUCER ASSY. COMPLETE B/M No.'s							

NOV NATIONAL OILWELL VARCO

TITLE
GEAR REDUCER ASSEMBLY
130T-4 TRIPLEX PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1711883-13	REV A
SCALE 1/8	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	MOVED 2-3/8" P/N'S TO 130T-7M TABLE	MTH		7-19-07		

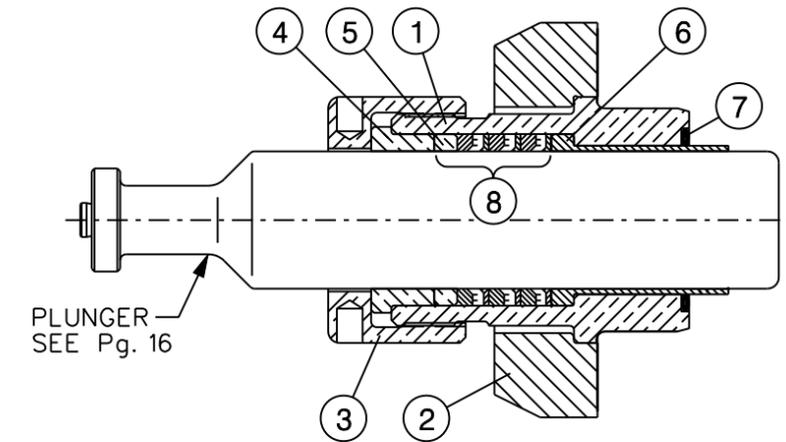
△ USE ONLY WITH CERAMIC PLUNGER.
REPLACE ONE OF ITEM *5 WITH ITEM *6.

1	6422336	2 ⁵ / ₈ " - 850-N UNIVERSAL PACKING	8
1	6422339	2 ⁷ / ₈ " - 850-N UNIVERSAL PACKING	
1	6422341	3 ¹ / ₈ " - 850-N UNIVERSAL PACKING	
1	49010923	3 ¹ / ₄ " - 850-N UNIVERSAL PACKING	
1	6422344	3 ³ / ₈ " - 850-N UNIVERSAL PACKING	
1	6422343-13	3 ¹ / ₂ " - 850-N UNIVERSAL PACKING	
1	642244-13	3 ⁵ / ₈ " - 850-N UNIVERSAL PACKING	
1	2410031-345	3 ³ / ₈ "- 2 ³ / ₈ " SEAL, STUFFING BOX	
1	1711162	2 ⁵ / ₈ " SLEEVE WASHER	△ 6
1	1711163	2 ⁷ / ₈ " SLEEVE WASHER	
1	1711164	3 ¹ / ₈ " SLEEVE WASHER	
1	1711070	3 ¹ / ₄ " SLEEVE WASHER	
1	1711165	3 ³ / ₈ " SLEEVE WASHER	
1	1711694-14	3 ¹ / ₂ " SLEEVE WASHER	
1	1711693-14	3 ⁵ / ₈ " SLEEVE WASHER	
2	1711097	2 ⁵ / ₈ " WASHER	
2	1711098	2 ⁷ / ₈ " WASHER	
2	1711099	3 ¹ / ₈ " WASHER	
2	1711072	3 ¹ / ₄ " WASHER	
2	1711100	3 ³ / ₈ " WASHER	
2	1711720-13	3 ¹ / ₂ " WASHER	
2	1711100-13	3 ⁵ / ₈ " WASHER	
1	1711092	2 ⁵ / ₈ " GLAND	4
1	1711091	2 ⁷ / ₈ " GLAND	
1	1711090	3 ¹ / ₈ " GLAND	
1	1711071	3 ¹ / ₄ " GLAND	
1	1711089	3 ³ / ₈ " GLAND	
1	1711090-13	3 ¹ / ₂ " GLAND	
1	1711089-13	3 ⁵ / ₈ " GLAND	
1	1711065-13	3 ¹ / ₂ "-3 ⁵ / ₈ " NUT, ADJUSTING	
1	1711316	RETAINER, STUFFING BOX 2 ³ / ₈ "-3 ³ / ₈ "	2
1	1711316-13	RETAINER, STUFFING BOX 3 ¹ / ₂ "-3 ⁵ / ₈ "	
1	1711495-2	2 ⁵ / ₈ " PLG'R x 3 ⁵ / ₈ " BORE STUFFING BOX	1
1	1711495-2	2 ⁷ / ₈ " PLG'R x 3 ⁵ / ₈ " BORE STUFFING BOX	
1	1711496-2	3 ¹ / ₈ " PLG'R x 4 ¹ / ₈ " BORE STUFFING BOX	
1	1711496-2	3 ¹ / ₄ " PLG'R x 4 ¹ / ₈ " BORE STUFFING BOX	
1	1711496-2	3 ³ / ₈ " PLG'R x 4 ¹ / ₈ " BORE STUFFING BOX	
1	1711687-13	3 ¹ / ₂ " PLG'R x 4 ³ / ₈ " BORE STUFFING BOX	
1	1711687-13	3 ⁵ / ₈ " PLG'R x 4 ³ / ₈ " BORE STUFFING BOX	

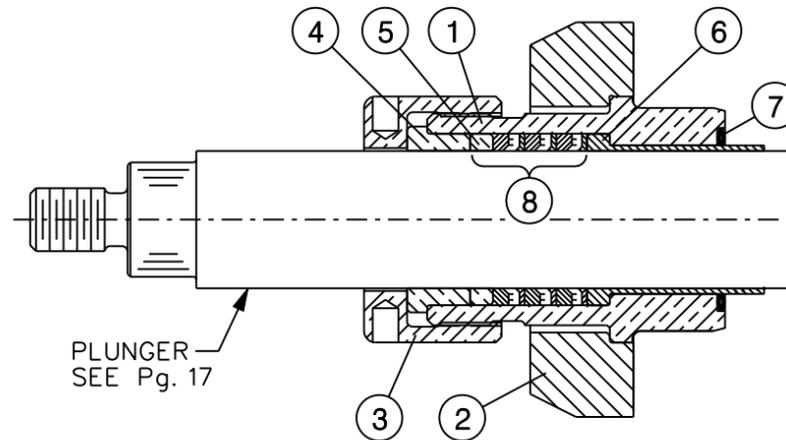
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
LIST OF MATERIAL			
130T- 4L PLUNGER KIT			

1	6422317	1 ⁵ / ₈ " 850-N UNIVERSAL PACKING	8
1	6422318	1 ³ / ₄ " 850-N UNIVERSAL PACKING	
1	6422321	1 ⁷ / ₈ " 850-N UNIVERSAL PACKING	
1	6422323	2" 850-N UNIVERSAL PACKING	
1	6422325	2 ¹ / ₈ " 850-N UNIVERSAL PACKING	
1	49012041	2 ¹ / ₄ " - 850-N UNIVERSAL PACKING	
1	6422331	2 ³ / ₈ " - 850-N UNIVERSAL PACKING	
1	2410031-335	SEAL, STUFFING BOX	
1	1711154	1 ⁵ / ₈ " SLEEVE WASHER	△ 6
1	1711155	1 ³ / ₄ " SLEEVE WASHER	
1	1711156	1 ⁷ / ₈ " SLEEVE WASHER	
1	1711157	2" SLEEVE WASHER	
1	1711158	2 ¹ / ₈ " SLEEVE WASHER	
1	1711858	2 ¹ / ₄ " SLEEVE WASHER	
1	1711161	2 ³ / ₈ " SLEEVE WASHER	
2	1712163	1 ⁵ / ₈ " WASHER	
2	1712056	1 ³ / ₄ " WASHER	
2	1711058	1 ⁷ / ₈ " WASHER	
2	1711059	2" WASHER	
2	1711060	2 ¹ / ₈ " WASHER	
2	1711856	2 ¹ / ₄ " WASHER	
2	1711096	2 ³ / ₈ " WASHER	
1	1711050	1 ⁵ / ₈ " GLAND	4
1	1711051	1 ³ / ₄ " GLAND	
1	1711052	1 ⁷ / ₈ " GLAND	
1	1711053	2" GLAND	
1	1711054	2 ¹ / ₈ " GLAND	
1	1711857	2 ¹ / ₄ " GLAND	
1	1711093	2 ³ / ₈ " GLAND	
1	1711298	1 ³ / ₄ "-1 ⁵ / ₈ " NUT, ADJUSTING	
1	1711025	2 ¹ / ₈ "-1 ⁵ / ₈ " NUT, ADJUSTING	
1	1711025	2 ¹ / ₄ " NUT, ADJUSTING	2
1	1711065	2 ³ / ₈ "-3 ³ / ₈ " NUT, ADJUSTING	
1	1711416-1	RETAINER, STUFFING BOX	1
1	1711497-2	1 ⁵ / ₈ " PLG'R x 2 ¹ / ₂ " BORE STUFFING BOX	
1	1711497-2	1 ³ / ₄ " PLG'R x 2 ¹ / ₂ " BORE STUFFING BOX	
1	1711493-2	1 ⁷ / ₈ " PLG'R x 2 ⁷ / ₈ " BORE STUFFING BOX	
1	1711493-2	2" PLG'R x 2 ⁷ / ₈ " BORE STUFFING BOX	
1	1711493-2	2 ¹ / ₈ " PLG'R x 2 ⁷ / ₈ " BORE STUFFING BOX	
1	1711493-2	2 ¹ / ₄ " PLG'R x 2 ⁷ / ₈ " BORE STUFFING BOX	
1	1711494-2	2 ³ / ₈ " PLG'R x 3 ¹ / ₈ " BORE STUFFING BOX	

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
LIST OF MATERIAL			
130T- 4M PLUNGER KIT			



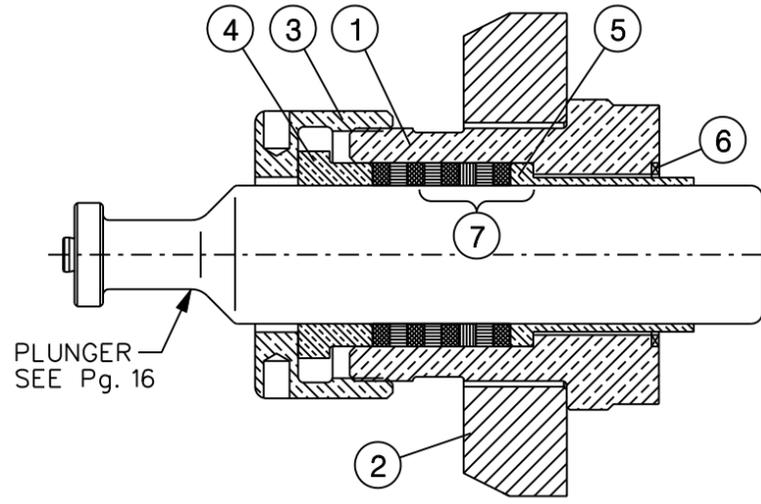
130T- 4L & 4M PLUNGER KIT WITH CLAMPED PLUNGER



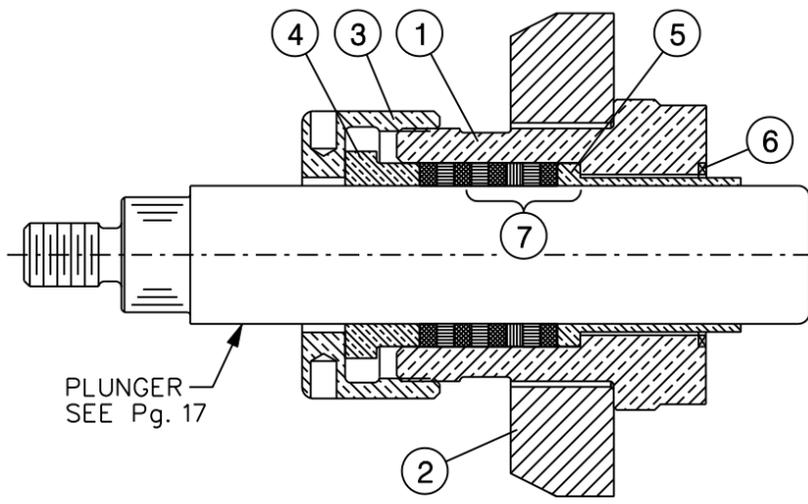
130T- 4L & 4M PLUNGER KIT WITH THREADED PLUNGER

NOV NATIONAL OILWELL VARCO			
TITLE ASSEMBLY, PLUNGER KIT			
130T-4L & 4M TRIPLEX PUMP			
SIZE	REFERENCE No.	DRAWING No.	REV
B		1711884-13	A
SCALE	EST WT	SHEET 1 OF 1	
NONE			

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130T- 4M & 4H PLUNGER KIT WITH CLAMPED PLUNGER



130T- 4M & 4H PLUNGER KIT WITH THREADED PLUNGER

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
1	6420464	1/4" - 1045 UNIVERSAL PACKING	7
1	6420438	3/8" - 1045 UNIVERSAL PACKING	
1	6420459	1/2" - 1045 UNIVERSAL PACKING	
1	6420460	5/8" - 1045 UNIVERSAL PACKING	
1	6420461	3/4" - 1045 UNIVERSAL PACKING	
1	2410031-330	SEAL, STUFFING BOX	6
1		1/4" SLEEVE WASHER	5
1		3/8" SLEEVE WASHER	
1	1711153	1/2" SLEEVE WASHER	
1	1711154	5/8" SLEEVE WASHER	4
1	1711155	3/4" SLEEVE WASHER	
1	1710303	1/4" GLAND	
1	1710304	3/8" GLAND	
1	1711049	1/2" GLAND	
1	1711050	5/8" GLAND	3
1	1711051	3/4" GLAND	
1	1711298	NUT, ADJUSTING	2
1	1711416-1	RETAINER, STUFFING BOX	1
1	1711491-2	1/4" PLG'R x 2 1/8" BORE STUFFING BOX	
1	1711491-2	3/8" PLG'R x 2 1/8" BORE STUFFING BOX	
1	1711492-2	1/2" PLG'R x 2 1/2" BORE STUFFING BOX	
1	1711492-2	5/8" PLG'R x 2 1/2" BORE STUFFING BOX	
1	1711492-2	3/4" PLG'R x 2 1/2" BORE STUFFING BOX	

LIST OF MATERIAL

130T- 4H PLUNGER KIT

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
1	6420460	5/8" 1045 UNIVERSAL PACKING	7
1	6420461	3/4" 1045 UNIVERSAL PACKING	6
1	2410031-335	SEAL STUFFING BOX	
1	1711154	5/8" SLEEVE WASHER	5
1	1711155	3/4" SLEEVE WASHER	4
1	1711050	5/8" GLAND	
1	1711051	3/4" GLAND	
1	1711298	NUT, ADJUSTING	
1	1711416-1	RETAINER, STUFFING BOX	
1	1711497-2	5/8" PLG'R x 2 1/2" BORE STUFFING BOX	1
1	1711497-2	3/4" PLG'R x 2 1/2" BORE STUFFING BOX	

LIST OF MATERIAL

130T- 4M PLUNGER KIT

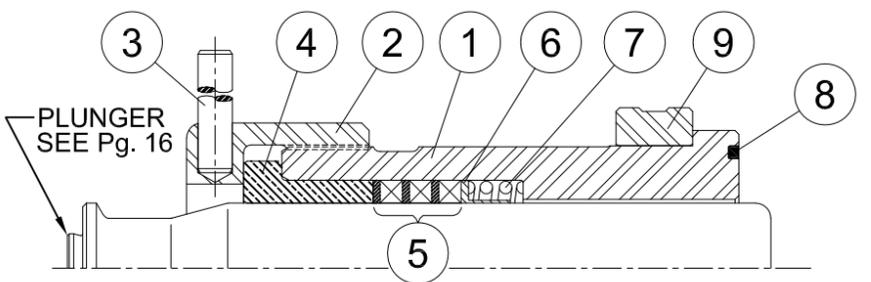
5 USE ONLY WITH CERAMIC PLUNGER.



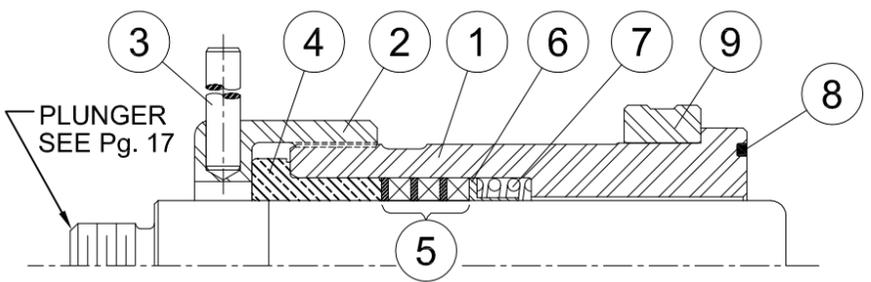
TITLE ASSEMBLY, PLUNGER KIT
130T-4M/4H TRIPLEX PUMP

SIZE B REFERENCE No. DRAWING No. 1711885-13 REV

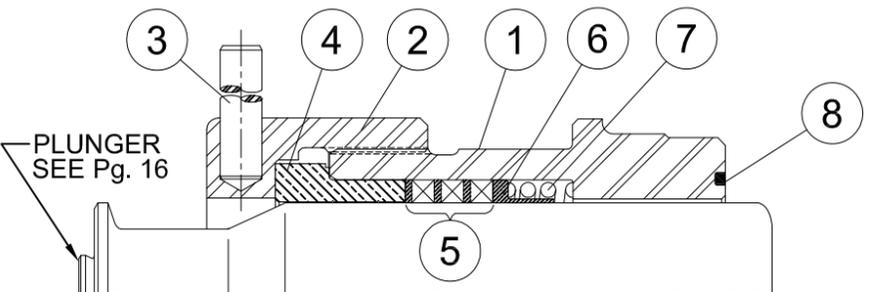
SCALE 1/4 EST WT SHEET 1 OF 1



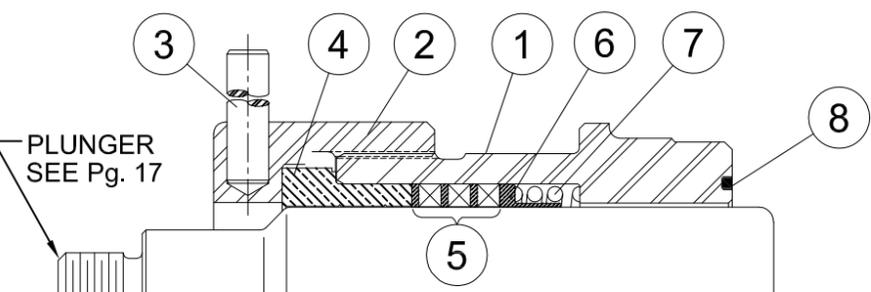
130T-4M (1 5/8" - 2 1/4") PLUNGER
PLUNGER KIT WITH CLAMPED PLUNGER



130T-4M (1 5/8" - 2 1/4") PLUNGER
PLUNGER KIT WITH THREADED PLUNGER



130T-4L (2 3/8" - 3 5/8") PLUNGER
PLUNGER KIT WITH CLAMPED PLUNGER



130T-4L (2 3/8" - 3 5/8") PLUNGER
PLUNGER KIT WITH THREADED PLUNGER

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED P/N 342-916	RPQ		6/9/04		
B	DELETED SEAL 2410031-342	RPQ		6/18/07		
C	MOVED 2-3/8" P/N's TO 130T-4M TABLE	MTH		7/19/07		
D	ADDED 3 1/4" PLKT. PARTS	DCP	RPQ	11.08.07	RPQ	

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
	130T - 4M PLUNGER KIT		
1	2410031-345	3 5/8" - 2 3/8" SEAL, STUFFING BOX	8
1	342-000	2 1/2" - 2 3/8" SPRING	7
1	342-270	2 5/8" SPRING	
1	342-008	3" - 2 3/4" SPRING	
1	342-268	3 3/8" - 3 1/8" SPRING	
1	L342-279	3 5/8" - 3 1/2" SPRING	
1	342-002	2 1/2" FOLLOWER	
1	342-355	2 5/8" FOLLOWER	
1	342-014	2 3/4" FOLLOWER	
1	342-356	2 7/8" FOLLOWER	
1	342-015	3" FOLLOWER	
1	342-357	3 1/8" FOLLOWER	
1	343-045	3 1/4" FOLLOWER	
1	342-358	3 3/8" FOLLOWER	5
1	L342-402	3 1/2" FOLLOWER	
1	L342-403	3 5/8" FOLLOWER	
1	342-004	2 1/2" KEVLAR PACKING	
1	342-753	2 5/8" KEVLAR PACKING	
1	342-018	2 3/4" KEVLAR PACKING	
1	342-754	2 7/8" KEVLAR PACKING	
1	342-019	3" KEVLAR PACKING	
1	342-755	3 1/8" KEVLAR PACKING	
1	342-843	3 1/4" KEVLAR PACKING	
1	342-756	3 3/8" KEVLAR PACKING	
1	342-846	3 1/2" KEVLAR PACKING	
1	342-847	3 5/8" KEVLAR PACKING	3
1	342-006	2 1/2" GLAND	
1	342-123	2 5/8" GLAND	
1	342-022	2 3/4" GLAND	
1	342-124	2 7/8" GLAND	
1	342-023	3" GLAND	
1	342-125	3 1/8" GLAND	
1	343-044	3 1/4" GLAND	
1	342-126	3 3/8" GLAND	
1	L342-160	3 1/2" GLAND	
1	L342-161	3 5/8" GLAND	
1	342-930	3 3/8" - 2 1/4" PIN LOCKING	
1	342-916	2 5/8", 2 1/2", 2 3/8" & 2 1/4" NUT, ADJUSTING	1
1	342-928	3", 2 7/8", & 2 3/4" NUT, ADJUSTING	
1	342-927	3 3/8" - 3 1/8" NUT, ADJUSTING	
1	342-993	3 5/8" & 3 1/2" NUT, ADJUSTING	
1	342-925	2 1/2" PLG'R x 3 1/4" BORE STUFFING BOX	
1	342-949	2 5/8" PLG'R x 3 5/8" BORE STUFFING BOX	
1	342-926	2 3/4" PLG'R x 3 3/4" BORE STUFFING BOX	
1	342-926	2 7/8" PLG'R x 3 3/4" BORE STUFFING BOX	1
1	342-926	3" PLG'R x 3 3/4" BORE STUFFING BOX	
1	342-950	3 1/8" PLG'R x 4 1/8" BORE STUFFING BOX	
1	342-950	3 1/4" PLG'R x 4 1/8" BORE STUFFING BOX	
1	342-950	3 3/8" PLG'R x 4 1/8" BORE STUFFING BOX	
1	342-992	3 1/2" PLG'R x 4 3/8" BORE STUFFING BOX	
1	342-992	3 5/8" PLG'R x 4 5/8" BORE STUFFING BOX	
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
	130T - 4L PLUNGER KIT		

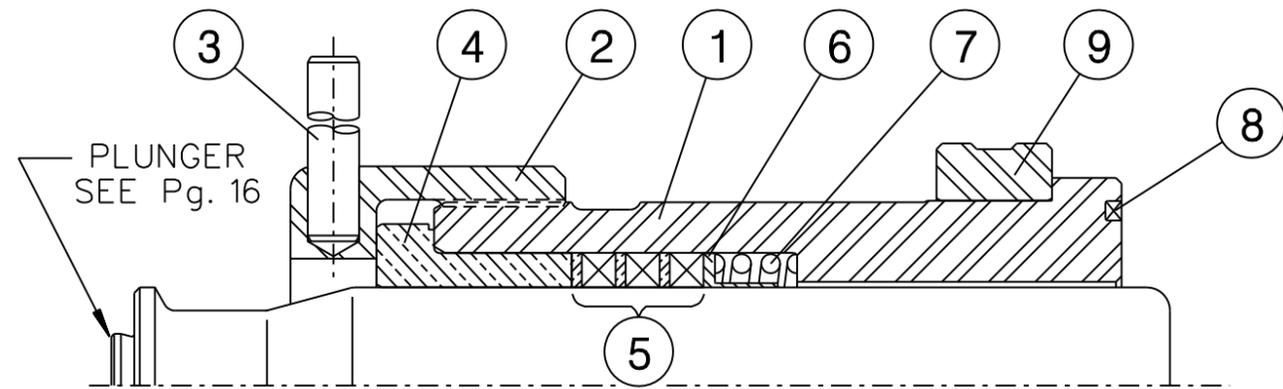
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
	130T - 4M PLUNGER KIT		
1	L342-910	RETAINER, STUFFING BOX	9
1	2410031-334	2" - 1 5/8" SEAL, STUFFING BOX	8
1	2410031-342	2 1/4" - 2 1/8" SEAL, STUFFING BOX	
1	L342-240	1 3/4" - 1 5/8" SPRING	7
1	L342-260	2 1/8" - 1 7/8" SPRING	
1	342-000	2 1/4" SPRING	
1	L342-345	1 5/8" FOLLOWER	
1	L342-346	1 3/4" FOLLOWER	
1	L342-367	1 7/8" FOLLOWER	
1	L342-368	2" FOLLOWER	
1	342-353	2 1/8" FOLLOWER	
1	342-354	2 3/8" FOLLOWER	
1	342-001	2 1/4" FOLLOWER	
1	L342-745	1 5/8" KEVLAR PACKING	
1	L342-746	1 3/4" KEVLAR PACKING	
1	L342-767	1 3/4" KEVLAR PACKING	5
1	342-768	2" KEVLAR PACKING	
1	342-751	2 1/8" KEVLAR PACKING	
1	342-752	2 3/8" KEVLAR PACKING	
1	342-003	2 1/4" KEVLAR PACKING	
1	L342-545	1 5/8" GLAND	
1	L342-546	1 3/4" GLAND	
1	L342-167	1 7/8" GLAND	
1	L342-168	2" GLAND	
1	342-121	2 1/8" GLAND	
1	342-122	2 3/8" GLAND	
1	342-005	2 1/4" GLAND	
1	342-914	PIN, LOCKING	3
1	L342-913	NUT, ADJUSTING 1 5/8" - 2 1/8"	2
1	342-916	NUT, ADJUSTING 2 1/4"	
1	342-919	1 5/8" PLG'R x 2 1/2" BORE STUFFING BOX	1
1	342-919	1 3/4" PLG'R x 2 1/2" BORE STUFFING BOX	
1	L342-908	1 7/8" PLG'R x 2 3/4" BORE STUFFING BOX	
1	L342-908	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	342-948	2 1/8" PLG'R x 2 1/8" BORE STUFFING BOX	
1	342-925	2 3/8" PLG'R x 3 1/4" BORE STUFFING BOX	
1	342-925	2 1/4" PLG'R x 3 1/4" BORE STUFFING BOX	
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
	LIST OF MATERIAL		
	130T - 4M PLUNGER KIT		

NATIONAL OILWELL VARCO

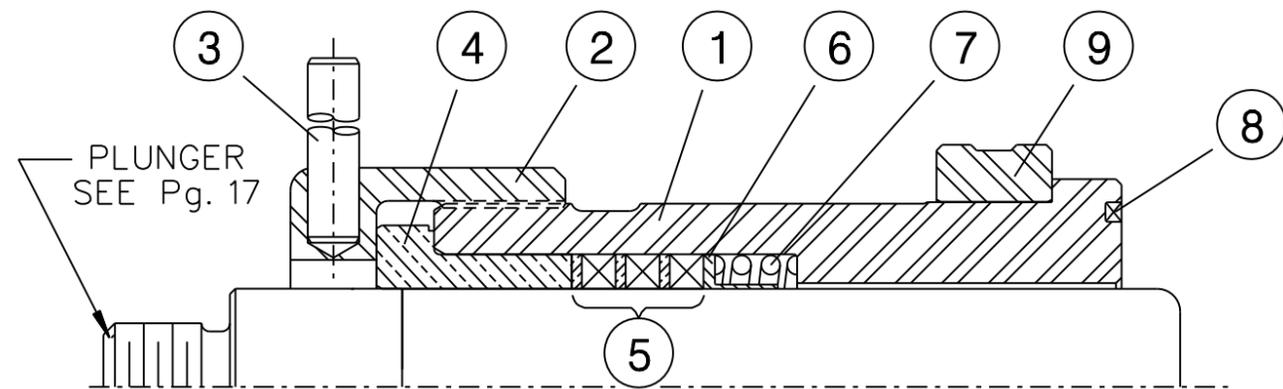
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE
S.S. PLUNGER KIT ASSEMBLY, W/ KEVLAR PACKING
130T-4L & 4M TRIPLEX PUMP

SIZE B	REFERENCE No.	DRAWING No. 1711886-13	REV D
SCALE N.T.S.	EST WT	SHEET 1 OF 1	



130T-4H PLUNGER KIT
WITH CLAMPED PLUNGER

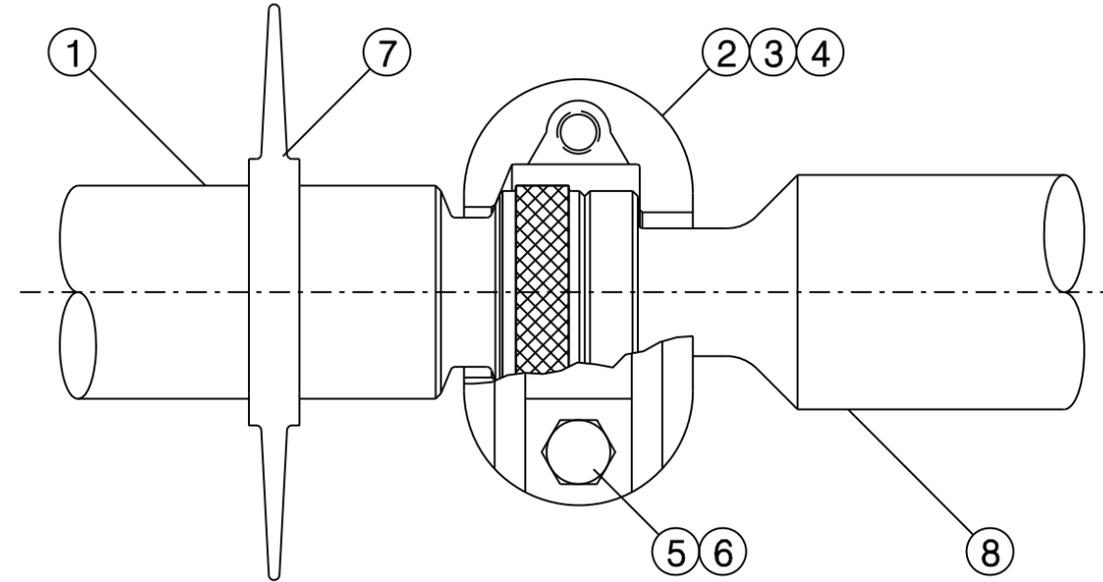


130T-4H PLUNGER KIT
WITH THREADED PLUNGER

1	L342-903	1 ³ / ₈ " - 1 ¹ / ₄ " RETAINER, STUFFING BOX	9
1	L342-910	1 ³ / ₄ " - 1 ¹ / ₂ " RETAINER, STUFFING BOX	8
1	2410031-334	SEAL, STUFFING BOX	7
1	L342-210	1 ³ / ₈ " - 1 ¹ / ₄ " SPRING	6
1	L342-240	1 ³ / ₄ " - 1 ¹ / ₂ " SPRING	5
1	L342-312	1 ¹ / ₄ " FOLLOWER	4
1	L342-313	1 ³ / ₈ " FOLLOWER	3
1	L342-344	1 ¹ / ₂ " FOLLOWER	2
1	L342-345	1 ⁵ / ₈ " FOLLOWER	1
1	L342-346	1 ³ / ₄ " FOLLOWER	
1	L342-712	1 ¹ / ₄ " KEVLAR PACKING	
1	L342-713	1 ³ / ₈ " KEVLAR PACKING	
1	L342-744	1 ¹ / ₂ " KEVLAR PACKING	
1	L342-745	1 ⁵ / ₈ " KEVLAR PACKING	
1	L342-746	1 ³ / ₄ " KEVLAR PACKING	
1	L342-112	1 ¹ / ₄ " GLAND	
1	L342-113	1 ³ / ₈ " GLAND	
1	L342-544	1 ¹ / ₂ " GLAND	
1	L342-545	1 ⁵ / ₈ " GLAND	
1	L342-546	1 ³ / ₄ " GLAND	
1	342-914	PIN, LOCKING	
1	L342-912	1 ³ / ₈ " - 1 ¹ / ₄ " NUT, ADJUSTING	
1	L342-913	1 ³ / ₄ " - 1 ¹ / ₂ " NUT, ADJUSTING	
1	L342-904	1 ¹ / ₄ " PLG'R x 2 ¹ / ₈ " BORE STUFFING BOX	
1	L342-904	1 ³ / ₈ " PLG'R x 2 ¹ / ₈ " BORE STUFFING BOX	
1	342-919	1 ¹ / ₂ " PLG'R x 2 ¹ / ₂ " BORE STUFFING BOX	
1	342-919	1 ⁵ / ₈ " PLG'R x 2 ¹ / ₂ " BORE STUFFING BOX	
1	342-919	1 ³ / ₄ " PLG'R x 2 ¹ / ₂ " BORE STUFFING BOX	
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
LIST OF MATERIAL			
100T - 4H PLUNGER KIT			

NOV NATIONAL OILWELL VARCO			
TITLE ASSEMBLY, SS PLUNGER KITS WITH KEVLAR PACKING 130T-4H TRIPLEX PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711887-13	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	MOVED 2-3/8" & 2-1/4" PLUNGER P/NS TO 130T-4M TABLES	MTH		7.19.07		



STRAIGHT / TAPER CLAMP

BILL OF MATERIAL		
ITEM	PART No.	DESCRIPTION
1	340-018	INTERMEDIATED ROD STAINLESS
2	1716037	CLAMP, COMPLETE
3	1716035	BOLT HALF
4	1716036	THREAD HALF
5	700031211	SCREW, H.H. CAP
6	7616050	WASHER, SPRING LOCK
7	1711018	BAFFLE, INTERMEDIATE

PLUNGERS FOR STRAIGHT /TAPER CLAMPS			
130T-4L			
ITEM	*PART No.*	PART No.	DESCRIPTION
8		340-277	3 5/8" CARBIDE PLUNGER
		340-278	3 1/2" CARBIDE PLUNGER
	1711520	340-131	3 3/8" CARBIDE PLUNGER
		340-274	3 1/4" CARBIDE PLUNGER
	1711519	340-143	3 1/8" CARBIDE PLUNGER
		340-017	3" CARBIDE PLUNGER
	1711518	340-142	2 7/8" CARBIDE PLUNGER
		340-016	2 3/4" CARBIDE PLUNGER
	1711517	340-141	2 5/8" CARBIDE PLUNGER
		340-015	2 1/2" CARBIDE PLUNGER
130T-4M			
	1711516	340-140	2 3/8" CARBIDE PLUNGER
		340-014	2 1/4" CARBIDE PLUNGER
1711515	340-139	2 1/8" CARBIDE PLUNGER	
1711514	340-138	2" CARBIDE PLUNGER	
1711513	340-137	1 7/8" CARBIDE PLUNGER	
1711512	340-136	1 3/4" CARBIDE PLUNGER	
1711511	L340-135	1 5/8" CARBIDE PLUNGER	
130T-4H			
1711512	340-136	1 3/4" CARBIDE PLUNGER	
1711511	L340-135	1 5/8" CARBIDE PLUNGER	
1711510	340-134	1 1/2" CARBIDE PLUNGER	
1711509	340-133	1 1/8" CARBIDE PLUNGER	
1711508	340-132	1 1/4" CARBIDE PLUNGER	

PLUNGERS FOR STRAIGHT /TAPER CLAMPS			
130T-4L			
ITEM	PART No.	DESCRIPTION	
8	1711702-13	3 5/8" CERAMIC PLUNGER	
	1711703-13	3 1/2" CERAMIC PLUNGER	
	1711490	3 3/8" CERAMIC PLUNGER	
	1711462	3 1/4" CERAMIC PLUNGER	
	1711489	3 1/8" CERAMIC PLUNGER	
	1711466	3" CERAMIC PLUNGER	
	1711488	2 7/8" CERAMIC PLUNGER	
	1711465	2 3/4" CERAMIC PLUNGER	
	1711487	2 5/8" CERAMIC PLUNGER	
	1711464	2 1/2" CERAMIC PLUNGER	
130T-4M			
1711486	2 3/8" CERAMIC PLUNGER		
1711463	2 1/4" CERAMIC PLUNGER		
1711485	2 1/8" CERAMIC PLUNGER		
1711484	2" CERAMIC PLUNGER		
1711483	1 7/8" CERAMIC PLUNGER		
1711482	1 3/4" CERAMIC PLUNGER		
1711481	1 5/8" CERAMIC PLUNGER		
130T-4H			
1711482	1 3/4" CERAMIC PLUNGER		
1711481	1 5/8" CERAMIC PLUNGER		
1711480	1 1/2" CERAMIC PLUNGER		
	1 3/8" CERAMIC PLUNGER		
	1 1/4" CERAMIC PLUNGER		

*LISTED PART NUMBERS WERE PREVIOUSLY HARD COAT PLUNGERS.

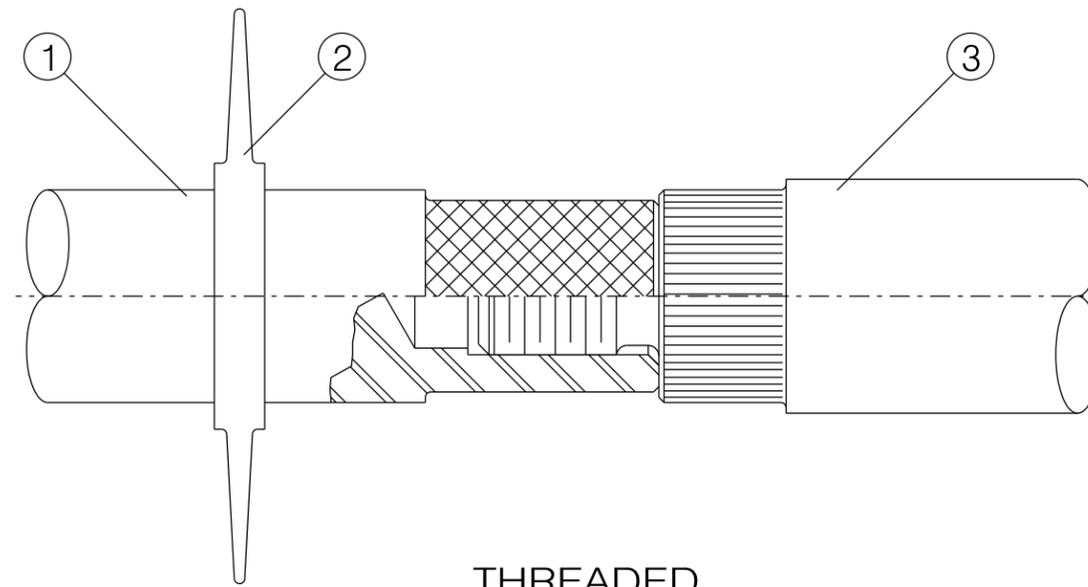
NOV NATIONAL OILWELL VARCO

TITLE PLUNGER/INTERMEDIATE ROD ASSY.
STRAIGHT / TAPER CLAMP
130T-4 PLUNGER PUMP

SIZE B REFERENCE No. DRAWING No. 1711888-13 REV A

SCALE NONE EST WT SHEET 1 OF 1

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	MOVED 2-3/8" & 2-1/4" PLUNGER P/N'S TO 130T-4M TABLES	MTH		7.19.07		
B	CORRECTED P/N'S	RPO	RPO	12.8.08	GRL	



THREADED

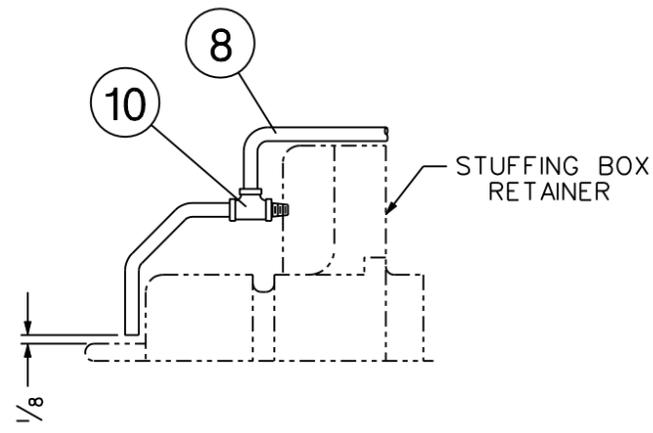
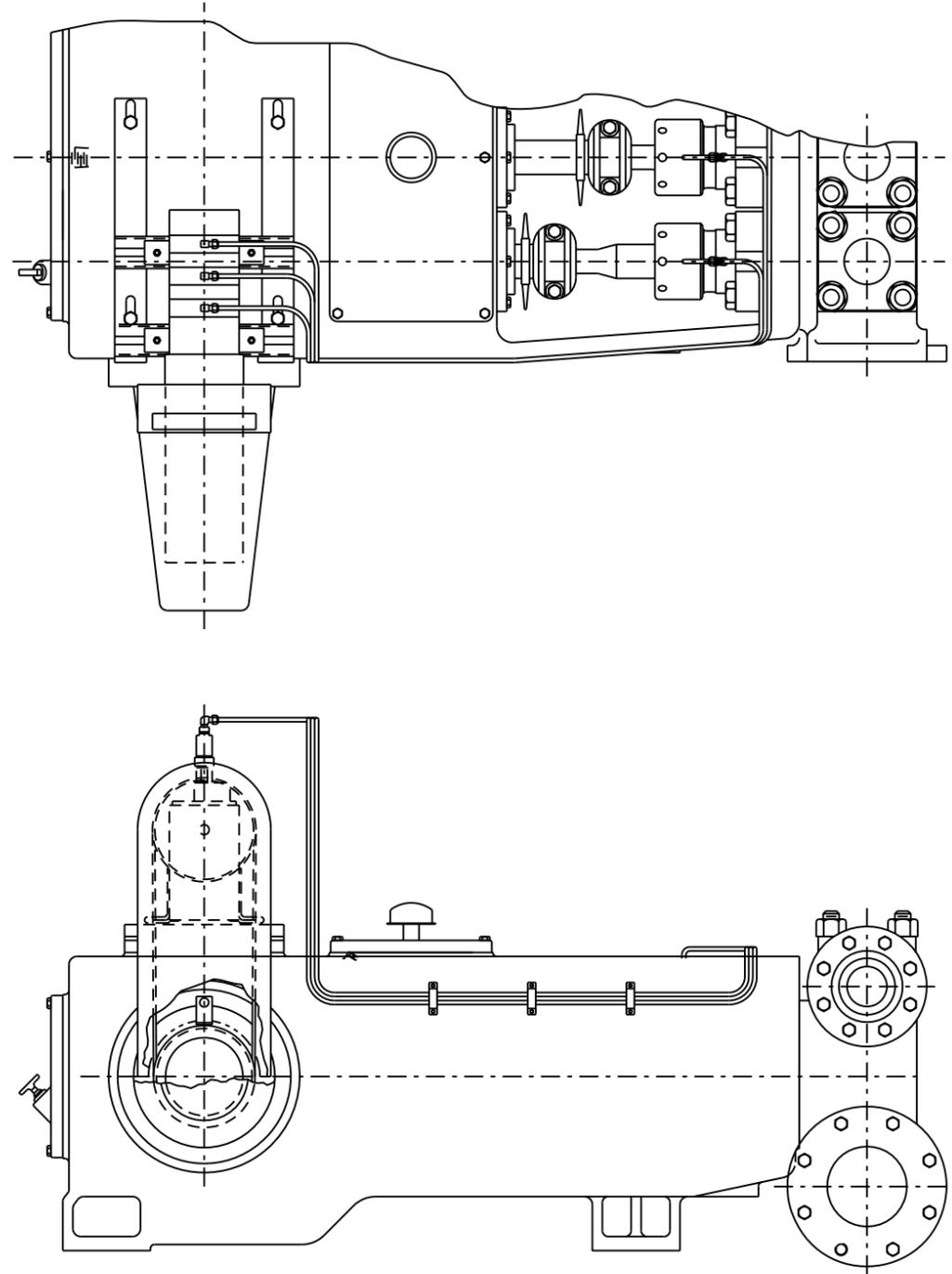
BILL OF MATERIAL		
ITEM	PART No.	DESCRIPTION
1	340-022	INTERMEDIATED ROD STAINLESS
2	1711018	BAFFLE, INTERMEDIATE ROD

THREADED PLUNGERS			
130T-4L			
ITEM	*PART No.*	PART No.	DESCRIPTION
3	1711686-13		3 5/8" CARBIDE PLUNGER
	1711685-13		3 1/2" CARBIDE PLUNGER
	1711088	340-311	3 3/8" CARBIDE PLUNGER
	1711462		3 1/4" CARBIDE PLUNGER
	1711087	340-310	3 1/8" CARBIDE PLUNGER
	1711466	340-309	3" CARBIDE PLUNGER
	1711086	340-308	2 7/8" CARBIDE PLUNGER
	1711465	340-307	2 3/4" CARBIDE PLUNGER
	1711085	340-306	2 5/8" CARBIDE PLUNGER
	1711464	340-182	2 1/2" CARBIDE PLUNGER
130T-4M			
	1711084	340-181	2 3/8" CARBIDE PLUNGER
	1711463	340-180	2 1/4" CARBIDE PLUNGER
	1711048	340-179	2 1/8" CARBIDE PLUNGER
	1711047	340-178	2" CARBIDE PLUNGER
	1711046	L340-177	1 7/8" CARBIDE PLUNGER
	1711045	L340-176	1 3/4" CARBIDE PLUNGER
	1711044	340-175	1 5/8" CARBIDE PLUNGER
130T-4H			
	1711045	L340-176	1 3/4" CARBIDE PLUNGER
	1711044	340-175	1 5/8" CARBIDE PLUNGER
	1711043	340-174	1 1/2" CARBIDE PLUNGER
	1711342	340-173	1 3/8" CARBIDE PLUNGER
	1711341	L340-172	1 1/4" CARBIDE PLUNGER

THREADED PLUNGERS		
130T-4L		
ITEM	PART No.	DESCRIPTION
3	1711691-13	3 5/8" CERAMIC PLUNGER
	1711692-13	3 1/2" CERAMIC PLUNGER
	1711082	3 3/8" CERAMIC PLUNGER
	1711148	3 1/4" CERAMIC PLUNGER
	1711081	3 1/8" CERAMIC PLUNGER
	1711147	3" CERAMIC PLUNGER
	1711080	2 7/8" CERAMIC PLUNGER
	1711146	2 3/4" CERAMIC PLUNGER
	1711079	2 5/8" CERAMIC PLUNGER
	1711145	2 1/2" CERAMIC PLUNGER
130T-4M		
	1711078	2 3/8" CERAMIC PLUNGER
	1711144	2 1/4" CERAMIC PLUNGER
	1711042	2 1/8" CERAMIC PLUNGER
	1711041	2" CERAMIC PLUNGER
	1711040	1 7/8" CERAMIC PLUNGER
	1711039	1 3/4" CERAMIC PLUNGER
	1711038	1 5/8" CERAMIC PLUNGER
130T-4H		
	1711039	1 3/4" CERAMIC PLUNGER
	1711038	1 5/8" CERAMIC PLUNGER
	1711037	1 1/2" CERAMIC PLUNGER
		1 3/8" CERAMIC PLUNGER
		1 1/4" CERAMIC PLUNGER

*LISTED PART NUMBERS WERE PREVIOUSLY HARD COAT PLUNGERS.

NOV NATIONAL OILWELL VARCO			
TITLE PLUNGER/INTERMEDIATE ROD ASSY. THREADED PLUNGER 130T-4 PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711889-13	REV B
SCALE NONE	EST WT	SHEET 1 OF 1	



DETAIL OF DRIP LUBE PIPING
SCALE : NONE

1	1790074	1790074	BRACKET, LUBRICATOR GUARD - BOTTOM	18
1	1790051	1790051	BRACKET, LUBRICATOR GUARD - TOP	17
4	6300070	6300070	NUT, HEX 7/16"	16
20	7600028	7600028	WASHER, 7/16" N TYPE A .922 O.D.	15
4	7000258-11	7000258-11	SCREW, HEX HEAD CAP 7/16 x 1/2" LG.	14
4	7000210-11	7000210-11	SCREW, HEX HEAD CAP 3/8" x 1/2" LG.	13
6	7168073	7168073	SCREW, HEX HEAD *8-32 x 1/4" TYPE F SELF TAPPING	12
3	7802200	7802200	CLIP, MULTI-LINE TUBING	11
3	25854704		TEE, 1/4" TUBE x 1/4" TUBE x 1/4" N.P.T. - S.S.	10
		G7819165	TEE, 1/4" TUBE x 1/4" TUBE x 1/4" N.P.T.	
3	64226988		ELBOW, 90° x 1/4" TUBE x 1/8" N.P.T. - S.S.	9
		7804080	ELBOW, 90° x 1/4" TUBE x 1/8" N.P.T.	
25 FT	64699402		TUBING, STAINLESS STEEL 1/4" O.D. x .035 WALL	8
		7400420	TUBING, COPPER 1/4" O.D. x .032 WALL	
1	7811072	7811072	LUBRICATOR, 3 FEED (LH)	7
	7811071	7811071	LUBRICATOR, 3 FEED (RH)	
1	4712480	4712480	BELT, V - 2480	6
1	1711021	1711021	SHEAVE, DRIVER 5.25" PD	5
1	7200020	7200020	SHEAVE, LUBRICATOR 6.2" PD	4
1	1711129	1711129	COVER, CRANKSHAFT EXTENSION	3
1	1710125	1710125	GUARD, LUBRICATOR BELT (INCL. ITEMS 17 & 18)	2
1	1711315	1711315	BRACKET, LUBRICATOR	1
QTY REQ'D	PART No.		DESCRIPTION / MATERIAL / SPECIFICATION	ITEM NO.
	LUBRICATOR ASSY. COMPLETE WITH STAINLESS STEEL LINES P/N 171122RS	LUBRICATOR ASSY. COMPLETE WITH COPPER LINES P/N 1711222		

LIST OF MATERIAL

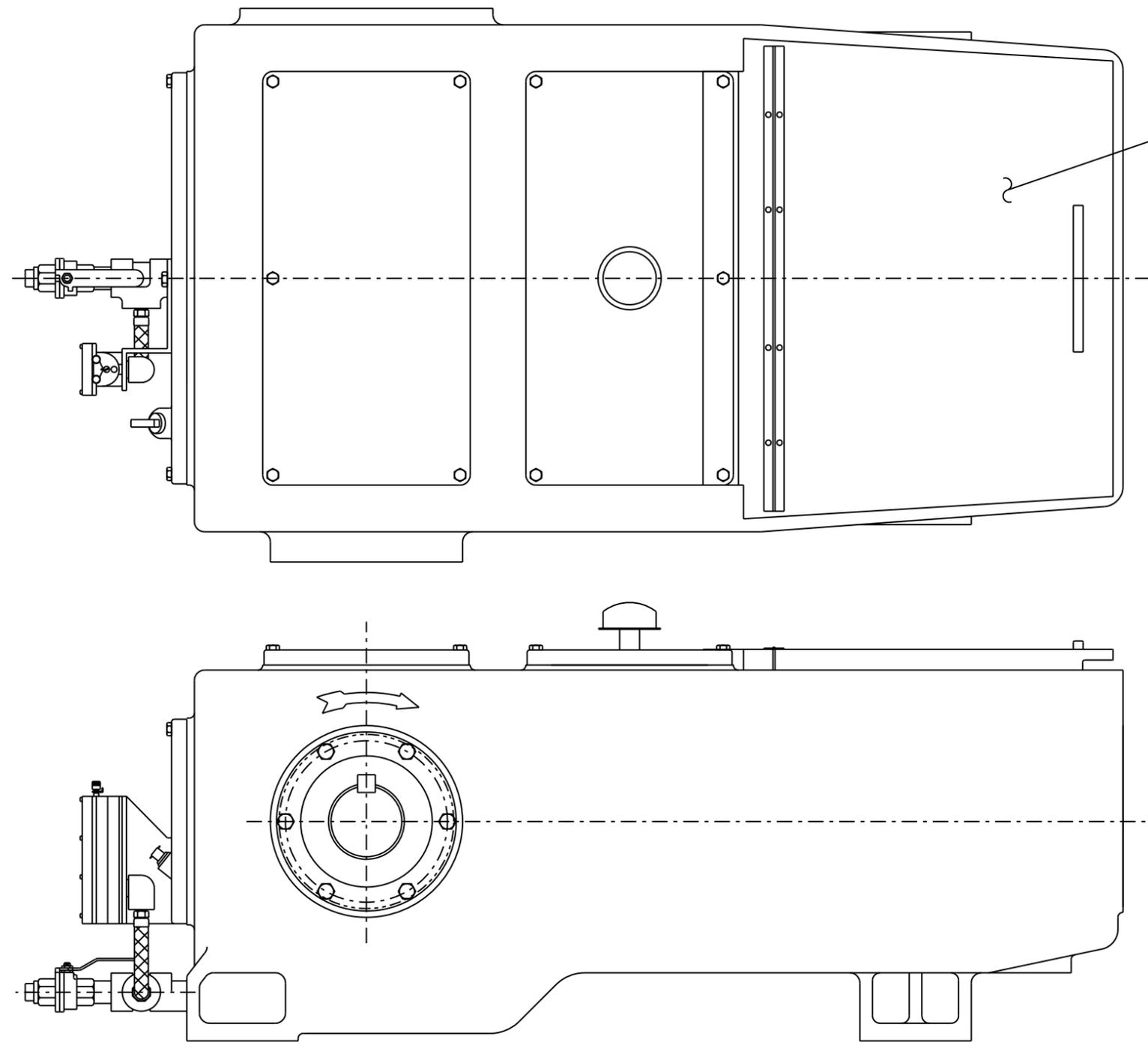
NOTE:
R.H. LUBRICATOR SHOWN
L.H. OPPOSITE

NOV NATIONAL OILWELL VARCO

TITLE LUBRICATOR ASSEMBLY PIPING
3-FEED LUBRICATOR (R.H. OR L.H.)
130T-4 TRIPLEX PLUNGER PUMP

SIZE D REFERENCE No. DRAWING No. 1711890-13 REV

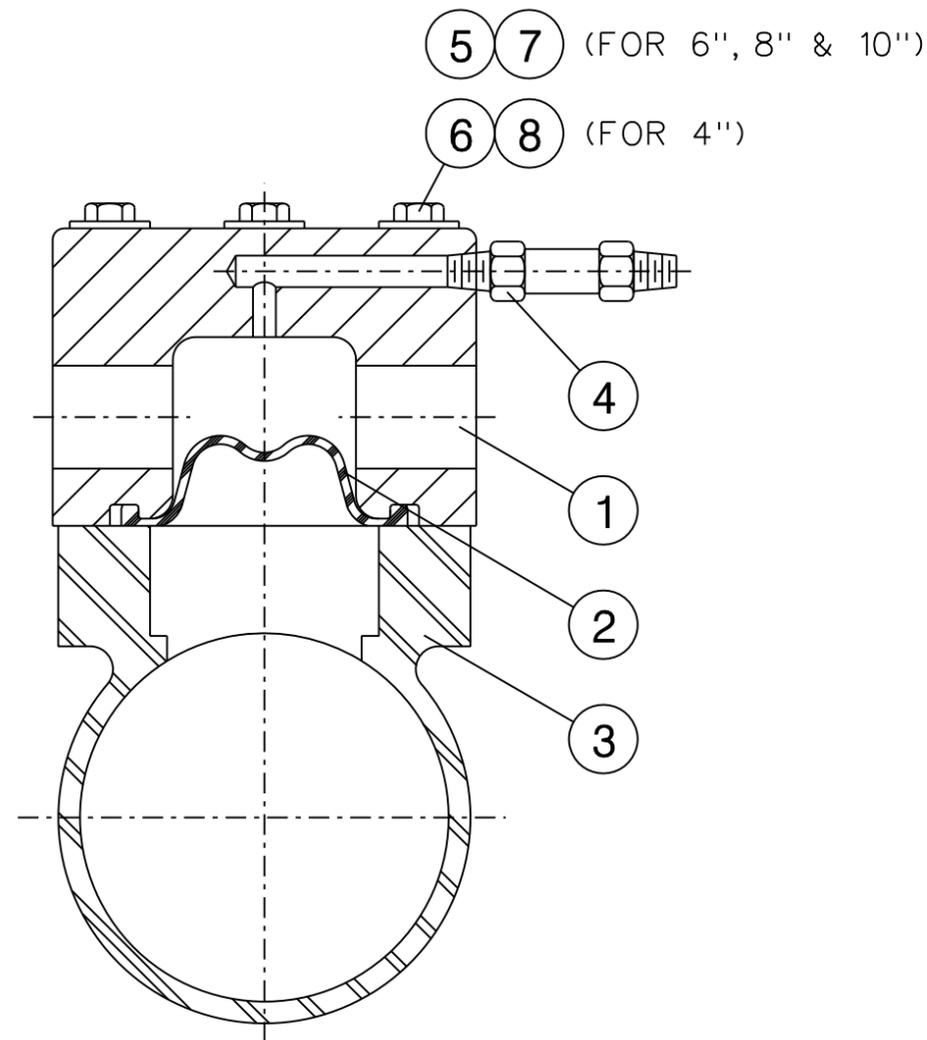
SCALE NONE EST WT SHEET 1 OF 1



PLUNGER CHAMBER COVER
 P/N 1711344 (14 GA. STL.)

OIL LEVEL SWITCH ASSY.
 (TYPICAL ARRANGEMENT)
 MURPHY L-129 SHOWN
 SWITCH MODEL, LOCATION & PIPING ARRANGEMENT
 WILL VARY DEPENDING ON APPLICATION

NOV NATIONAL OILWELL VARCO			
TITLE OPTIONAL ACCESSORIES 130T-4 TRIPLEX PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1711891-13	REV
SCALE NONE	EST WT	SHEET 1 OF 1	



*

14	7600020	WASHER, 5/16" (FOR 4")	14
18	7600020	WASHER, 5/16" (FOR 6", 8" & 10")	13
14	7000157-11	CAPSCREW, 5/16-18 x 1" LG. (FOR 4")	12
18	7000158-11	CAPSCREW, 5/16-18 x 1 1/4" LG. (FOR 6", 8" & 10")	11
1	1712218	GASKET, BLANKING PLATE (FOR 6", 8" & 10")	10
1	6000004	GASKET, BLANKING PLATE (FOR 4")	
1	1712217	PLATE, BLANKING (FOR 6", 8" & 10")	9
1	X17-1569	PLATE, BLANKING (FOR 4")	
14	7600020	WASHER, 5/16" (FOR 4")	8
18	7600020	WASHER, 5/16" (FOR 6", 8" & 10")	7
14	7000168-11	CAPSCREW, 5/16-18 x 3 3/4" LG. (FOR 4")	6
18	7000169-11	CAPSCREW, 5/16-18 x 4" LG. (FOR 6", 8" & 10")	5
1	7500021	CHECK VALVE, 1/8" (FOR 4", 6", 8" & 10")	4
1	1713201	10" PIPE BODY	3
1	1712501	8" PIPE BODY	
1	1712251	6" PIPE BODY	
1	1712250	4" PIPE BODY	
1	1712327	10" DIAPHRAGM	2
1	1712327	8" DIAPHRAGM	
1	1712327	6" DIAPHRAGM	
1	1712262	4" DIAPHRAGM	
1	1712329	10" DAMPENER	1
1	1712329	8" DAMPENER	
1	1712329	6" DAMPENER	
1	1712290	4" DAMPENER	
	1713200	DAMPENER COMPLETE - 10" (29" LG.)	
	1712502	DAMPENER COMPLETE - 8" (29" LG.)	
	1712253	DAMPENER COMPLETE - 6" (28" LG.)	
	1712252	DAMPENER COMPLETE - 4" (25 1/2" LG.)	
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.

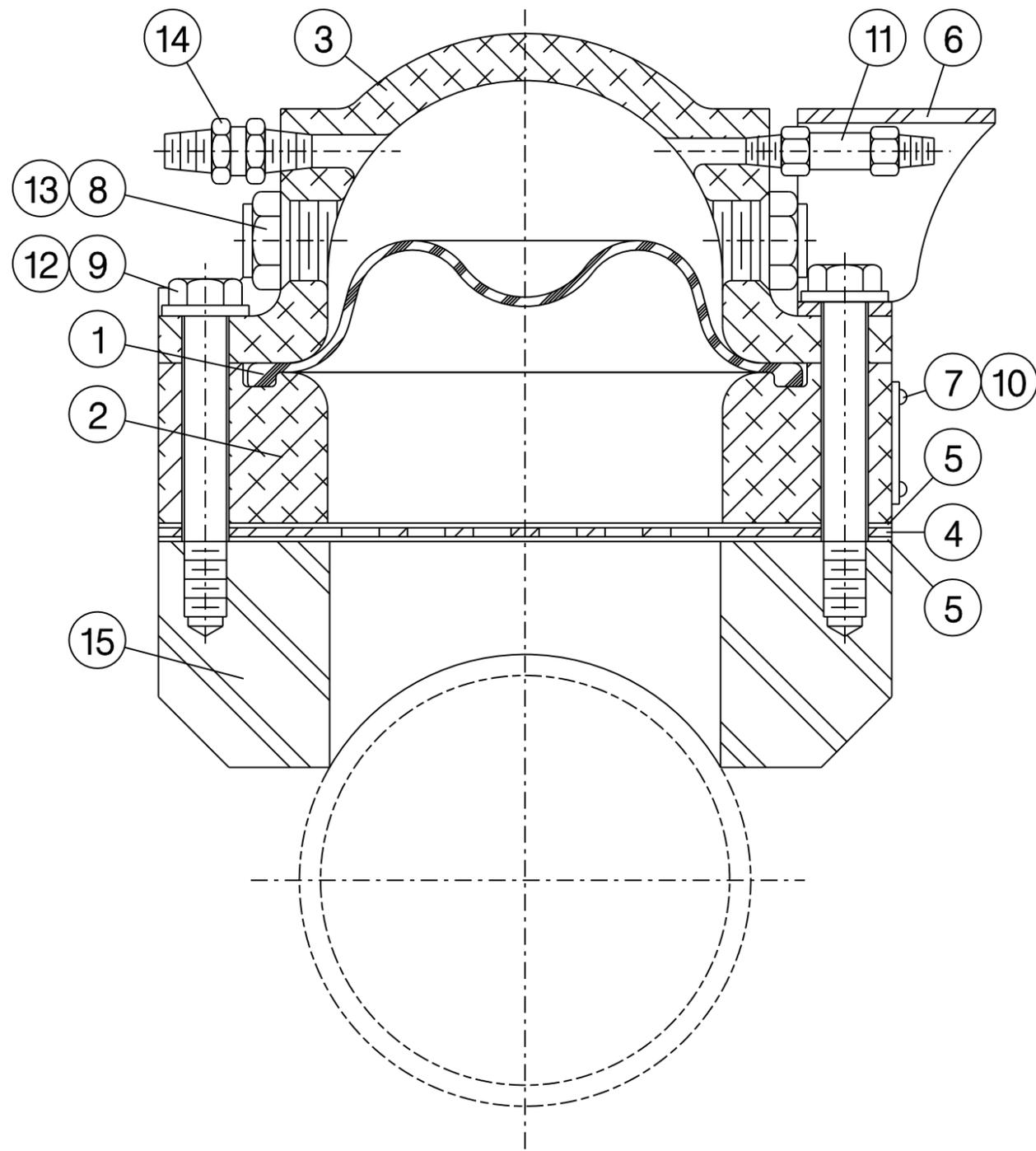
LIST OF MATERIAL

* L/M FOR BLANKING PLATE ASSEMBLY
ITEMS #9 THRU #14 ARE NOT SHOWN

NOV NATIONAL OILWELL VARCO

TITLE LOW PRESSURE PLASTIC BODY
IN-LINE SUCTION DAMPENER (WELD-ON)
PLUNGER PUMPS

SIZE	REFERENCE No.	DRAWING No.	REV
B		1711892-13	
SCALE	EST WT	SHEET 1 OF 1	
NONE			



*

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
1	1292234	PLATE, MOUNTING (FOR 12")	15
1	1290209	PLATE, MOUNTING (FOR 10")	
1	1290211	PLATE, MOUNTING (FOR 8")	
1	1291271	PLATE, MOUNTING (FOR 6")	
1	7500396	VALVE, RELIEF 1/4" NPT #559B-2M-70	14
1	7815106	PLUG, SIGHT TEDECO #W-54	13
32	7600036	WASHER, 9/16 N TYPE "A" 1.159 O.D.	12
1	7500021	VALVE, CHECK - DILL #02500-100AA-643VC	11
8	7178025	DRIVESCREW, #2 x 1/4" LG. ROUND HD.	10
32	7000361-11	CAPSCREW, 9/16-12UNC x 4" LG. HEX HD.	9
2	2410031-024	PACKING, SIGHT PLUG	8
1	2407136	PLATE, INSTRUCTION	7
1	1290228	GUARD, AIR VALVE	6
2	1290199	GASKET	5
1	1290198	RETAINER	4
1	1290197	COVER	3
1	1290196	SPACER	2
1	1290195	DIAPHRAGM	1
	1292233	DAMPENER COMPLETE - 12" (34 1/2" LG.)	
	1290208	DAMPENER COMPLETE - 10" (34 1/2" LG.)	
	1290210	DAMPENER COMPLETE - 8" (34 1/2" LG.)	
	1291270	DAMPENER COMPLETE - 6" (34 1/2" LG.)	
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.

LIST OF MATERIAL

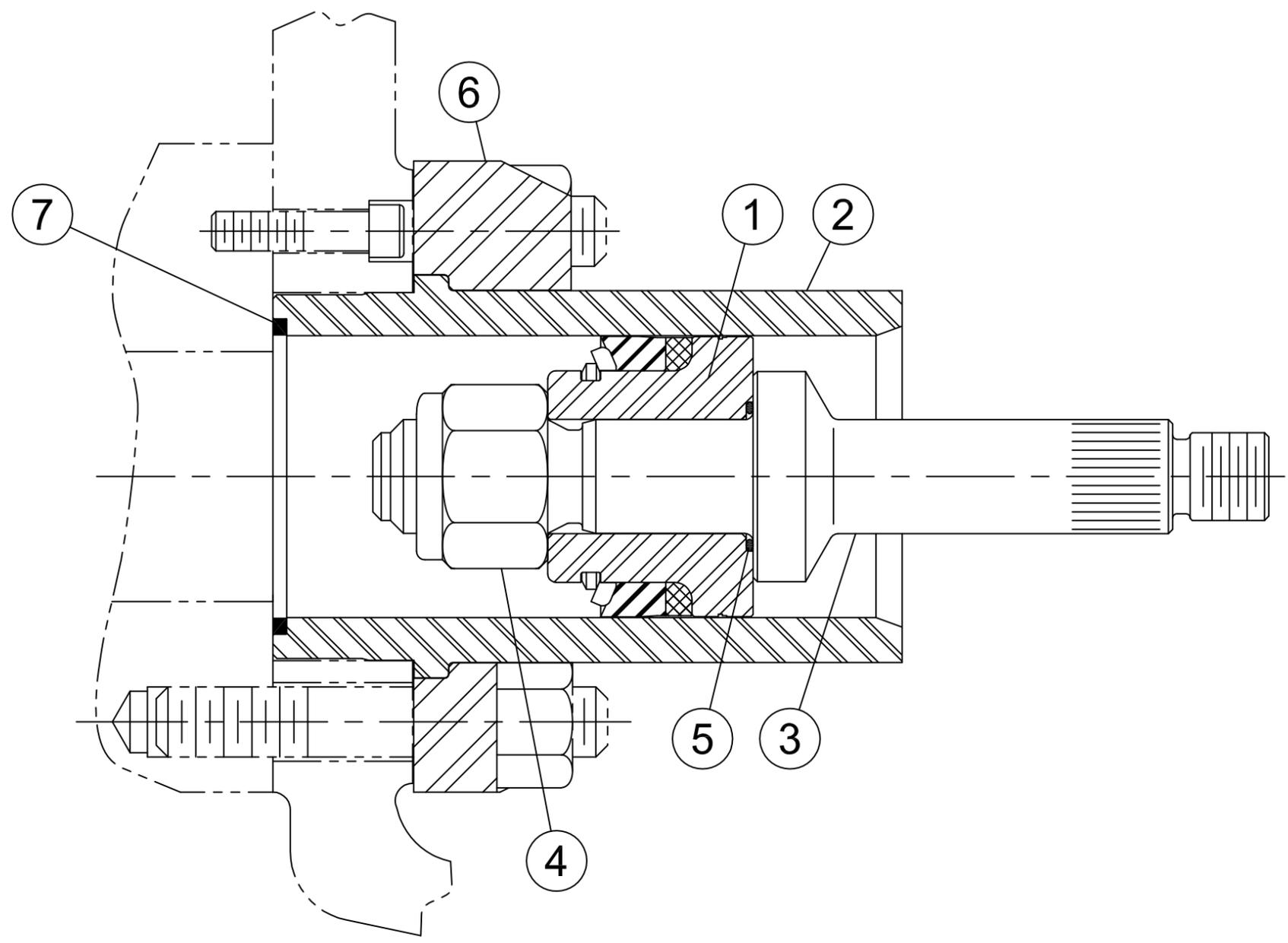
* FOR 6", 8", 10" & 12" DIA. DAMPENERS

NOV NATIONAL OILWELL VARCO

TITLE HIGH PRESSURE ALUMINUM BODY
IN-LINE SUCTION DAMPENER (WELD-ON)
PLUNGER PUMPS

SIZE B	REFERENCE No.	DRAWING No. 1711893-13	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO



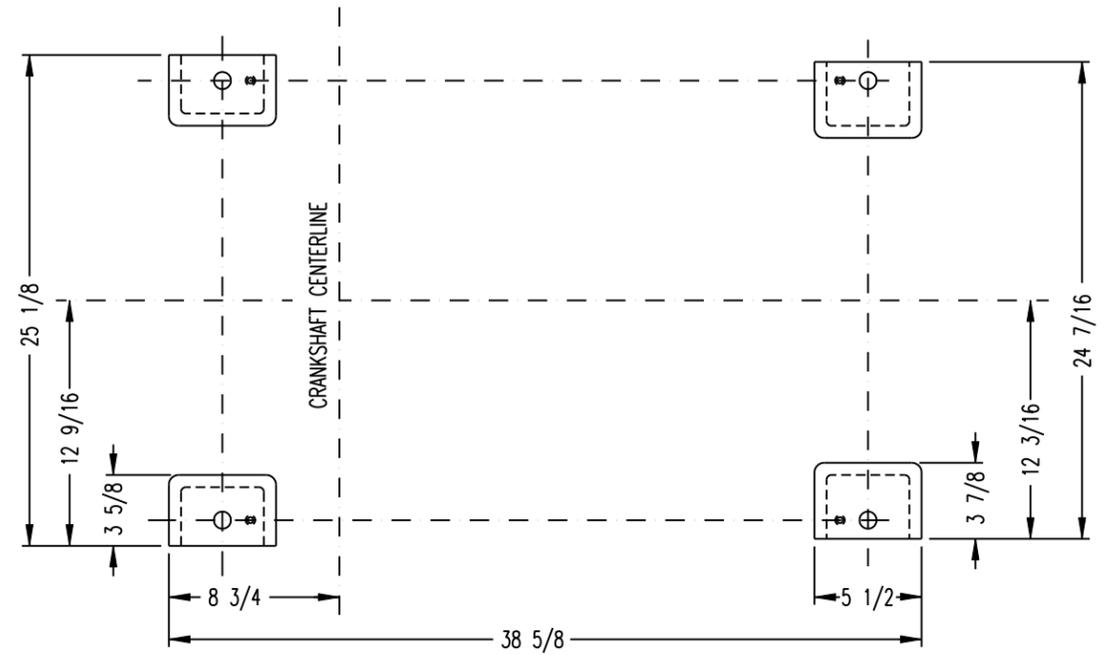
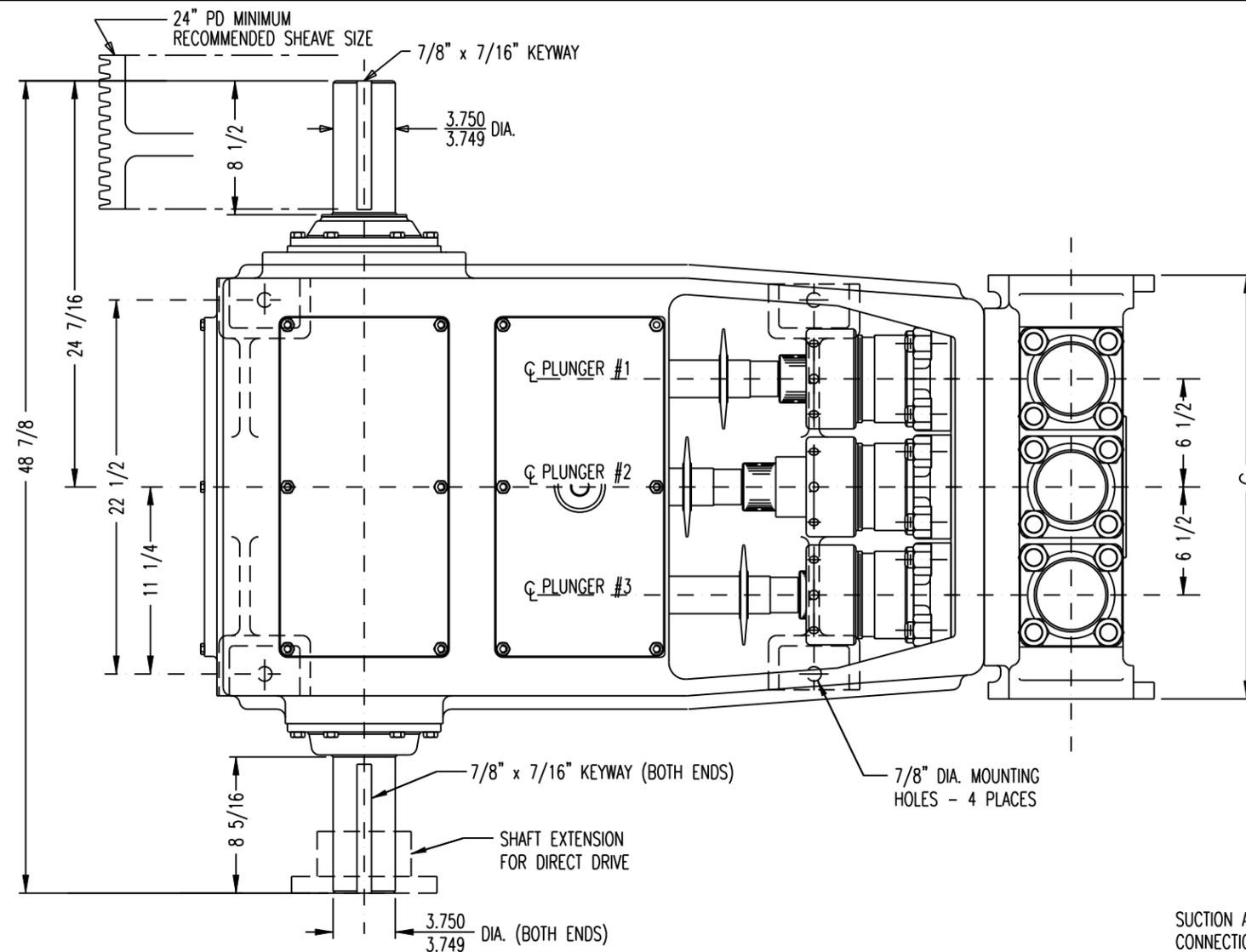
3	08-168-005	GASKET, LINER	7
3	1711316-13	RETAINER, LINER	6
3	072199508	O-RING, PISTON ROD	5
REF.	005402052	NUT, PISTON ROD (W/ ELASTIC STOP)	4
3	1711826-13	ROD, PISTON (INCLUDES ITEM #4)	3
3	1711827-13	LINER, PISTON - 4"	2
3	012180170	PISTON ASSEMBLY, CPT. - 4"	1
QTY.	PART No.	DESCRIPTION	ITEM No.

LIST OF MATERIAL

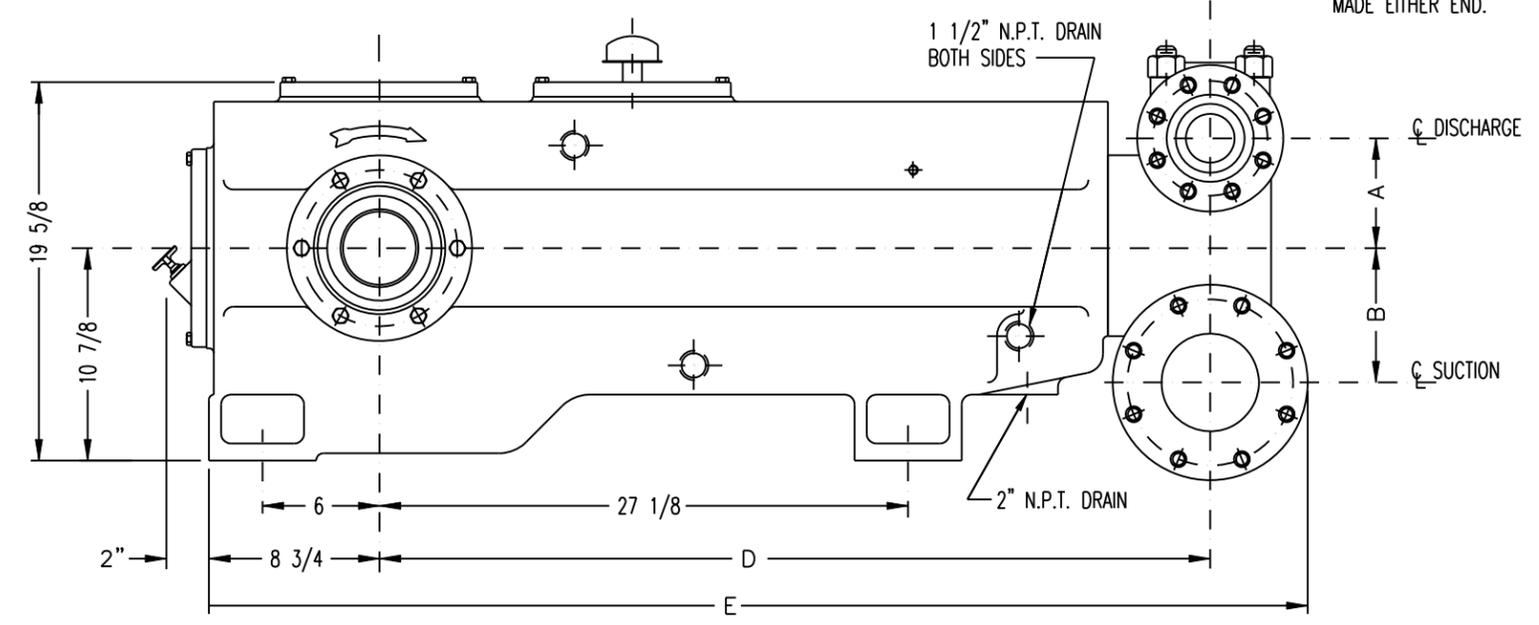
NOV NATIONAL OILWELL VARCO
 HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE **LINER & PISTON ASSY. - 4"**
130T- 4L TRIPLEX PUMP

SIZE B	REFERENCE No.	DRAWING No. 1711895-13	REV
SCALE NONE	EST WT	SHEET 1 OF 1	



PUMP FOOTPRINT



SUCTION AND DISCHARGE CONNECTIONS MAY BE MADE EITHER END.

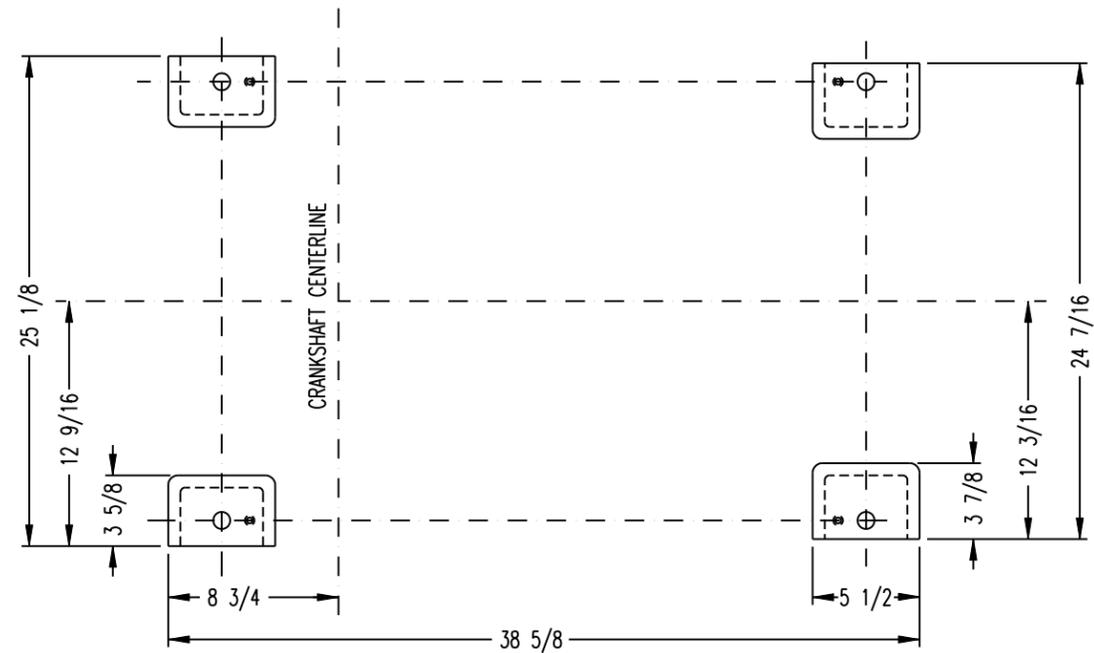
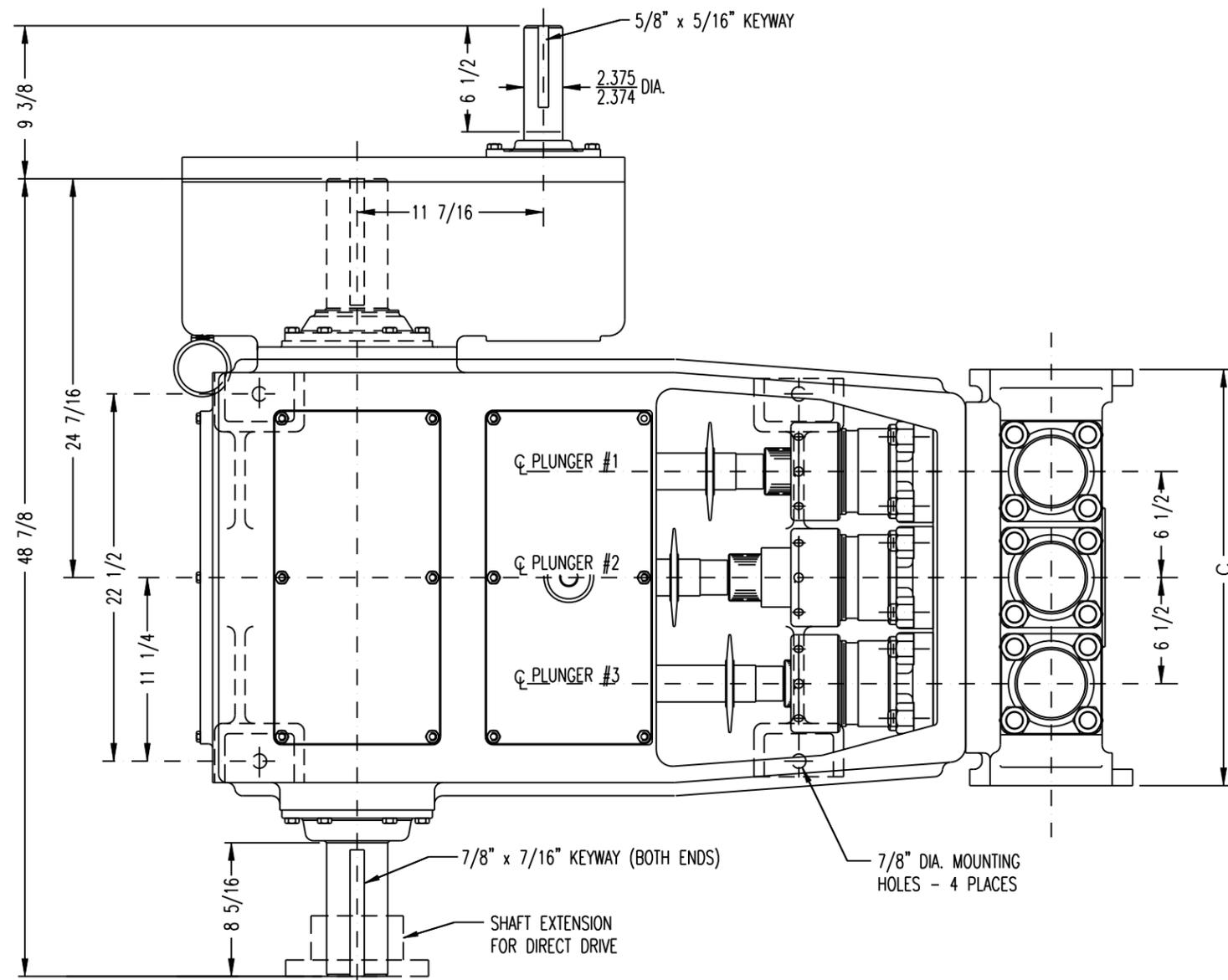
PUMP TYPE	DISCHARGE CONNECTION	SUCTION CONNECTION	SUCTION CONNECTION				
			A	B	C	D	E
130T-4LSF	2 1/2" API - 2000# R.J.	5" ANSI - 150# F.F.	5 5/8	6 7/8	25 1/2	42 5/8	58 3/8
130T-4MSF	1 1/2" API - 5000# R.J.	3" ANSI - 150# F.F.	4 3/4	5 1/4	23 3/4	41 7/8	55 3/8
130T-4HSF	1 1/2" ANSI - 2500# R.J.	3" ANSI - 300# F.F.	4 3/4	5 1/4	25 1/2	41 1/2	56 3/8

NOV NATIONAL OILWELL VARCO

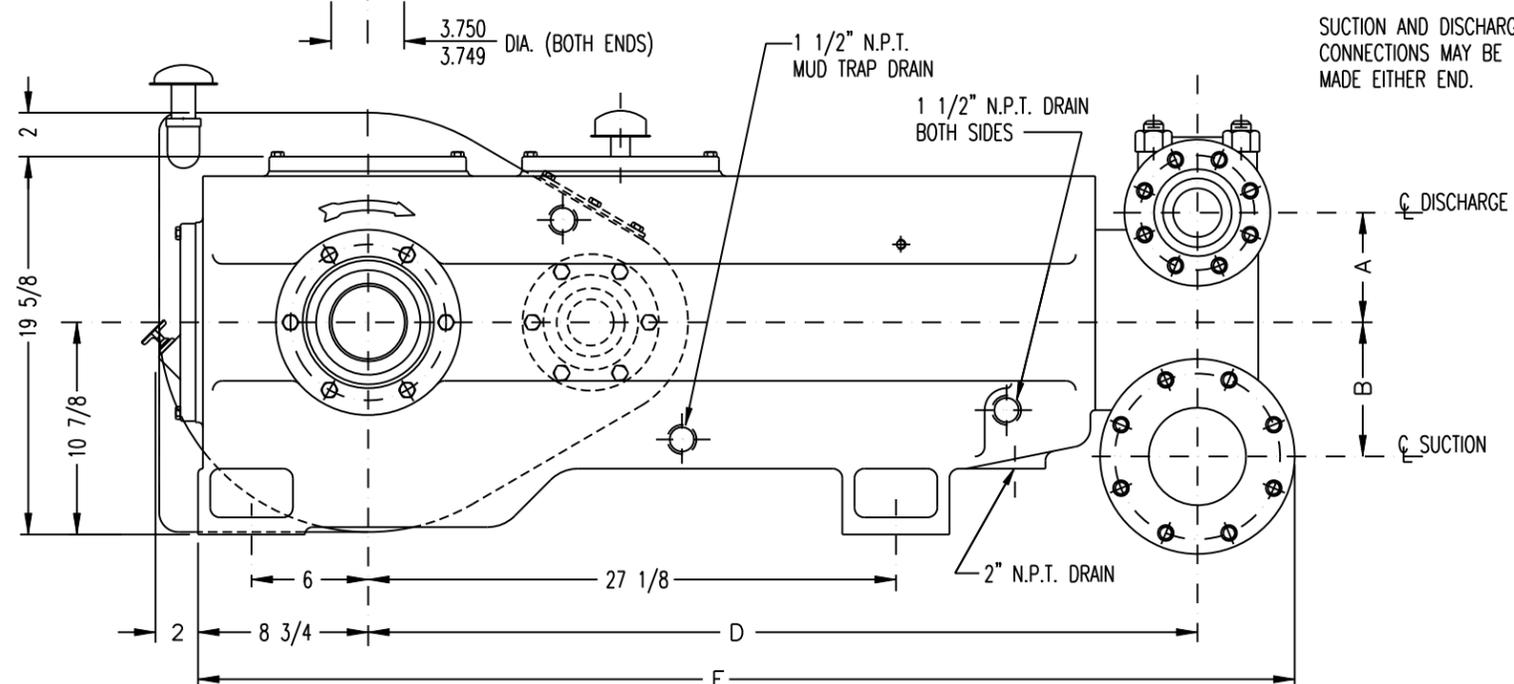
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE **OUTLINE DRAWING W/O GEAR REDUCER
130T-4 TRIPLEX PUMP**

SIZE D	REFERENCE No.	DRAWING No. 1711896-13	REV
SCALE NONE	EST WT	SHEET 1 OF 1	



PUMP FOOTPRINT



PUMP TYPE	DISCHARGE CONNECTION	SUCTION CONNECTION	DIMENSIONS				
			A	B	C	D	E
130T-4LSF	2 1/2" API - 2000# R.J.	5" ANSI - 150# F.F.	5 5/8	6 7/8	25 1/2	42 5/8	58 3/8
130T-4MSF	1 1/2" API - 5000# R.J.	3" ANSI - 150# F.F.	4 3/4	5 1/4	23 3/4	41 7/8	55 3/8
130T-4HSF	1 1/2" ANSI - 2500# R.J.	3" ANSI - 300# F.F.	4 3/4	5 1/4	25 1/2	41 1/2	56 3/8

NOV NATIONAL OILWELL VARCO

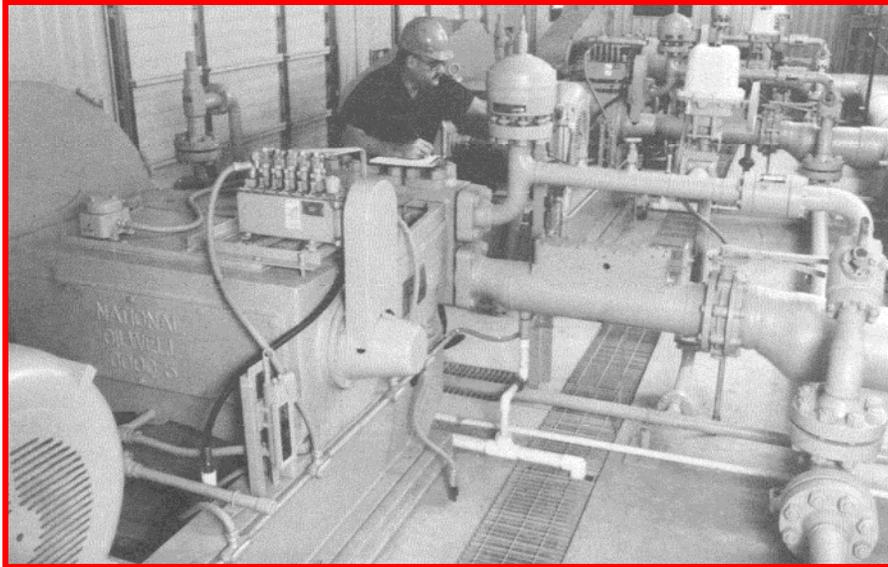
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE **OUTLINE DRAWING W/ GEAR REDUCER
130T-4 TRIPLEX PUMP**

SIZE **D** REFERENCE No. DRAWING No. **1711897-13** REV

SCALE **NONE** EST WT SHEET **1 OF 1**

NATIONAL OILWELL VARCO



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