

- 20 for the group (all section) :
 Items(1-10) should be :
 AA,PSL1,PR1,U
 Items(11-23)should be:
 DD,PSL2,PR2,U
 Items(24 -52)should be
 EE,PSL2,PR2,U
- 21 secondary seals for all groups and all sections spools must be separated out of the spool (not inside of the upper spool)
- 22 every sections should be completely assembled with all their parts in one wooden box
- 23 type (model) for main items like (casing head ,casing spool , tubing spool ,valves,....Ets) should be declared.
- 24 The Material should be a new not renew
- 25 the certificate of origin with shipment
- 26 the customs declaration with shipment

**Well Head Assy 13 5/8X 11X 7 1/16 X 3 1/2 X 5000 PSI ACC. TO
 API 6 A**

Item	Qty	description
		Section 1 AA,,PSL1,PR1, U
1	12	Casing head 13 5/8" x3000 psi w.p flanged top 13 3/8" type R-57 Slip - on welded Bottom , with two 2" L.p threaded side outlet
2	12	Slip and seal casing hanger manual 13 5/8"x9 5/8".
3	12	Secondary seal casing 13 5/8" x 9 5/8".
4	12	Bull plug 2" L.p x1/2"NPT tapped end 3000 psi w.p
5	12	Nipple 2" L.p x 6"approx.long *3000 psi w.p.
6	12	Gate valve 2 1/16"3000 psi w.p L.p screwed ends ,full bore through conduit non rising stem metal to metal seal (without any rubber seal) between gate and seat,Stem seal can be replaced under pressure hand wheel operated overlay welding ring grooves.
7	12	Needle valve 1/2"NPT male x female, Straight type 3000 psi w.p.
8	12	Pressure gauge(0- 3000) w.p 1/2"NPT male 4 1/2" O.D face ST/STL case.
9	12	Ring gasket API R-57 cadmium plated.
10	12	Set of 20 studs with two nuts 1 3/8"x10.25"ASTM A193 GR-B7M studs andASTMA194 GR-2HM nuts cadmium or zinc plated.

Section 2 DD,,PSL2,PR2, U

- 11 10 Casing spool 13 5/8" 3000 psi w.p flanged bottom type R-57 x 11" 5000 psi w.p flanged top RX-54 with two 2 1/16" API 3000 psi w.p studded side outlets.
- 12 10 Slip and seal casing hanger manual 11' x 7"
- 13 10 Secondary seal 11" x 7"
- 14 24 Gate valve 2 1/16" 5000 psi w.p L.p flanged ends type RX-24 ,full bore through conduit non rising stem without any rubber seal metal to metal seal between gate and seat and between seats and body stem seal can be replaced under pressure overlay welding ring grooves. hand wheel operated.
- 15 24 2 1/16" companion flange x 2" L.p 5000 psi w.p type RX - 24 overlay welding ring grooves
- 16 12 Bull plug 2" L.P x blind 5000 psi w.p.
- 17 12 Bull plug 2" L.P X 1/2" N.P.T female 5000 psi w.p
- 18 12 Needle valve 1/2" N .P.T male x female , Straight type 5000 psi w.p
- 19 12 Pressure gauge (0 - 5000) psi 1/2" NPT male 4 1/2" O.D ST/STL case
- 20 48 Ring gasket RX-24 cadmium plated
- 21 12 Ring gasket RX-54 cadmium plated
- 22 24 Set of 8 studs with two nuts 7/8" X 6" ASTM A193 GR-B7M studs and ASTM A 194 GR- 2H M nuts cadmium or zinc plated.
- 23 12 Set of 12 studs with two nuts 1 7/8" X 14 1/2" ASTM A 193 , GR -B7M studs and ASTM A 194, GR-2HM nuts cadmium or zinc plated

Section 3 EE,,PSL2,PR2, U

- 24 12 Tubing spool 11"x 5000 psi w.p type RX-54 bottom flanged x7 1/16" 5000 psi W.P type RX-46 flanged top with two 2 1/16" 5000 psi W.P type RX - 24 studded side outlets. Overlay welding ring groove
- 25 24 Gate valve 2 1/16" x5000 psi w.p flanged ends type RX -24 full bore through conduit non rising stem .without any rubber seal, metal to metal seal between gate and seat and between seats and body, stem seal can be replaced under pressure overlay welding ring grooves hand wheel operated
- 26 24 Companion flange 2 1/16" x 5000 psi W.P type RX-24 x2"LP overlay welding ring grooves
- 27 12 Bull plug 2" L.P x 1/2" NPT female 5000 psi w.p
- 28 12 Bull plug 2" L.P x blind 5000 psi w.p
- 29 12 Needle valve 1/2" NPT male x Female , Straight type 5000 psi W.P
- 30 12 Pressure gauge (0-5000) psi W.P x 1/2" NPT male 4 1/2" O.D ST/ STL case
- 31 48 Ring gasket RX-24 cadmium plated
- 32 12 Ring gasket RX-46 cadmium plated
- 33 48 Set of 8 studs with two nuts 7/8"x6" ASTM A 193, GR -B7M studs and ASTM A194,GR-2HM nuts cadmium or zinc plated
- 34 12 Set of 12 studs with two nuts 1 3/8"x 10 3/4" ASTM A 193 , GR-B7M studs and ASTM A194,GR-2HM nuts cadmium or zinc plated
- 35 12 Tubing hanger with extended neck 7 1/16" x 5000 psi W.P 3 1/2"EUE lift and suspension x 3"BPV thread with one port for 1/4" hydraulic control line, thread have to be treated with anti - galling .
- 36 12 Tubing head adapter 7 1/16" x5000 psi W.P flanged bottom type RX-46 x 3 1/8" x 5000 psi w.p flanged top type RX - 35 prepared to above extended neck tubing hanger. with down hole control line 1/4" NPT connection with safety valve screw and test valve . Overlay welding ring grooves
- 37 36 Gate valve 3 1/8" 5000 psi w.p flanged end type RX-35 full bore through conduit, non rising stem without any rubber seal, metal to metal seal between gate and seat and between seats and body. Stem seal can be replaced under pressure overlay welding ring grooves hand wheel operated .
- 38 60 Ring gasket RX-35 cadmium plated
- 39 12 Set of 8 studs with two nuts 1 1/8"x 7 1/4" ASTM A 193 , GR -B7M stud and ASTM A194,GR-2HM nuts cadmium or zinc plated.
- 40 12 Studded cross 3 1/8" x 5000 psi w.p run type RX - 35 x 2 1/16" x5000 psi w.p outlets type RX- 24
- 41 12 Top cap flanged bottom 3 1/8" x 5000 psi w.p type RX - 35 complete with hammer , nut and plug thread 1/2" NPT female , inside thread 3 1/2" EUE left thread .
- 42 24 Needle valve 1/2" NPT male x 1/2" NPT female, Straight type 5000 psi w.p

- 43 24 Pressure gauge (0 - 5000) psi w.p 1/2" NPT male 4 1/2" O.D face ST/STL case .
- 44 48 Gate valve 2 1/16" x 5000 psi w.p flanged ends type RX-24 full bore through conduit ,non rising stem without any rubber seal. metal to metal seal between gate and seat and between seats and body stem seal can be replaced under pressure overlay welding ring groove hand wheel operated .
- 45 84 Ring gasket RX-24 cadmium plated .
- 46 48 2 1/16" x 5000 psi w.p companion flange type RX - 24 x 2" L.P overlay welding ring grooves
- 47 24 Adjustable choke 2 1/16" x 5000 psi w.p flanged inlet type RX-24 x outlet with SSTC stem and seat assy . hand wheel operated . Overlay welding ring grooves
- 48 12 Bull plug 2" L.P tapped 1/2" NPT 5000 psi w.p
- 49 60 Set of 8 studs with two nuts 7/8"x6" ASTM A193 ,GR-B7M studs and ASTM A 194 GR-2HM nuts cadmium or zinc plate
- 50 2 Hydraulic plastic packing gun with pressure gauge
- 51 2 Hydraulic pressure test gun with pressure gauge
- 52 6 Test plugs 13 5/8" , 9 5/8" , 7" Qty 3 for every size

Accessories and S/P as the following

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|----|----|---|
| 1 | 1 | Mandrel casing hanger for flange 13 5/8" x casing 9 5/8" BTC thread Bottom with Suitable inner tolerance for bit 8 1/2" |
| 2 | 1 | Mandrel casing hanger for flange 11" x casing 7" BTC thread |
| 3 | 4 | Tubing hanger with extended neck 7 1/16" x 5000 psi W.P 3 1/2"EUE left and suspension x 3"BPV thread with one port for 1/4" hydraulic control line ,thread to be treated with anti-galling |
| 4 | 12 | Set of seal for item 2. |
| 5 | 12 | test plug to be used in tubing hanger (for test the X- mas tree) with necessary tools for makeup and break down |
| 6 | 12 | back pressure valve to be used in tubing hanger with necessary tools for makeup and break down |
| 7 | 12 | set of seal assy for back pressure valve |
| 8 | 2 | Slip and seal casing hanger manual 13 5/8"x9 5/8". |
| 9 | 2 | Slip and seal casing hanger manual 11' x 7". |
| 10 | 24 | Ring gasket API R-57 cadmium plated. |
| 11 | 24 | Ring gasket API R-35 cadmium plated. |
| 12 | 10 | Gate valve 2 1/16" x 5000 psi w.p flanged ends type RX-24 full bore through conduit , non rising stem without any rubber seal . metal to metal seal between gate and seat and between seats and body stem seal can be replaced under pressure Overlay welding ring grooves e hand wheel operated. |
| 13 | 12 | Set of 20 studs with tow nuts 1 3/8"x10.25"ASTM A193 GR-B7M studs and ASTM A194 GR-2HM nuts cadmium or zinc plated. |
| 14 | 12 | Set of 8 studs with two nuts 1 1/8x7.25 ASTM A 193 , GR -B7M stud and ASTM A194,GR-2HM nuts cadmium or zinc plated. |
| 15 | 6 | Gate valve 3 1/8" 5000 psi w.p flanged end type RX-35 full bore through. Conduit non rising stem without any rubber seal . metal to metal seal |
| 16 | 6 | Adjustable chock 2 1/16" x 5000 psi w.p flanged inlet x outlet with SSTC stem and seat assay . hand wheel operated . Overlay welding ring grooves |