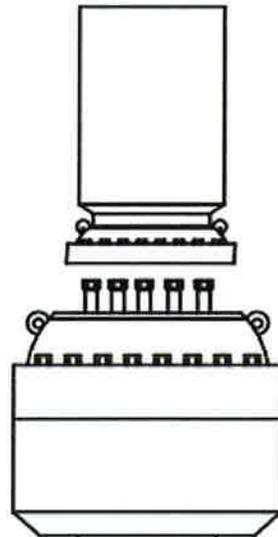


RIG SUPPLIED FLOW LINE:
 12" OD Schedule 40 Pipe
 3800 PSI Burst
 1000 PSI Working Pressure

RIG SUPPLIED FLOW LINE:
 12" OD Schedule 40 Pipe
 3800 PSI Burst
 1000 PSI Working Pressure



**29-1/2" 500# BELL
 NIPPLE**

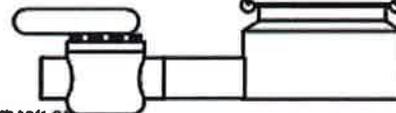
**29-1/2" 500# ANNULAR
 HEIGHT = 68.250
 WEIGHT = 24,500#
 GALLONS TO CLOSE = 60**

**(2) 12" SERIES 600 FLANGED GROVE MODEL
 B-5 BALL VALVE W/ LEDEEN "SY1407"
 SCOTCH-YOKE HYDRAULIC DOUBLE
 ACTING ACTUATOR 1440# MAXIMUM W.P.**

**29-1/2" 500# Drill Spool w/
 12" 2m Flanged Outlets
 Height : 42"**

**12" 2M Ball Valve w/
 Weldneck Flange**

**12" 2M Ball Valve w/
 Weldneck Flange**



**29-1/2" 500# Surface
 Nipple X 30" X 1.00"
 WALL**

**6" 300# GROVE STUDDED BALL VALVE W/ 6"
 300# "RF" FLANGED OUTLETS W/CB725
 BETTIS AIR ACTUATOR 150# MAXIMUM W.P.**

**THOMAS
 TOOLS**

A Schlumberger Company

**Walter Oil & Gas Corporation
 Eugene Island Blk 290
 Hercules 263 - OCSG-31376 #1
 29-1/2" 500# Diverter**

AUTHORED BY: Brannon Schexnayder

DATE: October 4, 2011

**THIS IS A SCHEMATIC REPRESENTATION OF THE CUSTOMER'S ORDER
 AND DESIGN TO CONFIRM EQUIPMENT**

Thomas Tools 29-1/2" 500# Diverter Operating Procedure

While Drilling & Tripping

1. Nipple up the 29-1/2" diverter using the hydraulic control lines from the Koomey control unit that normally operate the HCR valves for the two overboard diverter valves and the lines that normally operate the annular to operate the diverter.
2. Function test to insure overboard valves are operable - Open and Close.
3. Function test to insure the diverter is operable - Open and Close.
5. Continuous attention must be given to wind direction so that the appropriate (down wind) diverter valve is opened if a divert situation arises.
6. If a diverting situation occurs, care must be taken to OPEN the appropriate diverter valve first and then close the annular to prevent closing the well in and breaking down at the shoe.