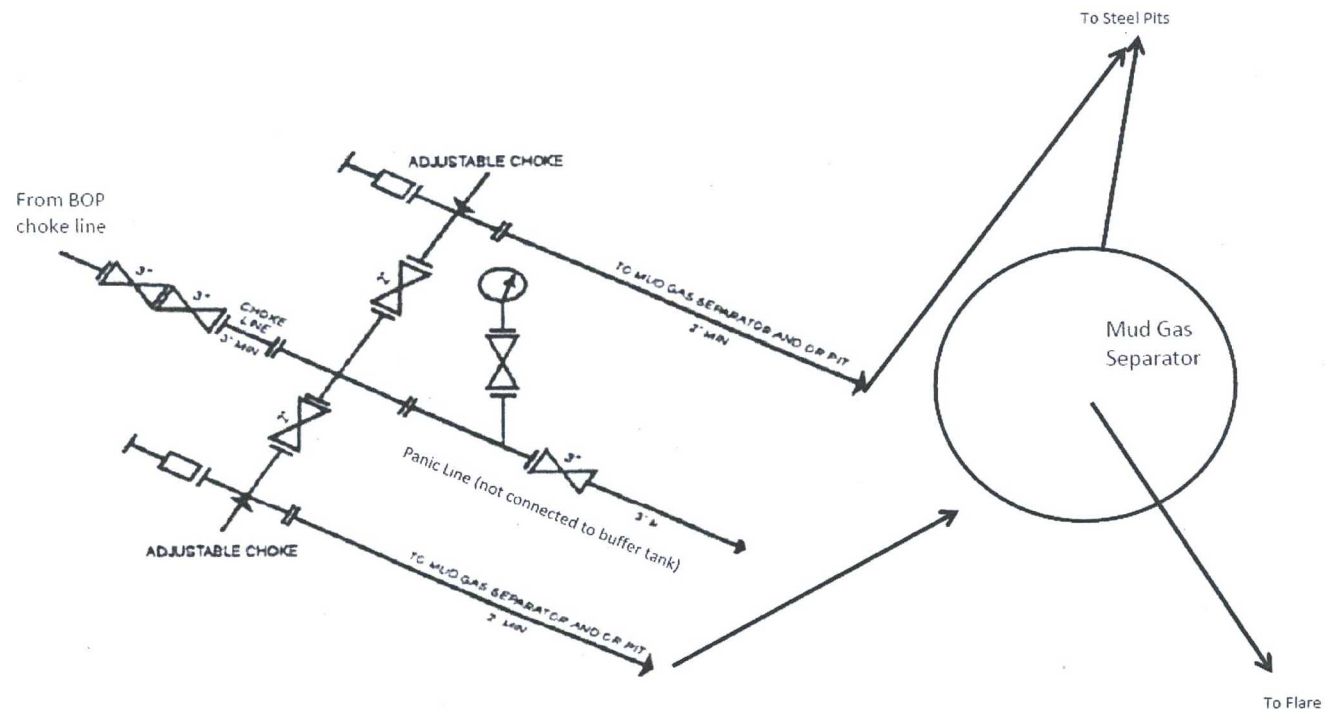




3M choke manifold design

Exhibit A1

3,000 psi BOP Schematic

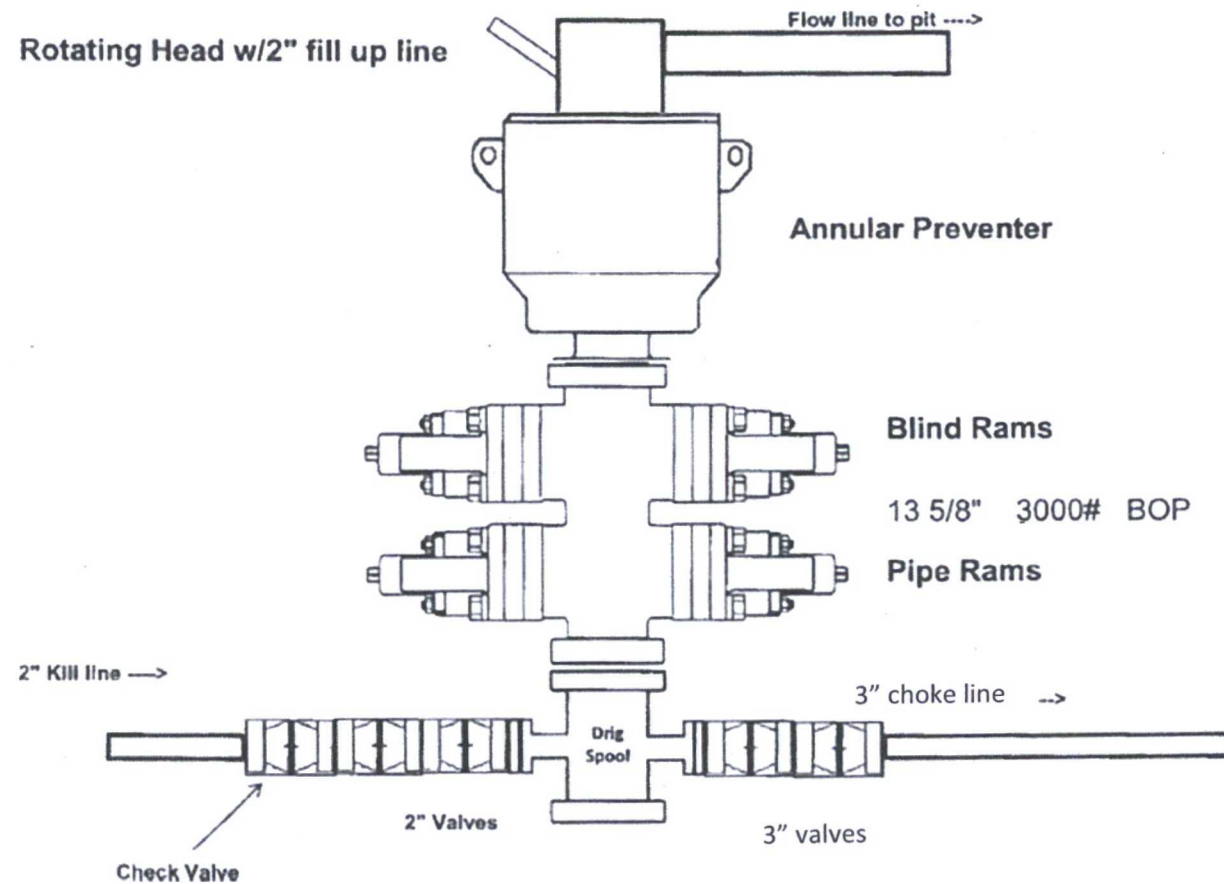
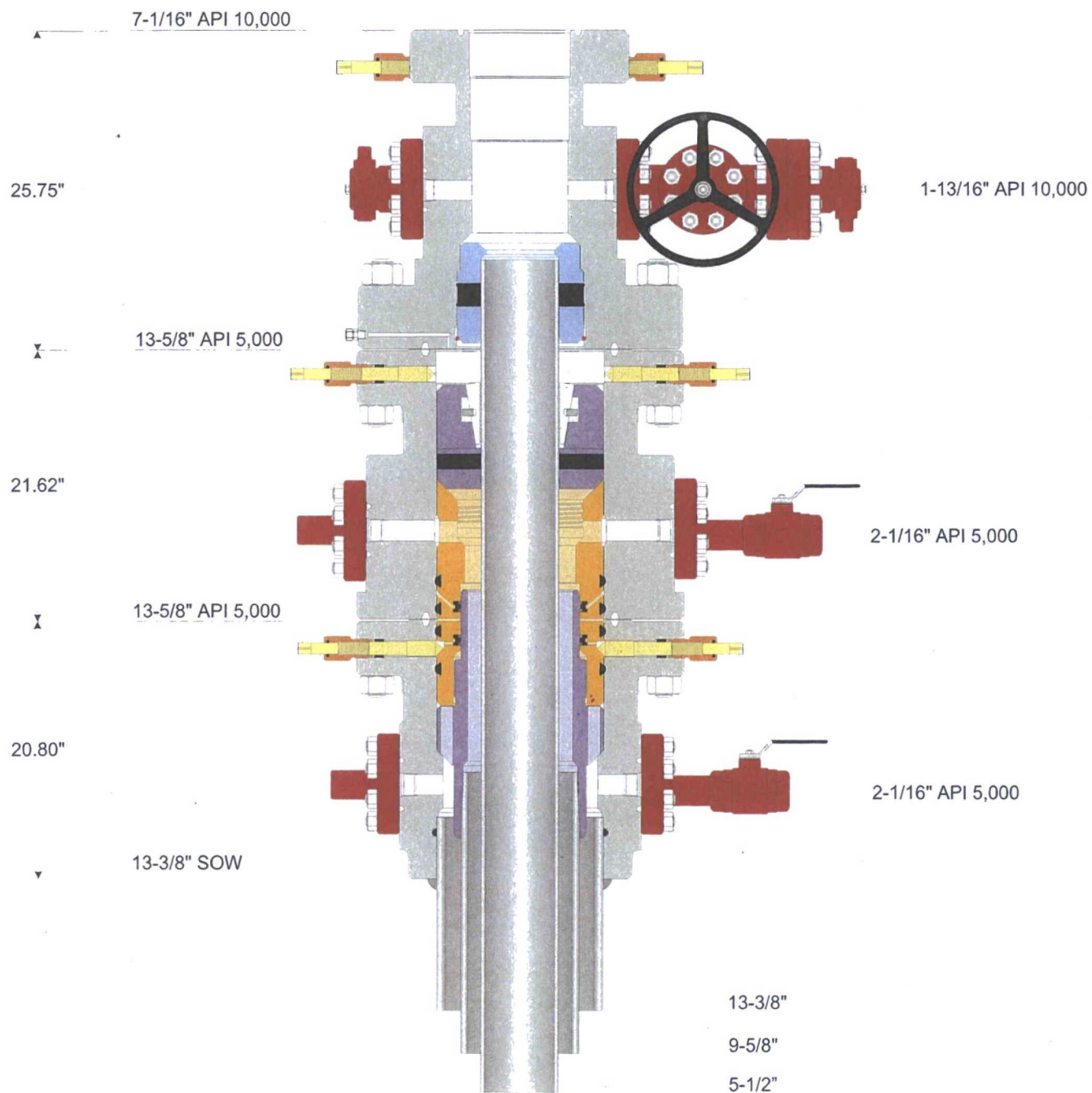


Exhibit A

NOTE: THIS DRAWING IS NOT TO SCALE. THE DIMENSIONS REFLECTED ON THIS DRAWING ARE ESTIMATED DIMENSIONS AND ARE FOR REFERENCE ONLY.



Weatherford

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Customer: BTA OIL PRODUCERS	Project No.: 146245	Quote No.: 291545 v2
Project Name: WEST TEXAS	Date: 07/06/16	Drawn By: JL



BTA Oil Producers, LLC

Well: Mesa 8105 JV-P #29H

Casing Assumption

Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/Buoyant	Mud Weight (ppg)
17.500	13.375	0	710	0	710	No	54.5	J-55	STC	3.40	9.75	24.30	14.53	Dry	8.40
12.250	9.625	0	4715	0	4715	No	40.0	J-55	LTC	1.68	2.58	3.29	2.71	Dry	10.00
8.750	5.500	0	19422	0	9520	No	17.0	P-110	LTC	3.04	4.32	3.37	2.74	Dry	9.20



Page: 16 / 176

Asset 24455

CERT. N° 1592

P.O. N°: 4500461753

HOSE TYPE:	3" ID	Choke & Kill Hose
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NOMINAL / ACTUAL LENGTH: 7,62 m / 7,66 m

Pressure test with water at ambient temperature

See attachment. (1 page)

γ 10 Min.
 $\uparrow$ 50 MPa

Not Designed For Well Testing
Fire Rated

API Spec 16 C

Temperature rate:"B"

All metal parts are flawless

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these Items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements

Quality Control

04 September 2014.

File Name
Device Type
Serial No.
Data Count

000220 68543.68545-547 GEV 000236 68543.68545-547 GEV
68543.68545 SE247
CX-10
SPP005389
0046

Sampling In
Start Time
Stop Time

1.000 sec
2014/09/04 01:53:54.000
2014/09/04 04:39:39.000

Part Group
Part Range
Comment

Process Temp
2014/09/04 01:53:54.000 - 2014/09/04 04:39:39.000

Unit No	Curve A	Curve B	Difference
2472	2014/09/04 02:51:05.000	2014/09/04 02:51:05.000	01.60701630
Average Time	2014/09/04 02:51:05.000	2014/09/04 02:51:05.000	01.60701630
Gas Content	Value A	Value B	Value B-A
2472	1082.95	1045.57	-37.38
Average Time	2014/09/04 02:51:05.000	2014/09/04 02:51:05.000	-37.38

