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Rig 94

Asset 24455

CERT. NO: 1592

P.O. №: 4500461753

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

Duration: 60 min.

See attachment. (1 page)

γ 10 Min.
 $\uparrow$ 50 MPa

COUPLINGS Type	Serial N°	Quality	Heat N°
3" coupling with 4 1/16" 10K API Swivel Flange end Hub	2574 5533	AISI 4130 AISI 4130 AISI 4130	A1582N H8572 59855 A1199N A1423N

API Spec 16 C

Temperature rate:"B"

All metal parts are flawless

WE CERTIFY THAT THE ABOVE NOSE 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.

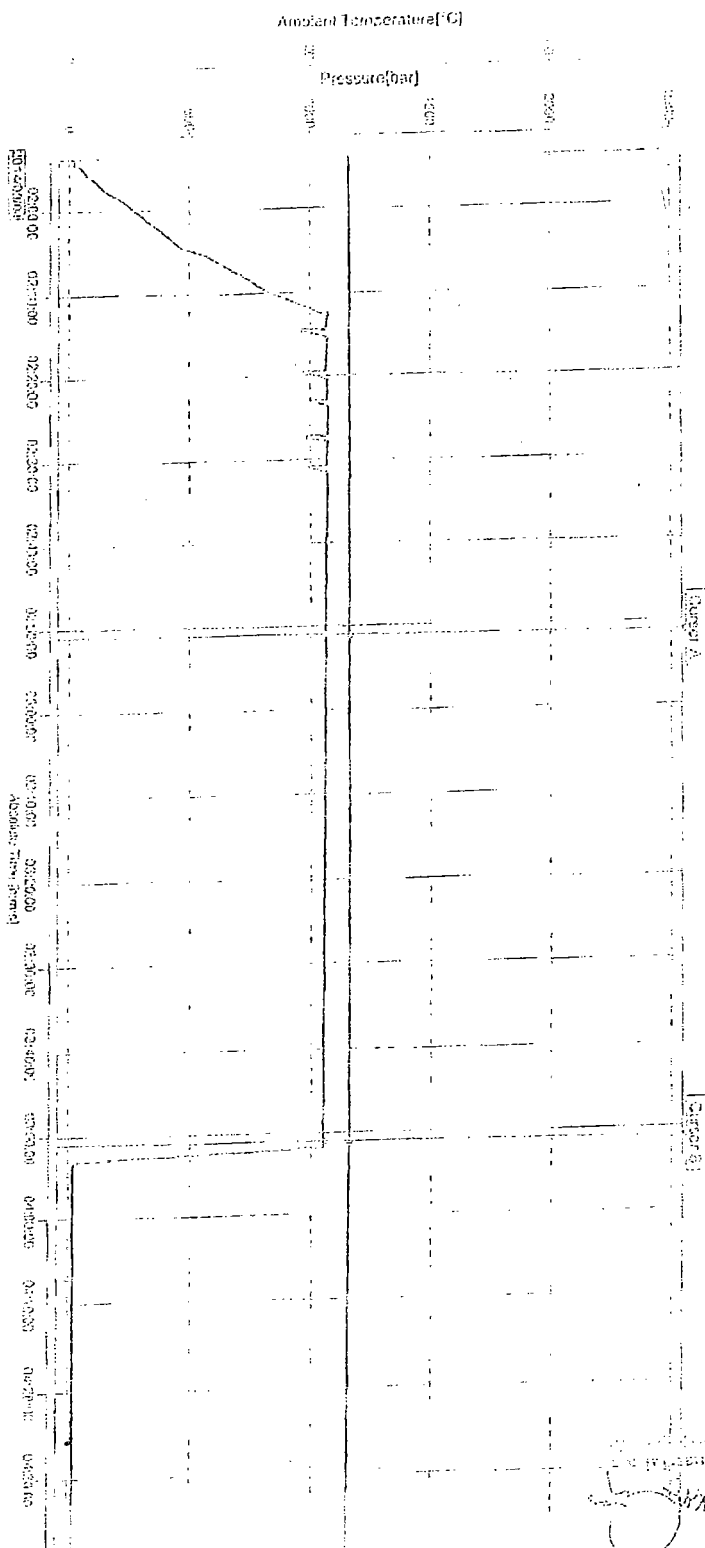
Quality Control

04 September 2014.

1.000 sec
2014/09/06 01:52:54.000
2014/09/06 01:53:39.000

2014/09/01 01:33:54.000 - 2014/09/01 01:33:59.000

Case #	Case A	Case B	Distance
012336	24.67	10.00	24.67
Amount Time	30:41:05.000	30:41:05.000	31:00:00.000
5m Comment			Value 5-A
Pressure (mmHg)	100.00	100.00	110.00
Temperature (°C)	37.2	37.1	37.0



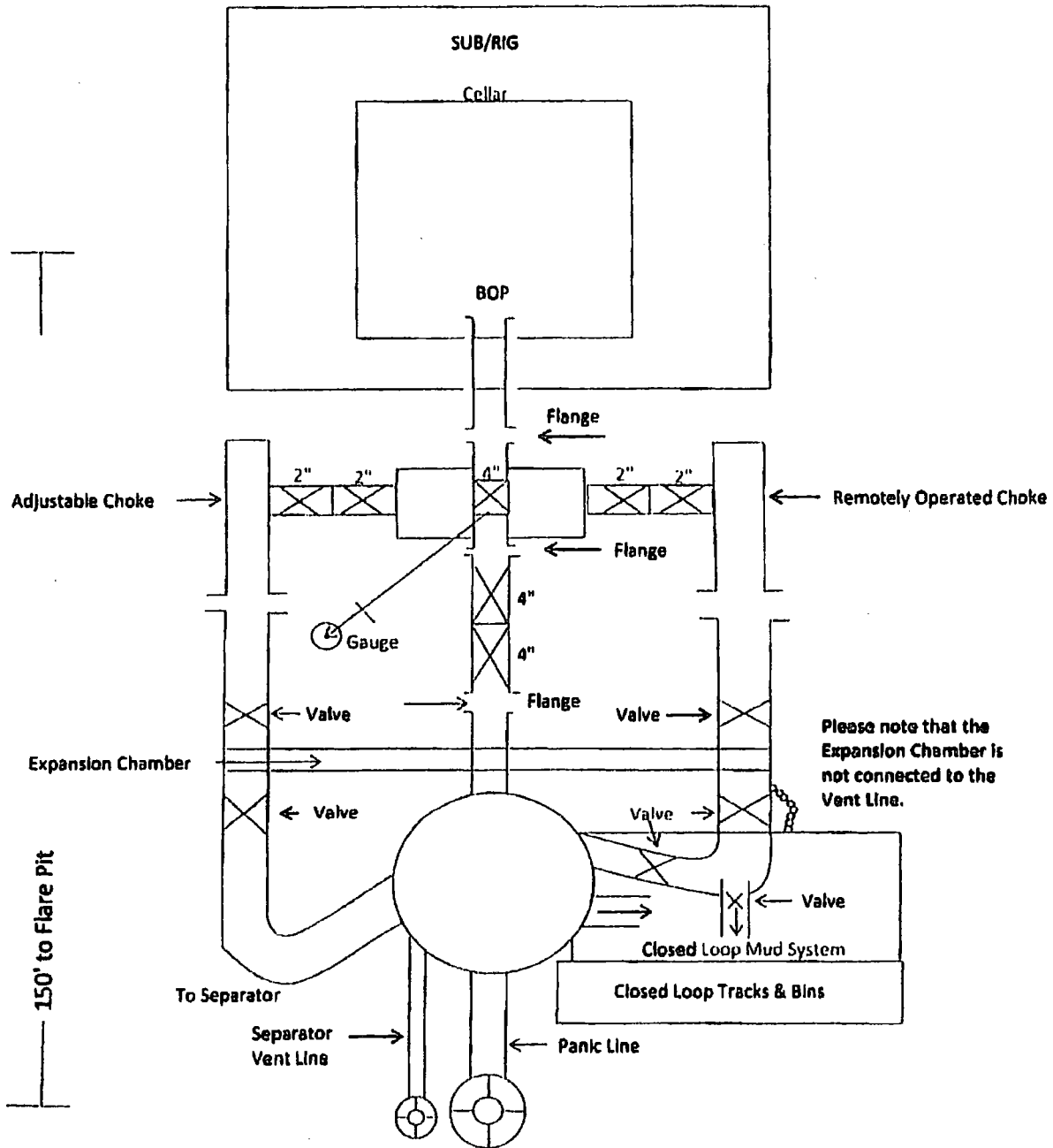


BTA Oil Producers, LLC

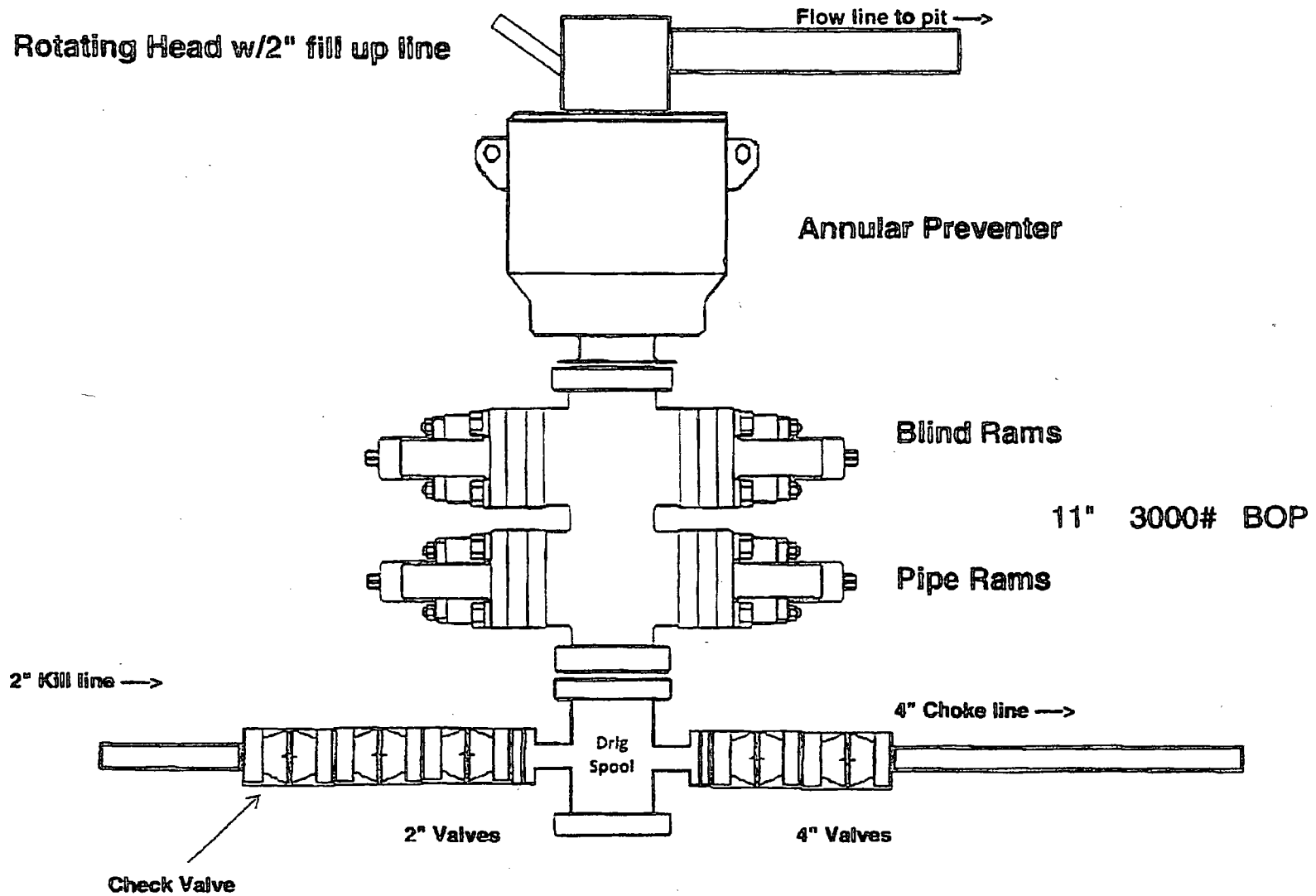
Well: Grama 8817-16-9 Federal Com #4H

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)
17.50	13.375	-0	1621	0	1621	No	54.5	J-55	STC	1.6	3.86	9.5	5.7	Dry	8.4
12.25	9.625	0	5320	0	5320	No	40.0	J-55	LTC	1.6	1.4	2.9	2.1	Dry	10.0
8.75	5.50	0	20367	0	10455	No	17.0	P-110	LTC	1.5	2.1	3.1	2.5	Dry	9.2

3M Choke Manifold Equipment



3,000 psi BOP Schematic





BTA Oil Producers, LLC

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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)
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12.25	9.625	0	5320	0	5320	No	40.0	J-55	LTC	1.6	1.4	2.9	2.1	Dry	10.0
8.75	5.50	0	20367	0	10455	No	17.0	P-110	LTC	1.5	2.1	3.1	2.5	Dry	9.2



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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)
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12.25	9.625	0	5320	0	5320	No	40.0	J-55	LTC	1.6	1.4	2.9	2.1	Dry	10.0
8.75	5.50	0	20367	0	10455	No	17.0	P-110	LTC	1.5	2.1	3.1	2.5	Dry	9.2



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8.75	5.50	0	20367	0	10455	No	17.0	P-110	LTC	1.5	2.1	3.1	2.5	Dry	9.2