

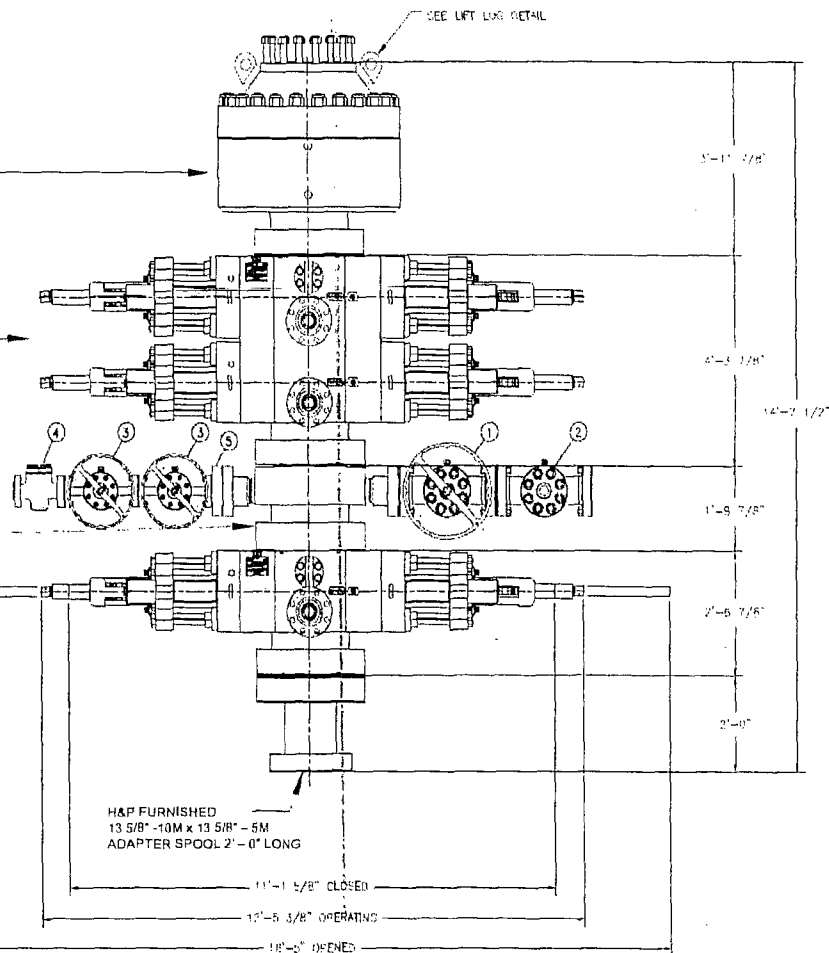
- LEGEND:
- (1) - 4 1/16"-10M FLANGED END GATE VALVE
 - (2) - 4 1/16"-10M FLANGED END GATE VALVE WITH DOUBLE ACTING HYDRAULIC ACTUATOR
 - (3) - 2 1/16"-10M FLANGED END GATE VALVE
 - (4) - 2 1/16"-10M FLANGED END CHECK VALVE
 - (5) - DOUBLE STUDDED HANGER

SHAFFER POLY-COLOR SPHERICAL ANNULAR PREVENTER (API 16A MONOGRAMMED, 13 5/8"-10M WP), 10M BOTTOM FLANGE x 5M STUDDED TOP (WEIGHT = 14,000 LBS WITH SHAFFER API 16A HOT OIL RESISTANT ADJUSTABLE ELEMENT)

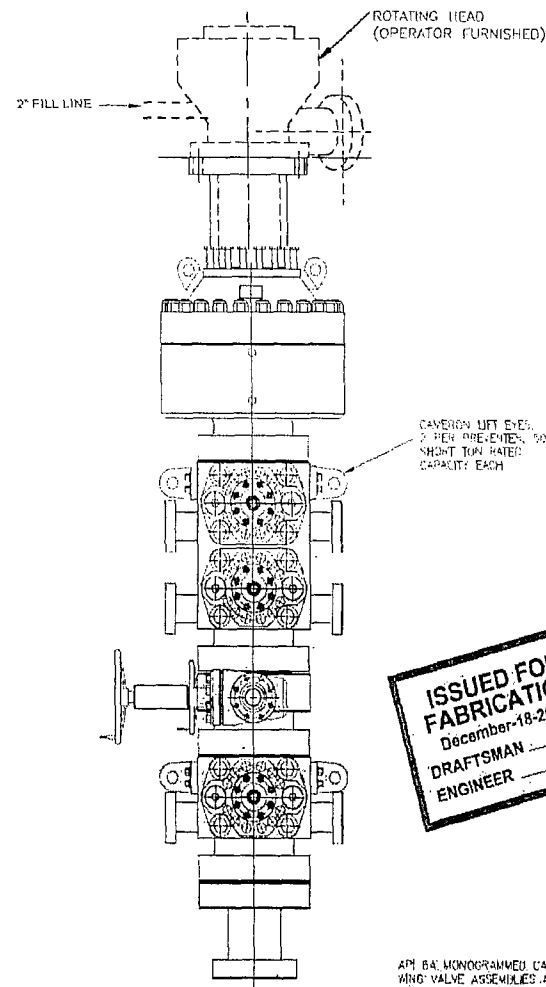
CAMERON LM DOUBLE RAM-TYPE PREVENTER (API 16A MONOGRAMMED, 13 5/8"-10M WP), WITH 5" CAMERON PIPE RAMS (CAMRAM FRONT WALKERS & TOP SEALS) IN TOP CAVITY AND CAMERON LM SHEARING BUND RAMS IN BOTTOM CAVITY BOTTOM FLANGE x STUDDED TOP (WEIGHT = 21,100 LBS WITH RAMS)

13 5/8"-10M WP CAMERON DRILLING SPONL (API 16A MONOGRAMMED), STUDDED TOP x FLANGED BOTTOM, WITH 4 1/16"-10M WP FLANGED OUTLETS (WEIGHT APPROXIMATELY 6,000 LBS)

CAMERON LM SINGLE RAM-TYPE PREVENTER (API 16A MONOGRAMMED, 13 5/8"-10M WP), WITH 5" CAMERON PIPE RAMS (CAMRAM FRONT WALKERS & TOP SEALS) BOTTOM FLANGE x STUDDED TOP (WEIGHT = 10,900 LBS)



13 5/8 - 10M BOP STACK
WITH 13 5/8 - 5M ANNULAR



ISSUED FOR
FABRICATION
December-18-2007
DRAFTSMAN
ENGINEER

API 6A MONOGRAMMED CAMERON CHOKER AND KILL KING VALVE ASSEMBLIES ARE NOT SHOWN FOR CLARITY

WEIGHTS DO NOT INCLUDE HOSES, ADAPTER SPOOLS OR QUICK CONNECT FITTINGS

PROPRIETARY

THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED IN THIS DRAWING ARE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF A DULY AUTHORIZED OFFICER OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.



HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

13 5/8"-10M BOP 3 RAM STACK
FLEXRIG3

CUSTOMER: H&P

PROJECT: FLEXRIG3

DRAWN: MTS DATE: 6-5-07 DWG. NO.:

SCALE: 3/4"=1' SHEET: 1 OF 1

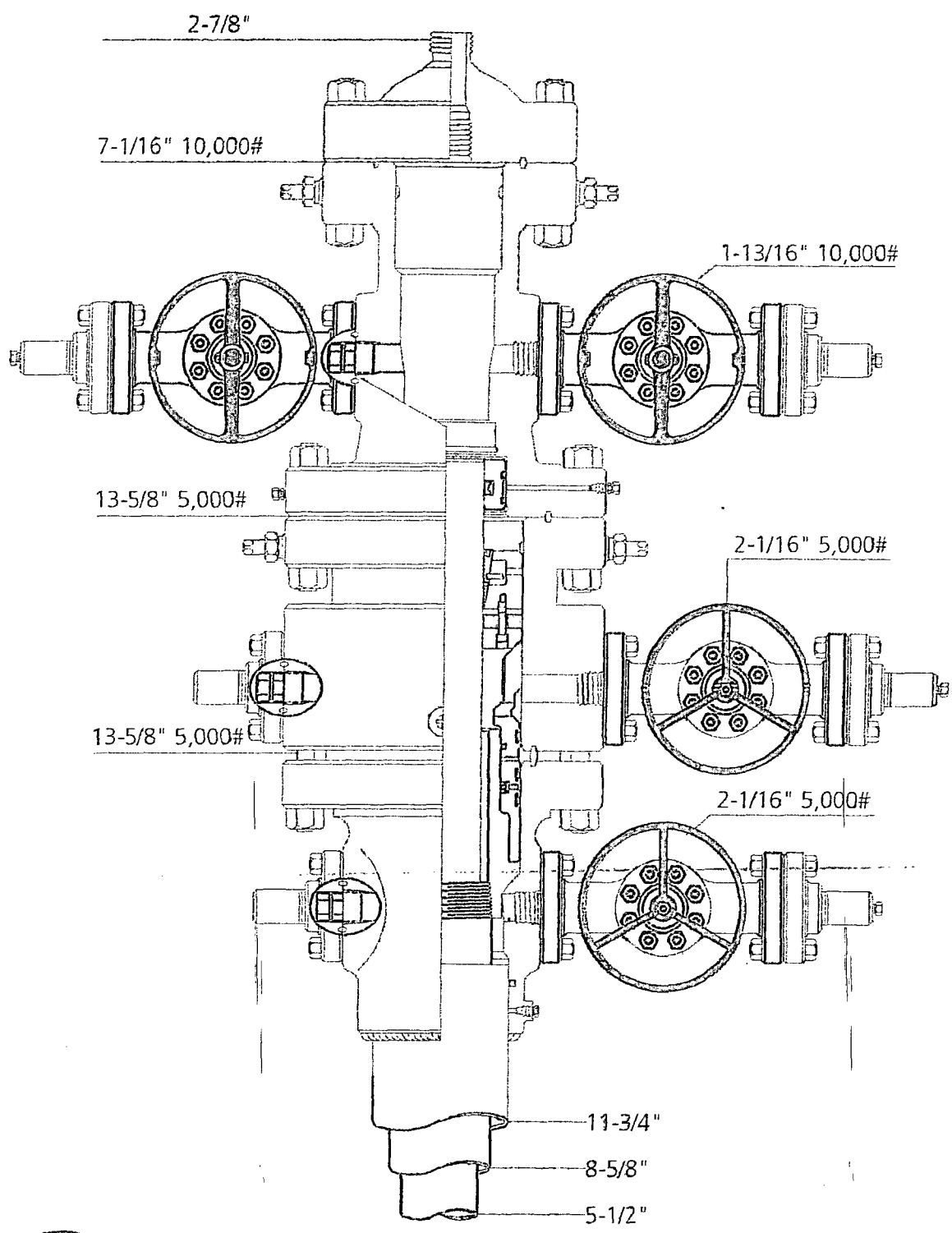
210-P1-07

REV. E

		ENGINEERING APPROVAL	
	12/18/07	ADDED SHEET 01	
	4-10-07	GROWTH ADDED TOILET SHOWER ADAPTER VALVES 1, 2, 3 AND MS CHECK VALVE ADDED	
	4-04-07	* ADDED TO SPACER ADAPTER SPOOL	
	02-02-07	ADDED ADAPTER SPOOL	
	06-13-02	CORRECTED BOB STACK	
REV	DATE	DESCRIPTION	

POP - 1

NOV 18 2014

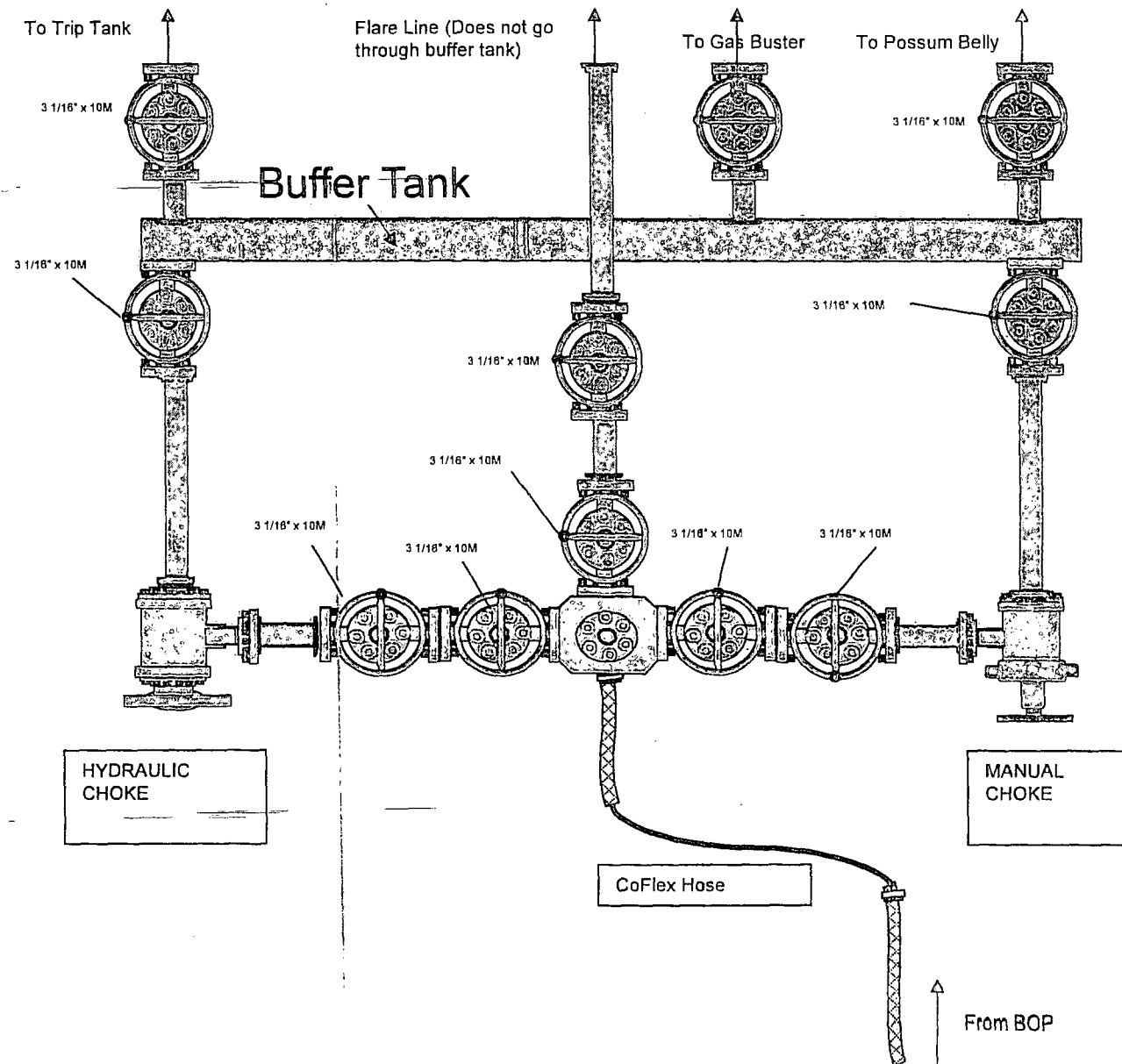


Permian Basin
MBS



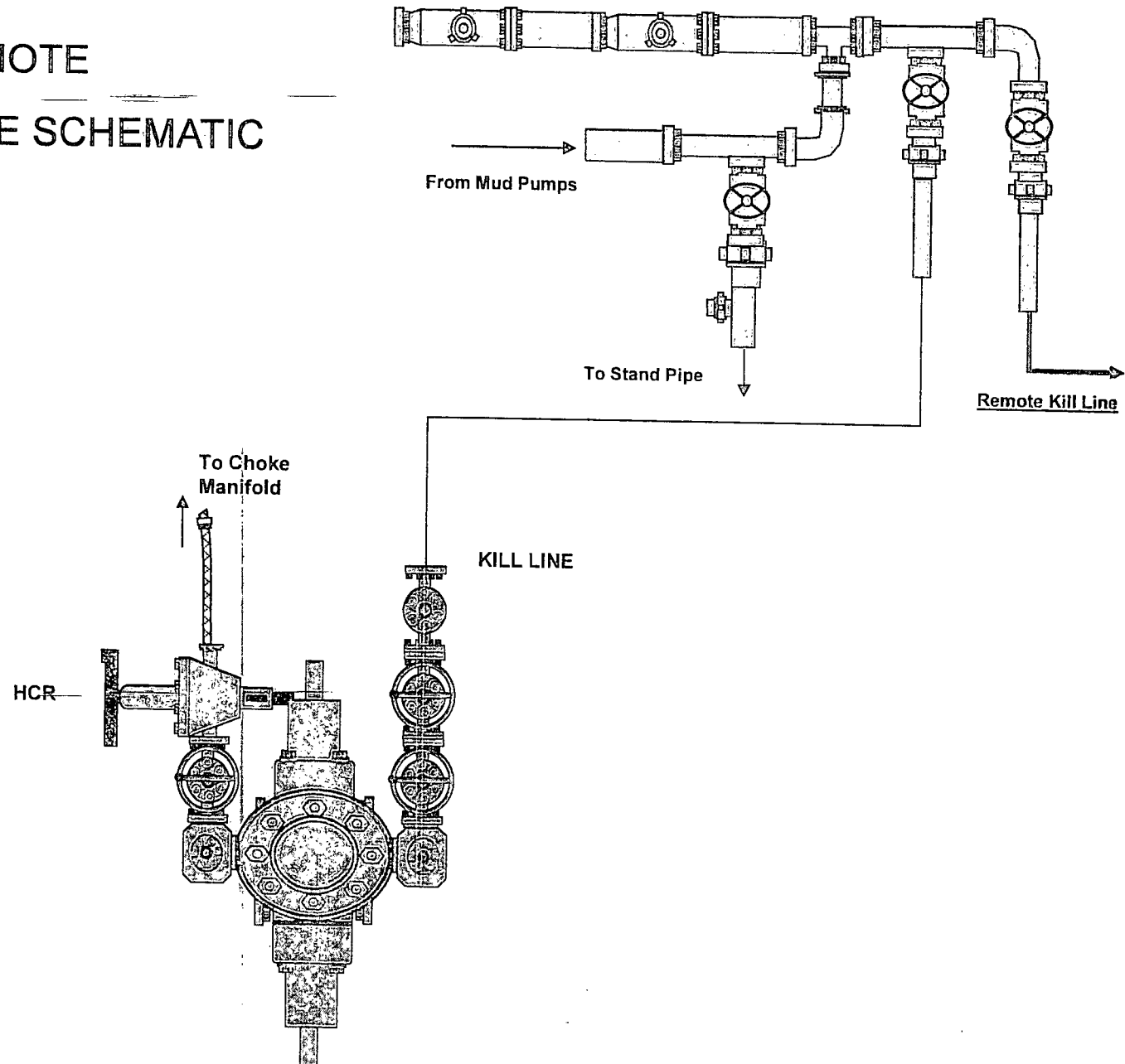
Name: Jeanette	Date: 1-31-13	Working Pressure: #	21073221
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FLEX3 STD CHOKE MANIFOLD (COMPREHENSIVE)

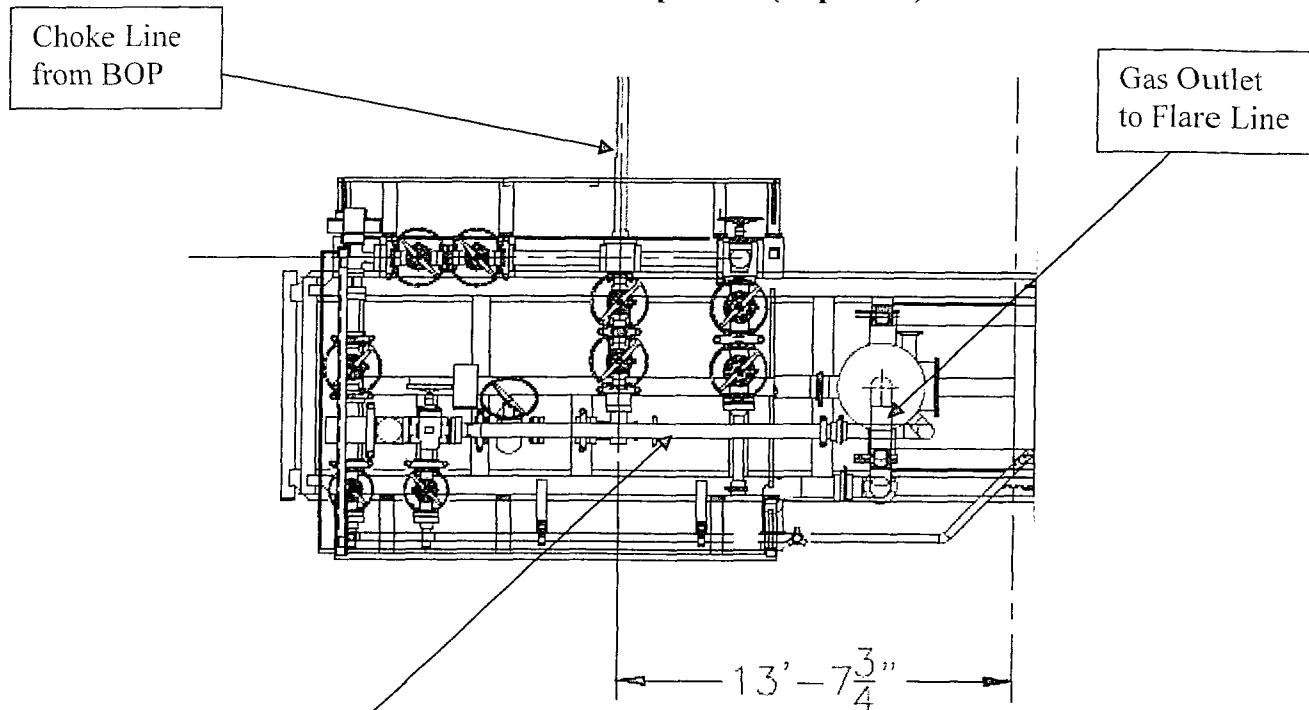


CM-1

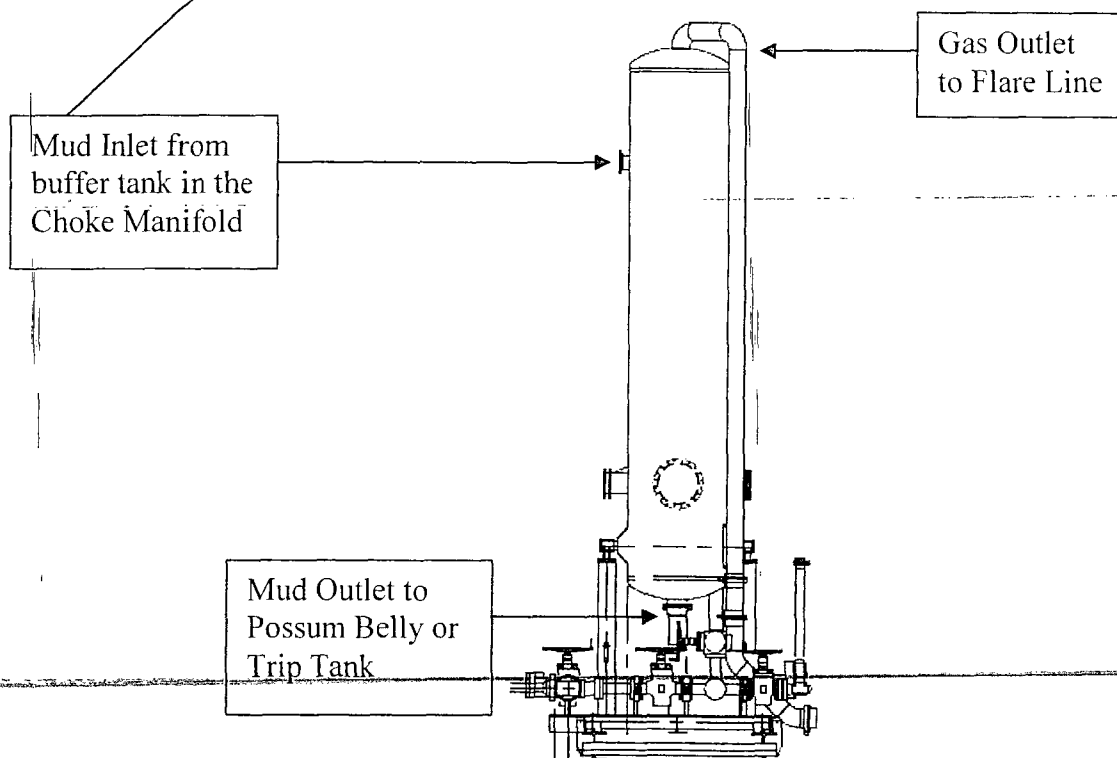
10M REMOTE KILL LINE SCHEMATIC



Choke Manifold – Gas Separator (Top View)

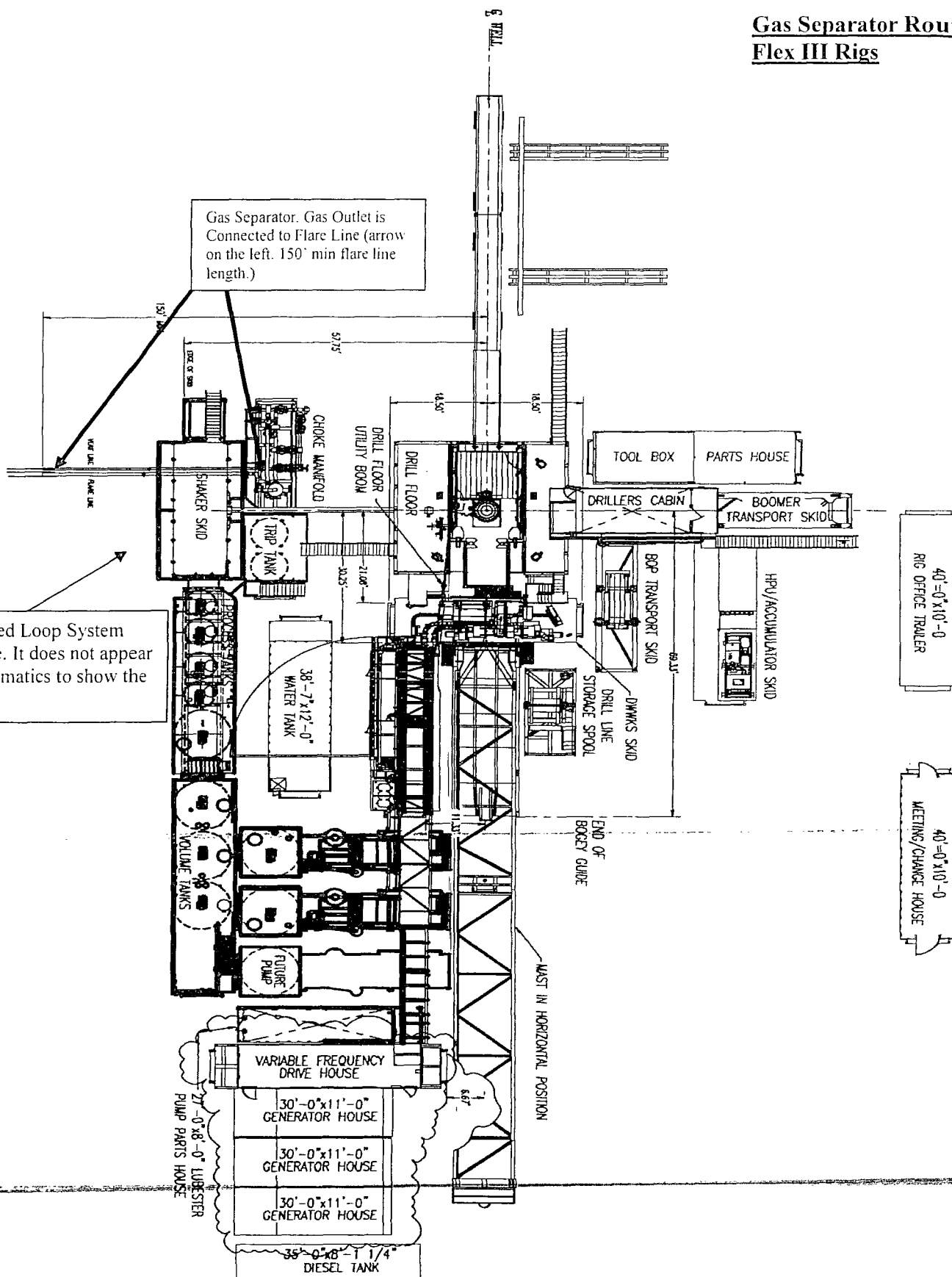


Choke Manifold – Gas Separator (Side View)

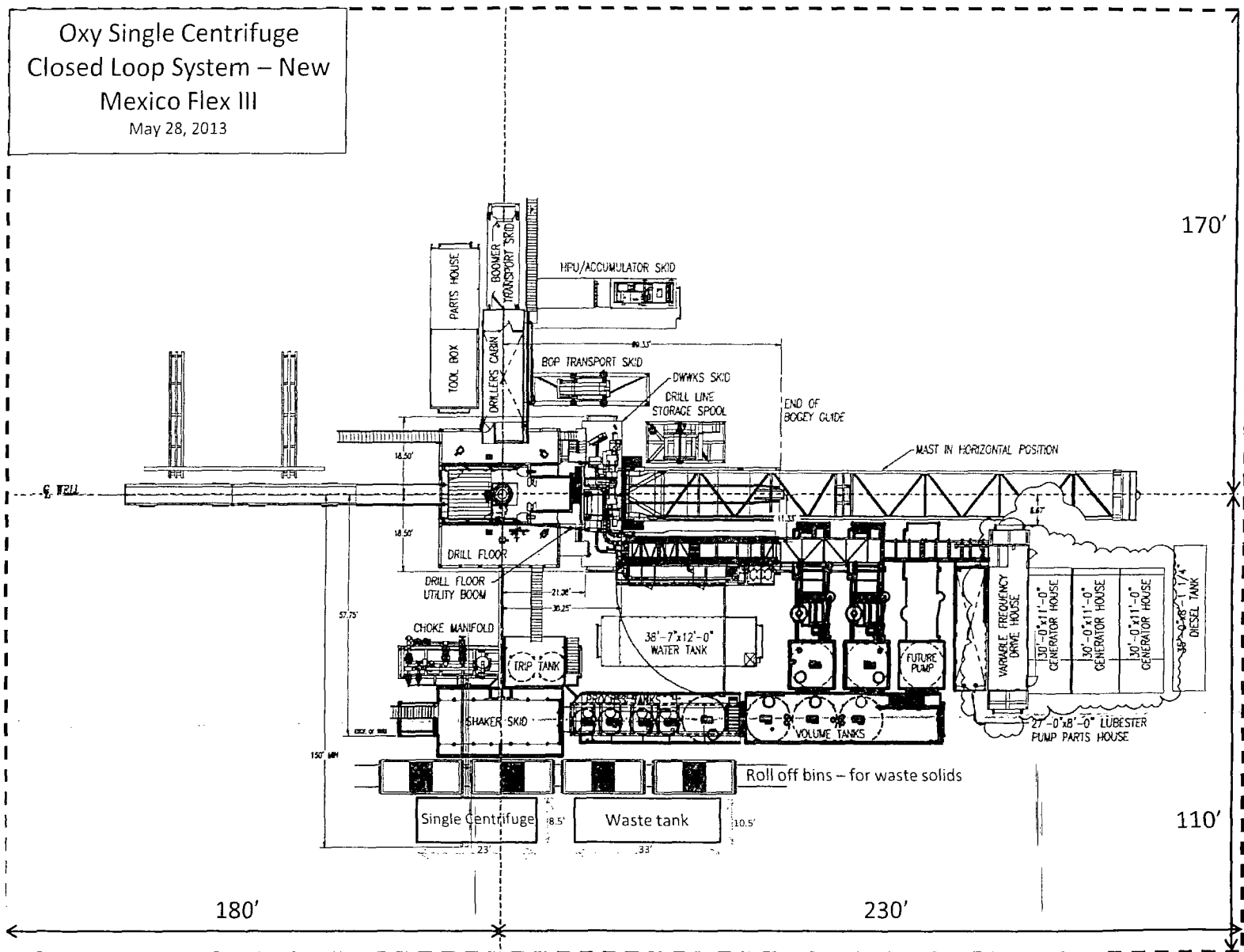


Gas Separator Routing

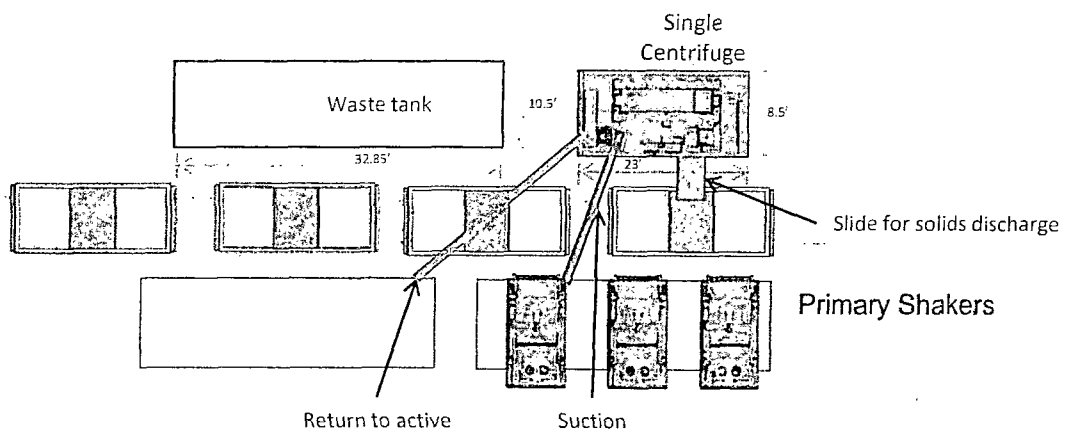
Flex III Rigs



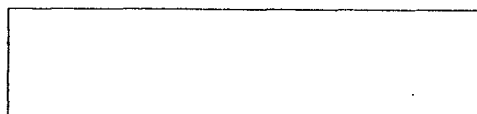
Oxy Single Centrifuge
Closed Loop System – New
Mexico Flex III
May 28, 2013



Oxy



Well Head



Oxy Single Centrifuge
Closed Loop System – New
Mexico Flex III
May 28, 2013