

Design Plan, Operating Plan and Maintenance Plan, and Closure Plan for the OCD form C-144

North Lea 4 Fed Com #2H

**Design Plan:**

Fluid and cuttings coming from drilling operations will pass over the shale shaker with the cuttings going to the haul off bin and the cleaned fluid returning to the working steel pits.

**Equipment Includes:**

- 1-670bbl steel working pit
- 2-100bbl steel working suction pits
- 2-500bbl steel tanks
- 2-20yd<sup>3</sup> steel haul off bins
- 2-pumps (HHF-1600)
- 2-Shale shakers
- 1-Centrifuge
- 1-Desilter/Desander

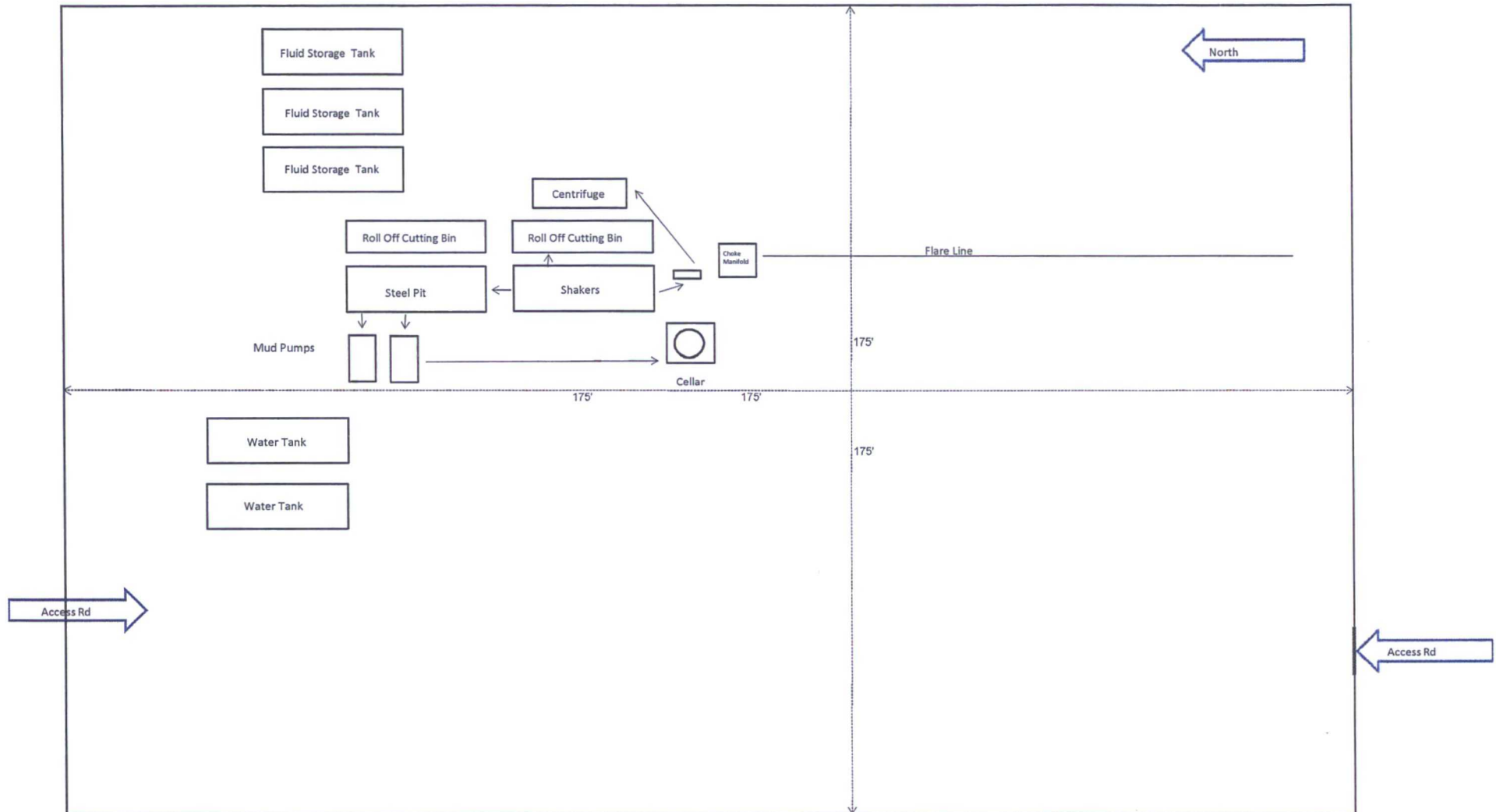
**Operating and Maintenance Plan:**

Inspection to occur every tour for proper operation of system and individual components. If any problems are found they will be repaired and/or corrected immediately.

**Closure Plan:**

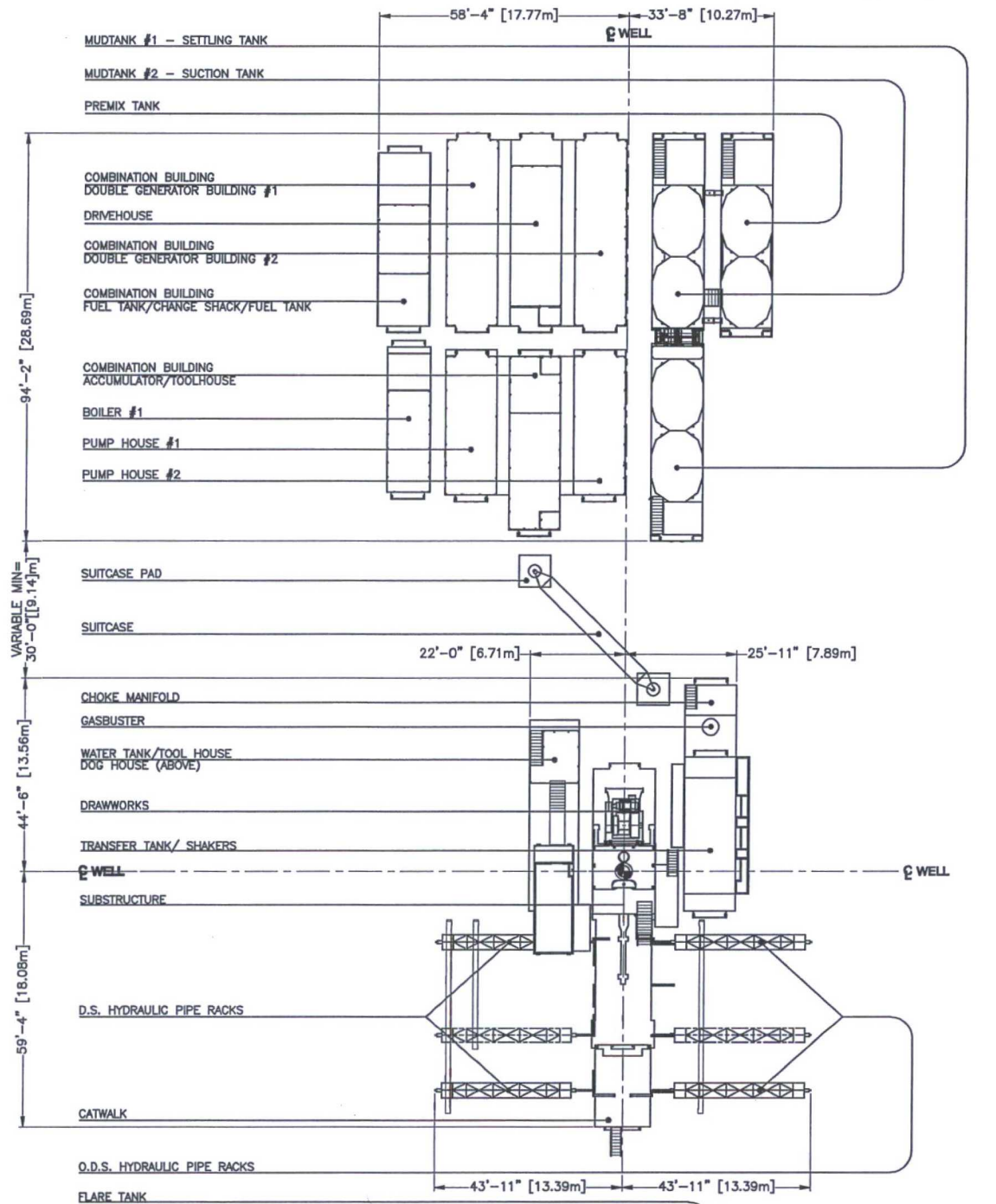
All haul off bins containing cuttings will be removed from location and hauled to Controlled Recovery, Inc. (NM-01-0006) disposal site located near mile marker 66 on Highway 62/180.

# Closed Loop Diagram



# RIG LAYOUT

# RIG 827SSE



MINIMUM LOCATION SIZE	
FROM HOLE CENTER	
TO CROWN END	180'-6" (55m)
TO BACK OF RIG	178'-0" (54m)
TO DOG HOUSE SIDE	98'-6" (30m)
TO SUMP SIDE	65'-6" (20m)

11 O'CLOCK  
164'-0" (50m)  
FROM  
WELL CENTER

DATE: FEBRUARY 5, 2009  
DWG NO.: 851-825-12  
APPROVED BY ENGINEERING

0'-0" 16'-6" 33'-0" 49'-6"  
(0m) (5m) (10m) (15m)



## PRECISION DRILLING

CALGARY, ALBERTA, CANADA

