

PDC Energy, Inc.  
1775 Sherman Street, Suite 3000  
Denver, CO 80203

Attachment for Form 42 Associated with COGCC Inspection #668300296  
McKenney 6-43  
Section 6, Township 3N, Range 64W, Qtr Qtr NESE

Dear COGCC,

As outlined in the COGCC inspection completed at the McKenney 6-3, PDC Energy, Inc. was instructed to install a NFPA label on the separator at this location. However, PDC did install placards on the separator at this location as the operating capacity for this separator is approximately 5.1 barrels (215.9 gallons). This operating volume is less than the 10 barrel volume that is outlined in COGCC Rule 210.d(1). PDC has attached a specification sheet for this separator that shows its total operating capacity.

# Equipment Specification Sheet

**Equipment Part Number:** L10-0007-000  
**Equipment Description:** SEP VHLP 30 X 10' X125#

## Vessel Specifications:

All vessels shall be constructed in accordance with ASME Section VIII Division I  
 Code Date: 2010 Edition Addenda: 2011

Vessel #1:		LP Vessel	
Shell:			
Outside Dia:	30"	Length (S/S):	10'
Material:	SA36	Thickness:	1/4"
Head:			
Outside Dia:	30"	Type:	2:1 Elliptical
Material:	SA516 GR70	Thickness:	3/8"
MAWP:	125 psi	Temp:	650 °F
MDMT:	-20°F	Pressure:	125 psi
Designed Operating Conditions:			
Liquid Volume:			
Liquid:	215.9 gal	Level:	23.4"
Water Box:	11.5 gal		
Oil Box:	12.3 gal		
Flow Rates:			
Gas Flow Rate:	3.3 mmcf/d		
Liquid Flow Rate	2300 b/d		
Instrumentation:			
Level Control (LP Vessel)		Wellmark ST4UP	
Discharge Valve (LP Vessel)		Kimray 212	
PRV (Size, Pressure, Orifice)		2 X 2 125 psi F orifice	
Rupture Disc (Size and Pressure)		None	
Coil (Length)		2-3/8" OD; 1 runs/unit; 73'-6" lft/run;	
Firetube (Size and Length)		8-5/8" OD, 19'-4" lft (inside vessel)	
Burner (Size)		500,000 BTU	
Hi/Lo Controller		Fisher 4660-XF	
Anode (Size and Material)		Mag Alloy, 1-5/16" x 24" (Qty 2)	

Vessel #2:		HP Vessel	
Shell:			
Outside Dia:	16"	Length (S/S):	5'-6"
Material:	SA106B	Thickness:	3/8"
Head:			
Outside Dia:	16"	Type:	2:1 Elliptical
Material:	SA516 GR70	Thickness:	3/8"
MAWP:	500 psi	Temp:	350 °F
MDMT:	-20 °F	Pressure:	500 psi
Designed Operating Conditions:			
Liquid Volume:			
Liquid:	12.7 gal	Level:	13.5"
Gas Flow Rate:	1.6 mmcf/d		
Liquid Flow Rate	280 b/d		
Instrumentation:			
Level Control (HP Vessel)	Wellmark ST4UP		
Hi/Lo Valve	Kimray 2400 SMA		
Discharge Valve (HP Vessel)	Kimray 2200 SMA		
PRV (Size, Pressure, Orifice)	1 X 1 500 psi D orifice		
Rupture Disc (Size and Pressure)	1" 550 psi		

## Documentation:

Interface Control Drawing (ICD): L10-0007-000 ICD  
 Process and Instrumentation Diagram (P&ID): L10-0007-000 P&ID