

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-06-049-18W5 **Date:** 2013-04-04 **SAP Equipment ID** 66129837

VESSEL STATIC DATA

Plant:	MINEHEAD	OP Unit:		System:	
Prov. Insp . #:	0561919	CRN:	T6804.2	Equip Tag#:	66129837
Equipment Description:	FLARE KNOCKOUT			Serial #:	06-2653-0001
Manufacturer:	Pyramid Corporation			Vessel Class:	vessel
Internal Access:	Yes	Description:		Year Built:	2006
MAWP:	103 kpa	At Temp	38 C	MDMT:	-20 C
Code:		RT:	RT2	PWHT:	No
Diameter:	914 mm	Length:	3048 mm	(T/T):	mm
		OAL:	mm	Orientation:	Horizontal
SHELL	Mat'l: Unknown	Thickness:	0 mm	Corr Allowance:	3 mm
HEAD	Mat'l: Unknown	Thickness:	0 mm	Corr Allowance:	3 mm
Nozzle	Mat'l:	Thickness:		Corr Allowance:	
Internal Coating:	No	Internal Clad:	No	Capacity:	m3
Manway:	Yes	Inspection Port:	Yes	Skirt	Legs Saddle X
Nozzle Rating:	lb ANSI	Painted:	Yes	Insulated:	No

PROCESS DATA

Production Description:	Sweet Yes Sour:
Operating Pressure	kpa
Operating Temp:	C

PSV STATIC DATA

Tag #	Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial (SCFM)	Manufacturer	Model	Last Service	Service Company
			Inlet	Outlet						
NO PSV	ATM VESSEL		0.00	0.00	0					

INSPECTION SUMMARY

FIT FOR SERVICE

RECOMMENDATIONS


NONCONFORMANCES/INSPECTION DEFICIENCIES

INSPECTION PLANNING

Inspection Strategy		Availability		Inspection Interval	
Inspection Date	2013/04/04	Date of Last Inspect		Date of Next Insp	

REPORT CERTIFICATION

The SignatureS below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

Inspected by	Roger Dlugosz		Cert #	000566	Date	2013/04/04
Reviewed and Approved by					Date	
Criticality Assessment Rerun			Inspection Planning Rerun			
Assessed Next Inspection Date						

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept			FLARE KNOCK OUT
V2	General Corrosion	Accept			VESSEL MOSTLY INSULATED, PORTION NON-INSULATED HAS NO CORROSION
V3	General Leaks	Accept			NO LEAKS/WEEPS
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
V7	Heads	N/A			INSULATED OVER
V8	Guy Wires	N/A			
V9	Electrical Ground	N/A			
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			NO DAMAGE WHERE PAINT IS VISIBLE
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Accept			GOOD WORKING ORDER
V14	Shell	Accept			NO DAMAGE
V15	Jacket	Accept			GOOD CONDITION
V21	Support Other (Please explain)	N/A			
V22	Foundation	N/A			
V23	Anchor Bolts	Accept			SECURE VESSEL TO SKID
V24	Saddle/Skirt	Accept			NO DAMAGE
V25	Davit	Accept			GOOD CONDITION, NO DAMAGE
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Accept			THREADED CONNECTIONS
V32	Small Branches	Accept			THREADED CONNECTIONS
V33	Nozzles	Accept			FLANGED CONNCTIONS, FULLY ENGAGED, NO DAMAGE
V34	Manways	Accept			NO DAMAGE, CHECK SEAL
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			
V37	Bolting	Accept			NO SHORT BOLTING
V38	Flanges	Accept			NO DAMAGE
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	Concern			VERY SLIGHT BIT OF MOISTURE ON INSULATION WHEN HEADS EXPOSED AND BOTTOM OF VESSEL AT MANWAY HAS FROZEN INSULATION
V42	Damage	Concern			MANWAY NOT PROPERLY SEALED
V43	Penetrations	Accept			LIFTING LUGS
V44	Insulation Jacket	Accept			NO DAMAGE
V45	Banding	Accept			NO DAMAGE
V46	Seals/Joints	Concern			CHECK MANWAY SEAL/INSULATION ALLOWING MOISTURE IN
V51	Relief Devices Other (Please explain)	N/A			NO PSV, ATM VESSEL
V52	Corrosion	N/A			
V53	Leaks	N/A			

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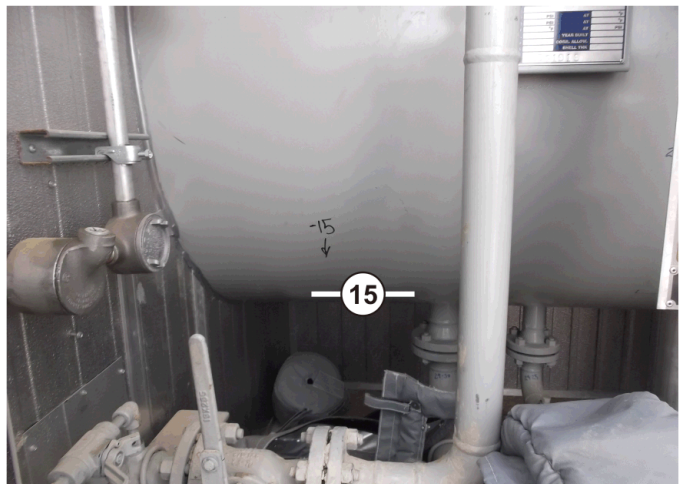
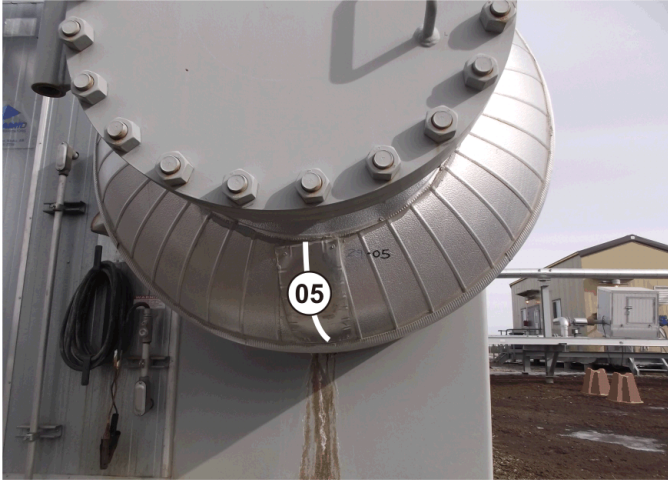
V54	Restricted Inlet/Outlet	N/A			
V55	Manual Operation Lever	N/A			

DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

DETAILED INSPECTION UT THICKNESS

CML	Nom. Thickness	CURRENT READINGS	short term corr rate	long term corr rate	remaining half life	Survey Date	Comments
05 (Head)	7.94	9.42	0.0000	0.0000	99.0	2013/04/04	
10 (Shell)	9.53	9.58	0.0000	0.0000	99.0	2013/04/04	
15 (Shell)	9.53	9.58	0.0000	0.0000	99.0	2013/04/04	
20 (Head)	7.94	9.22	0.0000	0.0000	99.0	2013/04/04	
25 (90L 2 80)	5.54	5.23	0.0016	0.0016	63.4	2013/04/04	
30 (90L 3 80)	7.62	7.47	0.0008	0.0008	180.9	2013/04/04	



OWNER: HUSKY
EQUIPMENT NAME: FLARE KNOCK OUT
REGISTRATION # 0561919
EQUIPMENT # 66129837

SERIAL # 06-2653-0001
NB#
OWNER ID

NOTES



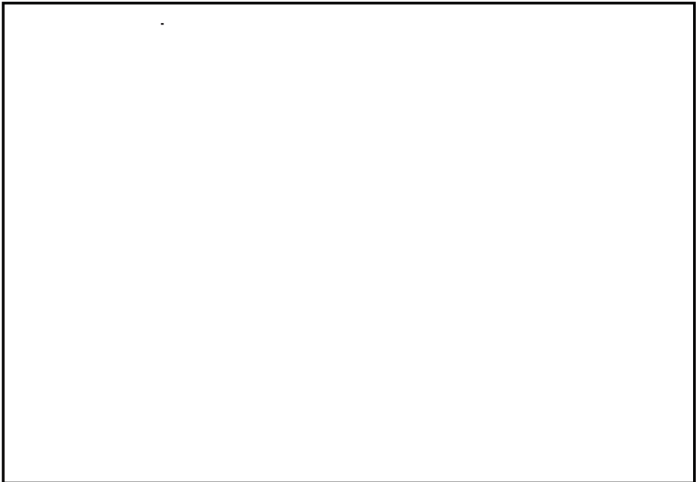
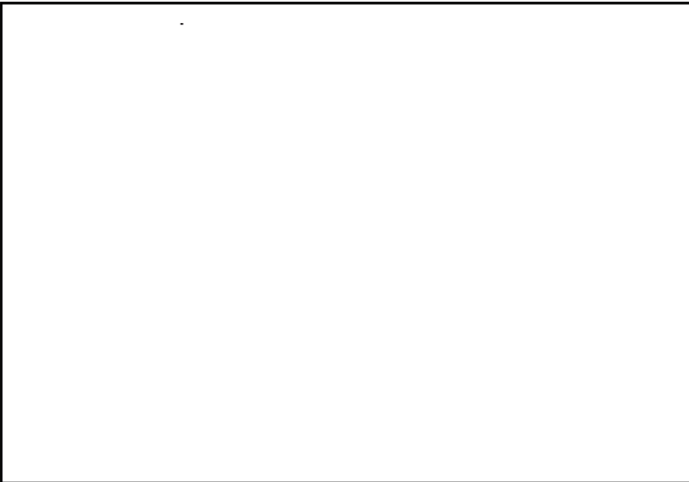
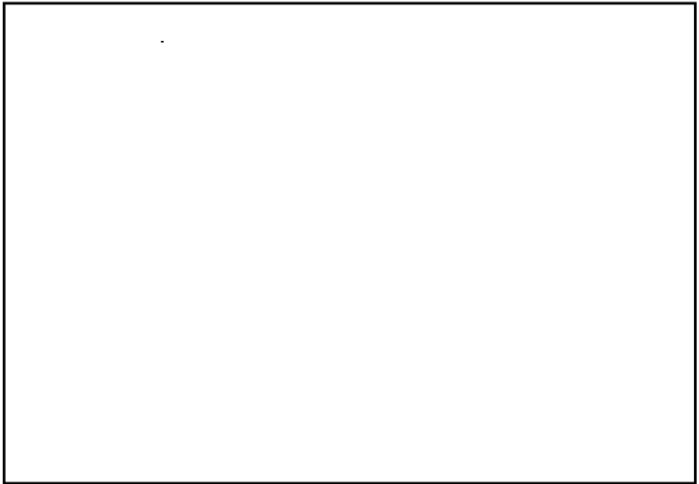
NAMEPLATE



OVERALL



OVERALL



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OWNER ID
ONCOR ID

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