

Form : QR-17.11 Rev. : 2 , Date : 10/06 Page 1 of 4

FACILITY INSTA  Installation  Relocation		ADINESS CHEC  X Start-up Rea  Return from	adiness		Shop Date	ORT #	n/a
FACILITY INFORMATIO	BC-007			LSD:	-	07-05	-063- <b>06W</b> 6M
FACILITY.	Gas Plant	Oil Battery	Compress		tion	x s	atellite X Sweet
Facility Description	Wellhead C		ngle Weil Ba				r Compressor Sour
Business Unit	FH-BC	Superintende		St Mar			preman Dave McAmmond
	X New	In-Service	Acquired	- Pro	evious	 Owner	
Facility Status		m Other Site - Name &		55.1.1	CVICUS		
			_			nhr	Yes X No
General Age of Facil	ity / Equipment			er Acc			
Facility Flow Rate	Design	0 - 280 deks		al Ope			eks - estimated ) kpa - estimated
Facility Max Pressure Facility Max Temp	e Design Design	9930 kpa 93 C		al Ope al Ope	-		- estimated
Facility Min Temp	Design	-29 C	_	al Ope	_		-10 C (during start-up) - estimated
EQUIPMENT INFORMA							
Separator	1 Glycoi (	Contactor		d Heat	er		Air Receiver
Pulsation Dampner	Scrubbe	er <u>1</u> leat Exchanger	Boil	er age Ta	ınk	1	Pop Tank Glycol Flash Drum
Treater Free Water Knockout		led Exchanger		ety Valv		2	Flare Knockout 1
INSPECTION CHECK L	IST (To be comple	ted for all new install	ations, Star	t-up, R	elocat	ion & i	dle equip returned to service)
Task	;	Sub Task	Shop Yes	Accept No	Field / Yes	Accept No	
Readiness CheckList	Punch-out checklist				✓		
(Not req'd for relocation in same operating area)	Category A items re		<del>- \</del>		<b>√</b>		
Design Check	Relocation - no chai				<b>√</b>		
(location and type	Equipment Layout n	natches Plot Plan			4		
verification) For relocation verify no	Pressure Equipmen Pressure Relief Dev				~	×	The FGS PSV is set at 285psi the P&ID calls for 150 psi – See
changes have been made	Piping & Valves mat	tch P & ID			√		NCR#111117CWb
I de Oberto	Instrumentation mat	tches P & ID nges made, all items in SI	-INA /////		V/////	111111	n/a
Inventory Check (equipment is entered in	Pressure Equipmen		-101 V////		1111111	X	To be done after start up
SEIM - identify any corrections or missing	Safety Relief Device	es				×	To be done after start up
items on page 3 & 4	Storage Tanks Press Equip reconci	iled to Jurisdiction list				X	To be done after start up  To be done after start up
For relocation or idle return to service check	Inspection intervals	reviewed and accepted	V////		4		To be done often start up
SEIM against equipment,  Documentation	Jurisdiction notified  Relocation - all do	of new equipment ocs transferred to new s	site /////			×	To be done after start up  To be uploaded into HDMS within 6
	Shop Vendor QC Da		\/////			×	months of startup
For relocation verify all docs are transferred to	Field Construction C		- <i>\\\\\\\</i>			×	
new site	P & ID , Piping Line		V////		√		Not a common practice - HDMS
	Regulatory Inspection	Data Sheets on site on Certificate received			-	×	Not a common practice  Not a common practice
2	Operating Procedure	es on site	\/////		<b>√</b>		Not a common practice – on HDMS
Commission	PSV isolation valve Blinds and blanks re						
Commissioning	Operating gaskets in		<u> </u>		√ √		
For relocations address items with * only	Start-up strainers ar						n/a
licitis with only	Instrumentation cali	& purging complete bration complete	<del>- \</del>		4		
	* PSVs serviced per	r Interval & set press corre	ect			×	The FGS PSV is set at 285psi the P&ID calls for 150 psi – See NCR#111117CWb
	* PSV & other CSO					x	Six valves identified for car seals had no car seal tags on them – see NCR#111117CWa
1	* Shutdowns & Cont * Safety Equipment	trol Logic tested & OK			<b>√</b>		To be verified
Integrity Readiness	Inspections per page	e 2 complete & accepted			V		
(See page 2 for details)	Inspection history re PSV isolation valve	eviewed & RBMI intervals :	set /////		77777	X	To be done after entry into SEIM
	Corrosion Inhibitors		<del>\</del>				THE
	Cathodic Protection				4		To be unified
Training &	Low temp start-up p PEIM program orien				~	×	To be verified  Never has been formally done
Awareness	NCR process training	g complete			4	,,,,,,,	Foreman only - not a formal process
(Not req'd for relocation in same operating area)	PSV isolation valve Low temp start-up tr	procedure training comple aining complete	ete (/////				To be verified
Completed Reports to I			pector		,		
Upstream Production Facilities		set.integrity@huskyenergy.ca		x (403) 7	50-5004		Ph (403) 750-4929



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## FACILITY INSTALLATION / READINESS CHECKLIST

REPORT#

111117CWa

Task	HECK LIST (Not required for relocation in Sub Task	Freia A	ccept	Comments
		YES	NO	21.0
Equipment Nameplate	Verified to Data Sheet		×	No Data sheets available
(verify in place and clearly	Prov. Reg Number assigned	<b>√</b>		
legible)	Correct CRN for Prov. of install	<b>√</b>		
Identify any missing or	Serial Number	✓		
incorrect SEIM data on	Design Pressure	<b>√</b>		
page 3 or 4	Max & Min Design Temp	- ✓		
	Manufacturer's Name	✓		
	Year Built	✓		
Concrete Foundation	Deterioration Condition	<i>\\\\\\\\</i>		n/a
	Anchor Bolts Sound	V//////		n/a
Steel Supports	Mechanical / Weld Condition	✓		117
Coo. Cappara	Paint Condition	<b>*</b>		
	Fireproofing condition	///////		
	Skirt Opening for Inspection	V		
Grounding Connections	In Place , Secure & Condition	<b>√</b>		
Vessel & Nozzles	UT Thickness Survey complete	7//////	//////	Not done until first inspection after startur
Internal & External	Pitting / Corrosion	V		
Surface	Scaling	- V		19
Carrace	Blisters & Bulges	<b>√</b>		
	Hot Spots	V		
	Mechanical Damage	V		
	Paint	1		-
	Insulation	1	-	
Protection and	UT Thickness Survey complete	1111111	011111	Not done until first inspection after startu
Piping	Internal / External Corrosion	1111111	MILLIA	Not done until mat mapecatori arter starte
		1	-	<del></del>
	Supports	-	×	Was 80% complete at the T.O.I.
	Insulation Poting	_	X	One bent gasket see IDR#111117CWc
	Gaskets (Type, Rating)	<b>√</b>	^	One bent gasket see IDR#171117CVVC
	Bolting (Short, grade, Size)	- Y	×	O IDD#444447C\N/4
	Leaks Present		^	One process leak - see IDR#111117CWa
Ladders & Platforms	Mechanical Condition	<b>√</b>	_	
	Paint / Corrosion Condition	<b>√</b>	_	
	Attachments	V	-	
Pressure Relief Devices	Seals in Place	<b>∀</b>		
	installed in Correct Location	✓		
	Installed in Upright Position	✓		
	PSVs serviced per Interval & set press correct		×	The FGS PSV is set at 285psi the P&ID calls for 150 psi – See NCR#111117CWb
	Isolation Valves Carsealed Open	1111111		n/a
	No pipe stresses on inlet or outlet	1	012/32/07/35	
	No evidence of leakage	<b>√</b>		
Instrumentation	Installed in Correct Location	<b>√</b>		
	Calibration Verified	<b>√</b>		
	No evidence of leakage	<b>√</b>		



## FACILITY INSTALLATION / READINESS CHECKLIST

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111117CWa

REPORT #

### INSPECTION SUMMARY:

The scope of inspection included a walk through of the facility with a special focus on two inspection tasks. One function being a check for all mechanical components of the facility; ensuring that all items were installed and installed correctly.

The pipe run between the wellhead and the separator building, and the separator building and the water tank, flare knockout, and pipeline was checked for adequate and secure support, bolting assemblies, gaskets, paint, and any and all piping attachments such as pressure indicators, valves, and plugs. The lines were also visually assessed for slope (when required). I also indicated where the cathodic protection insulating kits were installed and if they were installed in the correct location. No issues were found. At the time of inspection I found one process leak (IDR#111117CWa), an incorrectly installed flex hose on the inlet to the water tank (IDR#111117BCWb), and one bent gasket at the pig receiver (IDR#111117CWc).

I visually assessed the mechanical condition of all the pressure equipment, pressure safety valves, tanks, and pig receiver. All equipment met regulatory inspection requirements in that they had provincial inspection numbers assigned, had correct Canadian registration numbers for the province of install, and were built to the required codes. All equipment was electrically grounded, bolted down securely, and showed no signs of any damage. The pressure equipment was adequately protected with pressure safety valves set at the MAWP of the vessels. Their service date was in 2011, their tamper seals were intact, they showed adequate CRN registration for the province of install, showed appropriate code markings, they were installed correctly with no intervening valves between the pressure equipment and the PSV or the PSV and its discharge location. The water storage tank has been in service before as it was moved from the Sinclair field. I did not do a visual internal inspection as the site was in service at the time of inspection. The insulation was in fair to poor condition, and the tank was set on wooden planks and appeared to be level. The secondary containment walls were visually checked for holes or installation problems with no items of concern to highlight. The floor of the secondary containment was filled with two inches of sand; therefore an assessment of the liner at the bottom of the containment was impossible. I recommend that the containment be filled with water to check for its integrity.

The second inspection task included a walk down of the facility comparing it to the P&ID's. Please note that at the time of inspection there was no P&ID's made available for this site so I used the P&ID's (IFC 10.12.10) for the 9-32-62-6W6M site as this 7-5 site was a copy of the 9-32 site. Any discrepancies between the P&ID's and the equipment on site were noted on its respective P&ID with only thwo items of note.

- There were six valves identified on the P&ID's as requiring car seals. At the time of inspection there
  were no car seal valves installed. To highlight this concern I wrote NCR#1111117CWa.
- PSV 151 off of the FGS is set to 1965 Kpa (285 psi) and on the P&ID it indicates that this should be set at 1024 Kpa (150 psi). Being that the MAWP of the fuel gas scrubber is 285 the pressure equipment the PSV is protecting is protected. It was determined that PRV 151, 152, 153, 154, 155, and 156 has a MAWP of 250 psi. This PSV is not set low enough to protect these PRV's and therefore poses a safety risk. To highlight this concern I wrote NCR#111117CWb. Another item of note is that the P&ID's that were provided to the business unit specifically for this site noted that the PSV should be set at 1965 kPa (285 psi). The P&ID needs to be changed to capture the lower needed PSV set pressure.

With the exception of the Level 0 NCR identified regarding the set pressure of the fuel gas scrubber PSV, the IDR's identified and the Level 1 NCR's identified are relatively simple to address. I recommend that the Level 0 NCR be addressed immediately and the other NCR and IDR's identified be addressed as per the NCR / IDR program.

	DEFICI	ENCIES IDENTIFIED					
	DEFICIENCY		Ref. IDR/NCR				
1. Level 1 - regarding the	six missing car seal va	lve's	NCR#111117CWa				
<ol><li>Level 0 - regarding the high to protect the PRV</li></ol>	NCR#111117CWb						
3. Level 3 - regarding a pr	Level 3 - regarding a process leak						
4. Level 3 - regarding the	compromised flex hose	found at the water tank	IDR#111117CWb				
5. Level 3 - regarding the	bent gasket found at th	e pig receiver	IDR#111117CWc				
SIGN-OFF							
Inspector/Construction Rep	n/a	Operations Rep	Dave McAmmond				
Signature	n/a	Signature					
Agency	n/a	Date					
Date	n/a	Lead Inspector	Christy Walsh Cert# 000386				
		Signature	1. 101/02/				
		Date	November 21, 2011				



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**RT #** 111117CWa

REPORT #

## **FACILITY INSTALLATION / READINESS CHECKLIST**

Pressure Equipment Data To be completed only if equipment not identified in SEIM or if SEIM data is incorrect

	Item # 1	Item # 2	Item # 3	Item # 4	Item # 5	Item # 6	Item # 7	Item # 8	Item # 9
Tag#									
Description	Separator	Fuel Gas Scrubber	Flare Knockout				7.00		
SAP#									
Provincial Reg #	602338	602337	605861						
Serial #	5B1009-20	5B1009-21	15748						
CRN	V3914.213	V3913.213	R6405.21						
Manufacturer	5 Blue Process Eq	5 Blue Process Eq	Bilton						
Year Built	2011	2011	2011						
Shell MAWP	1440 Psi	285 psi	50 psi						
Shell Max Temp	100 F	100 F	38 C						
Shell Min Temp	-20F	-20F	-29 C						
Tube MAWP								J	
Tube Max Temp									
Tube Min Temp									
Shell Sweet or Sour									
Tube Sweet or Sour									
Date of Last Inspect									
Reg'd Interval	5 years	5 Years	5 Years						

Storage Tank Data

	Tank # 1	Tank # 2	Tank # 3	Tank # 4	Tank # 5	Tank # 6	Tank # 7	Tank # 8	Tank # 9
Tag #									
<u>SAP #</u>	66004343								
Manufacturer	GLM Tanks			io					
Serial #	D-96-222-10			8					
Volume	400 BBL			5					
Internal coating	Yes					,			
Insulation	Yes				ar sa				
Firetube	No								
Date of Last Service	Nov 25, 2010	75							
Reg'd Interval	5 yrs								

NOTE: items in italics to be completed by Lead Inspector



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REPORT # INSPECTOR

111117CWa

DATE

Christy Walsh Nov 21, 2011

## FACILITY INSTALLATION / READINESS & REGULATORY ASSESSMENT INSPECTION CHECKLIST

Safety Valve Data

	PSV # 1	PSV # 2	PSV # 3	PSV # 4	PSV # 5	PSV # 6	PSV # 7	PSV # 8	PSV # 9
Tag#	PSV 100	PSV 150							
SAP#									
Manufacturer	Farris	Farris						20	
Serial #	58426-3-KE	581029-2-KE							
Model#	27EA45-M20	27EA34-M20							
CRN	OG11969.5C	OGxxxx.5C							
Set Pressure	9930 Kpag	285 Psi							
Capacity	255 M3/MIN	1177 SCFM							
Orifice Size	1.5 X 2	1 x 1.5							
Sweet or Sour	Sweet	Sweet							
Installed On	Feb 2011	March 2011							
Date of Last Service	new	new							
Reg'd Interval	5 yrs	5 yrs							

Equipment Protected (Identify equipment protected by Tag # , Provincial # or Serial #)

	Item # 1	Item # 2	Item # 3	Item # 4	Item # 5	Item # 6	Item # 7	Item # 8	Item # 9
PSV # 1	602338								
PSV#2 PSV#3	602337								
PSV # 3									
PSV#4									
PSV # 5									
PSV#6									
PSV # 7	i i								
PSV#6 PSV#7 PSV#8									

NOTE: items in italics to be completed by Lead Inspector

Husky	Energy				orm:QR-22.1 3,Date:01/07
NONCONFORMAN			NCR#		, = =====
MONOOM OMMAN	TOL ILLI OILI	Re	fer to Inspection Report #	- rn-	Wa
PRIORITY X Level (	0 – Serious/Code Resolve Im	mediately X	Internal (Husky)	Externa	al (Contractor)
·	1 - Major Resolve within 14 d		NCR Identified By		
	2 – Minor Resolve within 30 c	•	NCR to be Actioned By		
Level 3	3 (Shutdown) Resolve at ne	xt shutdown	NCR to be Resolved By		
LOCATION & EQUIPMEN	NT / PROCEDURE IDEN:	TIFICATION			
	H-BC-007 Faci		eld L	SD 07-05-0	063-06W6M
Equipment Description	Fuel Gas Scrubber PSV	Manufacturer	Farris	Husky ID #	Tag:PSV-150
Prov. Registration #	n/a	CRN		Serial #	581029-2-KE
DESCRIPTION OF NONC	ONFORMANCE (To be d	completed by persoi	identifying the NCR) Plea	se attach photos	when applicable
The set pressure of this PRV153, PRV154, PRV be set to 150psi (1034 k	/155, & PRV156 as the	y have a MAWI	of 250 psi. The P&IC	requires that	this PSV to
CAUSE OF NONCONFOR	RMANCE (To be complete	d by person identify	ing the NCR or person issui	ng the NCR)	
X Noncompliance with Husk Noncompliance with Husk Other			X Noncompliance with Co. B31.1 X B31.3 Sect V CSA B	Sect V	
PRELIMINARY REVIEW					
Prior To Issuing , Nonconfo  X Operations  NCR Issued By :	ermity Has Been Discussed Engineering Dale Martin	With   Maintenance	Contractor		zed Inspector mber 17, 2011
Chief Inspector - Level 0 & 3 Facility Lead Inspector - Level 1 & 2	Print		Signature		Date
RECOMMENDED ACTION	N (To be completed by perso	on assigned to actio	n the NCR)		
Describe actions required to n Remove the pressure sa	resolve the NCR :		eration Replace		n to Supplier
Christy Walsh		Clusto	Walsh	Novembe	er 17, 2011
Prepared by (Please		7.5	ignature		Date
APPROVAL OF RECOMN Required	IENDED ACTION				
X Dale Martin			10/	Nove	mber 17, 2011
the state of the s	ility Lead Inspector (Please Print)	- (31)	Signature	11000	Date Date
T			All I		
	er / Project Lead (Please Print) nond or Bert St. Martin		A Signature	Nove	Date mber 17, 2011
Operation	ns or Contractor (Please Print)		Signature		Date
Authoriz	zed Inspector (Please Print)		Signature		Date
DESCRIPTION OF RESOL	wetter de la company de la com	y person assigned			
Describe actions taken to reso	Ve the NCR :	×,			

Completed forms are to be e-mailed or faxed to : Christy Walsh	e-mail _christy.walsh@huskyenergy.com Fax # 780-513-5612
Issued NCRs have been provided to : Bert St.Martin: Dave McAmmo	ond: Beverly Wohlberg: Dale Martin; Henry Hollman, Jane Yan
NCR has been entered into database by :	Date:

# Husky Energy NONCONFORMANCE REPORT

Form : QR-22.1

Rev.: 3, Date: 01/07

NCR# 111117CWb

Refer to Inspection Report # FA - 110823CWa

Resolution Completed	Print Name	Signature	Date
Acceptable	Unacceptable	Co	rrective Action Required
entify if actions were acceptable	or if additional actions are required :		
Follow-up completed by (Pleas		Signature	Date
©	V2" republic (0.049" 0.7.) 21,3		
			$i \stackrel{\lambda_{i}}{\sim} i$
	(a) 145		100 - <b>3</b> 0
			V/C
12.40 12.40 12.40		*** In the second of the secon	Actual Control (1985)
TO WIND WIND WIND	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PSV s	et at 1965 Kpa, to set it at 1034 Kpa #111117CWb
JO 40 90		NCF	#11117CWb
	00 0		
A L MINING	1110 700 34		
		APP San Head	(李)
		/ 5.21	
2 1 1 0 W.J	1 7 3 4		
Fuel Ga			
2 9-2	( Q.Q. Q		
- CARAMAN O	@R	and the second	16.
- W C	H-191		*· ** **
	(P) (A)		
	(an tan-	Control of the contro	
			The state of the s



111117CWa NONCONFORMANCE REPORT NCR# Refer to Inspection Report # FA - 111117CWa **PRIORITY** Level 0 - Serious/Code Resolve Immediately Internal (Husky) External (Contractor) Level 1 - Major Resolve within 14 days NCR Identified By **Christy Walsh** Level 2 - Minor Resolve within 30 days NCR to be Actioned By **Dave McAmmond** Level 3 (Shutdown) Resolve at next shutdown NCR to be Resolved By **Dave McAmmond** LOCATION & EQUIPMENT / PROCEDURE IDENTIFICATION **Production District** FH-BC-007 **Facility** Kakwa Field LSD 07-05-063-06W6M **Equipment Description** Piping - Various Manufacturer Husky ID# Prov. Registration # Serial # DESCRIPTION OF NONCONFORMANCE (To be completed by person identifying the NCR) Please attach photos when applicable Six valves have been identified on P&ID as needing car seal tags to be installed in either the open or closed position. No car seal tags have been installed. CAUSE OF NONCONFORMANCE (To be completed by person identifying the NCR or person issuing the NCR) Noncompliance with Code, Act or Regulation X Noncompliance with Husky Integrity Program/Procedure Noncompliance with Husky Eng. Specs B31 1 B31.3 Sect VIII Sect I Other Sect V CSA B51 Z662 Other PRELIMINARY REVIEW (To be completed by Chief or Facility Inspector) Prior To Issuing , Nonconformity Has Been Discussed With X Operations Engineering Maintenance Contractor Authorized Inspector NCR Issued By: **Christy Walsh** November 17, 2011 Chief Inspector - Level 0 & 3 Date Facility Lead Inspector - Level 1 & 2 RECOMMENDED ACTION (To be completed by person assigned to action the NCR) X Use "As-Is" Repair Alteration Replace Return to Supplier Describe actions required to resolve the NCR One of the two following recommended actions are suggested for resolution Install the car seals tags as outlined in the P&ID or perform a multidisciplinary hazard assessment to assess the need for car sealed valves, document its findings and forward to the area inspector if the HAZOP should determine that car sealed valves are not necessary. Christy Walsh November 17, 2011 Prepared by (Please Print) APPROVAL OF RECOMMENDED ACTION Required Yes No Х Christy Walsh Wal November 17, 2011 Chief or Facility Lead Inspector (Please Print) Signature Tech Leader / Project Lead (Please Print) Date Dave McAmmond or Bert St. Martin ont November 17, 2011 Operations or Contractor (Please Print) Date Authorized Inspector (Please Print) Signature Date DESCRIPTION OF RESOLUTION (To be completed by person assigned to resolve the NCR) Describe actions taken to resolve the NCR:

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Form: QR-22.1

Rev.: 3, Date: 01/07

NCR#

110901CWb

Refer to Inspection Report # FA - 110823CWa

solution Completed	Print Name	Signature	Date	
Acceptable	Unacceptable	Correc	ctive Action Required	
antify if actions were accentable	e or if additional actions are required :			
entity if actions were acceptable	e or ir additional actions are required.			
ениту и асиона were ассертари	e or ir additional actions are required .			
ениу и асцопо were ассерваю	e or ir additionar actions are required .			
енину и асионъ were ассервари	e or ir additionar actions are required .			
енину и асионъ were ассервари	e of it additional actions are required .			











Form: QR-19.2 Rev.: 0, Date: 03/03

## **INSPECTION DEFICIENCY REPORT**

FACILITY: FH-BC-007 Kakwa	DATE:	November 1	7. 2011 <b>I</b>	REPORT #:	IDR	111117CWa
STATIC DATA						
Prov. Reg. # 602337	CRN: V3	914.213		Serial #	5B1009-2	0
	5-063-06W6M		t ID#: n/a			
		_qa.p	10 111 1110		X	Sweet
Equipment Description: Fitting	off of Separator	Service:	<b>Emulsion</b>			Sour
Manufacturer: 5Blue	Process Equipment			Year Built:	20	11
MAWP 1440 kPag / psi	@°C	/F MDMT:	-	°C/F C	apacity:	m3
IDENTIFIED DEFICENCIES				*		
Level 3 IDR: Faulty welding, piping joint make-up or flange connection (no immediate safety hazard – repor replace at next outage)			a	vidence of process		
RECOMMENDED ACTION						
			ORM ALTER			PLACE UNIT
INSPECTION PERFORMED BY						
QUALITY INSPECTOR	X LEAD INSPEC	CTOR	CONTRA	CTED INSPE	ECTOR	ľ
Christy Walsh		2 (1/00	06/_		Vovember	17, 2011
Print Name		Signature		_, _		Date
DEFICIENCY REPORT ISSUED 1	го	2000 T	V-			
Name	Position	1			Date	
	Area Foreman			lovember 1		
Gordon Frith	Maintenance Plann			lovember 1		
	WC Upstream Lead			lovember 1		
Jane Yan	Data Integrity Admi	inistrator		lovember 1	8, 2011	
RECOMMENDED ACTION COMP	PLETED					
Job File # Co	mments :					
Y						
Print Name		Sig	nature		e :=	Date



Form: QR-19.2 Rev.: 0, Date: 03/03

## **INSPECTION DEFICIENCY REPORT**

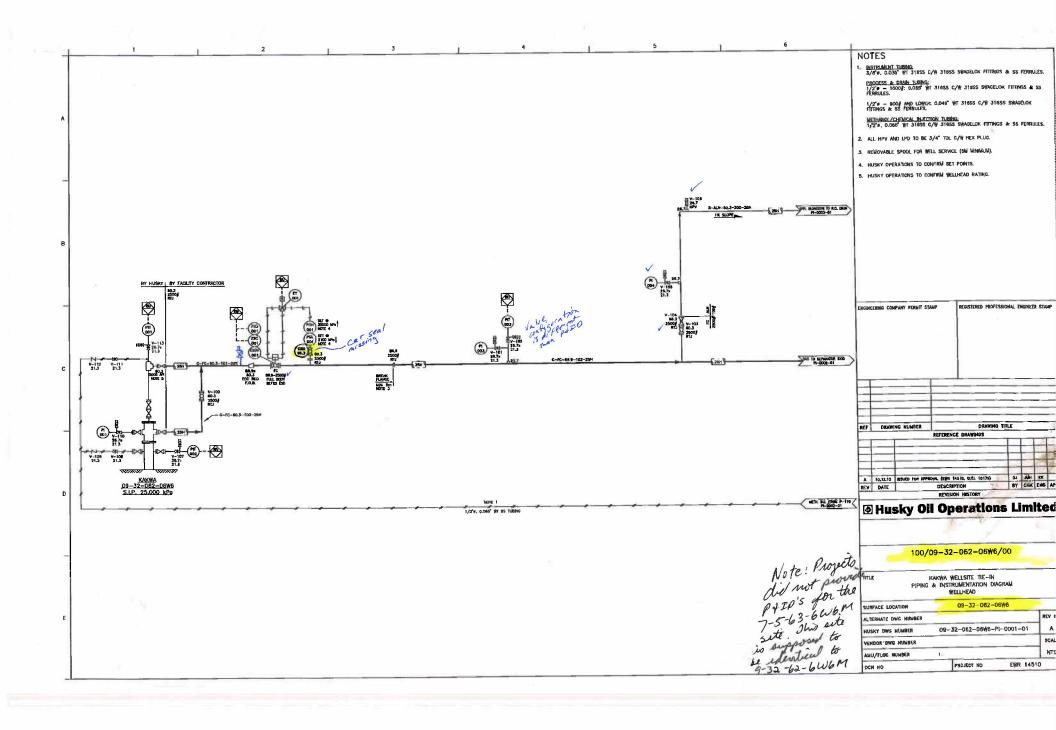
FACILITY: FH-BC-007 Kakwa	DATE: November 18, 201	1 REPORT #: IDR 111117CWb
STATIC DATA		
Prov. Reg. # n/a	CRN: n/a	Serial # D-96-222-10
Equipment Location(LSD): 07-05-063-06	6W6M Equipment ID#	
. , ,	• •	X Sweet
Equipment Description: Water Storage	Tank Service: Proc	duced Water Sour
Manufacturer: n/a		Year Built: 1996
MAWP kPag / psi @	OC/F MDMT:	OC / F Capacity: m3
IDENTIFIED DEFICENCIES		
Level 3 IDR: Faulty welding, piping		
joint make-up or flange connection		1 A CONTRACTOR OF THE CONTRACT
(no immediate safety hazard repair or		
replace at next outage)	1 1	Compromised Flex Hose
Flex hose is not installed correctly.		IDR#111117CWb
According to DS-PF-05 Metallic Flex		
Hose specification		
1000		
8.1 Care must be taken to ensure that		
the flex hose is not subjected to		
excessive stresses or other		
mechanical forces during the installation process.		TE TO THE PARTY OF
mstallation process.		
RECOMMENDED ACTION		
LEAVE "AS-IS" X PERFOR	M REPAIR PERFORM	ALTERATION REPLACE UNIT
INTEGRITY ASSESSMENT REQUIR	ED	7.
Comments:		
Replace gasket		
INSPECTION PERFORMED BY		
	54B W0D5070B	NITE A STEEL WAS EAST
QUALITY INSPECTOR X LI	EAD INSPECTOR CO	NTRACTED INSPECTOR
Print Name	Signature	November 18, 2011
	Signature	Date
DEFICIENCY REPORT ISSUED TO		
Name Dave McAmmond Area Fo	Position	Date
	ance Planner	November 18, 2011 November 18, 2011
	stream Lead Inspector	November 18, 2011
Deniv Dollman VVC. Dis		
Jane Yan Data Int	tegrity Administrator	November 18, 2011
Jane Yan Data Int  RECOMMENDED ACTION COMPLETED	egrity Administrator	
Jane Yan Data Int	egrity Administrator	
Jane Yan Data Int  RECOMMENDED ACTION COMPLETED	egrity Administrator	
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Form: QR-19.2 Rev.: 0 , Date: 03/03

## **INSPECTION DEFICIENCY REPORT**

FACILITY: FH-BC-007 Kakwa	DATE: Noven	nber 18, 2011	REPORT #:	IDR <u>111117CWc</u>			
STATIC DATA							
Prov. Reg. #n/a	CRN: n/a		Serial #n/a				
Equipment Location(LSD): 07-05-063-0	<u>6W6M</u> Eq	uipment ID#: <u>n/a</u>	3				
				X Sweet			
Equipment Description: Pig Receiver	Serv	ice: Emulsion		Sour			
Manufacturer: n/a			Year Built:	2011			
MAWP kPag / psi @	OC/F M	DMT:	OC/F Capa	city: m3			
IDENTIFIED DEFICENCIES							
Level 3 IDR: Faulty welding, piping joint make-up or flange connection (no immediate safety hazard repair or replace at next outage)  6" gasket is found to be installed incorrectly and bent over significantly within the flange.			Bent 6" Gaske IDR#111117CW				
RECOMMENDED ACTION  LEAVE "AS-IS" X PERFORM REPAIR PERFORM ALTERATION REPLACE UNIT  INTEGRITY ASSESSMENT REQUIRED  Comments:  Replace gasket							
INSPECTION PERFORMED BY QUALITY INSPECTOR X L Christy Walsh Print Name	EAD INSPECTOR	CONTRA Signature	CTED INSPECT Nov	OR ember 18, 2011			
DEFICIENCY REPORT ISSUED TO							
Name Dave McAmmond Area Fo	Position preman ance Planner		November 18, 2 November 18, 2				
Henry Hollman WC Up	stream Lead Inspec		November 18, 2				
	egrity Administrato		November 18, 2				
RECOMMENDED ACTION COMPLETED							
Job File # Comments							
Print Name		Signature		Date			



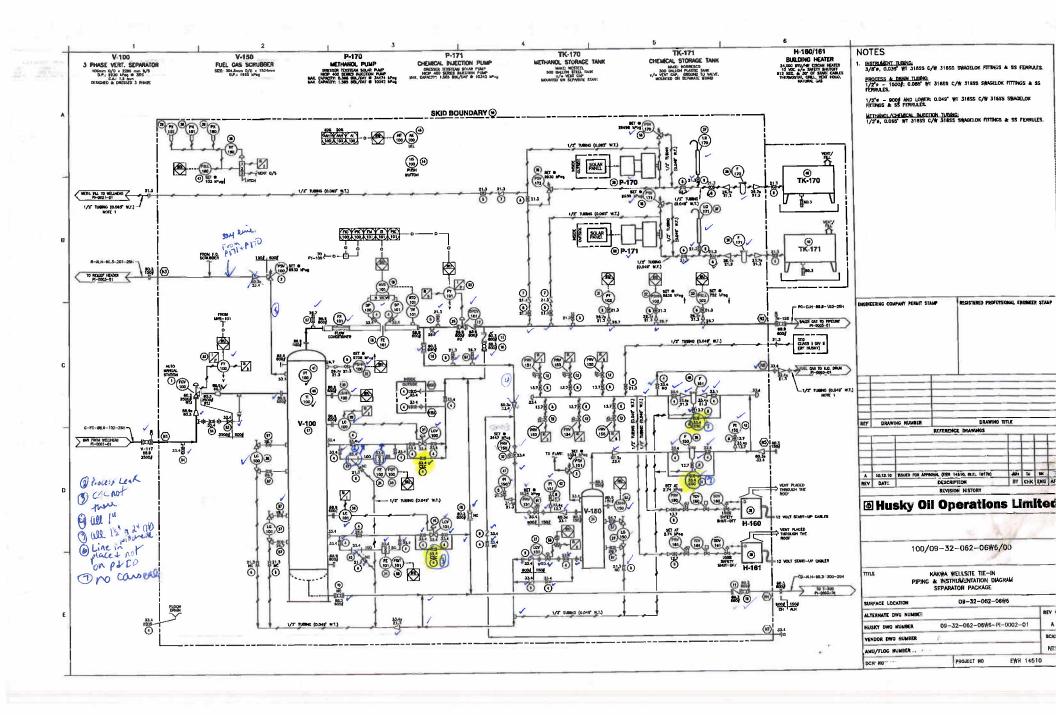
# Husky Energy Report #

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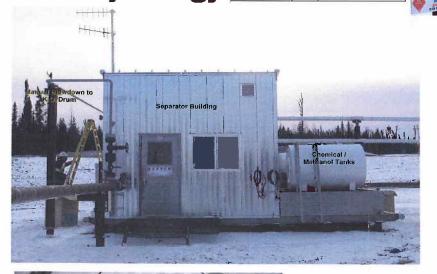








# Husky Energy Report #

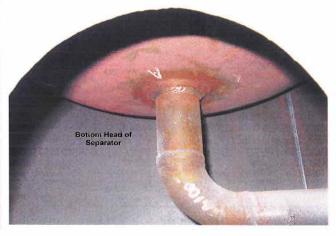












Husky Energy Report #

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