

## PRESSURE EQUIPMENT DATA REPORT

### EQUIPMENT GENERAL INFORMATION

<b>District:</b>	Northeast BC		
<b>Facility:</b>	MAXHAMISH		
<b>Location /LSD:</b>	D-036-I/094-O-14	<b>Operating Province:</b>	British Columbia
<b>Equipment Name:</b>	CONTACTOR		
<b>Equipment Status:</b>	Operating	<b>Orientation:</b>	Vertical
<b>Skid No.:</b>		<b>Unit:</b>	EOG PO# 09-137

### EQUIPMENT STATIC DATA

<b>AB Registration No.:</b>	0526914	<b>Serial No.:</b>	2009-8035-02
<b>Registration No./Other:</b>		<b>Equipment No.:</b>	10942
<b>CRN NO.:</b>	V-0556.231	<b>Unique ID No.:</b>	
<b>National Board No.:</b>		<b>Oncor ID No.:</b>	60558
<b>Manufacturer:</b>	ALCO GAS & OIL		<b>Year Built:</b> 2010
<b>MAWP:</b>	2127.00 (psi)	14665.24 (Kpa)	<b>Temperature:</b> 145.00 (F) 62.78 (C)
<b>Diameter.:</b>	60.500 (In)	1536.70( mm)	<b>Length:</b> 408.00 (In) 10363.20 (mm)
<b>Radiography:</b>	RT1		<b>Heat Treatment:</b> Yes
<b>Corrosion allowance:</b>	0.125 (In)	3.175 (mm)	<b>MDMT:</b>
<b>Lining Or Coated:</b>			<b>Painted:</b>
<b>Insulated:</b>			<b>Internally Clad:</b>
<b>Hand Hole:</b>			<b>Support Type:</b>
<b>Manway:</b>	Yes		<b>Manway Size(In):</b>
<b>Capacity/Volume(m3):</b>			<b>Nozzle Rating:</b>

### MATERIALS/COMPONENTS

Name	Joint Efficiency	Outside Diameter(In.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(In.)
SHELL	1.00	60.500		SA-516 70MT	20000	3.25
HEAD	1.00	60.500	Ellipsoidal	SA-516 70MT	20000	3.13

### PIPING STATIC DATA

<b>Primary Flange Rating:</b>	1500	<b>ASME B16.5 - Table 2-1.1 @ 150F:</b>	3705 (psi)
<b>Pressure Use For TMin:</b>	Vess Design Press	<b>Piping Operating Press:</b>	2127 (psi)
<b>Stress Value:</b>	20000 (psi)	<b>E Value:</b>	1.00 <b>Joint:</b>

### SERVICE CONDITIONS

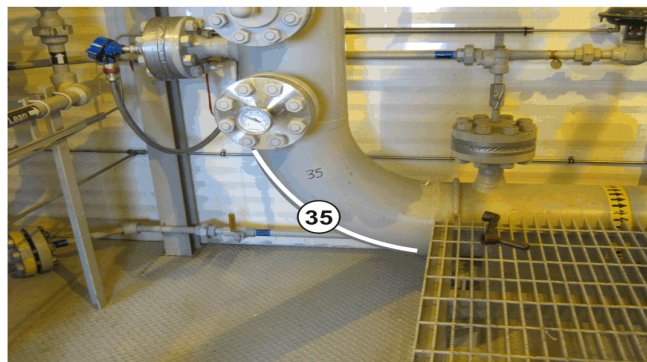
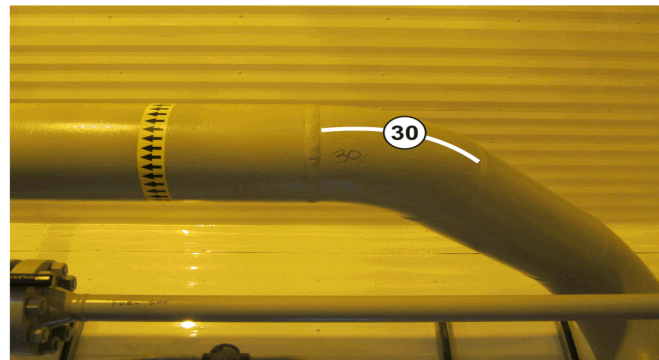
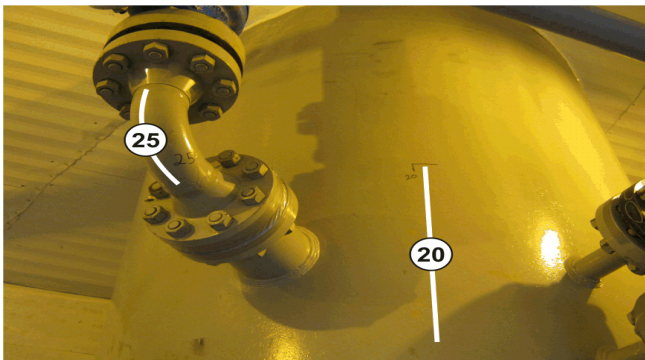
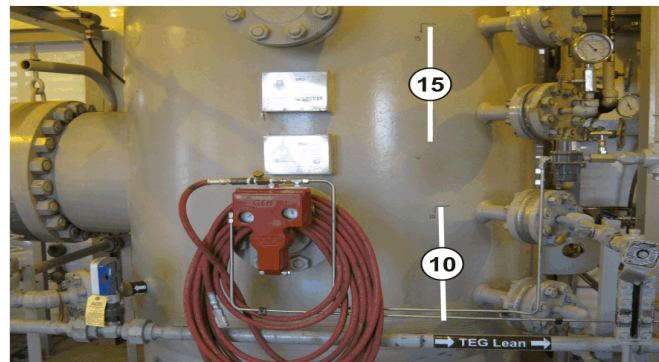
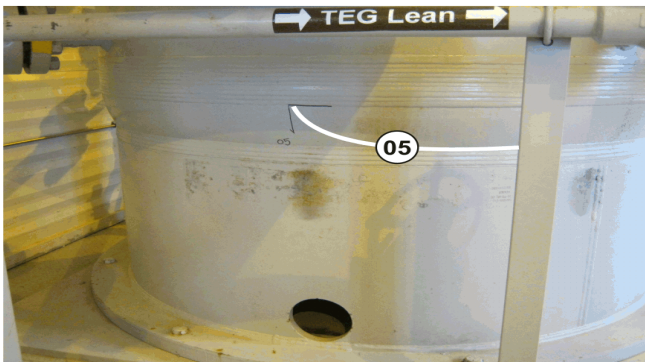
<b>Sweet</b>	<b>Sour</b> ✓	<b>Oil</b>	<b>Gas</b>	<b>Water</b>
<b>Amine</b>	<b>LPG</b>	<b>Condensate</b>	<b>Air</b>	<b>Glycol</b>

### COMMENTS

3-PHASE TEG CONTACTOR.  
LOCATION TAKEN FROM U1A.  
PICS: 5265-5275

## EXAMINATION ILLUSTRATION

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	CONTACTOR			PROV REG No.:	0526914
SERIAL No.:	2009-8035-02	Equip No.:	10942	National Board No.:	



**OWNER: EOG**  
**EQUIPMENT NAME: CONTACTOR**  
**REGISTRATION # 526914**  
**EQUIPMENT # 10942**

**SERIAL # 2009-8035-02**  
**NB#**  
**OWNER ID**

NOTES

## ULTRASONIC CORROSION SURVEY REPORT

<b>DISTRICT:</b>	Northeast BC	<b>FACILITY:</b>	MAXHAMISH	<b>LOCATION/LSD:</b>	D-036-I/094-O-14
<b>EQUIP NAME:</b>	CONTACTOR			<b>PROV REG No.:</b>	0526914
<b>SERIAL No.:</b>	2009-8035-02	<b>Equip No.:</b>	10942	<b>National Board No.:</b>	

### SUMMARY

TYPE	LAST INSPECTIONS	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING LIFE (YEARS)	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM		
VESSEL	Oct 20, 2011	4.0	0.0000	0.0000	198.0	Oct 20, 2015
PIPING	Oct 20, 2011	4.0	0.0094	0.0094	24.0	

### VESSEL SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			CALCULATIONS		
		NOM.	C.A.	NOM-CA		LOW	AVG	T Req (inch)	short term corr	long term	remaining life
05	HEAD	3.1250	0.1250	3.0000	Oct 20/11	3.222	3.400	2.936	0.0000	0.0000	198.0
10	SHELL	3.2500	0.1250	3.1250	Oct 20/11	3.347	3.360	3.086	0.0000	0.0000	198.0
15	SHELL	3.2500	0.1250	3.1250	Oct 20/11	3.348	3.355	3.086	0.0000	0.0000	198.0
20	SHELL	3.2500	0.1250	3.1250	Oct 20/11	3.341	3.355	3.086	0.0000	0.0000	198.0

### PIPING SURVEY READINGS

POINT NUMBER	TYPE	SIZE	SCH	NOM.	POINT DATA (INCH)		DATE	SURVEY READINGS			CALCULATIONS		
					Mill Tol./CA	NOM-CA		LOW	AVG	T Req (inch)	short term corr	long term corr rate	remaining life
25	90L 3 160	3.00	160	0.4380	0.0547	0.3833	Oct 20/11	0.425	0.460	0.186	0.0026	0.0026	91.9
30	45L 10 120	10.00	120	0.8440	0.1055	0.7385	Oct 20/11	0.831	0.860	0.572	0.0026	0.0026	99.8
35	90L 10 120	10.00	120	0.8440	0.1055	0.7385	Oct 20/11	0.797	0.850	0.572	0.0094	0.0094	24.0

### INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Dat	UT Equipment	Due Date OF Calibration	NDE Procedure #
				10/20/2011			WQS UT-001

## VISUAL INSPECTION REPORT

District:	Northeast BC	Facility:	MAXHAMISH	Location/LSD:	D-036-I/094-O-14
Equipment Name:	CONTACTOR			Prov Reg No. :	0526914
Serial No.:	2009-8035-02	Equip No.:	10942	National Board No.:	

### EXTERNAL INSPECTION

INSPECTION DATE:	Oct 20, 2011	INSPECTION INTERVAL:	48	NEXT INSPECTION DATE:	Oct 20, 2015
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	IN GOOD CONDITION.			
LEAKAGE	ACCEPT	NO LEAKS NOTED.			
SKIRT/SADDLE	ACCEPT	IN GOOD CONDITION.			
ANCHOR BOLTS	ACCEPT	SECURE.			
CONCRETE FOUNDATION	N/A				
LADDER/PLATFORM	N/A				
NOZZLE	ACCEPT	IN GOOD CONDITION.			
GAUGES	ACCEPT	IN GOOD CONDITION.			
EXTERNAL PIPING	ACCEPT	WELL SUPPORTED.			
VALVING	ACCEPT	IN GOOD CONDITION.			
PSV	CONCERN	PSV SET AT 2127 PSI, SERVICE DATE NOT STATED.			
NDE METHODS	ACCEPT	UT/VT.			
OTHER	N/A				

### RECOMMENDATIONS:

FIT FOR SERVICE. CONFIRM PSV SERVICE DATE.

I have performed the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate.

Inspector:	Justin Orichowski	ABSA PESL #:758	Signature:		Date:	Oct 20, 2011
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### REPORT SIGN-OFF

*Where required , the above reports has been reviewed and accepted as noted below:*

WQS Supervisor Name:					
WQS Supervisor Title/Cert No.:				Cert No.:	
WQS Supervisor Signature/Date:				Date:	

*Where required , the above reports has been reviewed and accepted as noted below:*

Client Supervisor Name:					
Client Supervisor Title/Cert No.:					
Client/Supervisor Signature/Date:				Date:	

## PRESSURE RELIEF VALVE SUMMARY

<b>District:</b>	Northeast BC	<b>Facility:</b>	MAXHAMISH	<b>Location/LSD:</b>	D-036-I/094-O-14
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### PSV STATIC DATA

<b>Tag/Equip No.:</b>	10942	<b>Serial No.:</b>	C07-21643
<b>Manufacturer:</b>	CROSBY	<b>CRN No.:</b>	OG0703.92
<b>Model No.:</b>	JOSE55J	<b>Code Stamp:</b>	
<b>Side (Shell or Tube):</b>	Shell	<b>Outlet Size:</b>	4
<b>Inlet Size:</b>	3	<b>Outlet Type / ANSI Rating:</b>	/
<b>Inlet Type / ANSI Rating:</b>	/		

### PSV SERVICE DATA

<b>Set Date:</b>	1 Jan, 1900	<b>Service Interval:</b>	48
<b>Set Pressure (psig)</b>	2127	<b>Capacity (scfm):</b>	54203
<b>Service Company:</b>		<b>Next Service Date:</b>	1 Jan, 1904
<b>Comments:</b>	VERIFY PSV SET DATE.		

### EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0526913	10943	2009-8035-01	INLINE SEPARATOR	Operating	2127.00
0526914	10942	2009-8035-02	CONTACTOR	Operating	2127.00
0593290	10941	2009-8035-06	LEVEL CONTROL CAGE	Operating	2127.00

### PSV SUMMARY

PSV service is past due.