

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 8379228		<b>Field Ticket Date:</b> Wednesday, August 10, 2011	
<b>Bill To:</b> APOLLO OPERATING 1538 WAZEE ST #200 DENVER, CO 80202		<b>Job Name:</b> Loewen <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Loewen 12-32D <b>Company Code:</b> 1100 <del>30230040</del> <b>Customer PO No.:</b> NA 21-32D <b>Shipping Point:</b> Brighton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> APOLLO LOEWEN 12-32D,WELD LOEWEN 12-32D 2870550 S32 T4N R68W MEAD, CO 80542			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7523	CMT PRODUCTION CASING BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI	66	MI	0.00	5.76	380.16	60%	152.06
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	66	MI	0.00	9.79	646.14	60%	258.46
	Number of Units	1						
16091	ZI - PUMPING CHARGE	1	EA	0.00	9,081.00	9,081.00	60%	3,632.40
	DEPTH	7615						
	FEET/METERS (FT/M)		FT					
76400	ZI MILEAGE,CMT MTLS DEL/RET MIN	33	MI	0.00	3.35	3,542.02	60%	1,416.81
	NUMBER OF TONS	32.04						
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	801	CF	0.00	5.49	4,397.49	60%	1,759.00
	NUMBER OF EACH	1						
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z	1	JOB	0.00	1,285.00	1,285.00	60%	514.00
	NUMBER OF UNITS	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	60%	910.00
	NUMBER OF UNITS	1						
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	60%	1,019.60
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	1,322.00	0.00	1,322.00	60%	528.80
	DAYS OR FRACTION (MIN1)	1						
90	ZI QUICK LATCH ATTACHMENT	1	JOB	0.00	491.00	491.00	60%	196.40
	SIZE IN INCHES/MILLIMETER	4.5						
	INCHES/MILLIMETERS (IN/MM)		IN					

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 8379228		<b>Field Ticket Date:</b> Wednesday, August 10, 2011	
<b>Bill To:</b> APOLLO OPERATING 1538 WAZEE ST #200 DENVER, CO 80202		<b>Job Name:</b> Loewen <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Loewen-12-32D <b>Company Code:</b> 1100 21-320 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Brighton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> APOLLO LOEWEN 12-32D,WELD LOEWEN 12-32D 2870550 S32 T4N R68W MEAD, CO 80542			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	83.00	83.00		83.00
372867	Cmt PSL - DOT Vehicle Charge, CMT	3	EA	0.00	241.00	723.00		723.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	66	MI	0.00	0.20	13.20		13.20
	Number of Units	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	66	MI	0.00	0.59	38.94		38.94
	Number of Units	1						
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	33	MI	0.00	0.20	190.15		190.15
	NUMBER OF TONS	28.81						
92	PORTABLE RADIOS, ZI	1	EA	0.00	92.00	368.00		368.00
	NUMBER OF JOBS	4						
656520	CMT, S.O.T./S.M.M. Permit	2	EA	0.00	150.00	300.00		300.00
528788	MUD FLUSH III	24	BBL	0.00	94.45	2,266.80	60%	906.72
452992	ECONOCEM (TM) SYSTEM	420	SK			17,694.24	60.0%	7,077.70
452963	FRACCEM (TM) SYSTEM	250	SK			12,540.04	60.0%	5,016.00
100004879	SHOE,FLT,4-1/2 8RD,2-3/4 SSII	1	EA	0.00	599.00	599.00	60%	239.60
100004752	CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA	0.00	700.00	700.00	60%	280.00
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	30	EA	0.00	126.00	3,780.00	60%	1,512.00
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	0.00	44.20	44.20	60%	17.68

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 8379228		<b>Field Ticket Date:</b> Wednesday, August 10, 2011	
<b>Bill To:</b> APOLLO OPERATING 1538 WAZEE ST #200 DENVER, CO 80202		<b>Job Name:</b> Loewen <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Loewen 12-32D <b>Company Code:</b> 1100 21-321 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Brighton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> APOLLO LOEWEN 12-32D,WELD LOEWEN 12-32D 2870550 S32 T4N R68W MEAD, CO 80542			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100005045	KIT,HALL WELD-A	1	EA	0.00	74.30	74.30	60%	29.72
100013745	PLUG ASSY - 3W LATCHDOWN - 4-1/2 IN	1	EA	0.00	561.00	561.00	60%	224.40
100004364	BAFFLE ASSY - 4-1/2 8RD LATCHDOWN PLUG	1	EA	0.00	262.00	262.00	60%	104.80
101583425	CLAYFIX 3	15	GAL	0.00	94.85	1,422.75		1,422.75
				<b>Totals</b>	<b>USD</b>	<b>67,763.43</b>	<b>38,694.24</b>	<b>29,069.19</b>

Halliburton Rep: BRANDON NIELSON  
 Customer Agent: DON LIBHART  
 Halliburton Approval

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.  
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X \_\_\_\_\_ FIELD TICKET TOTAL: USD 29,069.19

Customer Signature \_\_\_\_\_

Was our HSE performance satisfactory? Y or N      Were you satisfied with our Equipment? Y or N      Were you satisfied with our people? Y or N  
 (Health, Safety, Environment)

Comments \_\_\_\_\_

Did we provide job DVA above our normal service today? Y or N      Hours: \_\_\_\_\_      Other: \_\_\_\_\_      Customer Initials: \_\_\_\_\_  
 Please provide details:

# HALLIBURTON

## Cementing Job Summary

*The Road to Excellence Starts with Safety*

Sold To #: 353960	Ship To #: 2870550	Quote #:	Sales Order #: 8379228
Customer: APOLLO OPERATING		Customer Rep: LIBHART, DON	
Well Name: Loewen	Well #: 42-32D 21-32D	API/UWI #: 05-123-33743-00	
Field: WATTENBERG	City (SAP): MEAD	County/Parish: Weld	State: Colorado
Lat: N 40.273 deg. OR N 40 deg. 16 min. 22.512 secs.		Long: W 105.031 deg. OR W -106 deg. 58 min. 9.444 secs.	
Contractor: FORT	Rig/Platform Name/Num: Fort 5		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: FLING, MATTHEW	Srv Supervisor: NIELSON, BRANDON	MBU ID Emp #: 479703	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	4.5	372277	CARPENTER, JACOB	4.5	499500	NIELSON, BRANDON K	4.5	479703
RAMOS, REFUGIO Castro	4.5	435413						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857080C	33 mile	10951212	33 mile	11106651	33 mile	11398319	33 mile
11398490	33 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/10/11	4.5	1.5						
TOTAL			Total is the sum of each column separately					

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	10 - Aug - 2011	02:00	CST
Job depth MD	7515. ft		Job Depth TVD	Job Started	10 - Aug - 2011	05:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	10 - Aug - 2011	07:07	CST
Perforation Depth (MD)	From		To	Departed Loc	10 - Aug - 2011	08:35	CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				7.875				632.	7515.	.	.
Production Casing	New		4.5	4.	11.6			.	7467.	.	.
Surface Casing	Used		8.625	8.097	24.		J-55	.	632.	.	.

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,FLT,4-1/2 8RD,2-3/4 SSII	1	EA		
CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA		
CENTRALIZER ASSY - API - 4-1/2 CSG X	30	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
PLUG ASSY - 3W LATCHDOWN - 4-1/2 IN	1	EA		
BAFFLE ASSY - 4-1/2 8RD LATCHDOWN PLUG	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	4.5	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			QLTCH

# HALLIBURTON

## Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 353960	Ship To #: 2870550	Quote #:	Sales Order #: 8379228
Customer: APOLLO OPERATING		Customer Rep: LIBHART, DON	
Well Name: Loewen	Well #: 42-32D-21-320	API/UWI #: 05-123-33743-00	
Field: WATTENBERG	City (SAP): MEAD	County/Parish: Weld	State: Colorado
Legal Description:			
Lat: N 40.273 deg. OR N 40 deg. 16 min. 22.512 secs.		Long: W 105.031 deg. OR W -106 deg. 58 min. 9.444 secs.	
Contractor: FORT		Rig/Platform Name/Num: Fort 5	
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: NIELSON, BRANDON MBU ID Emp #: 479703	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	08/10/2011 07:32							TEST TO 3500
Pump Spacer 1	08/10/2011 07:33		5	20			332.0	RIG WATER
Pump Spacer 2	08/10/2011 07:37		5	24	44		390.0	MUD FLUSH MIXED WITH RIG WATER
Pump Spacer 1	08/10/2011 07:42		5	10	54		440.0	RIG WATER
Pump Lead Cement	08/10/2011 07:44		8	141	195		304.0	420 SK ECONOCEM MIXED WITH RIG WATER @ 12.5 PPG
Pump Tail Cement	08/10/2011 08:03		8	75	270		2403.0	250 SK FACCEM MIXED WITH RIG WATER @ 13.5 PPG
Shutdown	08/10/2011 08:13							
Clean Lines	08/10/2011 08:14							
Drop Top Plug	08/10/2011 08:15							PLUG PRE LOADED
Pump Displacement	08/10/2011 08:16		8	115	655		1462.0	RIG WATER WITH CLAYFIX GOOD RETURN THROUGH
Displ Reached Cmmt	08/10/2011 08:21						321.0	CAUGHT CMT AT 39 BBL AWAY
Bump Plug	08/10/2011 08:32						2500.0	CALCULATED PRESSURE TO LAND WAS 1298 PSI
Check Floats	08/10/2011 08:33						2555.0	FLOATS HELD
End Job	08/10/2011 08:35							

Sold To # : 353960

Ship To # :2870550

Quote # :

Sales Order # :

8379228

SUMMIT Version: 7.2.27

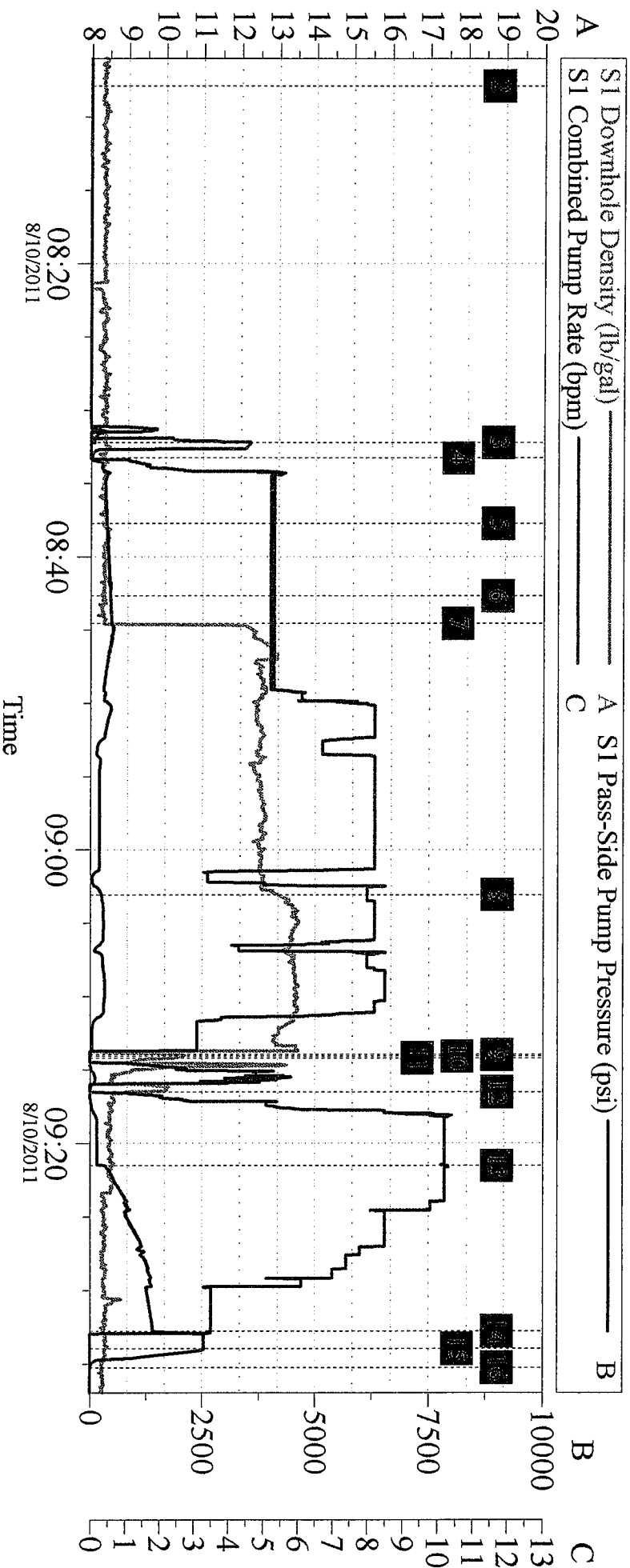
Wednesday, August 10, 2011 09:58:00

# HALLIBURTON

## Cementing Job Summary

Stage Tool										Centralizers							
<b>Miscellaneous Materials</b>																	
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc		%			
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty					
<b>Fluid Data</b>																	
<b>Stage/Plug #: 1</b>																	
Fluid #	Stage Type	Fluid Name				Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk					
1	Water Spacer					20.00	bbl	8.33	.0	.0	4.0						
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)				24.00	bbl	8.4	.0	1000.0	5.0						
3	Econocem 12.5#	ECONOCEM (TM) SYSTEM (452992)				420.0	sacks	12.5	1.89	10.3	5.0	10.3					
10.3 Gal		FRESH WATER															
4	Fraccem 13.5#	FRACCEN (TM) SYSTEM (452963)				250.0	sacks	13.5	1.69	8.04	5.0	8.04					
8.04 Gal		FRESH WATER															
<b>Calculated Values</b>				<b>Pressures</b>				<b>Volumes</b>									
Displacement		115.5		Shut In: Instant				Lost Returns		NO		Cement Slurry		0		Pad	
Top Of Cement				5 Min				Cement Returns		0		Actual Displacement		115.5		Treatment	
Frac Gradient				15 Min				Spacers		0		Load and Breakdown				Total Job	
<b>Rates</b>																	
Circulating				Mixing				Displacement				Avg. Job					
Cement Left In Pipe		Amount		14 ft		Reason		Shoe Joint									
Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID			
The Information Stated Herein Is Correct								Customer Representative Signature									

# APOLLO, LOEWEN <sup>21</sup> 12-32D 4.5" PRODUCTION



## Global Event Log

Intersection	SPPP	Intersection	SPPP	Intersection	SPPP
1 Starting Job	08:02:30 3.000	2 Start Job	08:07:52 0.000	3 Test Lines	08:32:11 3137
4 Pump Spacer 1	08:33:16 29.00	5 Pump Spacer 1	08:37:44 360.0	6 Pump Spacer 1	08:42:39 441.0
7 Pump Lead Cement	08:44:32 465.0	8 Pump Tail Cement	09:03:04 243.0	9 Shutdown	09:13:58 3.998
10 Clean Lines	09:14:04 -0.002	11 Drop Plug	09:14:12 -3.000	12 Pump Displacement	09:16:30 -1.000
13 Displ Reached Cmnt	09:21:31 321.0	14 Bump Plug	09:32:46 1392	15 Other	09:33:57 2545
16 End Job	09:35:14 5.000	17 Ending Job	09:38:14 -3.000		

Customer: APOLLO OPERATING LLC.  
Well Description: 4.5 PRODUCTION

Job Date: 10-Aug-2011  
UWI: 05-123-33743

Sales Order #: 8379228