

HALLIBURTON

K P KAUFFMAN CO, INC. EBIZ

**Wuertz 12-3
WQATTENBERG
Weld County , Colorado**

Squeeze Hole in Casing
31-May-2012

Job Site Documents

HALLIBURTON

Field Ticket

Field Ticket Number: 9558590		Field Ticket Date: Thursday, May 31, 2012	
Bill To: KP KAUFFMAN CO, INC. EBIZ 1675 BROADWAY STE 2800-DO NOT MAIL DENVER, CO 80202		Job Name: Wuertz Order Type: Streamline Order (ZOH) Well Name: Wuertz 12-3 Company Code: 1100 Customer PO No.: NA Shipping Point: Brighton, CO, USA Sales Office: Rocky Mountains BD Well Type: Gas Well Category: Development	
Ship To: KP KAUFFMA WUERTZ 12-3,WELD WUERTZ 12-3 2930512 S12 T1N R65W HUDSON, CO 80642			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
14118	CMT SQUEEZE HOLE IN CASING BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI	30	MI	0.00	5.76	172.80	50%	86.40
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	30	MI	0.00	9.79	293.70	50%	146.85
	Number of Units	1						
16097	SQUEEZE PUMPING CHARGE,ZI	1	EA	0.00	6,065.00	6,065.00	50%	3,032.50
	DEPTH	1085						
	FEET/METERS (FT/M)		FT					
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	30	MI	0.00	0.17	5.10		5.10
	Number of Units	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	30	MI	0.00	0.51	15.30		15.30
	Number of Units	1						
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	15	MI	0.00	3.35	354.26	50%	177.13
	NUMBER OF TONS	7.05						
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	15	MI	0.00	0.17	17.98		17.98
	NUMBER OF TONS	7.05						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	150	CF	0.00	5.49	823.50	50%	411.75
	NUMBER OF EACH	1						
7	ENVIRONMENTAL CHARGE,/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	2	EA	0.00	241.00	482.00		482.00

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130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	50%	1,274.50
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z	1	JOB	0.00	1,285.00	1,285.00	50%	642.50
	NUMBER OF UNITS	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	50%	1,137.50
	NUMBER OF UNITS	1						
656520	CMT, S.O.T./S.M.M. Permit	1	EA	0.00	150.00	150.00		150.00
92	PORTABLE RADIOS, ZI	4	EA	0.00	92.00	368.00		368.00
	NUMBER OF JOBS	1						
576879	CMT,Mileage,CmtMatls Del/Ret,per mi,1way	30	MI	0.00	9.79	293.70	50%	146.85
	Number of Units	1						
100003685	CLASS G / PREMIUM	150	SK	0.00	38.76	5,814.00	50%	2,907.00
100008028	SUGAR, GRANULATED, IMPERIAL	50	LB	0.00	6.44	322.00	50%	161.00

Halliburton Rep:	JONATHAN SNYDER	Totals	USD	21,503.34	10,123.98	11,379.36
Customer Agent:	RICH RAMOS					
Halliburton Approval						

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Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
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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

11,379.36

Customer Signature

Was our HSE performance satisfactory? Y or N
(Health, Safety, Environment)

Were you satisfied with our Equipment? Y or N

Were you satisfied with our people? Y or N

Comments

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The Road to Excellence Starts with Safety

Sold To #: 303209	Ship To #: 2930512	Quote #:	Sales Order #: 9558590
Customer: K P KAUFFMAN CO, INC. EBIZ	Customer Rep: RAMOS, RICH		
Well Name: Wuertz	Well #: 12-3	API/UWI #: 05-123-13409-00	
Field: WQATTENBERG	City (SAP): HUDSON	County/Parish: Weld	State: Colorado
Job Purpose: Squeeze Hole in Casing			
Well Type: Producing Well	Job Type: Squeeze Hole in Casing		
Sales Person: AARON, WESLEY	Srvs Supervisor: SNYDER, JONATHAN	MBU ID Emp #: 435616	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
EDWARDS, HEATH	4.5	522592	HOLLOWAY, DUSTIN Craig	4.5	504032	SNYDER, JONATHAN Leroy	4.5	435616
WILEY, JAMES A	4.5	440080						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11064046C	25 mile	11362287C	25 mile	11518548	25 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/31/2012	4.5	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name						Date	Time	Time Zone		
Formation Depth (MD)		Top		Bottom		Called Out	31 - May - 2012	07:00	MST	
Form Type			BHST			On Location	31 - May - 2012	11:30	MST	
Job depth MD		750. ft		Job Depth TVD		750. ft	Job Started	31 - May - 2012	12:28	MST
Water Depth				Wk Ht Above Floor		4. ft	Job Completed	31 - May - 2012	15:29	GMT
Perforation Depth (MD)		From			To		Departed Loc	31 - May - 2012	16:00	MST

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
Casing	Used		4.5	4.	11.6				7790.		
Surface Casing	Used		8.625	8.097	24.				214.		
Tubing	Used		2.375	1.995	4.6				764.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
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HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Premium G 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	150.0	sacks	15.8	1.15	5.0	4.0	5.0
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
5 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	8	Shut In: Instant		Lost Returns		Cement Slurry	30	Pad	
Top Of Cement	1085	5 Min		Cement Returns		Actual Displacement	7.5	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	2	Displacement	2	Avg. Job		2	
Cement Left In Pipe	Amount	0 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					

The Road to Excellence Starts with Safety

Sold To #: 303209		Ship To #: 2930512		Quote #:		Sales Order #: 9558590	
Customer: K P KAUFFMAN CO, INC. EBIZ				Customer Rep: RAMOS, RICH			
Well Name: Wuertz			Well #: 12-3			API/UWI #: 05-123-13409-00	
Field: WQATTENBERG		City (SAP): HUDSON		County/Parish: Weld			State: Colorado
Legal Description:							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor:			Rig/Platform Name/Num:				
Job Purpose: Squeeze Hole in Casing						Ticket Amount:	
Well Type: Producing Well			Job Type: Squeeze Hole in Casing				
Sales Person: AARON, WESLEY			Srvc Supervisor: SNYDER, JONATHAN			MBU ID Emp #: 435616	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	05/31/2012 11:30							ARRIVED AND CONDUCTED A HAZARD HUNT AND FOUND NO HAZARDS THAT CONFLICT WITH US RIGGING UP EQUIPMENT.
Pre-Job Safety Meeting	05/31/2012 12:00							HELD SAFETY MEETING WITH ALL EMPLOYEES AND ALL THIRD PARTY PERSONEL PRIOR TO PUMPING THE CEMENT JOB.
Start Job	05/31/2012 12:28							
Test Lines	05/31/2012 12:41							PRESSURE TEST LINES TO 3775 PSI
Pump Cement	05/31/2012 12:47		2	30			420.0	150 SKS PREMIUM G NEAT MIXED @ 15.8 PPG W/ RIG WATER
Pump Displacement	05/31/2012 13:02		2	7			708.0	W/ RIG WATER
Shutdown	05/31/2012 13:05							SHUTDOWN AND MONITORED PRESSURE. WASHED UP THE PUMP TRUCK WHILE WE WAITED FOR THE CEMENT TO SET UP.
Pressure Up	05/31/2012 13:39		0.5	0.25			582.0	PRESSURED UP THE WELL TO TRY TO GET THE WELL TO SQUEEZE
Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments

HALLIBURTON

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Shutdown	05/31/2012 13:41							SHUTDOWN AND MONITORED THE PRESSURE.
Pressure Up	05/31/2012 14:12		0.5	0.25			516.0	PRESSURED UP THE WELL TO TRY TO GET THE WELL TO SQUEEZE
Shutdown	05/31/2012 14:13							SHUTDOWN AND MONITORED THE PRESSURE.
Pressure Up	05/31/2012 14:47		0.5	0.25			532.0	PRESSURED UP THE WELL TO TRY TO GET THE WELL TO SQUEEZE
Shutdown	05/31/2012 14:49							SHUTDOWN AND MONITORED THE PRESSURE.
Pressure Up	05/31/2012 15:21		0.5	0.5			664.0	PRESSURED UP THE WELL TO TRY TO GET THE WELL TO SQUEEZE
Shut In Well	05/31/2012 15:27						664.0	SHUT IN THE WELL AND BULL PLUGGED THE TOP OF IT WITH PRESSURE ON THE WELL. LEFT THE SWAGE AND 2" VALVE ON LOCATION
End Job	05/31/2012 15:29							HELD SAFETY MEETING WITH ALL EMPLOYEES PRIOR TO RIGGING DOWN AND DISCUSSED ALL HAZARDS WHILE RIGGING DOWN EQUIPMENT.
Pre-Rig Down Safety Meeting	05/31/2012 15:35							HELD SAFETY MEETING WITH ALL EMPLOYEES PRIOR TO RIGGING DOWN AND DISCUSSED ALL HAZARDS WHILE RIGGING DOWN EQUIPMENT.
Depart Location for Service Center or Other Site	05/31/2012 16:00							HELD SAFETY MEETING PRIOR TO LEAVING LOCATION AND DISCUSSED ALL POTENTIAL HAZARDS WHILE DRIVING BACK TO THE SERVICE CENTER.

Sold To # : 303209

Ship To # :2930512

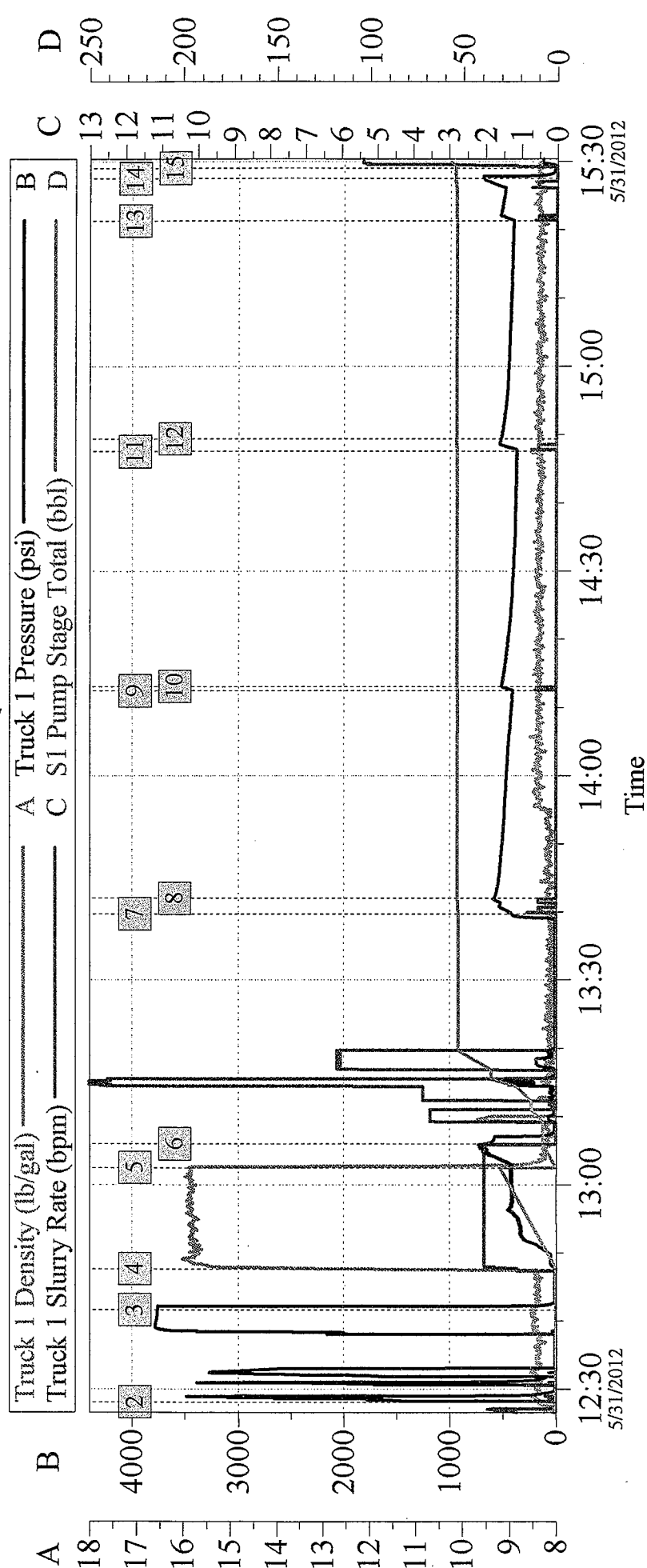
Quote # :

Sales Order # :

9558590

SUMMIT Version: 7.3.0021

Thursday, May 31, 2012 03:40:00



Global Event Log				
Intersection	T1D	T1P	Intersection	T1D
2 Start Job	12:28:03	8.372	3 Test Lines	12:41:35
4 Pump Cement	12:47:38	12.56	5 Pump Displacement	13:02:29
6 Shutdown	13:05:59	8.198	7 Squeeze Well	13:39:43
8 Shutdown	13:41:59	8.150	9 Squeeze Well	14:12:28
10 Shutdown	14:13:07	8.375	11 Squeeze Well	14:47:33
12 Shutdown	14:49:23	8.300	13 Squeeze Well	15:21:19
14 Shut In Well	15:27:30	8.384	15 End Job	15:29:00
				8.350
				21.00

Customer: KPK	Job Date: 31-May-2012	Sales Order #: 9558590
Well Description: WUERTZ 12-3	UWI: 05-123-13409-00	
SERVICE SUPERVISOR JONATHAN SNYDER	SERVICE OPERATOR JAMES WILEY	