

HALLIBURTON

iCem® Service

K P KAUFFMAN CO INC-EBUS

United States of America, COLORADO

For: Rick Ramos

Date: Friday, August 16, 2019

KPK Squeeze Champlin 86 Amoco 2

WELD, KPK Squeeze Champlin 86 Amoco 2

SO: 905915034

Job Date: Friday, August 16, 2019

Sincerely,

Thomas Haas

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 303209	Ship To #: 2376450	Quote #:	Sales Order #: 0905915034
Customer: K P KAUFFMAN CO INC-EBUS		Customer Rep: R. Ramos	
Well Name: CHAMPLIN 86 AMOCO F	Well #: 2	API/UWI #: 05-123-10468	
Field:	City (SAP): DACONO	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor: UNKNOWN		Rig/Platform Name/Num: WORKOVER RIG	
Job BOM: 7526 7526			
Well Type: OIL			
Sales Person: HALAMERICA\H120097		Srvc Supervisor: Thomas Haas	
Job			

Formation Name			
Formation Depth (MD)	Top	Bottom	
Form Type	BHST		
Job depth MD	2500ft	Job Depth TVD	2500
Water Depth		Wk Ht Above Floor	
Perforation Depth (MD)	From	To	

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Tubing		2.375	1.995	4.7		J-55	0	2500		0
Casing		4.5	4.052	10.5		N-80	0	6980		

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe	4.5				Top Plug	4.5		HES	
Float Shoe	4.5				Bottom Plug	4.5		HES	
Float Collar	4.5				SSR plug set	4.5		HES	
Insert Float	4.5				Plug Container	4.5		HES	
Stage Tool	4.5				Centralizers	4.5		HES	

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	PLUG	HALCEM (TM) SYSTEM	40	sack	15.8	1.15		4	5	
5.22 Gal		FRESH WATER								

Cement Left In Pipe	Amount	ft	Reason	Shoe Joint
Mix Water: pH ##	Mix Water Chloride: ## ppm		Mix Water Temperature: ## °F °C	
Cement Temperature: ## °F °C	Plug Displaced by: ## lb/gal kg/m3 XXXX		Disp. Temperature: ## °F °C	
Plug Bumped? Yes/No	Bump Pressure: ##### psi MPa		Floats Held? Yes/No	
Cement Returns: ## bbl m3	Returns Density: ## lb/gal kg/m3		Returns Temperature: ## °F °C	

Comment PLUG 1: PUMP 40SKS LEFT 1 BBL ON RETAINER. Plug 2: pumps 70 sacks, left 20 sacks on retainer, tagged cement at 367'. Plug 3: Pump 10 sacks, cement to surface.

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	DS Pump Press (psl)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	8/16/2019	03:30:00	USER					CREW CALLED OUT AT 03:30 8/16/2018, REQUESTED ON LOCATION 08:30 8/16/2018. CREW PICKED UP CEMENT, CHEMICALS (200 LBS OF CALCIUM CHLORIDE, 100 LBS SUGAR, AND PLUG CONTAINER FROM FORT LUPTON, CO. Bulk 660: 12644881/10866489 PUMP ELITE: 11897034/11645460.
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	8/16/2019	07:15:00	USER					DISCUSSED ROUTES, HAZARDS, AND COMMUNICATION WITH CREW
Event	3	Crew Leave Yard	Crew Leave Yard	8/16/2019	07:30:00	USER					STARTED JOURNEY MANAGEMENT.
Event	4	Arrive At Loc	Arrive At Loc	8/16/2019	08:00:00	USER					END JOURNEY MANAGEMENT. MEET WITH CO. MAN TO DISCUSS JOB, RETAINER SET AT 2450', PERFORATIONS AT 2500', 2.875 4.7# TUBING, 4.5" 10.5# CASING, 7.875" OH, PPG WELL FLUID, FRESH WATER DISPLACEMENT.
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	8/16/2019	08:10:00	USER					HAZARD HUNT. DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH LOCATION, RIG UP AND WEATHER.

Event 6	Rig-Up Equipment	Rig-Up Equipment	8/16/2019	08:20:00	USER						CREW STAGED EQUIPMENT AND RIGGED UP BULK, IRON, AND WATER HOSES TO PERFORM JOB.
Event 7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/16/2019	08:30:00	USER						MEETING WITH HALLIBURTON AND RIG PERSONNEL. COMMUNICATED POTENTIAL SAFETY HAZARDS AND JOB DETAILS.
Event 8	Start Job	Start Job	8/16/2019	10:23:24	COM4	8.28	0.00	-1.00	0.00		START JOB DATA RECORDING.
Event 9	Break Circulation	Break Circulation	8/16/2019	10:24:18	USER	1.84	0.90	-4.00	0.10		PUMPED 8 BBL TO CIRCULATE THROUGH TUBING.
Event 10	Test Lines	Test Lines	8/16/2019	10:27:38	COM4	8.20	0.00	1.00	5.00		PRESSURE TESTED IRON TO 3000 PSI, 500 PSI K/O OUT @ 1200 PSI, 5TH GEAR STALL AT 2200 PSI.
Event 11	Pressure Up Well	Pressure Up Well	8/16/2019	10:32:11	COM4	8.18	0.00	4.00	5.10		INJECTION RATE TES, PUMPED 12 BBL 1 BBL/MIN AT 700 PSI.
Event 12	Pump Cement	Pump Cement	8/16/2019	11:01:01	COM4	8.30	0.00	1.00	0.00		PUMP 8 BBL OF CEMENT, 40 SKS, 1.15 YIELD, 5.22 GAL/SK.
Event 13	Pump Displacement	Pump Displacement	8/16/2019	11:05:18	COM4	-0.11	0.00	3.00	7.20		PUMP 8.5 BBL OF FRESH WATER DISPLACEMENT TO SPOT 1 BBL OF CEMENT ON TOP OF RETAINER.
Event 14	Pump Displacement - End	End Of Displacement	8/16/2019	11:10:04	COM4	7.60	0.00	395.00	6.90		7.2 BBL OF CEMENT INTO PERFORATIONS, 1 BBL ON TOP OF RETAINER, HOC ON RETAINER 62.9'.
Event 15	Other	Break Circulation	8/16/2019	13:18:17	COM4	7.96	0.00	-2.00	15.10		CIRCULATE 5 BBL THROUGH TUBING.

HALLIBURTON

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 Job: KPK Squeeze Champlin 86 Amoco 2
 Case: SO: 905915034 | SO#: 905915034

Event	16	Other	Injection Test	8/16/2019	13:24:31	COM4	7.57	1.30	36.00	3.40	PUMP 2BBL/MIN AT 190 PSI.
Event	17	Pump Cement	Pump Cement	8/16/2019	13:31:27	COM4	7.63	0.00	-2.00	0.00	PUMP 50 SKS 10.2 BBL, 1.15 YIELD, 5.22 GAL/SK.
Event	18	Other	Remove Stinger	8/16/2019	13:37:08	USER	4.34	0.00	7.00	5.00	POOH REMOVE STINGER, RUN BACK IN HOLE.
Event	19	Pump Cement	Pump Cement	8/16/2019	14:13:49	COM4	7.99	0.90	2.00	11.40	PUMP 10 SKS, 4.2 BBL, 1.15 YIELD, 5.22 GAL/SK, ADDED 3% CALCIUM CHLORIDE.
Event	20	Other	Balance Plug	8/16/2019	14:17:44	USER	1.58	1.90	0.00	3.50	PUMP 1.5 BBL FRESH WATER TO BALANCE PLUG.
Event	21	Pump Cement	Pump Cement	8/16/2019	16:29:08	COM4	7.91	0.90	36.00	2.60	
Event	22	Other	End Job	8/16/2019	16:48:23	USER	8.54	1.70	103.00	17.80	END JOB DATA RECORDING.
Event	23	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	8/16/2019	17:00:00	USER	0.19	0.00	2.00	31.10	DISCUSSED POSSIBLE HAZARDS ASSOCIATED WITH WEATHER, LOCATION AND RIGGING DOWN IRON AND HOSES.
Event	24	Rig-Down Completed	Rig-Down Completed	8/16/2019	17:10:00	USER					ALL HALLIBURTON ITEMS WERE STOWED FOR TRAVEL.
Event	25	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	8/16/2019	17:20:00	USER					DISCUSSED ROUTES HAZARDS AND COMMUNICATION WITH CREW.
Event	26	Crew Leave Location	Crew Leave Location	8/16/2019	17:30:00	USER					THANK YOU FOR USING HALLIBURTON - THOMAS HAAS AND CREW.

ICem[®] Service

(v. 4.5.139)

Created: Friday, August 16, 2019

3.0 Attachments

3.1 905915034-Custom Results.png

