

# HALLIBURTON

iCem<sup>®</sup> 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
<b>Legal Description:</b>			
Contractor: UNKNOWN		Rig/Platform Name/Num: WORKOVER RIG	
Job BOM: 7526 7526			
Well Type: OIL			
Sales Person: HALAMERICA\H120097		Srcv Supervisor: Thomas Haas	
<b>Job</b>			

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 lbf/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

<b>Stage/Plug #: 1</b>										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbf/gal	Yield ft <sup>3</sup> /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/m <sup>3</sup> XXXX		Disp. Temperature: ## °F °C	
Plug Bumped? Yes/No	Bump Pressure: #### psi MPa		Floats Held? Yes/No	
Cement Returns: ## bbl m <sup>3</sup>	Returns Density: ## lb/gal kg/m <sup>3</sup>		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 LUPITON, 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 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.

## 3.0 Attachments

### 3.1 905915034-Custom Results.png

