

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0730							<p> CALLED OUT  LEFT CAMP  ON LOCATION  RUN FLOAT EQUIPMENT  TRUCKS ON LOCATION  SAFETY MEETING  RIG UP    HES &amp; CUSTOMER READY </p>
	0755							
	0730							
	0745							
	0845							
	1235	4	5			✓	100	PUMP CLAYFIX II #20
	1237							DROP BOTTOM 5-W PLUG
	1238	4	5			✓	100	PUMP CLAYFIX II #20
	1241							LOAD TOP 5-W PLUG
	1244	4	10			✓	125	PUMP CLAYFIX II #20
	1248	4.5	46			✓	200	MIX & PUMP CMT AT 14.5 #
	1301							SHUT DOWN
	1308							WASH PUMPS & LINES
	1304							DROP TOP PLUG
	1307	8.5	168.5			✓	750	DISPLACE W/ CLAYFIX II #50
	1328						1500	BUILD PLUG
	1330							RELEASE PRESSURE - CHECK FLOAT - OK
								JOB COMPLETE
								THANK YOU
								PAUL, JOHN & JAMES

## JOB SUMMARY 4239-1

TICKET #	989117	TICKET DATE	9-14-97
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REGION North America	NWA/COUNTRY ROCKIES	BDA / STATE CO	COUNTY WELD
MBU ID / EMP BRO101 57284	EMPLOYEE NAME PAUL NORDYKE	PSL DEPARTMENT 5001	
LOCATION BRIGHTON, CO	COMPANY DIVERSIFIED OPER. CO.	CUSTOMER REF / PHONE WILBURN MADDOX	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION E/BRIGSDALE, CO	DEPARTMENT 5001	JOB PURPOSE CODE 035	
LEASE / WELL # DOC SHOWERS 32-5-7	SEC / TWP / RNG 32 / 8N / 60W		

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
J. NORDSTROM 57289							
J. HERRERA 04348							
J. HALL 52155							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
39869	150						
53063-8406	150						
53301	150						

Form Name _____	Type: _____
Form Thickness _____	From _____ To _____
Packer Type _____	Set At _____
Bottom Hole Temp. _____	Pressure _____
Misc. Data _____	Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TIME	9-14-97 0430	9-14-97 0700	9-14-97 1235	9-14-97 1330

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar SS 5 1/2"	1	HES
Float Shoe		}
Guide Shoe REG	1	
Centralizers 5-4	7	
Bottom Plug 5-WIPER	1	
Top Plug 5-WIPER	1	
Head PC	1	
Packer		
Other		

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5 #	5 1/2"	0	7090	1500
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8"	521	7097	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS			
Treat Fluid	Density		Lb/Gal
Disp. Fluid	Density		Lb/Gal
Prop. Type	Size		Lb.
Prop. Type	Size		Lb.
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
Breaker	Gal/Lb		In
Blocking Agent		Gal/Lb	
Perpac Balls		Qty.	
Other			
Other	17	GAL	CLAYFIX II
Other			
Other			

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-14-97	6.5	9-14-97	1	CEMENT 5 1/2" CASING
TOTAL	6.5	TOTAL	1	

  

ORDERED	HYDRAULIC HORSEPOWER	
	Avail.	Used
	AVERAGE RATES IN BPM	
TREATED	Disp.	Overall
FEET	CEMENT LEFT IN PIPE	

CEMENT DATA				Reason		
STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	200	50/50 P&Z STD B	2% GEL, 10% SALT, .75% CFR-3		1.29	14.4

Circulating	125	Displacement	750	Preflush:	BBI	20	Type	CLAYFIX II
Breakdown		Maximum	1500	Load & Bkdn:	Gal - BBI		Pad:	BBI Gal
Average		Frac Gradient		Treatment	Gal - BBI		Disp:	BBI Gal 168.5
Shut In: Instant		5 Min	15 Min	Cement Slurr	Gal - BBI	46		
				Total Volume	Gal - BBI	334.5		

**THE INFORMATION STATED HEREIN IS CORRECT**

CUSTOMER'S REPRESENTATIVE SIGNATURE

REPRESENTATIVE SIGNATURE  
H.C. Moddy