

NOBLE ENERGY

**FED
5-24C**

**API Well No.:
N/A**

**6/18/2006
GARFIELD**

8 5/8" SURFACE

**Customer Representative:
JIM HOWELL 832-200-7376**

**Halliburton Operator:
MATT BUNNELL**

**Ticket No.:
4409869**

HALLIBURTON

HALLIBURTON JOB SUMMARY

REGION NORTH AMERICA		NWA / COUNTRY ROCKY MOUNTAIN		SALES ORDER NUMBER 4409869		TICKET DATE 6/18/06	
EMPLOYEE # 266585		H.E.S. EMPLOYEE NAME MATT BUNNELL		BDA / STATE COLORADO		COUNTY GARFIELD	
LOCATION GRAND JUNCTION, CO		COMPANY: NOBLE ENERGY		PSL DEPARTMENT CEMENTING SERVICES			
TICKET AMOUNT		WELL TYPE 02 GAS		CUSTOMER REP / PHONE JIM HOWELL 832-200-7376			
WELL LOCATION DE BEQUE 81630		DEPARTMENT ZONAL ISOLATION 10003		API/UWI # N/A		SAP BOMB NUMBER 7521	
LEASE NAME FED		Well No. 5-24C		SEC / TWP / RNG		Description 8 5/8" SURFACE	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Bunnell, Matthew 266585	3.0		3.0	
Brandon, Bradley 353157	3.0		3.0	
Daly, John 369668	3.0			
Jimmy King 369597	3.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10195597	120	120		
10724643 10744081	120	120		
10026549 10303648	120			
	120			

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

Date	Called Out	On Location	Job Started	Job Completed
	6/18/06	6/18/06	6/19/06	6/19/06
Time	1900	2300	0036	0123

Tools and Accessories		
Type and Size	Qty	Make
Float Collar 8 5/8"		HES
Float Shoe 8 5/8"		HES
Centralizers 8 5/8"		HES
Top Plug 8 5/8"		HES
Limit Clamp 8 5/8"		HES
DV Tool 8 5/8"		HES
Insert Float 8 5/8"		HES
Guide Shoe 8 5/8"		HES
Weld-A		HES

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24#	8 5/8"	J55	0	1,530	1,096
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4		0	1,535	Shots/Ft.
Perforations							
Perforations							
DV Tool							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	H2O	8.33	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		
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/18/06	3.00	6/19/06	1.00	SEE JOB LOG
Total	3.00	Total	1.00	

Hydraulic Horsepower		
Ordered: N/A	Available: N/A	Used: N/A
Average Rates in BPM		
Treating: N/A	Displacing: N/A	Overall: N/A
Cement Left in Pipe		
Feet: 47	Reason: CUSTOMER REQUEST	

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
LEAD	225	Rockies LT	BULK	0.125#/sk Polyflake	13.76	2.37	12.3
TAIL	180	Rockies LT	BULK	0.125#/sk Polyflake	11.79	2.11	12.8

PILOT CAR # 435-650-3281, 970-987-6022, 970-625-2900

Summary			
Circulating RIG	Displacement WATER	Total Preflush BBL: 20	Type: WATER
Breakdown	Maximum	Load & Bkdn Gal - BBI	Pad:Bbl -Gal
Lost Returns- YES	Lost Returns- NO	Excess /ReturnGal BBI	Calc.Disp. 94.3
Cmt Rtrn#Bbl 24	Actual TOC SURFACE	Calc. TOC: SURFACE	Actual Disp. 94.0
Average	Frac. Gradier	Cement Slurry: 163	Disp:Bbl BBL
Shut In: Instant	5 Min. _____ 15 Min _____	Cement Mix H2O: 124	BBLs
		Total H2O Volume 239	BBLs

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
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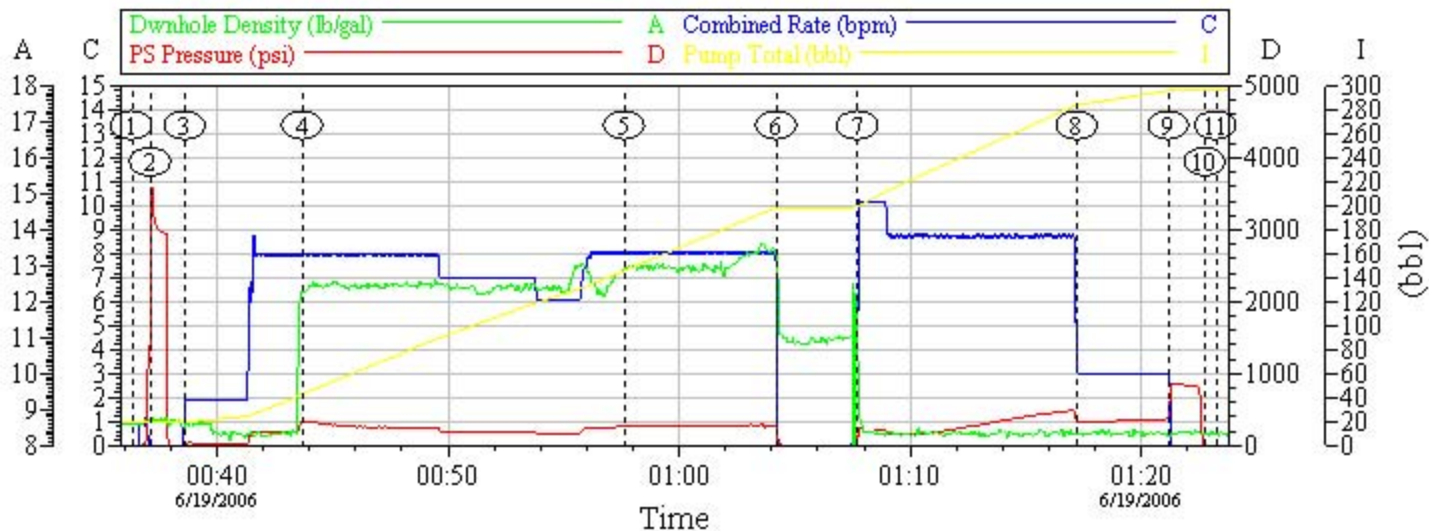
THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE

SIGNATURE



HALLIBURTON		JOB LOG				TICKET #	TICKET DATE	
REGION NORTH AMERICA LAND		NWA / COUNTRY ROCKY MOUNTAIN				BDA / STATE COLORADO	COUNTY GARFIELD	
MBU ID / EMPL # 266585		H.E.S EMPLOYEE NAME MATT BUNNELL				PSL DEPARTMENT CEMENTING SERVICES		
LOCATION GRAND JUNCTION, CO		COMPANY NOBLE ENERGY				CUSTOMER REP / PHONE JIM HOWELL 832-200-7376		
TICKET AMOUNT		WELL TYPE 02 GAS				API/UWI # N/A		
WELL LOCATION DE BEQUE 81630		DEPARTMENT ZONAL ISOLATION 10003				JOB PURPOSE CODE 7521	Description 8 5/8" SURFACE	
LEASE NAME FED		Well No. 5-24C	SEC / TWP / RNG					
Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Pmps		Press.(PSI)		Job Description / Remarks
				T	C	Tbg	Csg	
	2000							CONDUCT IN YARD SAFETY MEETING LEAVE YARD
	2300							ARRIVE ON LOCATION 06/18/06
	2305							CONDUCT LOCATION ASSESSMENT SAFETY MEETING
	2310							SPOT EQP. AND RIG UP
	0000							CONDUCT PREJOB SAFETY MEETING
	0036							START JOB
	0037				1		3000	TEST LINES
	0038	2.0	20.0		1		7	PUMP SPACER
	0043	8.0			2		335	PUMP LEAD CEMENT 225 SKS, 12.3 PPG, 2.37 YIELD
	0057	8.0	95.0		2			END LEAD CEMENT
	0057	8.0			2		268	PUMP TAIL CEMENT 180 SKS, 12.8 PPG, 2.11 YIELD
	0104	8.0	67.6		2			END TAIL CEMENT
	0104							SHUT DOWN/ DROP TOP PLUG
	0107	10.0			2		129	PUMP DISPLACEMENT
	0117	2.0	84.0		1		325	SLOW RATE
	0121	2.0	94.0		1		850	BUMP PLUG
	0122							CHECK FLOATS
	0123							END JOB
								GOOD CIRCULATION
								NO PIPE MOVEMENT
								USED CO REPS PLUG
								24 BBLs OF CEMENT TO SURFACE
								THANK YOU FOR USING HALLIBURTON
								MATT BUNNELL, BRAD BRANDON, AND CREW
								GRAND JUNCTION CEMENT TEAM
								"ISOLATING THE ROCKIES"

8 5/8 SURFACE



Event Log

① Start Job	00:36:19	② Test Lines	00:37:08
③ PUMP SPACER	00:38:38	④ PUMP LEAD CEMENT	00:43:43
⑤ PUMP TAIL CEMENT	00:57:38	⑥ SHUT DOWN/DROP TOP PLUG	01:04:13
⑦ PUMP DISPLACEMENT	01:07:44	⑧ SLOW RATE	01:17:15
⑨ BUMP PLUG	01:21:12	⑩ CHECK FLOATS	01:22:47
⑪ END JOB	01:23:14		

Customer: NOBLE
 SERVICE SUPERVISOR: MATT BOWWELL
 LEASE: RED

Job Date: 6-19-06
 REAL TIME: YES
 WELL NUMBER: 5-24C

Inch#: 4409649
 ADC: YES
 CO REP: JIM BOWWELL

CemWin v1.7.0
 19-Jun-06 01:37