



JOB SUMMARY



01122489

REGION North America	NWA/COUNTRY Rocky MT	TICKET # 345826	TICKET DATE 1-22-98
MBU ID / EMP # BR 102 39905	EMPLOYEE NAME PATTON	BDA / STATE CO	COUNTY WELD
LOCATION 55410	COMPANY HSR RESOURCES	PSL DEPARTMENT CMT	
TICKET AMOUNT 11435.54	WELL TYPE 02	CUSTOMER REP / PHONE JOE SCHNEIDER	
WELL LOCATION 11435.54	DEPARTMENT CMT	API / UWI # 05 123 19521	
LEASE / WELL # 13-21	SEC / TWP / RNG 20 EN 67W	JOB PURPOSE CODE 035	

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
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PATTON 39905 8			
MANNING 1735 3			
WARNER 56335 3			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
93123	30						
53067 846	30						
53301	30						

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

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar	clamp 4 1/2	HES
Float Shoe	1	
Guide Shoe	1	
Centralizers	5-4	
Bottom Plug	1	
Top Plug	1	
Head	1	
Packer	1	
Other	WELD A	

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	
Perfpac Balls	Qty.	
Other	1000 gals mud Flush	
Other	14 gals clafix II	

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
1-22-98	0200	1-22-98	0500	1-22-98	1105
					1145

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	11.6	4 1/2	0	7172 2000
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole			778	407	7196 SHOTS/FT.
Perforations					
Perforations					
Perforations					

HOURS ON LOCATION	OPERATING HOURS	DESCRIPTION OF JOB		
DATE	HOURS	DATE	HOURS	
1-22	8	1-22	1	4 1/2 PROP
TOTAL	8	TOTAL	1	

ORDERED	HYDRAULIC HORSEPOWER	Used
TREATED	Avail.	AVERAGE RATES IN BPM
FEET	Disp.	9 Overall
	CEMENT LEFT IN PIPE	Reason
		Baffle

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	150	Premium	B	18% SALT 35% SSA-1 8% HALLABO 322.10/1115	1.62	15.8

Circulating Breakdown	300	Displacement	0-2000	Preflush:	Gal - BBI	24-24	Type	NE CMF, H2O
Average		Maximum	2000	Load & Bkdn:	Gal - BBI		Pad:	BBI - Gal
Shut In: Instant		Frac Gradient		Treatment	Gal - BBI		Disp:	BBI - Gal
		5 Min	15 Min	Cement Slurr	Gal - BBI	43		
				Total Volume	Gal - BBI	302		

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

CUSTOMER'S REPRESENTATIVE SIGNATURE

TICKET #

TICKET DATE

REGION	North America	NWA/COUNTRY	BDA / STATE	COUNTY
MBU ID / EMP #		EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION		COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT		WELL TYPE	API / UWI #	
WELL LOCATION		DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #		SEC / TWP / RNG		

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

[illegible]

Thank you