		JOE SUMMARY		SAP #/TICKET # 3333	TICKET DATE 12/18/00
REGION NORTH AMERICA LAND		MNA / COUNTRY ROCKIES USA		ABA / STATE DENVER, CO	COUNTY LAS ANIMAS
MBL ID / EMPL # BR 102 121869		H.E.S. EMPLOYEE NAME MANNING		PSL DEPARTMENT ZONAL ISOLATION	
LOCATION Brighton, CO		COMPANY BARRETT RESOURCES		CUSTOMER REP / PHONE GREGG CLEARLY	
TICKET AMOUNT 		WELL TYPE 02		API/UVI # 	
WELL LOCATION S.W. SEGUNDO		DEPARTMENT CEMENTING SERVICES 10003		SAP BOMB NUMBER 7526	Description SQUEEZE
LEASE NAME HILL RANCH 34-16 V		Well No. 	SEC / TWP / RING 		



H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
MANNING 121869	2.5			
E.PETERSON 213272	2.5			
B.PETERSON 209091	2.5			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
420848	60			
53472	60			
53301	60			

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
	12/18/00	12/18/00	12/18/00	12/18/00
Time	0500	0800	0825	0850

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
Packer		
DV Tool		
Other		
Other		
Other		

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing	U	15.5	5 1/2		0	2,356
Liner						
Liner						
Tubing	U		1 IN		0	610
Drill Pipe						
Open Hole						
Perforations					0	2,356
Perforations						
Perforations						

Materials			
Mud Type	Density	Lb/Gal	
Disp. Fluid	H2O	8.33	
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	3	10
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/18	2.5	12/18	0.5	See Job Log
Total	2.5	Total	0.5	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	3	3
Feet		

Cement Data						
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield
1	93	MIDCON 2	BULK	3% CACL2.5#/SK GILSONITE, .25#/SK FLOCELE	11.76	2.18

Summary						
Circulating	Displacement	Preflush:	Gal - BBI	1	Type:	H2O
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	0	Pad:Bbl -Gal	
Lost Returns-YES	Lost Returns-NO	Excess /Return	Gal BBI		Calc.Disp Bbl	0.5
Cmt Rtm#Bbl	Actual TOC	Calc. TOC:			Actual Disp.	0.5
Average	Frac. Gradient	Treatment:	Gal - BBI		Disp:Bbl-Gal	0.5
Shut In: Instant	5 Min.	Cement Slurry	Gal - BBI	36		
	15 Min.	Total Volume	Gal - BBI	37		

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

BEST IMAGE
 AVAILABLE




Job Log

TICKET #	333359	TICKET DATE	12/18/00
BDA / STATE	DENVER, CO	COUNTY	LAS ANIMAS
PSL DEPARTMENT	ZONAL ISOLATION		
CUSTOMER REP / PHONE	GREGG CLEARLY		
API/UWI #			
JOB PURPOSE CODE	7526		

REGION	NORTH AMERICA LAND	NWA / COUNTRY	ROCKIES USA
MBU ID / EMPL #	BR 102 121869	H.E.S. EMPLOYEE NAME	MANNING
LOCATION	Brighton, CO	COMPANY	BARRETT RESOURCES
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	S.W. SEGUNDO	DEPARTMENT	CEMENTING SERVICES 10003
LEASE / WELL #	HILL RANCH 34-16 V	SEC / TWP / RNG	

Chart No.	Time	Rate (SPN)	Volume (GAL)	Pmps		Press. (PSI)		Job Description / Remarks
				T	C	Tag	Cog	
	0500							CALLED OUT
	0800							ON LOCATION
	0815							SAFETY MEETING
	0820							SET UP
	0826	1.0	1.0			200		PUMP WATER
	0832	1.0	36.0			200		PUMP CMT @ 12.5#
	0849	1.0	0.5			200		PUMP DISPLACEMENT
	0850							END JOB
								THANK YOU

		<h1>JOE SUMMARY</h1>		SAP #/TICKET # 3333	TICKET DATE 12/13/00
REGION NORTH AMERICA LAND		NMA / COUNTRY ROCKIES USA		BDA / STATE DENVER, CO	COUNTY LAS ANIMAS
MBU ID / EMPL # BR 102 121869		H.E.S. EMPLOYEE NAME MANNING		PSL DEPARTMENT ZONAL ISOLATION	
LOCATION Brighton, CO		COMPANY BARRETT RESOURCES		CUSTOMER REP / PHONE GREGG CLEARLY	
TICKET AMOUNT		WELL TYPE 02		API/UWI #	SAP BOMB NUMBER 7526
WELL LOCATION S.W. SEGUNDO		DEPARTMENT CEMENTING SERVICES 10003		Description SQUEEZE	
LEASE NAME HILL RANCH 34-16 V		Well No.		SEC / TWP / RNG	

H.E.S. EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
MANNING 121869	4.5			
E.PETERSON 213272	4.5			
S.OWENS 106125	4.5			

H.E.S. UNIT #S (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
420848	60			
53472	60			
53063-5743	60			

Form. Name	Type:	Date	Called Out	On Location	Job Started	Job Completed
Form. Thickness	From To	12/13/00	12/13/00	12/13/00	12/13/00	12/13/00
Packer Type	Set At	Time	0630	0900	1048	1245
Bottom Hole Temp.	Pressure					
Retainer Depth	Total Depth					

Tools and Accessories			Well Data				
Type and Size	Qty	Make	New/Used	Weight	Size	Grade	From To
Float Collar			U	15.5	5 1/2		0 2,356
Float Shoe							
Centralizers							
Top Plug							
Packer							
DV Tool							
Other							
Other							
Other							

Materials					Hours On Location		Operating Hours		Observations of Job	
Mud Type	Density			Lb/Gal	Date	Hours	Date	Hours	See Job Log	
Disp. Fluid	H2O	Density	8.33	Lb/Gal	12/13	4.5	12/13	2.0		
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	3	In	10						
Fric. Red.	Gal/Lb		In							
Breaker	Gal/Lb		In		Total	4.5	Total	2.0		

Hydraulic Horsepower			
Ordered	Avail.	Used	
Treating	3	3	Overall 3
Cement Left in Pipe			
Feet	Reason		

Cement Data					W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Bulk/Sks	Additives			
1	245	MIDCON 2	BULK	3% CACL2, 5#/SK GILSONITE, .25#/SK FLOCELE	11.76	2.18	12.5

Summary							
Circulating	Displacement	Preflush:	Gal - BBI	25,26	Type:	H2O	
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	0	Pad:Bbl -Gal		
Lost Returns-YES	Lost Returns-NO	Excess /Return	Gal BBI		Calc.Disp Bbl	56	
Cmt Rtn#Bbl	Actual TOC	Calc. TOC:			Actual Disp.	56	
Average	Frac. Gradient	Treatment:	Gal - BBI		Disp:Bbl-Gal	56	
Shut In: Instant	5 Min.	Cement Slurry	Gal - BBI	95			
	15 Min.	Total Volume	Gal - BBI	202			

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

BEST IMAGE AVAILABLE

JOE SUMMARY		SAP #/TICKET # 33335	TICKET DATE 12/06/00
REGION NORTH AMERICA LAND	NMA / COUNTRY ROCKIES USA	BDA / STATE DENVER, CO	COUNTY LAS ANIMAS
MBU ID / EMPL # BR 102 121869	H.E.S. EMPLOYEE NAME MANNING	PSL DEPARTMENT ZONAL ISOLATION	
LOCATION Brighton, CO	COMPANY BARRETT RESOURCES	CUSTOMER REP / PHONE GREGG CLEARLY	
TICKET AMOUNT	WELL TYPE 02	APIUM # 05-071-07105-00	
WELL LOCATION S.W. SEGUNDO	DEPARTMENT CEMENTING SERVICES 10003	SAP BOMB NUMBER 7523	Description 5.5 PRODUCTION
LEASE NAME HILL RANCH	Well No. 34-16 V	SEC / TWP / RING 34-34S-67W	

H.E.S. EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
MANNING 121869	5.5			
OWENS 106125	5.5			
E. PETERSON 213272	5.5			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
420848	60			
53472	60			
53063-5743	60			

Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth 295'

Date	Called Out	On Location	Job Started	Job Completed
	12/6/00	12/6/00	12/6/00	12/6/00
Time	0600	1000	1215	1444

Type and Size	Qty	Make
Float Collar		
Float Shoe V.S. 5.5		HES
Centralizers S-4 5.5		HES
Top Plug 5W 5.5		HES
Packer		
DV Tool		
Other 5.5 FLT VLVE		HES
Other 5.5 BSKT		HES
Other		

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	15.5	5 1/2		0	2,480	3,000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole					220	2,480	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	Density	Lb/Gal	
Disp. Fluid	H2O	Density 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	LGC-8	Gal/Lb 5	In 20
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perfpac Balls	Qty.		
Other			
Other 1# RED DYE			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/5	5.5	12/6	3.0	See Job Log
				5.5 PRODUCTION
Total	5.5	Total	3.0	

Hydraulic Horsepower			
Ordered	Avail.	Used	
Average Rates in BPM			
Treating	3	Disp.	3 Overall 3
Cement Left in Pipe			
Feet	Reason		

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	400	MIDCON 2	BULK	3% CACL2, 5#/SK GILSONITE, .25#/SK FLOCELE	11.76	2.18	12.5

Summary							
Circulating	Displacement	Preflush:	Gal - BBI	150,15	Type:	GEL/DYE, H2O	
Breakdown	Maximum	Load & Bkdn:	Gal - BBI		Pad:Bbl -Gal		
Lost Returns-YES	Lost Returns-NO	Excess /Return	Gal BBI		Calc.Disp Bbl	59	
Cmt Rtm#Bbl	Actual TOC	Calc. TOC:			Actual Disp.	59	
Average	Frac. Gradient	Treatment:	Gal - BBI		Disp:Bbl-Gal	59	
Shut In: Instant	5 Min.	Cement Slurry	Gal - BBI	154			
		Total Volume	Gal - BBI	378			

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE _____

BEST IMAGE
AVAILABLE