

The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 2666590	Quote #:	Sales Order #: 6146143
Customer: CHEVRON - MID-CONTINENT EBIZ		Customer Rep: Morgan, Randy	
Well Name: SKR	Well #: 598-36-AV-05	API/UWI #: 05-045-16287	
Field: SKINNER RIDGE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.573 deg. OR N 39 deg. 34 min. 21.367 secs.		Long: W 108.34 deg. OR W -109 deg. 39 min. 35.42 secs.	
Contractor: H&P 318		Rig/Platform Name/Num: H&P 318	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HARTLEY, RICHARD		Srvc Supervisor: CRONKHITE, KENT	MBU ID Emp #: 336769

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CRONKHITE, KENT Alan	9.0	336769	CUSTER, JASON Richard	9.0	414714	MAIN, CHAD R	9.0	335770
WHITE, EDWARD W	9.0	424173						

Equipment

HES Unit #	Distance-1 way						
10240238C	120 mile	10565341	120 mile	10719777	120 mile	10744648C	120 mile
10998508	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09/03/08	9.5	6.0						

TOTAL *Total is the sum of each column separately*

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	02 - Sep - 2008	21:00 MST
Form Type BHST	On Location	03 - Sep - 2008	00:05 MST
Job depth MD 6520. ft Job Depth TVD 6520. ft	Job Started	03 - Sep - 2008	05:07 MST
Water Depth Wk Ht Above Floor 3. ft	Job Completed	03 - Sep - 2008	07:04 MST
Perforation Depth (MD) From To	Departed Loc	03 - Sep - 2008	09:30 MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
7 7/8 Open Hole Section				7.875				1255.	6300.		
4.5 Production Casing	Unknown		4.5	4.	11.6			.	6300.		
8.625 Surface Casing	Unknown		8.625	8.097	24.			.	1255.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 4 1/2, HWE, 3.65 MIN/4.14 MA	1	EA		
ADC (AUTO DENSITY CTRL) SYS, /JOB, ZI	1	JOB		
PORT. DAS W/CEMWIN; ACQUIRE W/HES, ZI	1	JOB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials												
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty	Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size	Qty	
Fluid Data												
Stage/Plug #: 1												
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Dyed Spacer				20.0	bbl	8.33	.0	.0	.0		
2	Lead Cement	VARICEM (TM) CEMENT (452009)			431.0	sacks	12.8	1.55	7.15			
3	Tail Cement	VARICEM (TM) CEMENT (452009)			663.0	sacks	13.2	1.43	6.19			
4	KCL Displacement					bbl	.	.0	.0	.0		
Calculated Values			Pressures			Volumes						
Displacement	99.9	Shut In: Instant			Lost Returns	0	Cement Slurry	287.7	Pad			
Top Of Cement	SURFACE	5 Min			Cement Returns	0	Actual Displacement	105	Treatment			
Frac Gradient		15 Min			Spacers	40	Load and Breakdown		Total Job			
Rates												
Circulating	4	Mixing			6	Displacement	8	Avg. Job		6		
Cement Left In Pipe	Amount	48.41 ft	Reason	Shoe Joint								
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID					
The Information Stated Herein Is Correct				Customer Representative Signature								

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Well Type: Development Well		Job Type: Cement Production Casing	
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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/02/2008 21:00							9/2/08
Depart Yard Safety Meeting	09/02/2008 22:30							
Crew Leave Yard	09/02/2008 22:40							
Arrive At Loc	09/03/2008 00:05							9/3/08
Assessment Of Location Safety Meeting	09/03/2008 00:10							
Pre-Rig Up Safety Meeting	09/03/2008 00:15							
Rig-Up Equipment	09/03/2008 00:30							
Pre-Job Safety Meeting	09/03/2008 04:30							CUSTOMER WANTED HES ON LOCATION AT 0300 HES ARRIVED EARLY BUT DID NOT START CHARGING TIME UNTIL 0300
Rig-Up Completed	09/03/2008 05:00							RIG CIRCULATED ON WELL FOR 1 HR PIPE WAS NOT MOVED DURING CEMENT JOB
Start Job	09/03/2008 05:07							TD 6520' TP 6500' SHOE 48.41' SURFACE CSG 1258'
Test Lines	09/03/2008 05:10						4000.0	
Pump Spacer 2	09/03/2008 05:12		2	20				DYE AND POLYFLAKE 10LBS
Pump Spacer 1	09/03/2008 05:18		4	30				H2O
Pump Lead Cement	09/03/2008 05:25		6	118.9				431 SKS 12.8 PPG 1.55 FT3/SK 7.15GAL/SK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	09/03/2008 05:46		6	168.8				663 SKS 13.2 PPG 1.43 FT3/SK 6.19 GAL/SK SLOW RATE DUE TO AIR LINE BLOWING OFF
Shutdown	09/03/2008 06:27							
Clean Lines	09/03/2008 06:29			20				
Drop Plug	09/03/2008 06:34							
Pump Displacement	09/03/2008 06:37		8					DISPLACED WITH KCL
Slow Rate	09/03/2008 06:48		2.5					HES BROUGHT 40BBLs OF SPACER TO SURFACE BUT NO CEMENT
Bump Plug	09/03/2008 07:02		2.5	105				BUMP PLUG 5 BBLs OVER CALCULATED DISPLACEMENT CALCULATED DISPLACEMENT WAS 99.9 BBLs
Check Floats	09/03/2008 07:03							CHECKED FLOATS FLOATS HELD
End Job	09/03/2008 07:04							
Pre-Rig Down Safety Meeting	09/03/2008 07:10							
Rig-Down Equipment	09/03/2008 07:20							