

API Well No.:
SKR 698-04-AV-09

Customer Representative:
CHAD KAVANDER
Halliburton Operator:
KERRY KING
Ticket No.:
6344559

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 2695763	Quote #:	Sales Order #: 6344559
Customer: CHEVRON - MID-CONTINENT EBIZ		Customer Rep: CHAD KAVANDER	
Well Name: SKR	Well #: 698-04-AV-09	API/UWI #:	
Field: SKINNER RIDGE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: CHEVRON	Rig/Platform Name/Num: H&P 318		
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: DUNNING, DUSTIN		Srvc Supervisor: KING, KERRY	MBU ID Emp #: 342363

Job Personnel								
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KING, KERRY Sherman		342363	MILLER, KEVIN Paul		443040	SMITH, CHRISTOPHER Scott		452619
WORTHAM- COLLINS, JOSHUA Ross		452648	YOUNG, JEREMY R		418013			

Equipment							
HES Unit #	Distance-1 way						
10025121	120 mile	10243540C	120 mile	10001796	120 mile	10829464	120 mile
10988964	120 mile	11057896	120 mile	6334	120 mile		

Job Hours								
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-20-08	8	5	12-21-08	3.5	3.5			
TOTAL			<i>Total is the sum of each column separately</i>					

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	20 - Dec - 2008	11:45	MST
Form Type		BHST		Job Started	21 - Dec - 2008	00:30	MST
Job depth MD	7557. ft	Job Depth TVD	7557. ft	Job Completed	21 - Dec - 2008	01:58	MST
Water Depth		Wk Ht Above Floor	4. ft	Departed Loc	21 - Dec - 2008	03:15	MST
Perforation Depth (MD)	From	To					

Well Data											
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
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									

Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	4.5	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	4.5	1	HES
Stage Tool										Centralizers	4.5	50	????

Miscellaneous Materials									
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%	Treatment Fld	Conc
		Inhibitor	Conc	Sand Type	Size	Conc	Qty		

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Dyed Polyflake Spacer	FRESH WATER	40	bbl	8.33	.0	.0	.0	
2	Lead Cement	VARICEM (TM) CEMENT (452009)	310	sacks	12.8	1.55	7.15		7.67
		7.674 Gal FRESH WATER							
3	Tail Cement	VARICEM (TM) CEMENT (452009)	915	sacks	13.2	1.43	6.19		7.0
4	KCL DISPLACEMENT		117	bbl	8.4	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	48 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					

The Road to Excellence Starts with Safety

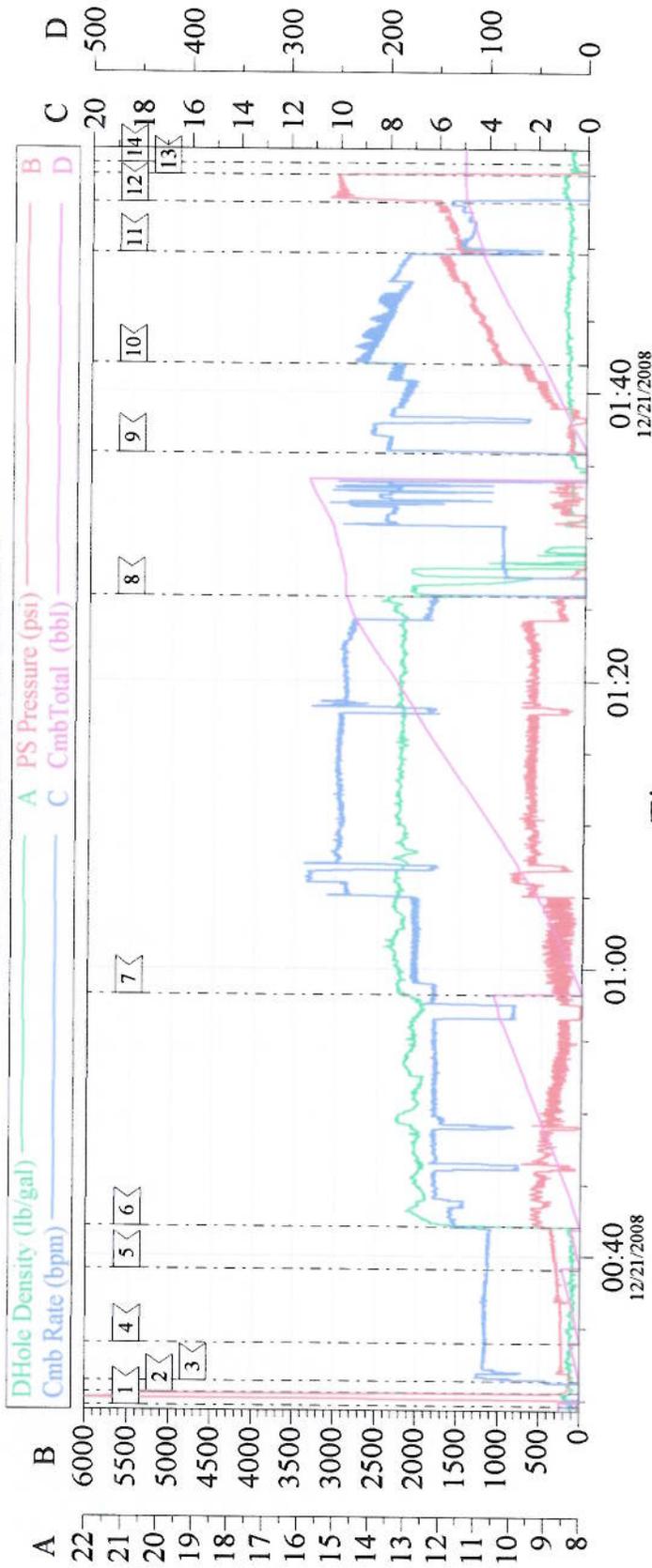
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Field: SKINNER RIDGE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: CHEVRON		Rig/Platform Name/Num: H&P 318	
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: DUNNING, DUSTIN		Srvc Supervisor: KING, KERRY	MBU ID Emp #: 342363

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	12/20/2008 11:45							CREW WAS 2 HRS EARLY TO LOCATION. LEFT YARD WITH EXTRA TIME DUE TO BAD ROAD CONDITIONS. RIG WAS RUNNING CASING WHEN CREW ARRIVED TO LOCATION.
Assessment Of Location Safety Meeting	12/20/2008 12:00							TP 7557, TD 7585, 48FT SHOE JOINT. 4 1/2" 11.6 #/FT CASING. 7 7/8" HOLE. 50 CENTRALIZERS USED ON CASING STRING. 10.2PPG MUD WIEGHT.
Start Job	12/21/2008 00:30							SPILL CONTAINMENT BARRIERS BROUGHT TO LOCATION AND DEPLOYED UNDER PUMP TRUCK. IRON TRAILER USED ON JOB ALSO.
Test Lines	12/21/2008 00:32						6000. 0	WHEN LINES WERE FILLED PRIOR TO PRESSURE TESTING, THE PLUG CONTIANER WAS LEAKING. ANOTHER HEAD WAS BROUGHT OUT. IT LEAKED ALSO. RIG HANDS PUT ON ANOTHER CASING COLLAR.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer	12/21/2008 00:33		4	40			150.0	THEN HEAD WAS TRIED AGAIN. STILL LEAKED. ANOTHER HEAD WAS BROUGHT OUT, THIS ONE LEAKED TOO. SWEDGE WAS INSTALLED INTO PIPE, WHEN WATER WAS PUMPED IT WAS DETERMINED THAT CASING COLLAR WASN'T TIGHT. FRESH WATER WITH RED DYE AND 10#'S POLYFLAKE
Pump Lead Cement	12/21/2008 00:42		7	90			250.0	PLUG CONTAINER WAS REINSTALLED AND JOB WAS PUMPED. THE FIRST CASING COLLAR WAS VISIBLY DAMAGED, THE 2ND WASN'T TIGHT ENOUGH. HES HEADS WERE FULLY OPERATIONAL. 310 SKS @ 12.8PPG, 1.55 YLD, 7.15 GAL/SK
Pump Tail Cement	12/21/2008 00:58		10	240			700.0	915 SKS @ 13.2PPG, 1.43 YLD, 6.19 GAL/SK
Shutdown	12/21/2008 01:26							WASH PUMPS AND LINES TO PIT.
Drop Plug	12/21/2008 01:36							PLUG LAUNCHED
Pump Displacement	12/21/2008 01:36		10				1300.0	FRESH WATER WITH 75 LBS OF KCL PER 10 BBL TANK
Bump Plug	12/21/2008 01:55		4	117			3000.0	SLOW RATE 10 BBLS PRIOR TO REACHING CALCULATED DISPLACEMENT. PRESSURED 1000PSI OVER LANDING PSI AT CHEVRONS DIRECTION.
Check Floats	12/21/2008 01:57							FLOAT HOLDING. GOOD RETURNS DURING JOB

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	12/21/2008 01:58							THANK YOU, KERRY KING AND CREW.
Pre-Job Safety Meeting	12/21/2008 23:45							WELL WAS CIRCULATED FOR 7 HR PRIOR TO CEMENTING. PIPE WAS NOT RECIPROCATED DURING CIRCULATION OR CEMENTING.

4 1/2" PRODUCTION



Event Log	
1	START JOB
2	TEST LINES
3	PUMP SPACER 1
4	PUMP POLYFLAKE SPACER
5	PUMP SPACE 2
6	LEAD CEMENT
7	TAIL CEMENT
8	SHUT DOWN, WASH LINES
9	DROP PLUG, START DISPLACEMENT
10	INCREASE RATE
11	SLOW RATE
12	BUMP PLUG
13	CHECK FLOAT
14	END JOB

Customer:	CHEVRON	Job Date:	12-21-08	Ticket #:	6344559
OPERATOR	KEVIN MILLER	CEMENTER	KERRY KING	ADC YES/NO	NO
PUMP TRUCK	TC-4 #2	WELL/ LEASE	SKR 698-04-AV-09	CO REP:	CHAD KAVANDER