
CHEVRON - MID-CONTINENT EBIZ

**SKR 598-08-BV-03
SKINNER RIDGE
Garfield County , Colorado**

Cement Surface Casing
25-Sep-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 3097911	Quote #:	Sales Order #: 900768210
Customer: CHEVRON - MID-CONTINENT EBIZ		Customer Rep: Geiser, Greg	
Well Name: SKR		Well #: 598-08-BV-03	API/UWI #: 05-045-22096
Field: SKINNER RIDGE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.622 deg. OR N 39 deg. 37 min. 18.019 secs.		Long: W 108.414 deg. OR W -109 deg. 35 min. 8.992 secs.	
Contractor: Ensign		Rig/Platform Name/Num: Ensign 122	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HIMES, JEFFREY		Srvc Supervisor: REEVES, BRANDON	MBU ID Emp #: 287883

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	10.0	456683	LYNGSTAD, FREDRICK D	10.0	403742	REEVES, BRANDON W	10.0	287883
ROMKEE, DALE Alan	10.0	488215						

Equipment

HES Unit #	Distance-1 way						
10616651C	120 mile	10784064	120 mile	10867094	120 mile	10897925	120 mile
11006314	120 mile	11583932	120 mile	11808827	120 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09/25/2013	10	2						
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
					25 - Sep - 2013	00:00	MST
Form Type			BHST	On Location	25 - Sep - 2013	03:40	MST
Job depth MD	1009.2 ft		Job Depth TVD	Job Started	25 - Sep - 2013	12:19	MST
Water Depth			Wk Ht Above Floor	Job Completed	25 - Sep - 2013	13:26	MST
Perforation Depth (MD)	From		To	Departed Loc	25 - Sep - 2013	00:00	MST

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
CMT CASING EQUIPMENT BOM	1	JOB		
SHOE,FLT,8-5/8 8 RD,2-3/4 SUPER SEAL	1	EA		
CLR,FLT,8-5/8 8RD 24-44PPF,2-3/4SSII	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	13	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		
KIT,HALL WELD-A	2	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8 5/8"	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	8 5/8"	1	
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	Water Spacer with Dye				30.00	bbl	8.34	.0	.0	4.0		
	0.0625 lbm/bbl	RHODAMINE RED LIQUID DYE # 2 (101201084)										
	1 lbm/bbl	POLY-E-FLAKE (101216940)										
2	VariCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)			193.0	sacks	12.3	2.38	13.75	6.0	13.75	
	13.75 Gal	FRESH WATER										
3	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)			215.0	sacks	12.8	2.11	11.75	6.0	11.75	
	11.75 Gal	FRESH WATER										
4	Displacement				61.00	bbl	.	.0	.0	6.0		
		FRESH WATER										
Calculated Values			Pressures			Volumes						
Displacement	61.5	Shut In: Instant			Lost Returns	NO	Cement Slurry		162.6	Pad		
Top Of Cement	SURFACE	5 Min			Cement Returns	60	Actual Displacement		61	Treatment		
Frac Gradient		15 Min			Spacers	30	Load and Breakdown			Total Job		
Rates												
Circulating		Mixing		6	Displacement	6	Avg. Job		6			
Cement Left In Pipe		Amount	41.89 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

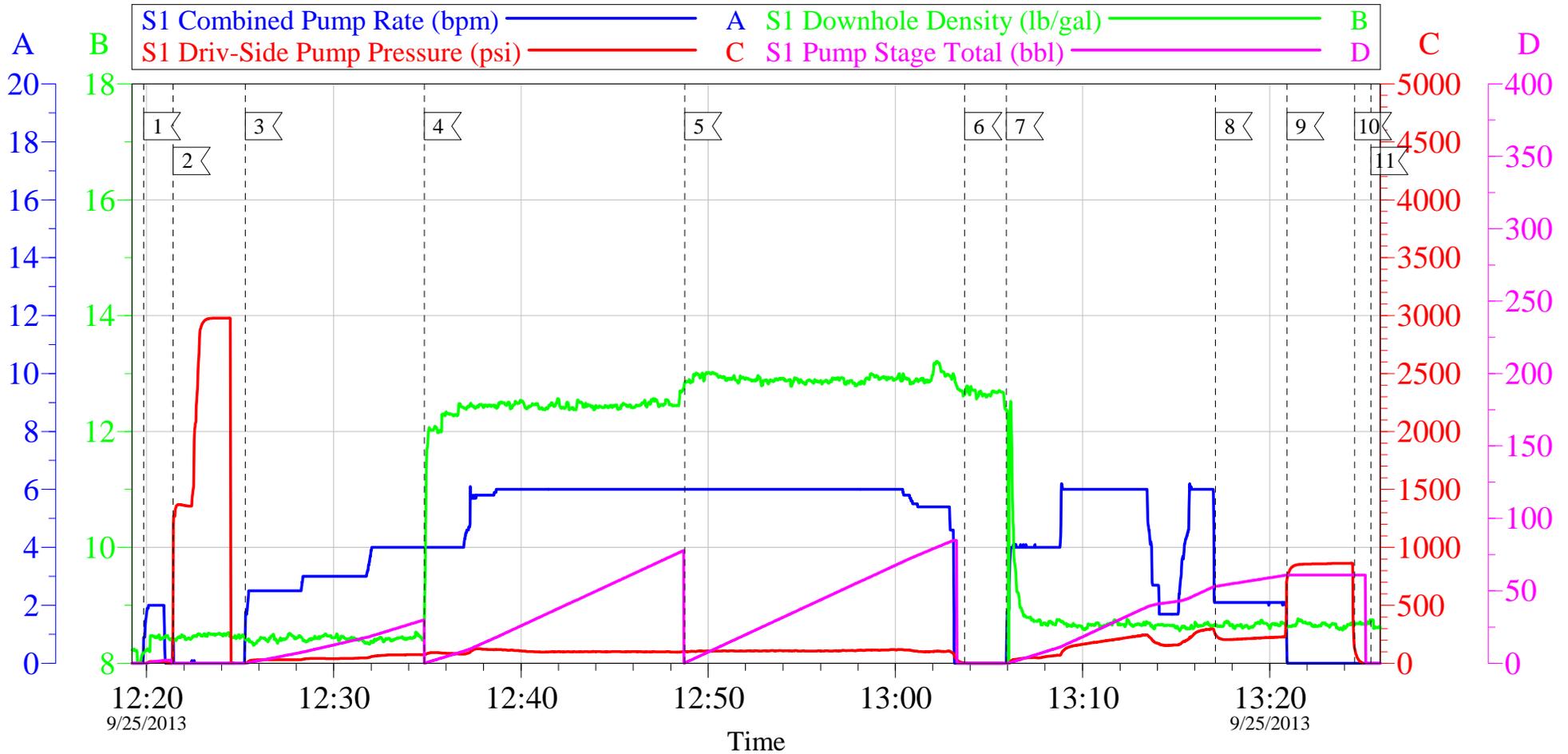
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Field: SKINNER RIDGE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: Ensign		Rig/Platform Name/Num: Ensign 122	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HIMES, JEFFREY		Srvc Supervisor: REEVES, BRANDON	MBU ID Emp #: 287883

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/25/2013 00:00							
Depart from Service Center or Other Site	09/25/2013 02:15							
Arrive At Loc	09/25/2013 03:40							REQUESTED ON LOCATION TIME WAS 04:00
Assessment Of Location Safety Meeting	09/25/2013 10:30							
Other	09/25/2013 11:00							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	09/25/2013 11:10							
Rig-Up Equipment	09/25/2013 11:20							
Pre-Job Safety Meeting	09/25/2013 12:00							
Start Job	09/25/2013 12:19							TD-1020' TP-1009' SJ-41.89' MW-9.1 PPG. HOLE-12 1/4" CASING-8 5/8" 24 PPF. J-55
Test Lines	09/25/2013 12:21					2990.0		
Pump Spacer 1	09/25/2013 12:25		4	30			100.0	FRESH WATER SPACER WITH RED DYE AND POLY FLAKE
Pump Lead Cement	09/25/2013 12:34		6	81.8			140.0	193 SKS. @ 12.3 PPG. 2.38 YIELD 13.75 GAL/SK.
Pump Tail Cement	09/25/2013 12:48		6	80.8			135.0	215 SKS. @ 12.8 PPG. 2.11 YIELD 11.75 GAL/SK
Drop Top Plug	09/25/2013 13:03							
Pump Displacement	09/25/2013 13:06		6				315.0	FRESH WATER DISPLACEMENT.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	09/25/2013 13:16		2	51			220.0	SLOW RATE TO LAND THE PLUG.
Bump Plug	09/25/2013 13:20		2	61			240.0	PLUG LANDED AT 240 PSI. PRESSURED UP TO 860 PSI.
Check Floats	09/25/2013 13:25							FLOATS HELD. .5 BBL. BACK TO THE CEMENT PUMP.
End Job	09/25/2013 13:26							THE WELL WAS CIRCULATED BEFORE STARTING THE JOB. GOOD CIRCULATION THROUGHOUT THE JOB. THE PIPE WAS NOT RECIPROCATED. CIRCULATED 60 BBLS. OF CEMENT TO SURFACE.
Comment	09/25/2013 13:27							THANK YOU FOR USING HALLIBURTON CEMENTING. BRANDON REEVES AND CREW.
Comment	09/25/2013 13:38							TOPOUT CEMENT, TON MILES AND CUBIC FEET FOR THE TOPOUT CEMENT WERE TAKEN OFF OF THE TICKET.

CHEVRON SKINNER RIDGE 598-08-BV-03

8 5/8" SURFACE

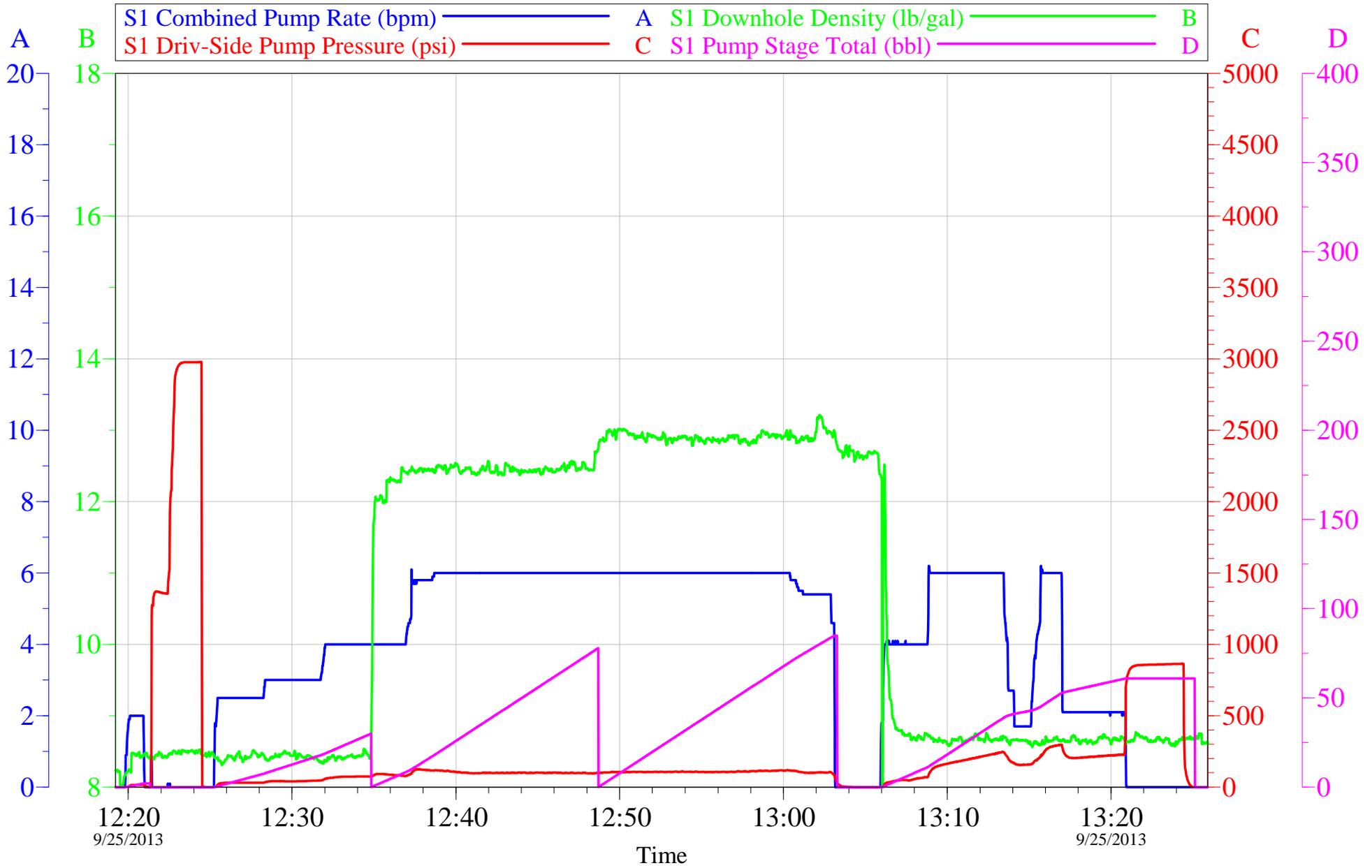


Local Event Log					
Intersection	Time	SDPP	Intersection	Time	SDPP
1	START JOB	12:19:50 -8.696	2	TEST LINES	12:21:25 1041
4	PUMP LEAD CEMENT	12:34:50 75.30	5	PUMP TAIL CEMENT	12:48:45 99.30
7	PUMP DISPLACEMENT	13:05:56 -3.916	8	SLOW RATE	13:17:06 250.4
10	CHECK FLOATS	13:24:32 128.6	11	END JOB	13:25:24 -8.696
3	PUMP H2O SPACER	12:25:16 -0.696	6	DROP TOP PLUG	13:03:43 3.304
			9	LAND PLUG	13:20:55 710.6

Customer: CHEVRON	Job Date: 25-Sep-2013	Sales Order #: 900768210
Well Description: SKINNER RIDGE 598-08-BV-03	Job Type: 8 5/8" SURFACE	ADC Used: YES
Supervisor: BRANDON REEVES	Compant Rep: GREG GEISER	Elite/Operator: 4/ADAM ANDERSON

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8 5/8" SURFACE



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Supervisor: BRANDON REEVES	Compant Rep: GREG GEISER	Elite/Operator: 4/ADAM ANDERSON

Sales Order #: 900768210	Line Item: 10	Survey Conducted Date: 9/25/2013
Customer: CHEVRON - MID-CONTINENT EBIZ		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: GREG GEISER		API / UWI: (leave blank if unknown) 05-045-22096
Well Name: SKR		Well Number: 598-08-BV-03
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	9/25/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	BRANDON REEVES (HBT9414)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	GREG GEISER
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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Customer Representative: GREG GEISER		API / UWI: (leave blank if unknown) 05-045-22096
Well Name: SKR		Well Number: 598-08-BV-03
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/25/2013
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	2
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 900768210	Line Item: 10	Survey Conducted Date: 9/25/2013
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Customer Representative: GREG GEISER		API / UWI: (leave blank if unknown) 05-045-22096
Well Name: SKR		Well Number: 598-08-BV-03
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	95
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0