

**WILLIAMS PRODUCTION RMT INC - EBUS
DO NOT MAIL - PO BOX 21218
TULSA, Oklahoma**

SG 42-27

H&P 278

Post Job Summary **Cement Surface Casing**

Prepared for: SCOTT GEARY
Date Prepared: 11/2/2011
Version: 1

Service Supervisor: JAMISON, PRICE

Submitted by:

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2884421	Quote #:	Sales Order #: 8544600
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: Geary, Scott		
Well Name: SG	Well #: 42-27	API/UWI #: 05-045-20657	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.408 deg. OR N 39 deg. 24 min. 28.699 secs.	Long: W 108.088 deg. OR W -109 deg. 54 min. 42.469 secs.		
Contractor: H&P 278	Rig/Platform Name/Num: H&P 278		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: KOHL, KYLE	Srv Supervisor: JAMISON, PRICE	MBU ID Emp #: 229155	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEUSSEN, EDWARD Eric	8	485182	JAMISON, PRICE W	8	229155	JENSEN, SHANE Lynn	8	441759
VANALSTYNE, TROY L	8	420256						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10001431	60 mile	10011429	60 mile	10978335	60 mile	11560046	60 mile
11562538	60 mile	11583934	60 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/2/11	8	2						

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	02 - Nov - 2011	06:30	MST
Form Type				BHST		On Location	02 - Nov - 2011	10:00	MST
Job depth MD	1368. ft		Job Depth TVD	1383. ft		Job Started	02 - Nov - 2011	15:35	MST
Water Depth				Wk Ht Above Floor	4. ft	Job Completed	02 - Nov - 2011	16:43	MST
Perforation Depth (MD)	From			To		Departed Loc	02 - Nov - 2011	18:00	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
OPEN HOLE				13.5				.	1383.	.	1383.
SURFACE CASING	Unknown		9.625	9.001	32.3	8 RD	H-40	.	1368.	.	1368.

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 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			
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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Spacer		20.00	bbl	8.4	.0	.0	6.0		
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	180.0	sacks	12.3	2.38	13.75	8.0	13.75	
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8.0	11.75	
4	Displacement Fluid		104.00	bbl	8.4	.0	.0	10.0		
Calculated Values		Pressures		Volumes						
Displacement	104	Shut In: Instant		Lost Returns	NO	Cement Slurry	136	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	15	Actual Displacement	103.5	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	260	
Rates										
Circulating	10.5	Mixing	8	Displacement	10	Avg. Job			8	
Cement Left In Pipe	Amount	43.65 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

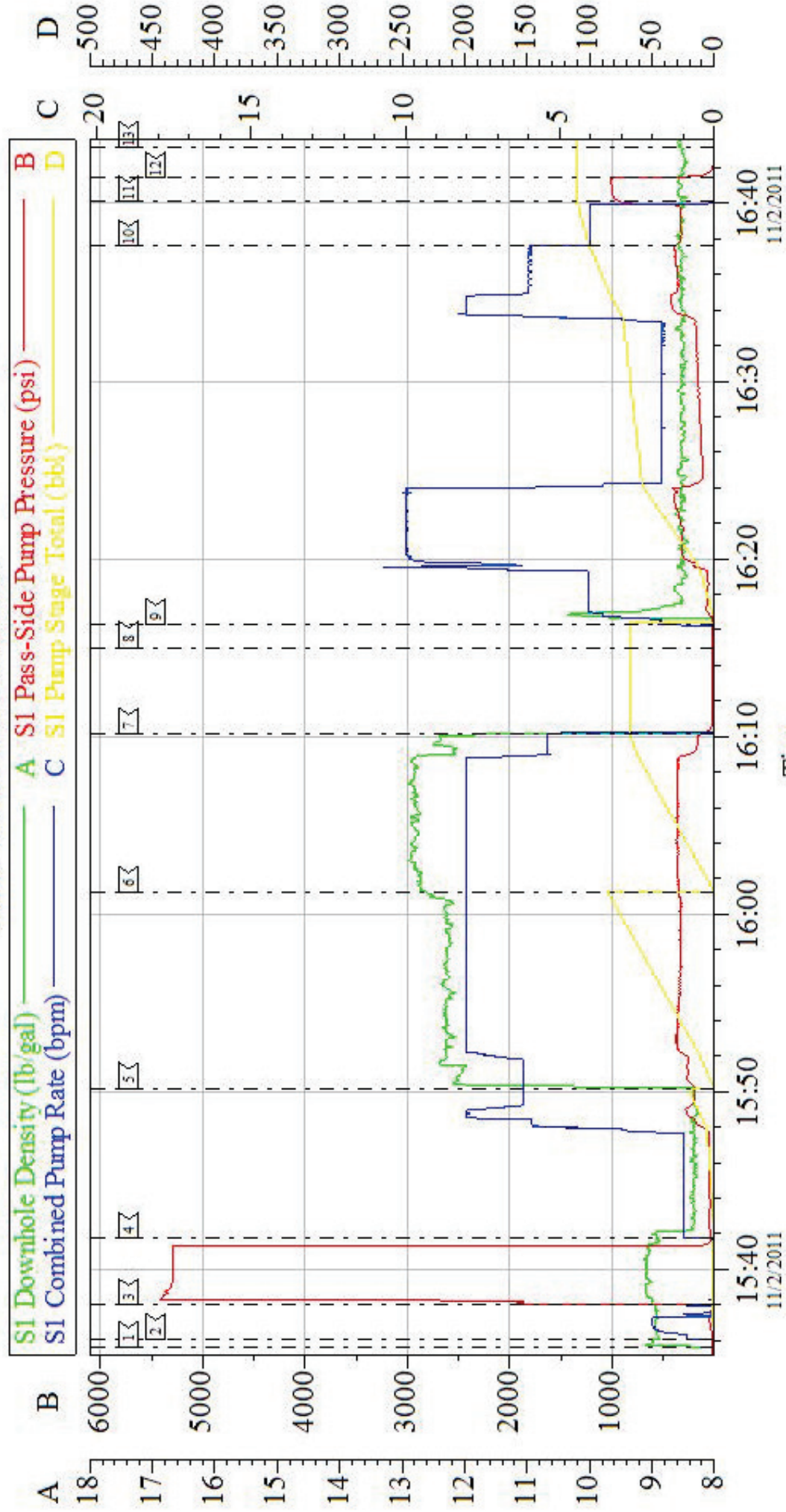
Sold To #: 300721		Ship To #: 2884421		Quote #:		Sales Order #: 8544600	
Customer: WILLIAMS PRODUCTION RMT INC - EBUS				Customer Rep: Geary, Scott			
Well Name: SG			Well #: 42-27			API/UWI #: 05-045-20657	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.408 deg. OR N 39 deg. 24 min. 28.699 secs.				Long: W 108.088 deg. OR W -109 deg. 54 min. 42.469 secs.			
Contractor: H&P 278			Rig/Platform Name/Num: H&P 278				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: KOHL, KYLE			Srvc Supervisor: JAMISON, PRICE			MBU ID Emp #: 229155	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/02/2011 06:30							TD 1383 HOLE SIZE 13.5 TP 1367.625 CASING 9.625 32.3 # H-40 SHOE JOINT 43.65 FT MUD 9.9 PPG
Depart Yard Safety Meeting	11/02/2011 08:20							CO.REP CALLED & CHANGED ON LOCATION TIME FROM 10:30 TO 11:30 WHILE IN ROUTE
Crew Leave Yard	11/02/2011 08:30							
Arrive At Loc	11/02/2011 10:00							
Assessment Of Location Safety Meeting	11/02/2011 10:20							
Pre-Rig Up Safety Meeting	11/02/2011 10:30							
Pre-Job Safety Meeting	11/02/2011 15:00							
Start Job	11/02/2011 15:35							
Prime Pumps	11/02/2011 15:36		2	2			72.0	FRESH WATER
Test Lines	11/02/2011 15:38						5000. 0	
Pump Spacer 1	11/02/2011 15:41		6	20			196.0	FRESH WATER
Pump Lead Cement	11/02/2011 15:50		8	76.3			380.0	MIXED @ 12.3 PPG YIELD 2.38 WAT/REQ 13.75 180 SKS
Pump Tail Cement	11/02/2011 16:01		8	60.1			371.0	MIXED @ 12.8 PPG YIELD 2.11 WAT/REQ 11.75 160 SKS

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	11/02/2011 16:10							
Drop Plug	11/02/2011 16:15							
Pump Displacement	11/02/2011 16:16		10					FRESH WATER
Slow Rate	11/02/2011 16:37		4	94			400.0	HAD TO SLOW RATE DO TO CELLAR PUMP WOULD NOT KEEP UP
Bump Plug	11/02/2011 16:40		4	104			360.0	PRESSURE UP TO 1000 PSI
Check Floats	11/02/2011 16:41							FLOATS HELD
End Job	11/02/2011 16:43							CEMENT BACK TO SURFACE 15 BBLS
Post-Job Safety Meeting (Pre Rig-Down)	11/02/2011 16:50							GOOD RETURNS THROUGHOUT JOB
Depart Location Safety Meeting	11/02/2011 17:50							CASING WAS BEING MOVED THROUGHOUT JOB
Crew Leave Location	11/02/2011 18:00							THANKS FOR USING HALLIBURTON BILL JAMISON & CREW

WILLIAMS

9.625 SURFACE CASING



Local Event Log

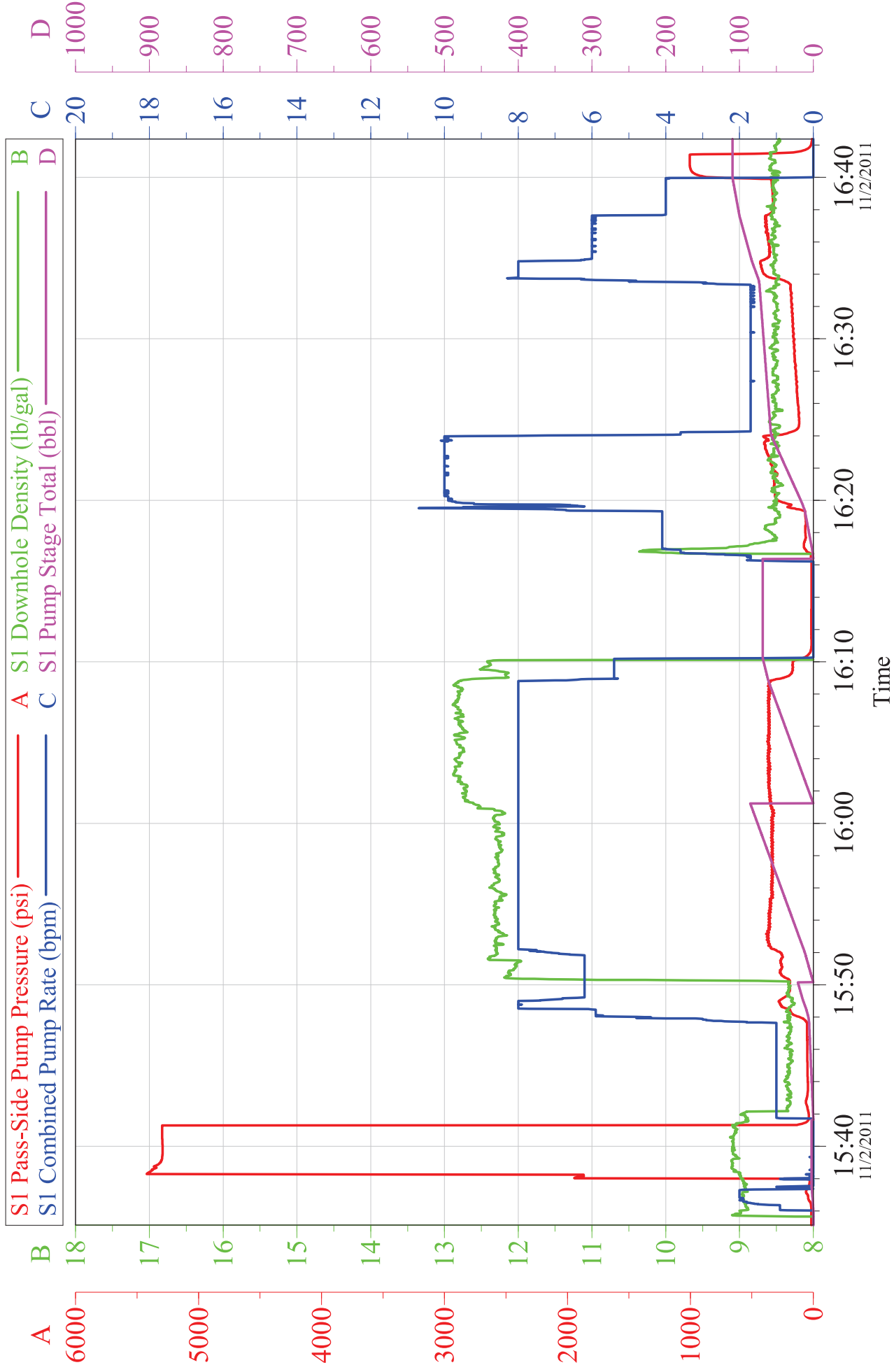
<input checked="" type="checkbox"/> 1	START JOB	15:35:36	<input checked="" type="checkbox"/> 2	PRIME LINES	15:36:03	<input checked="" type="checkbox"/> 3	TEST LINES	15:38:00
<input checked="" type="checkbox"/> 4	START FRESH WATER SPACER	15:41:44	<input checked="" type="checkbox"/> 5	START LEAD CEMENT	15:50:11	<input checked="" type="checkbox"/> 6	START TAIL CEMENT	16:01:13
<input checked="" type="checkbox"/> 7	SHUT DOWN	16:10:08	<input checked="" type="checkbox"/> 8	DROP PLUG	16:15:01	<input checked="" type="checkbox"/> 9	START DISPLACEMENT	16:16:17
<input checked="" type="checkbox"/> 10	SLOW RATE	16:37:37	<input checked="" type="checkbox"/> 11	BUMP PLUG	16:40:05	<input checked="" type="checkbox"/> 12	CHECK FLOATS	16:41:26
<input checked="" type="checkbox"/> 13	END JOB	16:43:09						

Customer: WILLIAMS	Job Date: 02-Nov-2011	Sales Order #: 854600
Well Description: SG 42-27	Job Type: CEMENT	ADC Used: YES
Company Rep: SCOTT GEARY	Cement Supervisor: BILL JAMISON	Elite #:5 ED DEUSSEN

OptiCem v6.4.10
02-Nov-11 16:59

Williams Production - SG 42-27

Surface



Customer:	Job Date:	Sales Order #:
Well Description:	Job Type:	ADC Used:
Company Rep:	Cement Supervisor:	Elite #X:

HALLIBURTON

Water Analysis Report

Company: WILLIAMS PRODUCTION

Submitted by: BILL JAMISON

Attention: JON TROUT

Lease SG

Well # 42-27

Date: 11/2/2011

Date Rec.: 11/2/2011

S.O.# 8544600

Job Type: 9 5/8" SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	6.9
Potassium (K)	<i>5000</i>	400 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	-200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	49 Deg
Total Dissolved Solids		310 Mg / L

Respectfully: BILL JAMISON

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

Sales Order #: 8544600	Line Item: 10	Survey Conducted Date: 11/2/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: SCOTT GEARY		API / UWI: (leave blank if unknown) 05-045-20657
Well Name: SG		Well Number: 42-27
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	11/2/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	PRICE JAMISON (HAL9235)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	SCOTT GEARY
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	GREAT CREW

CUSTOMER SIGNATURE

Sales Order #: 8544600	Line Item: 10	Survey Conducted Date: 11/2/2011
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Customer Representative: SCOTT GEARY		API / UWI: (leave blank if unknown) 05-045-20657
Well Name: SG		Well Number: 42-27
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 The date the survey was conducted	11/2/2011

Cementing KPI Survey	
Type of Job Select the type of job: Cementing or Non-Cementing	0
Select the Maximum Deviation range for this Job What is the biggest deviation for the job you just completed? This may not be the maximum well deviation	Deviated
Total Operating Time (hours) Total Operating Hours Including Rig-up/Pumping/Rig-down. Enter in decimal format	3
HSE Incident/Accident/Injury HSE Incident/Accident/Injury. This should be recordable incidents only	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format	1
Customer Non-Productive Rig Time (hrs) 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	0
Type of Rig Classification Job Was Performed Type Of Rig Classification Job Was Performed On	Drilling Rig [Portable]
Number Of JSAs Performed Number Of Jsas Performed	5
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for an period of time	0
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 8544600	Line Item: 10	Survey Conducted Date: 11/2/2011
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Well Name: SG		Well Number: 42-27
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Primary Cement Job <input type="checkbox"/> Casing Job <input type="checkbox"/> Liner Job <input type="checkbox"/> or Tie-back Job <input type="checkbox"/>	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	Top
Minimum 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	98
Was Automated Density Control Used? Was Automated Density Control (ADC) Used <input type="checkbox"/>	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1 bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped multiplied by 100	98
Number of Remedial Square Jobs Required After Primary Job Performed Because of Competition Number Of Remedial Square Jobs Required After Primary Job Performed Because of Competition	0
Number of Remedial Plug Jobs Required Because of HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped Because of HES	0
Number of Remedial Square Jobs Required Because of HES Number Of Remedial Square Jobs Required After Primary Job Performed Because of HES	0