
WILLIAMS PRODUCTION RMT INC - EBUS

**PA 441-29
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
05-Nov-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2880029		Quote #:		Sales Order #: 8489682	
Customer: WILLIAMS PRODUCTION RMT INC - EBUS				Customer Rep: Towers, Ron			
Well Name: PA			Well #: 441-29			API/UWI #: 05-045-20430	
Field: PARACHUTE		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.502 deg. OR N 39 deg. 30 min. 5.72 secs.				Long: W 108.012 deg. OR W -109 deg. 59 min. 17.941 secs.			
Contractor: NABORS			Rig/Platform Name/Num: NABORS 574				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: KOHL, KYLE			Srvc Supervisor: MAGERS, MICHAEL			MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLUST, CHARLES Thomas	9.5	386662	BORSZICH, STEPHEN A	9.5	412388	HAYES, JESSE Doug	9.5	403601
MAGERS, MICHAEL Gerard	9.5	339439						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10722398	60 mile	10867322	60 mile	10871245	60 mile	10897891	60 mile
11139330	60 mile	11259886	60 mile	11360881	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/05/2011	9.5	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	05 - Nov - 2011	05:30 MST
Form Type		BHST			On Location	05 - Nov - 2011	10:30 MST
Job depth MD	2750. ft	Job Depth TVD	2740. ft		Job Started	05 - Nov - 2011	17:55 MST
Water Depth		Wk Ht Above Floor	3. ft		Job Completed	05 - Nov - 2011	19:44 MST
Perforation Depth (MD)	From		To		Departed Loc	05 - Nov - 2011	21:00 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
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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	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
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	8.34	.0	.0	.0		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	450.0	sacks	12.3	2.38	13.75		13.75	
	13.75 Gal	FRESH WATER								
3	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75	
	11.75 Gal	FRESH WATER								
4	Displacement Fluid		212.00	bbl	8.34	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	212	Shut In: Instant		Lost Returns	0	Cement Slurry	251	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	212	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	483	
Rates										
Circulating	RIG	Mixing	5	Displacement	7/2	Avg. Job	6			
Cement Left In Pipe	Amount	42 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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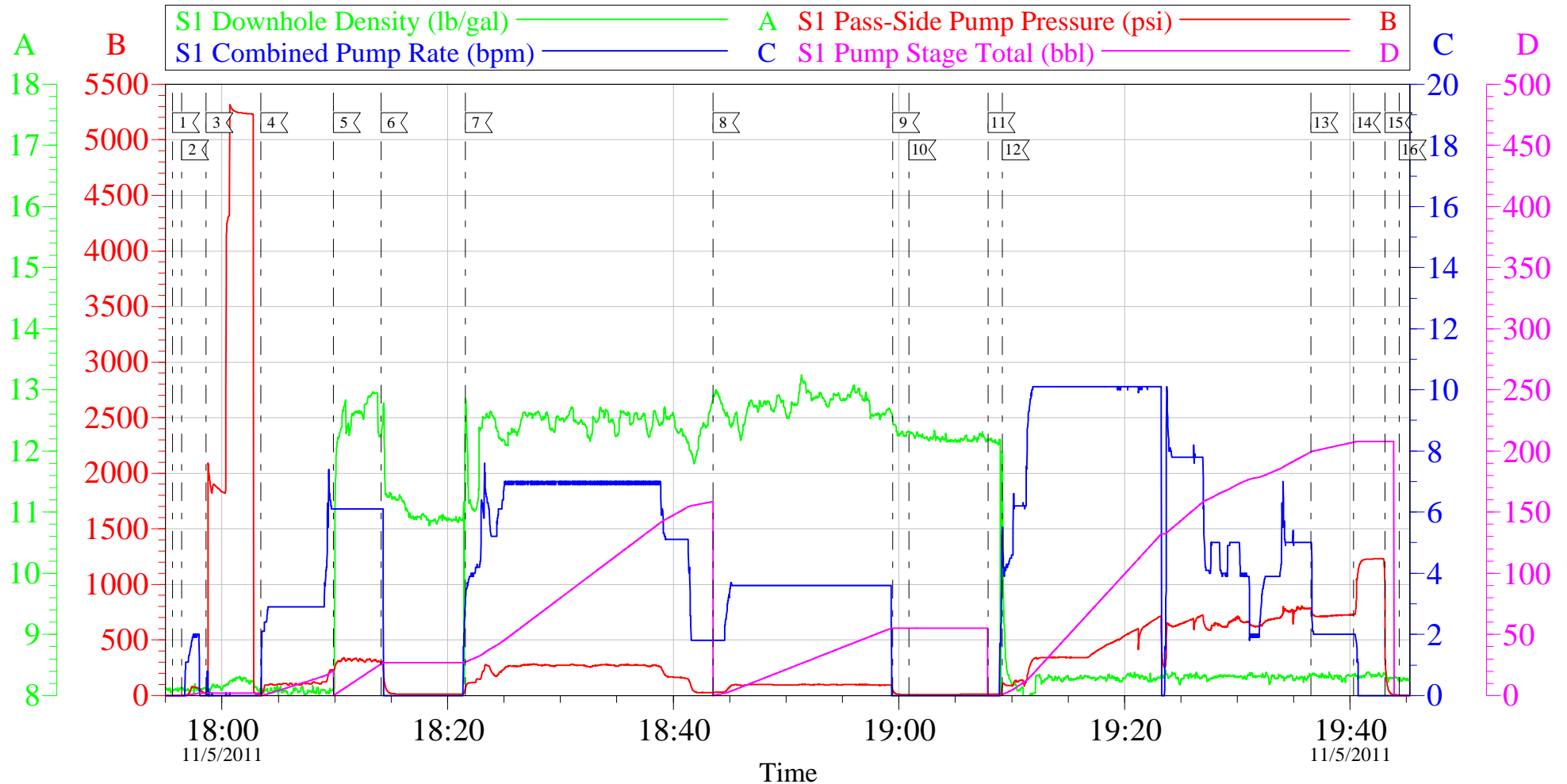
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Legal Description:			
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Contractor: NABORS		Rig/Platform Name/Num: NABORS 574	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KOHL, KYLE		Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Yard	11/05/2011 08:00							HES ALL PRESENT
Arrive At Loc	11/05/2011 10:30							HES ARRIVED 1 HR EARLY. RIG WAS STILL PULLING DRILL PIPE/CASERS RAN CASING/RIG CIRCULATED WHILE HES RIGGED UP AND CASERS RIGGED DOWN/RIG CIRCULATED FOR 1 HR/RIG RECIPORCATED DURING THIS TIME AND THROUGHOUT THE JOB
Assessment Of Location Safety Meeting	11/05/2011 10:40							RAINY/LOCATION MUDDY
Pre-Rig Up Safety Meeting	11/05/2011 16:50							JSA ON RIGGING UP
Rig-Up Equipment	11/05/2011 17:00							1 PICKUP 1 ELITE 2 BULK TRUCKS
Safety Huddle	11/05/2011 17:45							RIG CREW AND HES ALL PRESENT
Start Job	11/05/2011 17:55							TD-2750 TP-2736 SJ-42 MW-10.7 CSG- 9 5/8 32.3# H-40 OH-14"
Other	11/05/2011 17:56		2	2			76.0	FILL LINES
Pressure Test	11/05/2011 17:58		0.5	0.5			5280.0	PSI TEST OK
Pump Spacer 1	11/05/2011 18:03		3	20			98.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	11/05/2011 18:09		8	190.7			264.0	VERSCACEM 450 SKS 12.3 PPG 2.38 FT3/SK 13.75 GAL/SK HAD TO SHUT DOWN DUE TO RECIR AND DOWNHOLE JUMPING ALL OVER/TRIED AUTO CAL STILL NO GOOD/ GOT CEMENT BACK TO DENSITY AND PUMPED CEMENT/ CONSTANTLY WEIGHED CEMENT TROUGHOUT THE REST OF THE JOB
Pump Tail Cement	11/05/2011 18:43		8	60.1			200.0	VERSACEM 160 SKS 12.8 PPG 2.11 FT3/SK 11.76 GAL/SK
Shutdown	11/05/2011 18:59							WASH UP ON TOP OF PLUG PER COMPANY REP
Drop Plug	11/05/2011 19:07							PLUG AWAY NO PROBLEMS
Pump Displacement	11/05/2011 19:09		10	212			712.0	FRESH WATER
Slow Rate	11/05/2011 19:36		2	202			696.0	HAD TO SLOW RATE DOWN DUE TO PUMPS NOT KEEPING UP WITH RETURNS
Bump Plug	11/05/2011 19:40		2	212			780.0	BUMPED PLUG/GOT 30 BBLs OF CEMENT TO SURFACE
Check Floats	11/05/2011 19:43			212			1205.0	FLOATS HELD/GOT 1.5 BBL BACK INTO DISPLACEMENT TANK
End Job	11/05/2011 19:44							HAD GOOD CIRCULATION THROUGHOUT JOB/THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

WILLIAMS NABORS 574

SURFACE 9.625 PA 441-29



Local Event Log

1 START JOB	17:55:37	2 FILL LINES	17:56:25	3 PRESSURE TEST	17:58:36
4 PUMP SPACER	18:03:27	5 PUMP LEAD CEMENT	18:09:52	6 SHUT DOWN	18:14:05
7 PUMP LEAD CEMENT	18:21:36	8 PUMP TAIL CEMENT	18:43:31	9 SHUT DOWN	18:59:28
10 WASH UP ON TOP OF PLUG	19:00:53	11 DROP PLUG	19:07:55	12 PUMP DISPLACEMENT	19:09:10
13 SLOW RATE	19:36:32	14 BUMP PLUG	19:40:18	15 CHECK FLOATS	19:43:07
16 END JOB	19:44:22				

Customer: WILLIAMS NABORS 574
Well Description: PA 441-29
Company Rep: RON TOWERS

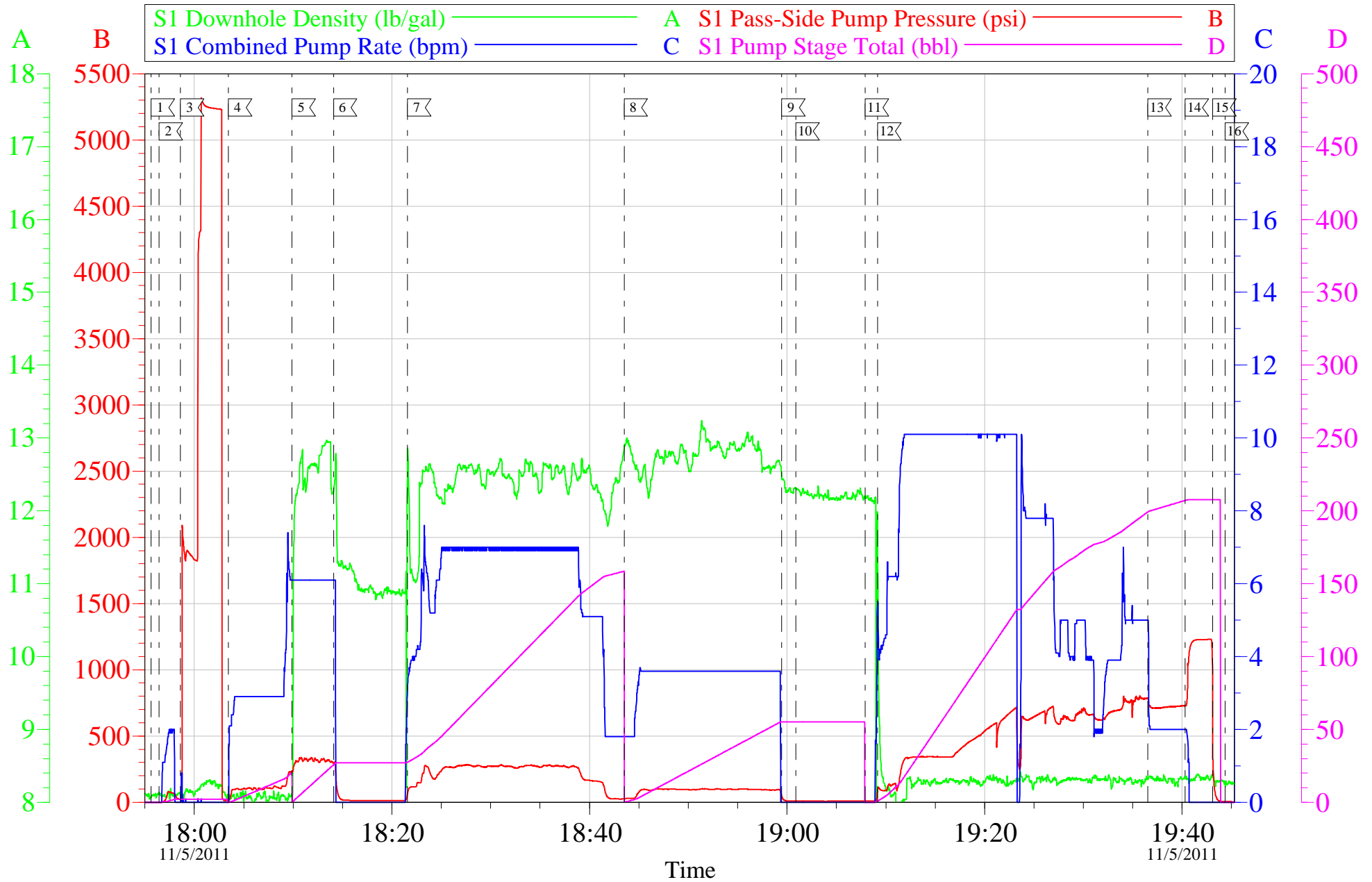
Job Date: 05-Nov-2011
Job Type: SURFACE
Cement Supervisor: MIKE MAGERS

Sales Order #: 8489682
ADC Used: YES
Elite #: 8 STEVE BORSZICH

OptiCem v6.3.4
05-Nov-11 20:31

WILLIAMS NABORS 574

SURFACE 9.625 PA 441-29



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Well Description: PA 441-29
Company Rep: RON TOWERS

Job Date: 05-Nov-2011
Job Type: SURFACE
Cement Supervisor: MIKE MAGERS

Sales Order #: 8489682
ADC Used: YES
Elite #: 8 STEVE BORSZICH

OptiCem v6.3.4
05-Nov-11 20:32

HALLIBURTON

Water Analysis Report

Company: WILLIAMS
Submitted by: MIKE MAGERS
Attention: J.Trout/ C.Martinez
Lease: PA
Well #: 441-29

Date: 11/5/2011
Date Rec.: 11/5/2011
S.O.#: 8489682
Job Type: SURFACE

Specific Gravity	MAX	1
pH	8	7
Potassium (K)	5000	250 Mg / L
Calcium (Ca)	500	120 Mg / L
Iron (FE2)	300	0 Mg / L
Chlorides (Cl)	3000	0 Mg / L
Sulfates (SO ₄)	1500	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	40-80	55
Total Dissolved Solids		110 Mg / L

Respectfully: MIKE MAGERS

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 its use.

Sales Order #: 8489682	Line Item: 10	Survey Conducted Date: 11/5/2011
Customer: WILLIAMS PRODUCTION RMT INC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-20430
Well Name: PA		Well Number: 441-29
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	11/5/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	RON TOWERS
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: RON TOWERS		API / UWI: (leave blank if unknown) 05-045-20430
Well Name: PA		Well Number: 441-29
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	11/5/2011

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 highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	4
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.	2
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	4
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	1
Reason For Unplanned Shutdown	RECIR AND DOWNHOLE NOT READING JUMPING ALL OVER

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Well Name: PA		Well Number: 441-29
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Reason For Unplanned Shutdowns (after Starting To Pump)	
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
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	90
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	93
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