

**WILLIAMS PRODUCTION RMT INC - EBUS  
DO NOT MAIL - PO BOX 3102  
TOWER 3 SUITE 1000  
TULSA, Oklahoma**

PA  
PA 43-20

**NABORS/NABORS/577**

## **Post Job Summary**

# **Cement Surface Casing**

Prepared for:  
Date Prepared:  
Version: 1

Service Supervisor: REEVES, BRANDON

Submitted by:

**HALLIBURTON**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2867128	<b>Quote #:</b>	<b>Sales Order #:</b> 8335114
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS		<b>Customer Rep:</b> LARRY NICHOLAS	
<b>Well Name:</b> PA		<b>Well #:</b> 43-20	<b>API/UWI #:</b> 05-045-20251
<b>Field:</b> Parachute	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.504 deg. OR N 39 deg. 30 min. 14.591 secs.		<b>Long:</b> W 108.019 deg. OR W -109 deg. 58 min. 51.488 secs.	
<b>Contractor:</b> NABORS		<b>Rig/Platform Name/Num:</b> NABORS 577	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> SCOTT, KYLE		<b>Srv Supervisor:</b> REEVES, BRANDON	<b>MBU ID Emp #:</b> 287883

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/28/2011 16:00							
Pre-Convoy Safety Meeting	08/28/2011 17:00							WITH ALL HES EMPLOYEES
Arrive at Location from Service Center	08/28/2011 19:50							
Assessment Of Location Safety Meeting	08/28/2011 20:15							WITH ALL HES EMPLOYEES
Other	08/28/2011 20:30							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	08/28/2011 20:45							WITH ALL HES EMPLOYEES
Rig-Up Equipment	08/28/2011 21:15							
Pre-Job Safety Meeting	08/28/2011 23:20							WITH ALL HES EMPLOYEES AND RIG CREW.
Start Job	08/28/2011 23:32							TD-1065' TP-1052' SJ-44' MW-10.0# CASING-9 5/8" 32.3# HOLE-13 1/2"
Test Lines	08/28/2011 23:34						2900.0	
Pump Spacer 1	08/28/2011 23:37		5	10			245.0	FRESH WATER SPACER
Drop Top Plug	08/29/2011 00:04							
Pump Displacement	08/29/2011 00:06		10				620.0	FRESH WATER DISPLACEMENT
Slow Rate	08/29/2011 00:15		2	70			260.0	
Bump Plug	08/29/2011 00:19		2	79			950.0	PLUG LANDED AT 260 PSI. PRESSURED UP TO 950 PSI
Check Floats	08/29/2011 00:22							FLOATS HELD

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	08/29/2011 00:24							WELL WAS CIRCULATED BEFORE STARTING THE JOB. GOOD CIRCULATUION THROUGHOUT THE JOB. PIPE WAS NOT RECIPROCATED. CIRCULATED 21 BLLS. OF CEMENT TO SURFACE.
Rig-Down Equipment	08/29/2011 00:45							THANKS FOR USING HALLIBURTON. BRANDON REEVES AND CREW.
Pump Tail Cement	08/29/2011 23:47		8	116.5			460.0	310 SKS. @ 12.8# 2.11 YIELD 11.75 WRQ.

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721		<b>Ship To #:</b> 2867128		<b>Quote #:</b>		<b>Sales Order #:</b> 8335114	
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS				<b>Customer Rep:</b> LARRY NICHOLAS			
<b>Well Name:</b> PA			<b>Well #:</b> 43-20			<b>API/UWI #:</b> 05-045-20251	
<b>Field:</b> Parachute		<b>City (SAP):</b> PARACHUTE		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Lat:</b> N 39.504 deg. OR N 39 deg. 30 min. 14.591 secs.				<b>Long:</b> W 108.019 deg. OR W -109 deg. 58 min. 51.488 secs.			
<b>Contractor:</b> NABORS			<b>Rig/Platform Name/Num:</b> NABORS 577				
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> SCOTT, KYLE			<b>Srvc Supervisor:</b> REEVES, BRANDON			<b>MBU ID Emp #:</b> 287883	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DOUT, JACOB J	5	430298	FINK, JOHN	5	476032	KUKUS, CHRISTOPHER A	5	413952
REEVES, BRANDON W	5	287883	ROSS, CHARLES Raymond	5	453128			

**Equipment**

HES Unit #	Distance-1 way						
10297346	60 mile	10567589C	60 mile	10995027	60 mile	11071559	60 mile
11259883	60 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08/28/2011	4	.5	08/29/2011	1	.5			

**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	28 - Aug - 2011	16:00 MST
Form Type	BHST			On Location	28 - Aug - 2011	19:50 MST
Job depth MD	1052. ft	Job Depth TVD	1052. ft	Job Started	29 - Aug - 2011	23:32 MST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	29 - Aug - 2011	00:24 MST
Perforation Depth (MD)	From	To		Departed Loc	29 - Aug - 2011	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
<b>Sales/Rental/3<sup>rd</sup> Party (HES)</b>											

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 6.25"	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625"	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 ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	.0	
2	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	310.0	sacks	12.8	2.11	11.75		11.75
	11.75 Gal	FRESH WATER							
3	Displacement Fluid		79.00	bbl	8.34	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	79.3	Shut In: Instant		Lost Returns	0	Cement Slurry	116.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	21	Actual Displacement	79	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	8	Displacement	10	Avg. Job			9
Cement Left In Pipe	Amount	44 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID	ID	ID
The Information Stated Herein Is Correct				Customer Representative Signature					

*The Road to Excellence Starts with Safety*

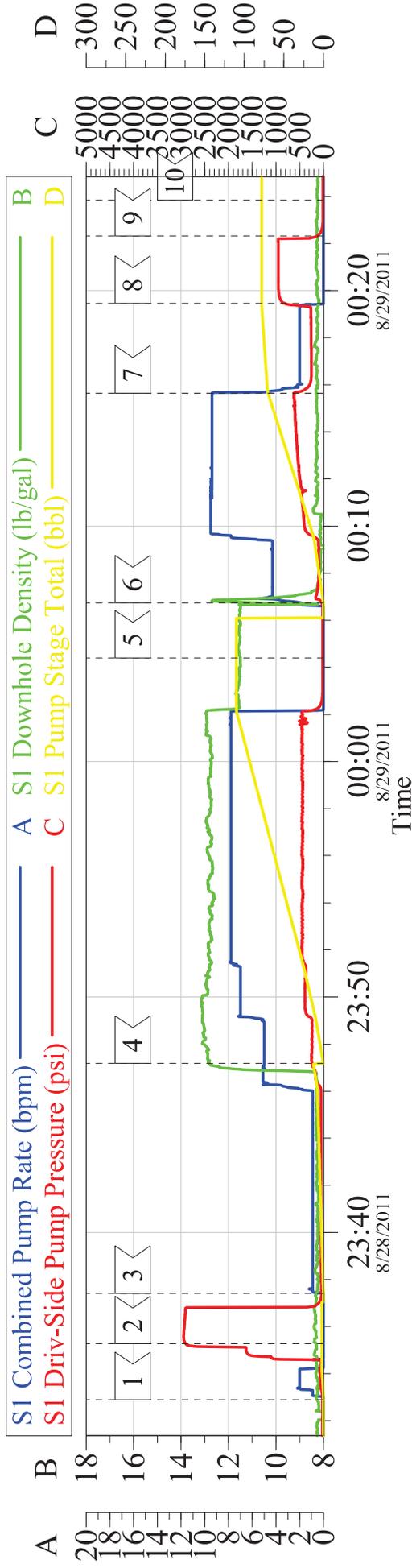
<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2867128	<b>Quote #:</b>	<b>Sales Order #:</b> 8335114
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS		<b>Customer Rep:</b> Nicholas, Larry	
<b>Well Name:</b> PA		<b>Well #:</b> 43-20	<b>API/UWI #:</b> 05-045-20251
<b>Field:</b> Parachute	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.504 deg. OR N 39 deg. 30 min. 14.591 secs.		<b>Long:</b> W 108.019 deg. OR W -109 deg. 58 min. 51.488 secs.	
<b>Contractor:</b> NABORS		<b>Rig/Platform Name/Num:</b> NABORS 577	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> SCOTT, KYLE		<b>Srvc Supervisor:</b> REEVES, BRANDON	<b>MBU ID Emp #:</b> 287883

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/28/2011 16:00							
Pre-Convoy Safety Meeting	08/28/2011 17:00							WITH ALL HES EMPLOYEES
Arrive at Location from Service Center	08/28/2011 19:50							
Assessment Of Location Safety Meeting	08/28/2011 20:15							WITH ALL HES EMPLOYEES
Other	08/28/2011 20:30							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	08/28/2011 20:45							WITH ALL HES EMPLOYEES
Rig-Up Equipment	08/28/2011 21:15							
Pre-Job Safety Meeting	08/28/2011 23:20							WITH ALL HES EMPLOYEES AND RIG CREW.
Start Job	08/28/2011 23:32							TD-1065' TP-1052' SJ-44' MW-10.0# CASING-9 5/8" 32.3# HOLE-13 1/2"
Test Lines	08/28/2011 23:34						2900.0	
Pump Spacer 1	08/28/2011 23:37		5	10			245.0	FRESH WATER SPACER
Pump Tail Cement	08/28/2011 23:47		8	116.5			460.0	310 SKS. @ 12.8# 2.11 YIELD 11.75 WRQ.
Drop Top Plug	08/29/2011 00:04							
Pump Displacement	08/29/2011 00:06		10				620.0	FRESH WATER DISPLACEMENT
Slow Rate	08/29/2011 00:15		2	70			260.0	
Bump Plug	08/29/2011 00:19		2	79			950.0	PLUG LANDED AT 260 PSI. PRESSURED UP TO 950 PSI

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	08/29/2011 00:22							FLOATS HELD
End Job	08/29/2011 00:24							WELL WAS CIRCULATED BEFORE STARTING THE JOB. GOOD CIRCULATUION THROUGHOUT THE JOB. PIPE WAS NOT RECIPROCATED. CIRCULATED 21 BLLS. OF CEMENT TO SURFACE.
Rig-Down Equipment	08/29/2011 00:45							THANKS FOR USING HALLIBURTON. BRANDON REEVES AND CREW.



# WILLIAMS PRODUCTION 9 5/8" SURFACE

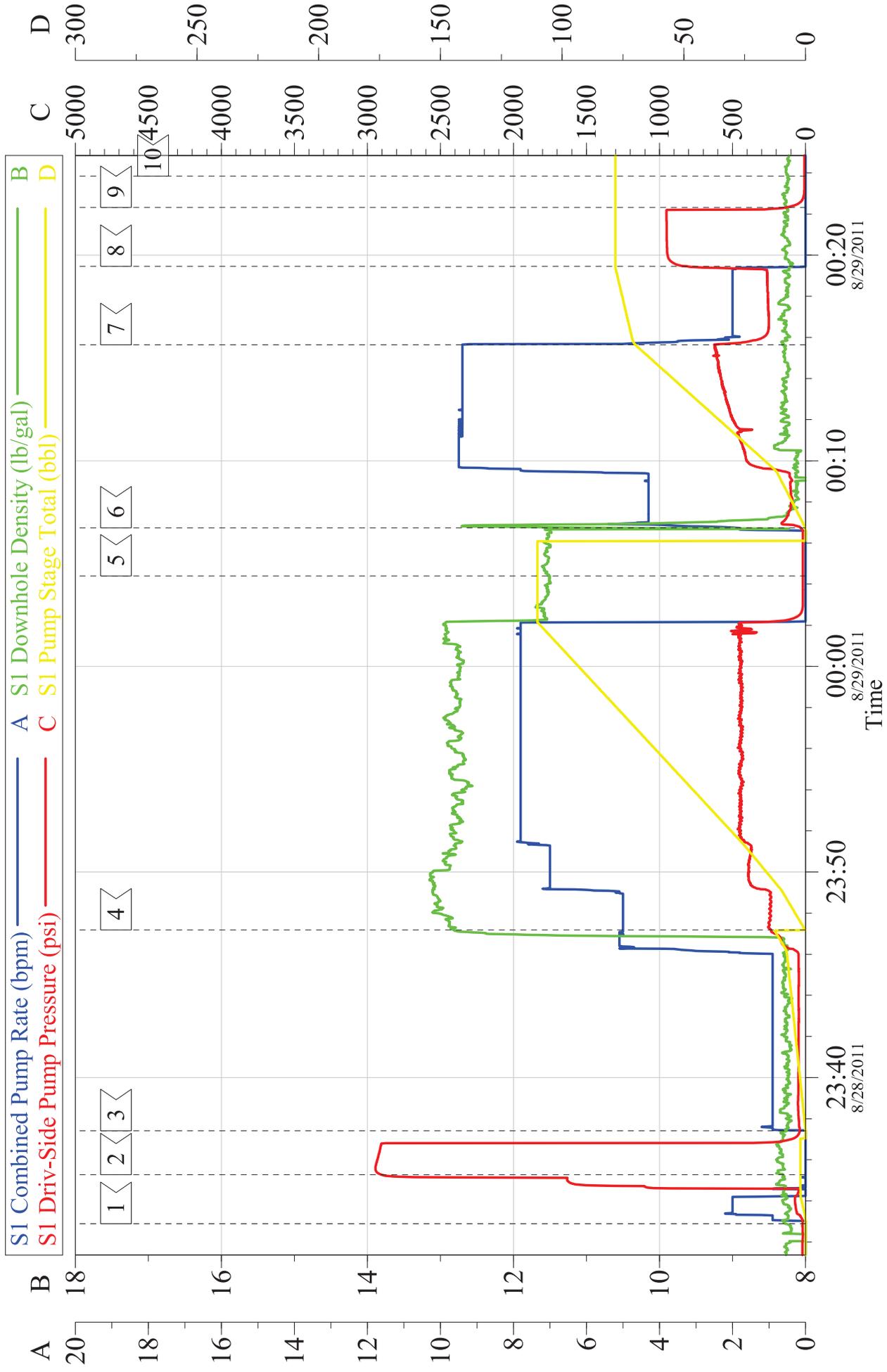


### Local Event Log

Intersection	SDPP
1 < START JOB	8/28/2011 23:32:54 20.00
2 < TEST LINES	8/28/2011 23:35:16 2904
3 < PUMP H2O SPACER	8/28/2011 23:37:25 39.06
4 < PUMP TAIL CEMENT	8/28/2011 23:47:11 237.1
5 < DROP TOP PLUG	8/29/2011 00:04:24 18.00
6 < PUMP DISPLACEMENT	8/29/2011 00:06:44 33.04
7 < SLOW RATE	8/29/2011 00:15:39 624.1
8 < LAND PLUG	8/29/2011 00:19:28 820.9
9 < CHECK FLOATS	8/29/2011 00:22:19 134.0
10 < END JOB	8/29/2011 00:23:51 7.000

Customer: WILLIAMS PRODUCTION	Job Date: 28-Aug-2011	Sales Order #: 8335114
Well Description: PA 43-20	Job Type: SURFACE	ADC Used: YES
Supervisor: BRANDON REEVES	Company Rep: LARRY NICHOLAS	Elite/Operator: 3/JACOB DOUT

# WILLIAMS PRODUCTION 9 5/8" SURFACE



Customer: WILLIAMS PRODUCTION	Job Date: 28-Aug-2011	Sales Order #: 8335114
Well Description: PA 43-20	Job Type: SURFACE	ADC Used: YES
Supervisor: BRANDON REEVES	Company Rep: LARRY NICHOLAS	Elite/Operator: 3/JACOB DOUT

# HALLIBURTON

## Water Analysis Report

Company: WILLIAMS PRODUCTION

Date: 8/28/2011

Submitted by: BRANDON REEVES

Date Rec.: 8/28/2011

Attention: J. TROUT/C.MARTINEZ

S.O.# 8335114

Lease PA

Job Type: SURFACE

Well # 43-20

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6.8</b>
Potassium (K)	<i>5000</i>	<b>0 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>120 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>0 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>UNDER 200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>72 Deg</b>
Total Dissolved Solids		<b>120 Mg / L</b>

Respectfully: BRANDON REEVES

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

<b>Sales Order #:</b> 8335114	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 8/29/2011
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> LARRY NICHOLAS		<b>API / UWI: (leave blank if unknown)</b> 05-045-20251
<b>Well Name:</b> PA		<b>Well Number:</b> 43-20
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> 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	8/29/2011
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	LARRY NICHOLAS
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	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

<b>CUSTOMER SIGNATURE</b>
---------------------------

<b>Sales Order #:</b> 8335114	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 8/29/2011
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> LARRY NICHOLAS		<b>API / UWI: (leave blank if unknown)</b> 05-045-20251
<b>Well Name:</b> PA		<b>Well Number:</b> 43-20
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b> The date the survey was conducted	8/29/2011

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

<b>Sales Order #:</b> 8335114	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 8/29/2011
<b>Customer:</b> WILLIAMS PRODUCTION RMT INC - EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> LARRY NICHOLAS		<b>API / UWI: (leave blank if unknown)</b> 05-045-20251
<b>Well Name:</b> PA		<b>Well Number:</b> 43-20
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primar <input type="checkbox"/> Cement Job <input type="checkbox"/> Casing Job <input type="checkbox"/> Liner Job <input type="checkbox"/> or Tie-back <input type="checkbox"/> Job <input type="checkbox"/>	
<b>Did We Run Wiper Plugs?</b>	Top
Did We Run Top And Bottom Casing Wiper Plugs <input type="checkbox"/>	
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b>	95
Densit <input type="checkbox"/> Range defined as +/- 20 ppg <input type="checkbox"/> Calculation: Total BBLs cement mixed at designed densit <input type="checkbox"/> divided by total BBLs of cement multiplied by 100	
<b>Was Automated Density Control Used?</b>	Yes
Was Automated Densit <input type="checkbox"/> Control <input type="checkbox"/> ADC <input type="checkbox"/> Used <input type="checkbox"/>	
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b>	98
Pump Rate range defined as +/- 1 bbl/min <input type="checkbox"/> Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped <input type="checkbox"/> multiplied by 100	
<b>Nbr of Remedial Sq <input type="checkbox"/> Jobs Rqd <input type="checkbox"/> Competition</b>	0
Number Of Remedial S <input type="checkbox"/> uee <input type="checkbox"/> e Jobs Re <input type="checkbox"/> uired After Primar <input type="checkbox"/> Job Performed B <input type="checkbox"/> Competition	
<b>Nbr of Remedial Plug Jobs Rqd <input type="checkbox"/> HES</b>	0
Number Of Remedial Plug Jobs Needed After Primar <input type="checkbox"/> Plug Pumped B <input type="checkbox"/> HES	
<b>Nbr of Remedial Sq <input type="checkbox"/> Jobs Rqd <input type="checkbox"/> HES</b>	0
Number Of Remedial S <input type="checkbox"/> uee <input type="checkbox"/> e Jobs Re <input type="checkbox"/> uired After Primar <input type="checkbox"/> Job Performed B <input type="checkbox"/> HES	