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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**KP 423-8  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
07-Apr-2012

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300721	<b>Ship To #:</b> 2920027	<b>Quote #:</b>	<b>Sales Order #:</b> 9371334
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Customer Rep:</b> Hudson, Matt	
<b>Well Name:</b> KP		<b>Well #:</b> 423-8	<b>API/UWI #:</b> 05-045-20996
<b>Field:</b> MAMM CREEK	<b>City (SAP):</b> Silt	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.536 deg. OR N 39 deg. 32 min. 7.919 secs.		<b>Long:</b> W 107.58 deg. OR W -108 deg. 25 min. 12.58 secs.	
<b>Contractor:</b> NABORS 574		<b>Rig/Platform Name/Num:</b> NAB 574	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	0.0	371353	CASTILLO, FRANCISCO P	0.0	513620	SIMINEO, JEROD M	0.0	479954
SMITH, CHRISTOPHER Scott	0.0	452619						

**Equipment**

HES Unit #	Distance-1 way						
10567589C	60 mile	10722398	60 mile	10783493	60 mile	10822007	60 mile
11139330	60 mile	11259884	60 mile	11808829	60 mile		

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name				Date	Time	Time Zone
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	07 - Apr - 2012	15:00 MST
<b>Form Type</b>	BHST			<b>On Location</b>	07 - Apr - 2012	18:30 MST
<b>Job depth MD</b>	1365. m	<b>Job Depth TVD</b>	1350. m	<b>Job Started</b>	07 - Apr - 2012	20:11 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	3. m	<b>Job Completed</b>	07 - Apr - 2012	21:14 MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Departed Loc</b>	07 - Apr - 2012	22:00 MST

**Well Data**

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m

**Sales/Rental/3<sup>rd</sup> 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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne	

1	Fresh Water		20.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	200.0	sacks	12.3	2.38	13.75		13.75
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75		11.75
4	Displacement Fluid		102.00	bbl	8.34	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
<i>Displacement</i>		<b>Shut In: Instant</b>			<b>Lost Returns</b>		<i>Cement Slurry</i>		<b>Pad</b>
<b>Top Of Cement</b>		<b>5 Min</b>			<b>Cement Returns</b>		<b>Actual Displacement</b>		<b>Treatment</b>
<b>Frac Gradient</b>		<b>15 Min</b>			<b>Spacers</b>		<b>Load and Breakdown</b>		<b>Total Job</b>
<b>Rates</b>									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>		<b>Avg. Job</b>			
<i>Cement Left In Pipe</i>		<b>Amount</b>	<b>0 ft</b>	<i>Reason</i>	<b>Shoe Joint</b>				
<i>Frac Ring # 1 @</i>	<i>ID</i>	<i>Frac ring # 2 @</i>	<i>ID</i>	<i>Frac Ring # 3 @</i>	<i>ID</i>	<i>Frac Ring # 4 @</i>	<i>ID</i>		
<i>The Information Stated Herein Is Correct</i>					<b>Customer Representative Signature</b>				

*The Road to Excellence Starts with Safety*

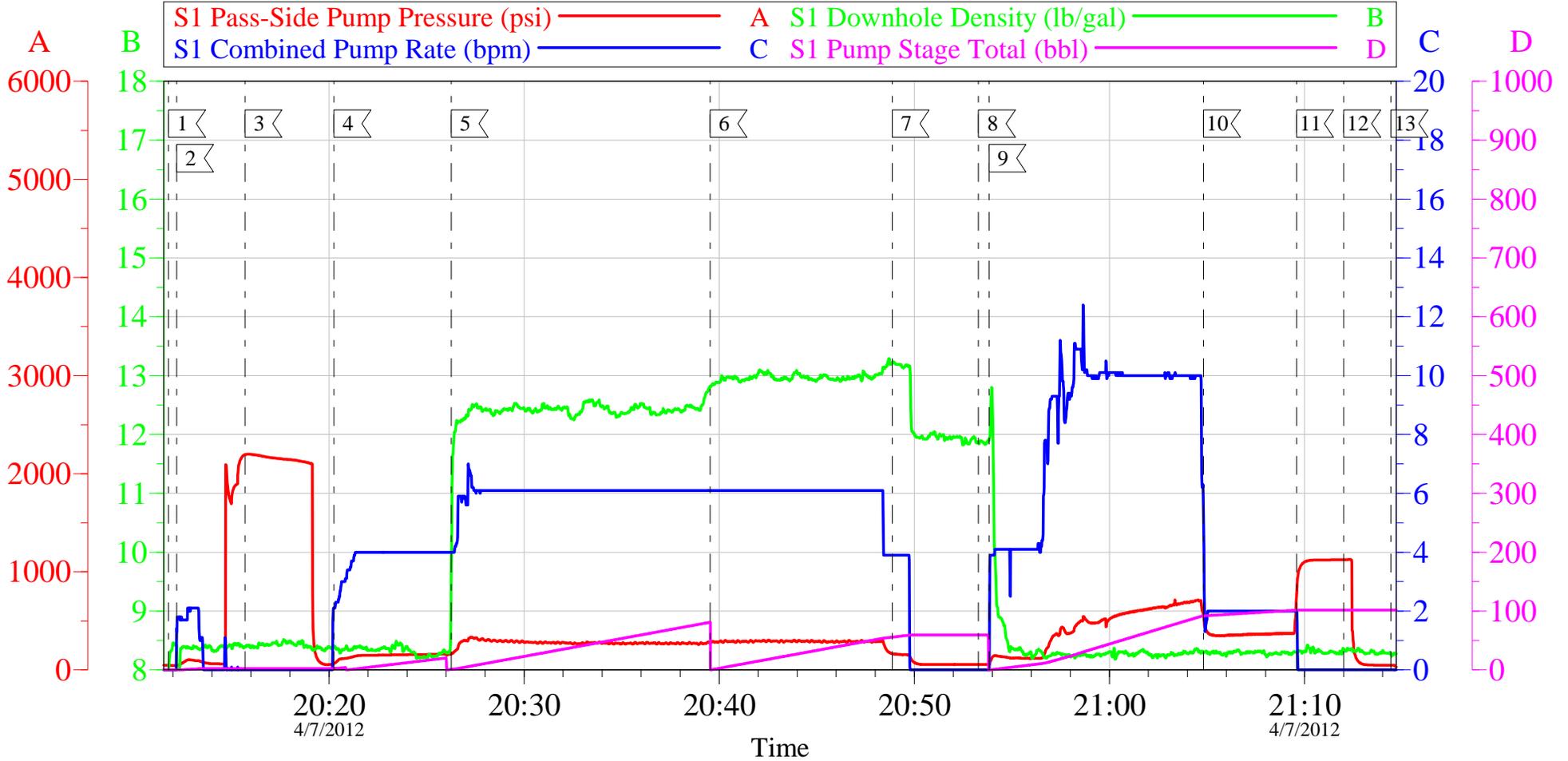
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<b>Legal Description:</b>			
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<b>Contractor:</b> NABORS 574		<b>Rig/Platform Name/Num:</b> NAB 574	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> MAYO, MARK		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	04/07/2012 17:00							ALL HES PERSONEL
Crew Leave Yard	04/07/2012 17:15							
Arrive At Loc	04/07/2012 18:30							RIG RUNNING CASEING.
Assessment Of Location Safety Meeting	04/07/2012 18:45							ALL HES PERSONEL
Rig-Up Equipment	04/07/2012 19:00							
Pre-Job Safety Meeting	04/07/2012 20:00							ALL HES PERSONEL AND RIG CREW
Start Job	04/07/2012 20:11							TD 1365', TP 1350', SJ 44', OH 13.5", CSG 9.625" 32.3# J-55 , MUD 9.3PPG.
Other	04/07/2012 20:12		2	2			95.0	FILL LINES
Pressure Test	04/07/2012 20:15		0.5	0.5				ALL LINES HELD PRESSURE @ 2199 PSI
Pump Spacer 1	04/07/2012 20:20		4	20			160.0	FRESH WATER
Pump Lead Cement	04/07/2012 20:26		6	84			285.0	200 SKS, 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK, SET UP TIME 2:38 @ 70 BC.
Pump Tail Cement	04/07/2012 20:39		6	60			295.0	146 SKS, 12.8 PPG, 2.07 FT3/ SK, 11.67 GAL/SK, SET UP TIME 1:51 @ 70 BC
Shutdown	04/07/2012 20:48							
Drop Top Plug	04/07/2012 20:53							PLUG WENT

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	04/07/2012 20:53		10	92			708.0	FRESH WATER, WASH UP ON TOP OF PLUG.
Slow Rate	04/07/2012 21:00		2	10			375.0	
Bump Plug	04/07/2012 21:09						1100.0	PLUG BUMPED
Check Floats	04/07/2012 21:12							FLOATS HELD
End Job	04/07/2012 21:14							GOOD CIRCULATION THROUGHOUT JOB, 20 BBLs OF CEMENT TO SURFACE, PIPE WAS NOT MOVED DURING THE JOB.
Post-Job Safety Meeting (Pre Rig-Down)	04/07/2012 21:20							ALL HES PERSONEL
Rig-Down Completed	04/07/2012 21:30							
Depart Location Safety Meeting	04/07/2012 21:50							ALL HES PERSONEL
Crew Leave Location	04/07/2012 22:00							
Other	04/07/2012 22:00							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

# WILLIAMS KP 423-8

9.625" SURFACE



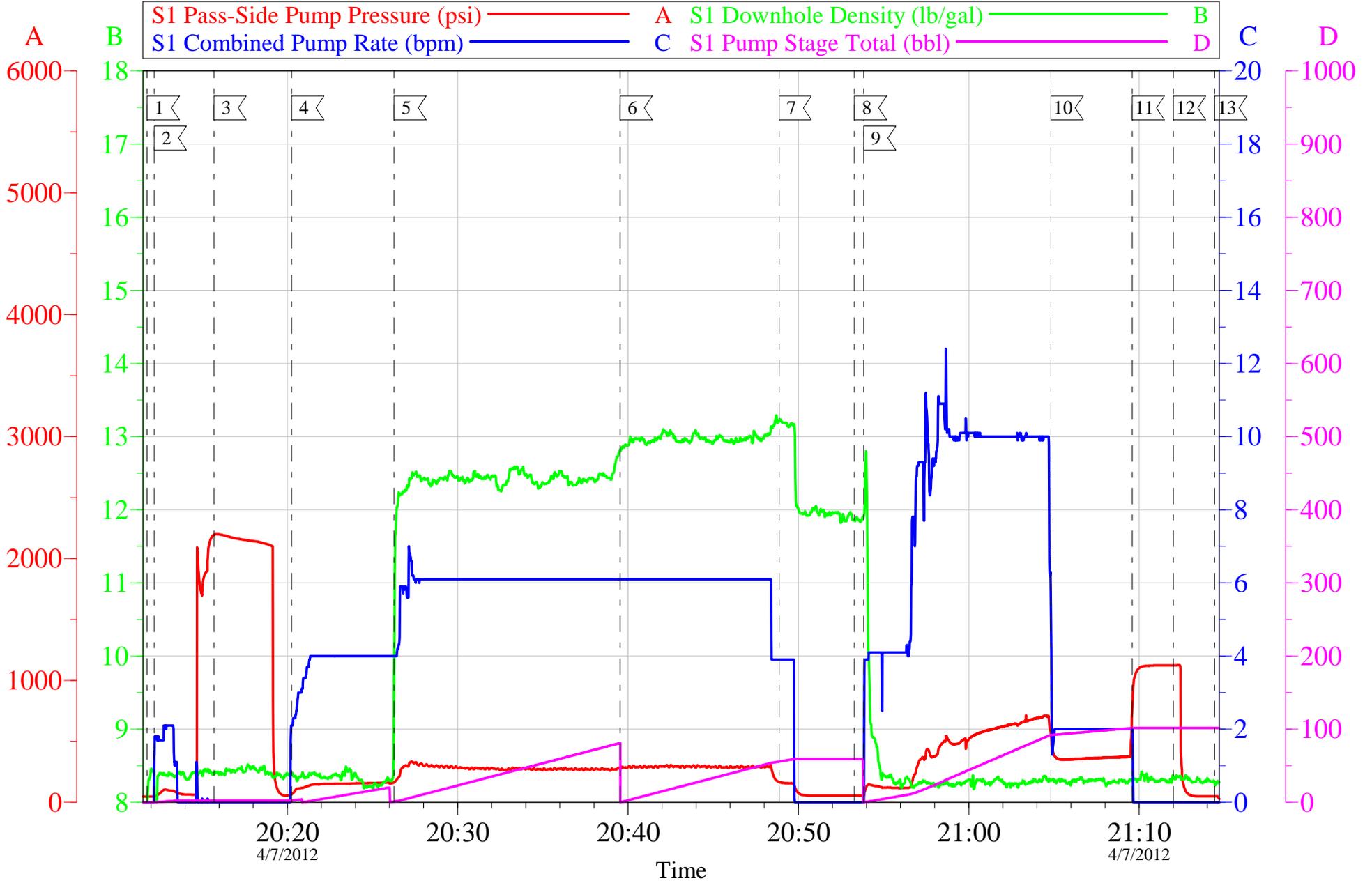
Local Event Log								
1	START JOB	20:11:47	2	FILL LINES	20:12:11	3	TEST LINES	20:15:42
4	H2O SPACER	20:20:15	5	LEAD CEMENT	20:26:16	6	TAIL CEMENT	20:39:32
7	SHUTDOWN	20:48:52	8	DROP PLUG	20:53:17	9	H2O DISPLACEMENT	20:53:50
10	SLOW RATE	21:04:49	11	BUMP PLUG	21:09:36	12	CHECK FLOATS	21:12:01
13	END JOB	21:14:26						

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Job Date: 07-Apr-2012	Sales Order #: 9371334
Well Description: KP 423-8	Job Type: SURFACE	ADC Used: YES
Company Rep: M.HUTSON	Cement Supervisor: C.SMITH	Elite #3: L.CASTILLO

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07-Apr-12 21:21

# WILLIAMS KP 423-8

9.625" SURFACE



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OptiCem v6.4.10  
07-Apr-12 21:21

# HALLIBURTON

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## Water Analysis Report

Company: WILLIAMS

Date: 04.07.2012

Submitted by: Chris Smith

Date Rec.: \_\_\_\_\_

Attention: J.Trout

S.O.# 9371334

Lease NAB 574

Job Type: SURFACE

Well # KP423-8

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>220</b> Mg / L
Hrdness	<i>500</i>	<b>0</b> Mg / L
Iron (FE2)	<i>300</i>	<b>200</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>0</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>&lt;200</b> Mg / L
Temp	<i>40-80</i>	<b>60</b> Deg
Total Dissolved Solids		<b>380</b> Mg / L

Respectfully: Chris Smith

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 it

<b>Sales Order #:</b> 9371334	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 4/7/2012
<b>Customer:</b> WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> MATT HUDSON		<b>API / UWI: (leave blank if unknown)</b> 05-045-20996
<b>Well Name:</b> KP		<b>Well Number:</b> 423-8
<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	4/7/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUDSON
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	

<b>CUSTOMER SIGNATURE</b>
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### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	4/7/2012
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	2
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	1.5
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	7
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

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Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	97
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0