

**HALLIBURTON**

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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**RGU 24-25-198  
SULPHUR CREEK  
Rio Blanco County , Colorado**

**Cement Multiple Stages**

**23-Jul-2012**

**Post Job Summary**

*The Road to Excellence Starts with Safety*

Sold To #: 300721	Ship To #: 2885912	Quote #:	Sales Order #: 9664066
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Brunk, Andrew	
Well Name: RGU	Well #: 24-25-198	API/UWI #: 05-103-11876	
Field: SULPHUR CREEK	City (SAP): MEEKER	County/Parish: Rio Blanco	State: Colorado
Lat: N 39.928 deg. OR N 39 deg. 55 min. 40.998 secs.		Long: W 108.346 deg. OR W -109 deg. 39 min. 13.475 secs.	
Contractor: CYCLONE 29	Rig/Platform Name/Num: CYCLONE 29		
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: SCOTT, KYLE		Srcv Supervisor: DEUSSEN, EDWARD MBU ID Emp #: 485182	

**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	BROWN, TRAVIS A	0.0	396848	CHASTAIN, DERICK Allan	0.0	455848
DEUSSEN, EDWARD Eric	0.0	485182	ROMKEE, DALE Alan	0.0	488215			

**Equipment**

HES Unit #	Distance-1 way						
10744549	30 mile	10867304	30 mile	10872429	30 mile	10995027	30 mile
10998054	30 mile	11259885	30 mile	11808847	30 mile	4902	30 mile
4905	30 mile	HBL-2000-3	30 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	Formation Depth (MD)	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	Date	Time	Time Zone
	Top Bottom	BHST	3932. ft	Wk Ht Above Floor	From To	Called Out	22 - Jul - 2012	02:30
				4. ft		On Location	22 - Jul - 2012	20:00
						Job Started	22 - Jul - 2012	23:13
						Job Completed	23 - Jul - 2012	03:00
						Departed Loc	23 - Jul - 2012	04:45

**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
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		

**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
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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	1st Stage Lead Cement	ECONOCEM (TM) SYSTEM (452992)	670.0	sacks	12.8	1.77	9.34		9.34
		9.34 Gal	FRESH WATER						
3	1st Stage Tail Cement	VARICEM (TM) CEMENT (452009)	200.0	sacks	12.8	1.96	10.95		10.95
		10.95 Gal	FRESH WATER						
4	Displacement		300.00	bbl	8.33	.0	.0	.0	
5	Mud Displacement			bbl	.	.0	.0	.0	
6	Fresh Water Spacer		20.00	bbl	8.33	.0	.0	.0	
7	2nd Stage Tail Cement	VARICEM (TM) CEMENT (452009)	1070.0	sacks	12.8	1.96	10.95		10.95
		10.95 Gal	FRESH WATER						
8	Displacement		140.00	bbl	8.33	.0	.0	.0	
9	SUPER FLUSH 100	SUPER FLUSH 100 - SBM (12191)	0.00	bbl	11.7	.0	.0	.0	
10	HalCem TopOut	HALCEM (TM) SYSTEM (452986)		sacks	15.8	1.15	5.01		5.01
		5.01 Gal	FRESH WATER						
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	0 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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Legal Description:			
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Contractor: CYCLONE 29		Rig/Platform Name/Num: CYCLONE 29	
Job Purpose: Cement Multiple Stages			Ticket Amount:
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: SCOTT, KYLE		Srvc Supervisor: DEUSSEN, EDWARD	MBU ID Emp #: 485182

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/22/2012 14:30							
Pre-Convoy Safety Meeting	07/22/2012 16:45							
Crew Leave Yard	07/22/2012 17:00							1 ELITE, 1 660, 1 PICKUP, 2 FIELD STORAGE SILOS
Arrive At Loc	07/22/2012 20:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	07/22/2012 20:30							
Pre-Rig Up Safety Meeting	07/22/2012 21:45							
Rig-Up Equipment	07/22/2012 22:00							1 HARD LINE TO STANDPIPE, 2 WATER HOSES TO UPRIGHTS, BULK HOSES TO SILOS AND 660
Pre-Job Safety Meeting	07/22/2012 22:45							
Start Job	07/22/2012 23:13							TD 3944, TP 3934.53, SJ 45.80, OH 14 3/4 TO 1779 FT, 13 1/2 TO TD, CSG 9 5/8, 40 LB FOR FIRST 425 FT, 36 LBS FOR REST OF CASING, MUD WT 9.0, PV 5, YP 10 MSC LOCATED AT 1814 FT
Pump Water	07/22/2012 23:14		2	2			67.0	FILL LINES
Pressure Test	07/22/2012 23:18							PRESSURED UP TO 3630 PSI
Pump Spacer 1	07/22/2012 23:23		4	20			140.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	07/22/2012 23:32		8	203			404.0	670 SKS, 12.8 PPG, 1.77 YIELD, 9.34 GAL/SK - ADDED TUFF FIBER TO FIRST 100 BBLS
Pump Tail Cement	07/23/2012 00:08		8	68			390.0	200 SKS, 12.8, 1.96 YIELD, 10.95 GAL/SK
Shutdown	07/23/2012 00:22							
Drop Top Plug	07/23/2012 00:25							PULLED CAP TO DROP PLUG
Pump Displacement	07/23/2012 00:28		8	130			268.0	FRESH WATER
Slow Rate	07/23/2012 00:50		5	20			110.0	SLOW RATE AT 130-150 BBL TO PASS WIPER DART THROUGH TOOL
Pump Displacement	07/23/2012 00:55		8	150			991.0	
Bump Plug	07/23/2012 01:10		4				746.0	1 BBL BACK
Check Floats	07/23/2012 01:11							FLOATS HELD
Drop Opening Device For Multiple Stage Cementer	07/23/2012 01:12							WAIT 10 MINUTES
Pump Spacer 1	07/23/2012 01:29		4	20			375.0	FRESH WATER - PRESSURE UP TO OPEN MSC - CUSTOMER DID NOT WANT TO WAIT BETWEEN STAGES, BUILT TUB ONCE RETURNS WERE ESTABLISHED
Pump Tail Cement	07/23/2012 01:36		8	389			465.0	1070 SKS, 12.8 PPG, 1.96 YIELD, 10.95 GAL/SK - CUSTOMER REQUESTED TUFF FIBER IN LAST 100 BBLS
Shutdown	07/23/2012 02:31							DROP MULTIPLE STAGE CLOSING PLUG
Pump Displacement	07/23/2012 02:34		8	138			619.0	FRESH WATER - GOT 102 BBLS CEMENT BACK FROM 1ST STAGE, 15 BBLS CEMENT BACK ON 2ND STAGE

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Quote #:

Sales Order #:

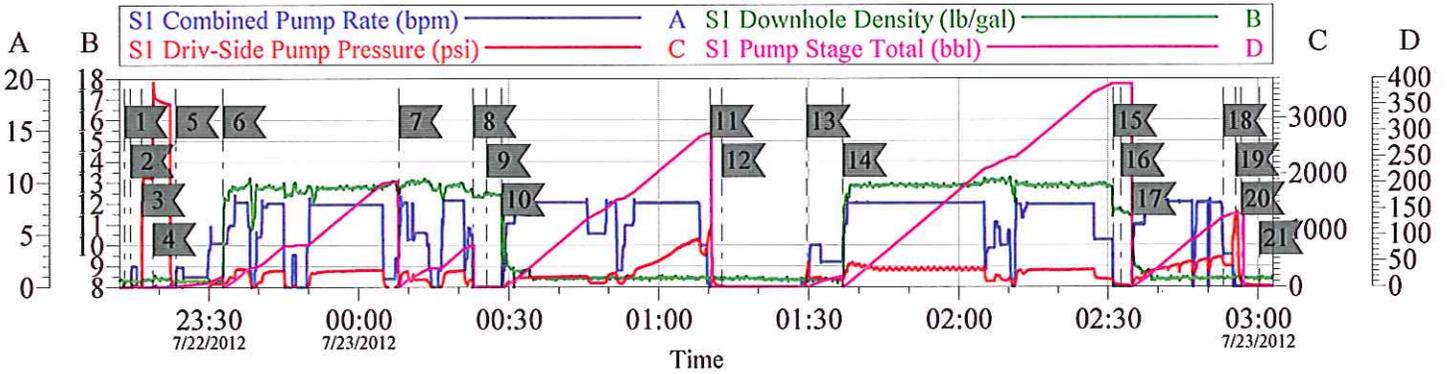
9664066

SUMMIT Version: 7.3.0030

Tuesday, August 07, 2012 10:06:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	07/23/2012 02:53		4	10			442.0	
Close Multiple Stage Cementer	07/23/2012 02:55							
Other	07/23/2012 02:56							RELEASED PRESSURE - MSC CLOSED
End Job	07/23/2012 03:00							DID NOT USE OR CHARGE FOR SUPERFLUSH, TOPOUT, BOOSTER PUMP, CALCIUM CHLORIDE, SUGAR - AND DID NOT WAIT BETWEEN PUMPING STAGES.
Pre-Rig Down Safety Meeting	07/23/2012 03:15							
Rig-Down Equipment	07/23/2012 03:30							
Pre-Convoy Safety Meeting	07/23/2012 04:30							
Crew Leave Location	07/23/2012 04:45							
Other	07/23/2012 04:46							THANK YOU FOR USING HALLIBURTON AND ED DEUSSEN AND CREW

WPX - RGU 24-25-198  
9 5/8 SURFACE - STAGE 1



Local Event Log

1	START JOB	7/22/2012 23:13:08	2	FILL LINES	7/22/2012 23:14:19
3	5TH GEAR STALL OUT	7/22/2012 23:16:31	4	PRESSURE TEST	7/22/2012 23:18:42
5	PUMP WATER SPACER	7/22/2012 23:23:23	6	PUMP LEAD CEMENT	7/22/2012 23:32:52
7	PUMP TAIL CEMENT	7/23/2012 00:08:07	8	SHUTDOWN	7/23/2012 00:22:53
9	DROP WIPER PLUG	7/23/2012 00:25:39	10	PUMP DISPLACEMENT	7/23/2012 00:28:35
11	BUMP PLUG	7/23/2012 01:10:22	12	DROP OPENING PLUG	7/23/2012 01:12:42
13	OPEN MSC/ H2O SPACER	7/23/2012 01:29:42	14	TAIL CEMENT	7/23/2012 01:36:52
15	SHUT DOWN	7/23/2012 02:31:07	16	DROP CLOSING PLUG	7/23/2012 02:32:37
17	PUMP DISPLACEMENT	7/23/2012 02:34:55	18	SLOW RATE	7/23/2012 02:53:02
19	CLOSE MSC	7/23/2012 02:55:27	20	CHECK FLOATS	7/23/2012 02:56:34
21	END JOB	7/23/2012 03:00:19			

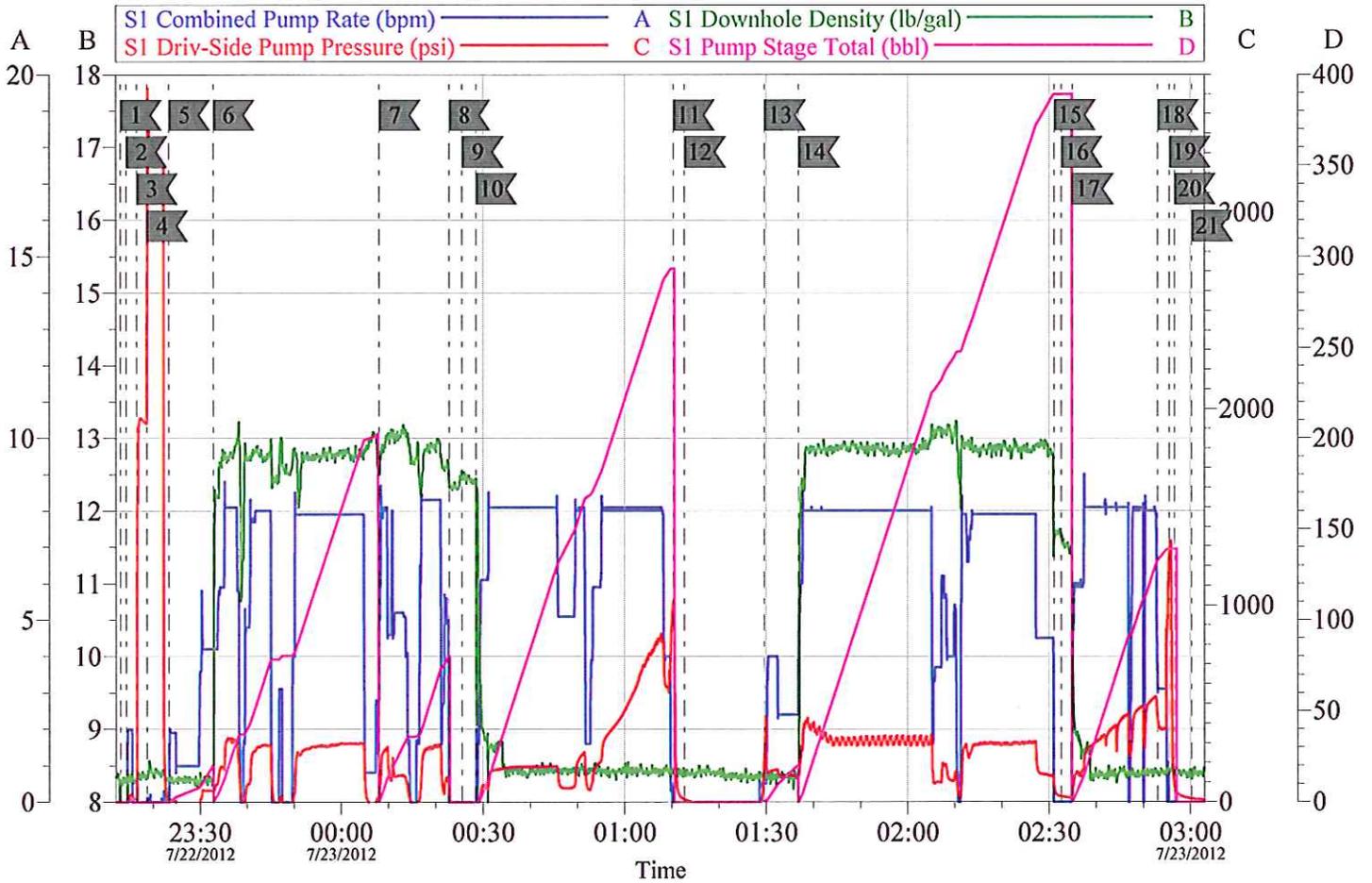
Customer: WPX  
Well Description: RGU 24-25-198

Job Date: 22-Jul-2012  
JOB TYPE: SURFACE

Sales Order #: 9664066  
ADC USED: YES

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23-Jul-12 03:15

WPX - RGU 24-25-198  
9 5/8 SURFACE - STAGE 1



Customer: WPX	Job Date: 22-Jul-2012	Sales Order #: 9664066
Well Description: RGU 24-25-198	JOB TYPE: SURFACE	ADC USED: YES

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23-Jul-12 03:16