

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2345014	Quote #:	Sales Order #: 9618795
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Skalla, Justin	
Well Name: RWF	Well #: 433-18	API/UWI #: 05-045-09941	
Field: RULISON	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.524 deg. OR N 39 deg. 31 min. 25.208 secs.		Long: W 107.93 deg. OR W -108 deg. 4 min. 12.454 secs.	
Contractor: WORKOVER		Rig/Platform Name/Num: WORKOVER	
Job Purpose: Squeeze Perfs			
Well Type: Development Well		Job Type: Squeeze Perfs	
Sales Person: MAYO, MARK		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLANCHETTE, JAMES George	0.0	371360	BURKE, BRENDAN Patrick	0.0	487782	GOWEN, WESLEY M	0.0	496205
NYE, KEVEN R	0.0	460558	SLAUGHTER, JESSE Dean	0.0	454315			

Equipment

HES Unit #	Distance-1 way						
10001431	60 mile	10969711	60 mile	11259881	60 mile	11542767	60 mile
11808835	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	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	26 - Jun - 2012	10:30	MST
Form Type			BHST	On Location	26 - Jun - 2012	11:00	MST
Job depth MD	4445. m		Job Depth TVD	4445. m	Job Started	26 - Jun - 2012	11:34
Water Depth			Wk Ht Above Floor	7. m	Job Completed	26 - Jun - 2012	13:29
Perforation Depth (MD)	From		To		Departed Loc	26 - Jun - 2012	15:00

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/3rd Party (HES)

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

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	Injection Test		17.00	bbl	8.33	.0	.0	.0	
2	Tail Cement	SQUEEZECM (TM) SYSTEM (452971)	150.0	sacks	17.	.99	3.77		3.77
	0.5 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	3.77 Gal	FRESH WATER							
3	Displacement		17.00	bbl	8.33	.0	.0	.0	
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: WORKOVER		Rig/Platform Name/Num: WORKOVER	
Job Purpose: Squeeze Perfs			Ticket Amount:
Well Type: Development Well		Job Type: Squeeze Perfs	
Sales Person: MAYO, MARK		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/26/2012 10:00							PLUG 6307 FT, PACKER 4445 FT, PERF 4527 FT TO 4733 FT, TUB 2 3/8 IN J-55 GRADE, CSG 4 1/2 IN 11.6 LB/FT, WF 8.33 PPG
Pre-Convoy Safety Meeting	06/26/2012 10:10							WITH ALL HES PERSONNEL
Crew Leave Location	06/26/2012 10:15							HES CREW LEFT FROM PREVIOUS SQUEEZE LOCATION
Arrive At Loc	06/26/2012 10:30							RIG WAS STATIC UPON HES ARRIVAL
Assessment Of Location Safety Meeting	06/26/2012 10:40							WITH ALL HES PERSONNEL
Other	06/26/2012 10:50							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	06/26/2012 10:55							WITH ALL HES PERSONNEL
Rig-Up Equipment	06/26/2012 11:00							
Pre-Job Safety Meeting	06/26/2012 11:30							WITH ALL PERSONNEL ON LOCATION
Start Job	06/26/2012 11:34							RIG HAD 600 PSI ON BACKSIDE DURING JOB
Other	06/26/2012 11:35		0.16	0.16			.1	FILL LINES WITH FRESH WATER
Test Lines	06/26/2012 11:36							TESTED LINES TO 5195 PSI PRESSURE HOLDING
Pump Water	06/26/2012 11:41		0.32	2.7			9.0	FRESH WATER. INJECTION TEST

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	06/26/2012 11:57		0.27	4.25			.4	150 SKS AT 17 PPG, .99 FT3/SK, 3.77 GAL/SK. HES PUMPED 10 BBL AT 15.8 PPG AS PER COMPANY REP AND THE REST OF THE SLURRY AT 17 PPG
Pump Displacement	06/26/2012 12:19		0.08	2.39			5.6	FRESH WATER RATE CHANGES DUE TO PUMP LOSING PRIME WELL WAS ON A SUCK REGAINED PRIME AT 11.5 BBL GONE. SHUTDOWN TO LET PRESSURE FALL BACK TO 398 PSI RESUMED PUMPING AFTER 5 MIN.
Resume	06/26/2012 12:51		0.08	0.08			5.6	RESUMED PUMPING. SHUTDOWN TO LET PRESSURE FALL BACK TO 734 PSI RESUMED PUMPING AFTER 10 MIN.
Resume	06/26/2012 12:57		0.08	0.08			10.6	RESUMED PUMPING. SHUTDOWN TO LET PRESSURE FALL BACK TO 810 PSI RESUMED PUMPING AFTER 4 MIN.
Resume	06/26/2012 13:08		0.08	0.08			14.0	RESUMED PUMPING. SHUTDOWN TO LET PRESSURE FALL BACK TO 1257 PSI RESUMED PUMPING AFTER 10 MIN.
Resume	06/26/2012 13:19		0.08	0.12			17.4	RESUMED PUMPING. SHUTDOWN TO LET PRESSURE FALL BACK TO 1310 PSI RESUMED PUMPING AFTER 10 MIN.
Resume	06/26/2012 13:24		0.08	0.08			22.4	RESUMED PUMPING. SHUTDOWN TO LET PRESSURE FALL BACK TO 615 PSI RESUMED PUMPING AFTER 4 MIN.

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Resume	06/26/2012 13:25		0.08		2.78		13.2	RESUMED PUMPING. PRESSURE BEGAN TO FALL BACK HES SHUTDOWN AND TURNED WELL OVER TO RIG TO REVERSE OUT.
Other	06/26/2012 13:28						5.9	RELEASED PRESSURE
End Job	06/26/2012 13:29							AFTER REVERSE CIRCULATED WELL, RIG APPLIED 1000 PSI ON TUBING AND PRESSURE HELD FOR 10 MIN.
Release Packer	06/26/2012 13:30						5.9	RELEASED PACKER
Reverse Circ Well	06/26/2012 13:32		0.32	5.57			6.3	RIG REVERSE CIRCULATED WELL. RETURNED TRACE AMOUNT OF CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	06/26/2012 13:35							WITH ALL HES PERSONNEL
Rig-Down Equipment	06/26/2012 13:40							
Pre-Convoy Safety Meeting	06/26/2012 14:50							WITH ALL HES PERSONNEL
Crew Leave Location	06/26/2012 15:00							
Comment	06/26/2012 15:01							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.