

**HALLIBURTON**

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# **WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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**RWF 22-35  
Rulison  
Garfield County , Colorado**

**Squeeze Perfs  
11-Oct-2012**

**Post Job Report**

*The Road to Excellence Starts with Safety*

Sold To #: 300721	Ship To #: 2932370	Quote #:	Sales Order #: 9879656
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: Cady, Bob		
Well Name: RWF	Well #: 22-35	API/UWI #: 05-045-20459	
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.483 deg. OR N 39 deg. 29 min. 0.308 secs.	Long: W 107.863 deg. OR W -108 deg. 8 min. 13.639 secs.		
Contractor: WORKOVER	Rig/Platform Name/Num: WORKOVER		
Job Purpose: Squeeze Perfs			
Well Type: Development Well	Job Type: Squeeze Perfs		
Sales Person: MAYO, MARK	Srv Supervisor: CHASTAIN, DERICK	MBU ID Emp #: 455848	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHASTAIN, DERICK Allan	5.5	455848	MILLER, KEVIN Paul	5.5	443040	MILLER II, MATTHEW Reginald	5.5	425164
ROMKEE, DALE Alan	5.5	488215						

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248065	60 mile	10951251	60 mile	11223557	60 mile	11583915	60 mile

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/11/2012	5.5	2.5						

**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
Form Type			BHST	On Location	11 - Oct - 2012	09:30	MST
Job depth MD	5203. ft		Job Depth TVD	Job Started	11 - Oct - 2012	11:16	MST
Water Depth			Wk Ht Above Floor	Job Completed	11 - Oct - 2012	13:03	MST
Perforation Depth (MD)	From		To	Departed Loc	11 - Oct - 2012	15:00	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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**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 lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Injection Test			3.00	bbl	8.33	.0	.0	.5	

**HALLIBURTON****Cementing Job Summary**

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	
2	SqueezeCem Tail Cement	SQUEEZECM (TM) SYSTEM (452971)	50.0	sacks	12.7	.86	4.46	2	4.46	
4.46 Gal		FRESH WATER								
3	Displacement		18.00	bbl	8.33	.0	.0	2.5		
Calculated Values		Pressures		Volumes						
Displacement	18	Shut In: Instant		Lost Returns		Cement Slurry	7.6	Pad		
Top Of Cement		5 Min		Cement Returns	1	Actual Displacement	17.5	Treatment		
Frac Gradient		15 Min		Spacers	2.6	Load and Breakdown		Total Job	32	
Rates										
Circulating	2	Mixing	2	Displacement	2.5	Avg. Job	1			
Cement Left In Pipe	Amount	250 ft	Reason							
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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Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.483 deg. OR N 39 deg. 29 min. 0.308 secs.		Long: W 107.863 deg. OR W -108 deg. 8 min. 13.639 secs.	
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: CHASTAIN, DERICK	MBU ID Emp #: 455848

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/11/2012 05:00							DISPATCH CALLS OUT CREW
Pre-Convoy Safety Meeting	10/11/2012 07:30							WITH ALL HES PERSONNEL
Arrive at Location from Service Center	10/11/2012 09:30							RIG WAS PULLING TUBING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	10/11/2012 09:40							WITH ALL HES PERSONNEL
Other	10/11/2012 09:50							SPOT EQUIPMENT. 1 RED TIGER, 1 400 BULK TRUCK, 1 F450 PICKUP, 1 WATER TRANSPORT.
Pre-Rig Up Safety Meeting	10/11/2012 10:00							WITH ALL HES PERSONNEL
Rig-Up Equipment	10/11/2012 10:15							IRON FROM TRUCK TO MANIFOLD, FROM MANIFOLD TO RIG FLOOR. OTHER SIDE OF MANIFOLD GOES TO PIT.
Pre-Job Safety Meeting	10/11/2012 11:00							WITH ALL PERSONNEL ON LOCATION
Start Job	10/11/2012 11:16							2.375" 4.7# TUBING OPEN ENDED AT 5203', 4.5" 11.6# CASING, D/V TOOL AT 5148', 8.7 PPG PROD. H2O WF
Other	10/11/2012 11:17		2	2			365.0	FILL LINES
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Quote # :

Sales Order # :

9879656

SUMMIT Version: 7.3.0040

Sunday, October 14, 2012 03:26:00

## Cementing Job Log

Test Lines	10/11/2012 11:19							STAGED TEST AT 1460 PSI, THEN TESTED TO 6000 PSI. HELD PRESSURE FOR 2 MIN, NO LEAKS.
Circulate Well	10/11/2012 11:25						27.0	ESTABLISH CIRCULATION
Injection Test	10/11/2012 11:28		0.5	2.6			3800.0	FRESH WATER
ISIP	10/11/2012 11:33						3600.0	ISIP NOTED, MIX TUB UP
Pump Cement	10/11/2012 11:55		2	7.6			120.0	50 SKS AT 12.7 PPG, 0.86 FT3/SK, 4.46 GAL/SK. WET AND DRY SAMPLES SUBMITTED.
Pump Displacement	10/11/2012 12:01		2.5	17.5			348.0	FRESH H2O.
Shutdown	10/11/2012 12:07						.0	SHUTDOWN 0.5 BBL EARLY AND LET PLUG BALANCE. RIG PULLS 16 STANDS. PULLED DRY.
Clean Lines	10/11/2012 12:11							WASHUP PUMP TO PIT.
Pump Water	10/11/2012 12:45		0.5	1.8			2900.0	SQUEEZE WITH FRESH H2O. PRESSURE FELL OFF TO 2877
Shutdown	10/11/2012 12:49						2877.0	HESITATE
Pump Water	10/11/2012 12:53		0.5	0.5			3840.0	SQUEEZE WITH FRESH H2O
Shutdown	10/11/2012 12:55						3947.0	HESITATE.
Pump Water	10/11/2012 12:56		0.5	0.2			4850.0	SQUEEZE WITH FRESH H2O
Shutdown	10/11/2012 12:57						4940.0	HESITATE. WELL SQUEEZED OFF
Release Tubing Pressure	10/11/2012 13:02						.0	RELEASE PRESSURE. RIG REVERSES 2 TBG VOLUMES THROUGH HES IRON.
End Job	10/11/2012 13:03							APPROX. 1 BBLS CMT CIRC. TO PIT. 20 LBS SUGAR USED. NO DERRICK CHARGE OR ADD HOURS.
Pre-Rig Down Safety Meeting	10/11/2012 13:15							WITH ALL HES PERSONNEL
Rig-Down Equipment	10/11/2012 13:30							

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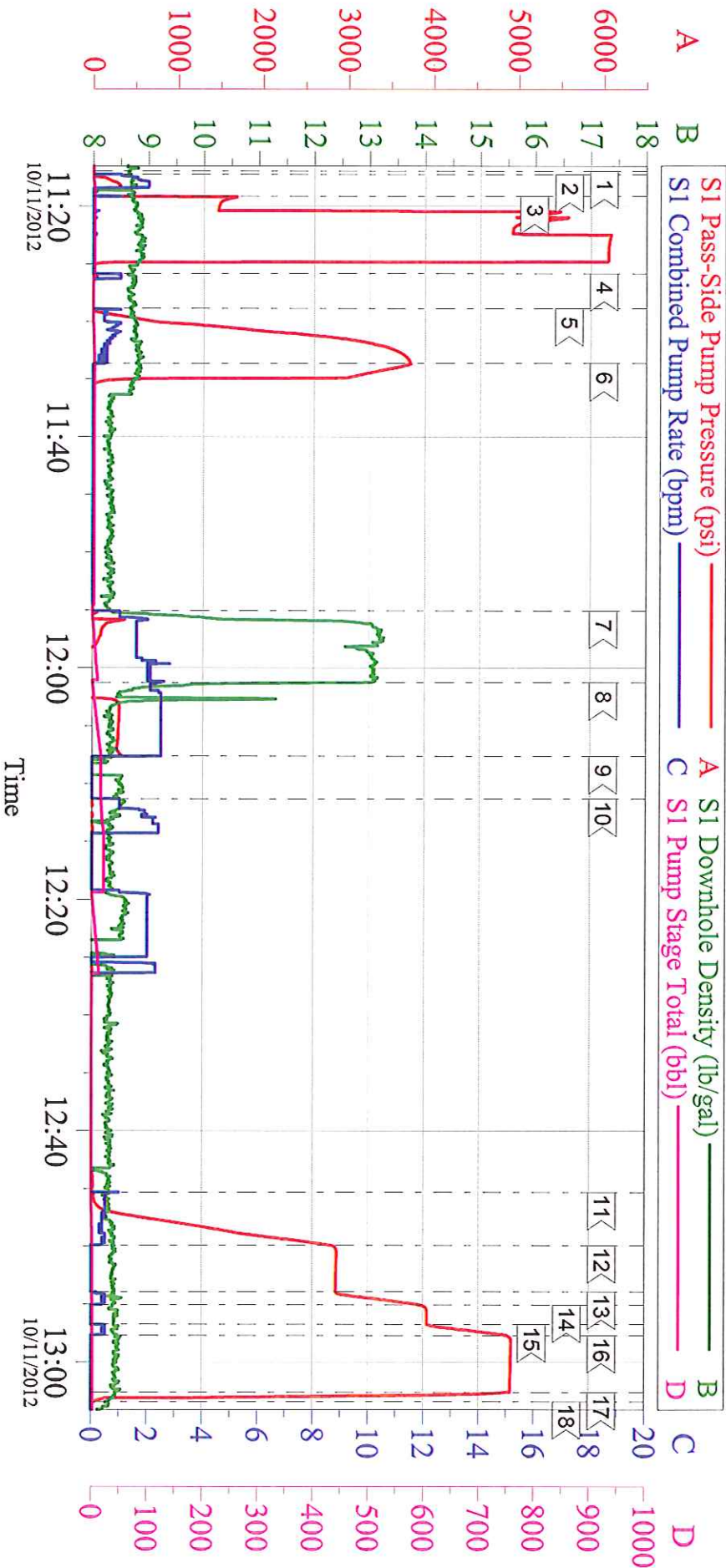
SUMMIT Version: 7.3.0040

Sunday, October 14, 2012 03:26:00

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	10/11/2012 14:50							WITH ALL HES PERSONNEL
Crew Leave Location	10/11/2012 15:00							LEFT LOCATION FREE OF DEBRESS
Comment	10/11/2012 15:00							THANK YOU FOR CHOOSING HALLIBURTON. DERICK CHASTAIN AND CREW.



# WPX Energy - RWF 22-35 SQUEEZE



## Local Event Log

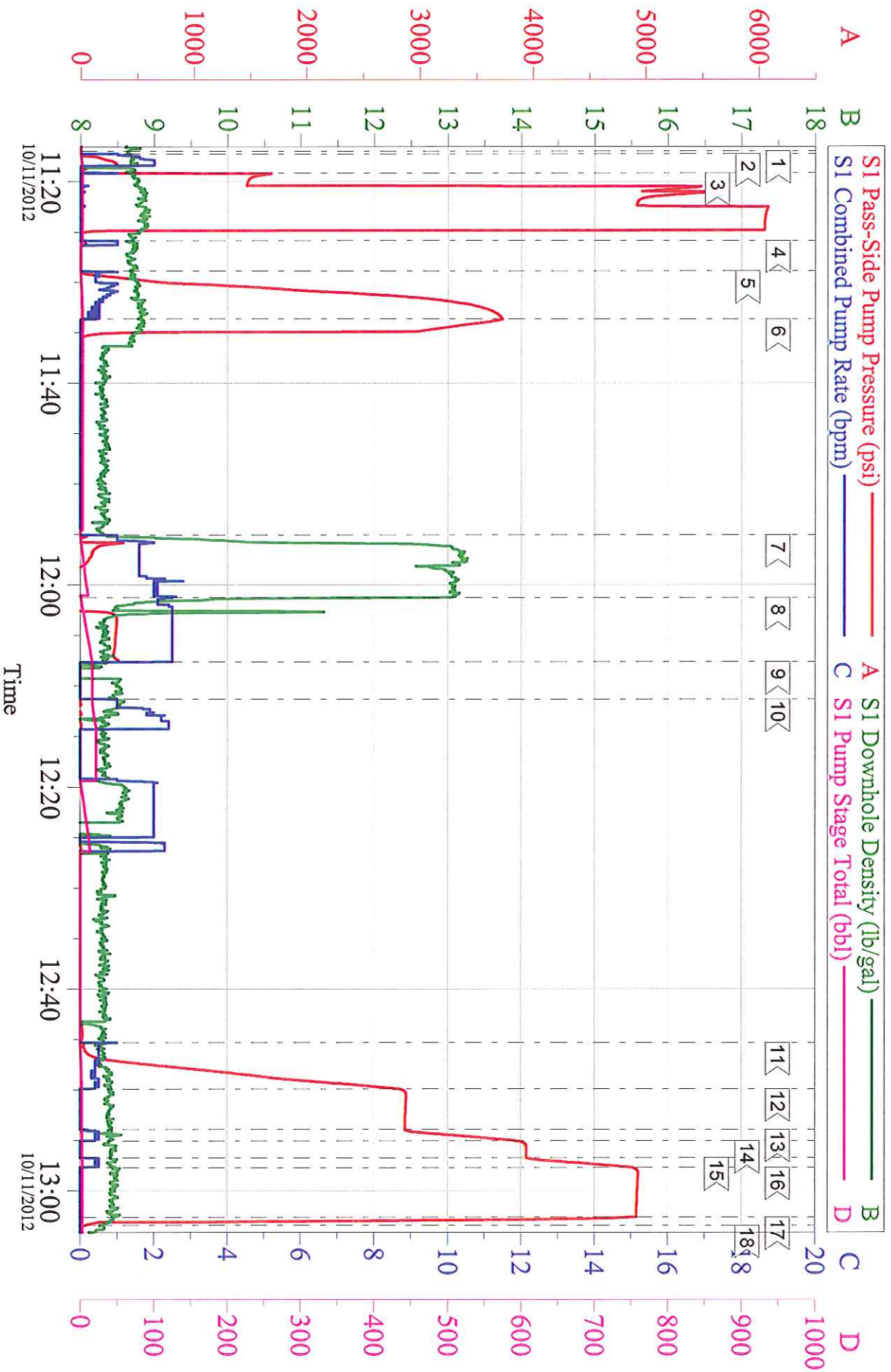
1	START JOB	11:16:57	2	FILL LINES	11:17:16	3	TEST LINES	11:19:08
4	CIRCULATE WELL	11:25:51	5	INJECTION TEST	11:28:53	6	ISIP	11:33:39
7	PUMP CEMENT	11:55:04	8	PUMP DISPLACEMENT	12:01:16	9	SHUTDOWN	12:07:37
10	WASH UP TO PIT	12:11:19	11	PUMP H2O	12:45:18	12	HESITATE	12:49:54
13	PUMP H2O	12:53:55	14	HESITATE	12:55:03	15	PUMP H2O	12:56:45
16	HESITATE	12:57:42	17	RELEASE PRESSURE	13:02:37	18	END JOB	13:03:25

Customer: WPX Energy  
Well Description: RWF 22-35  
Company Rep: BOB CADY

Job Date: 11-Oct-2012  
Job Type: SQUEEZE  
Cement Supervisor: DERICK CHASTAIN

Sales Order #: 9879656  
ADC Used: YES  
Red Tiger: REGGIE MILLER

# WPX Energy - RWF 22-35 SQUEEZE



Customer:	WPX Energy	Job Date:	11-Oct-2012	Sales Order #:	9879656
Well Description:	RWF 22-35	Job Type:	SQUEEZE	ADC Used:	YES
Company Rep:	BOB CADY	Cement Supervisor:	DERICK CHASTAIN	Red Tiger:	REGGIE MILLER