
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 12-29
PARACHUTE
Garfield County , Colorado**

**Squeeze Perfs
04-Jul-2012**

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2923974	Quote #:	Sales Order #: 9628697
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Runberg, Jarod	
Well Name: PA		Well #: 12-29	API/UWI #: 05-045-19550
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.49 deg. OR N 39 deg. 29 min. 23.809 secs.		Long: W 108.023 deg. OR W -109 deg. 58 min. 36.307 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: JAMISON, PRICE	MBU ID Emp #: 229155

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JAMISON, PRICE W	6.5	229155	Laulainen, Roger	6.5	524413	WALPOLE, DARREN Livingston	6.5	485294
WYCKOFF, RYAN Scott	6.5	476117						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	60 mile	10784064	60 mile	11006314	60 mile	11583934	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
7/3/12	1.5	0	7/4/12	5				

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	04 - Jul - 2012	01:30	MST
Form Type		BHST	Job Started	04 - Jul - 2012	04:30	MST
Job depth MD	4600. ft	Job Depth TVD	4600. ft	Job Completed	04 - Jul - 2012	07:30
Water Depth		Wk Ht Above Floor		Departed Loc	04 - Jul - 2012	08:17
Perforation Depth (MD)	<i>From</i>	<i>To</i>			04 - Jul - 2012	09:30

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
Bridge Plug	Unknown							4700.	4700.		
Perfs	Unknown							4600.	4600.		
Retainer	Unknown							4550.	4551.		
Production Casing	Unknown		4.5	4.	11.6			0.	4700		
2 3/8" Tubing	Unknown		2.375	1.995	4.7			.0	4550.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	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 lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Injection Test					20.00	bbl	8.33	.0	.0	2.0		
2	SqueezeCem Tail Cement	SQUEEZECEM (TM) SYSTEM (452971)				200.0	sacks	15.8	1.15	4.98	2.0	4.98	
		4.98 Gal FRESH WATER											
3	Displacement					17.5	bbl	8.33	.0	.0	2.0		
Calculated Values			Pressures			Volumes							
Displacement	17.5	Shut In: Instant			Lost Returns		NO	Cement Slurry		41	Pad		
Top Of Cement	???	5 Min			Cement Returns		NO	Actual Displacement		17.5	Treatment		
Frac Gradient		15 Min			Spacers		20	Load and Breakdown			Total Job		79
Rates													
Circulating		Mixing			2	Displacement		2	Avg. Job		2		
Cement Left In Pipe		Amount	50 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							

The Road to Excellence Starts with Safety

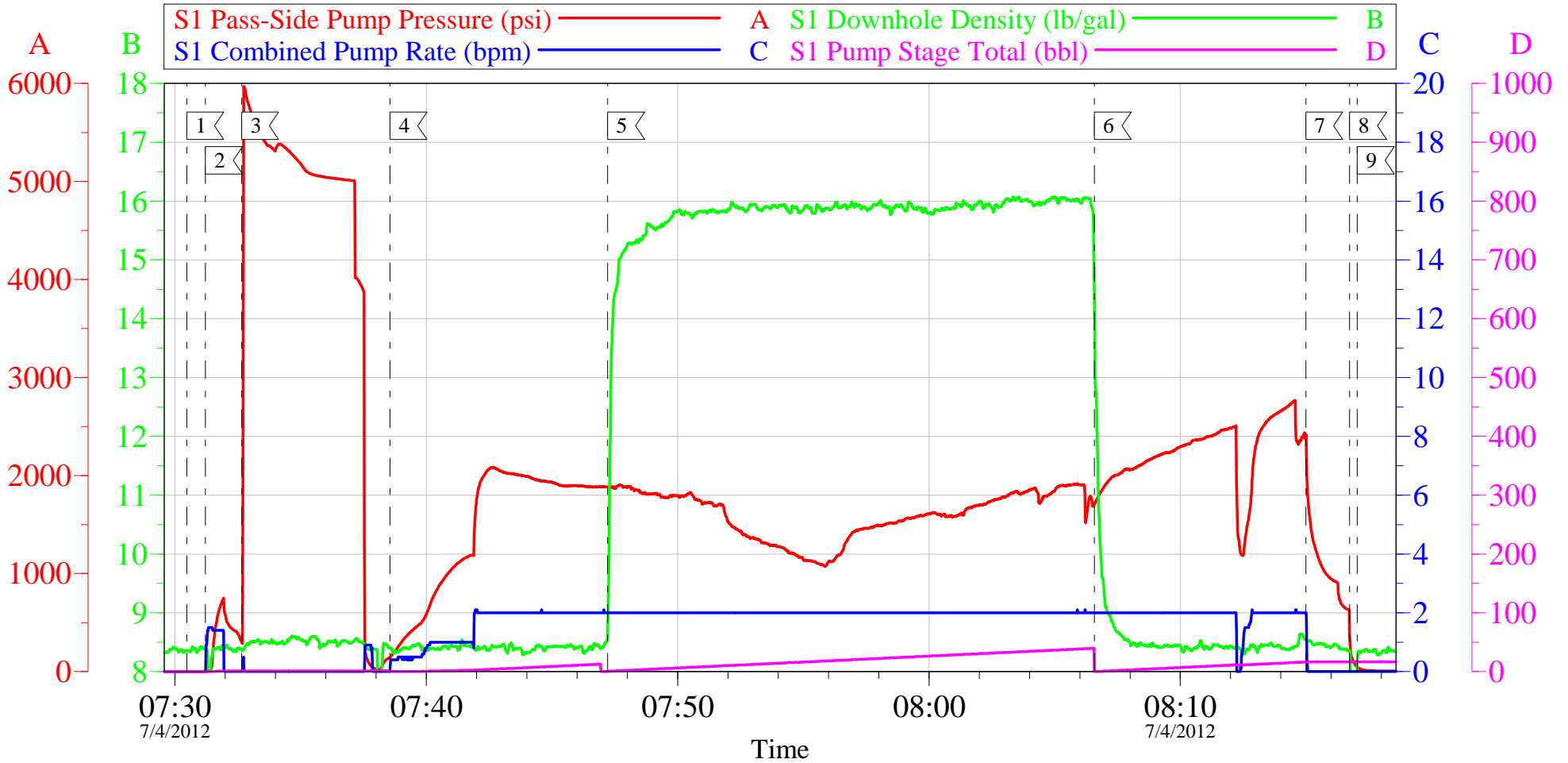
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Well Name: PA		Well #: 12-29	API/UWI #: 05-045-19550
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: WORKOVER		Rig/Platform Name/Num: WORKOVER	
Job Purpose: Squeeze Perfs			Ticket Amount:
Well Type: Development Well		Job Type: Squeeze Perfs	
Sales Person: MAYO, MARK		Srvc Supervisor: JAMISON, PRICE	MBU ID Emp #: 229155

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/03/2012 05:00							TUBING SET @ 4550 PERFS 4600 B.P.4700 TUBING 2.375 4.6 J-55 CASING 4.5 11.6 I-80
Depart Yard Safety Meeting	07/03/2012 08:20							
Crew Leave Yard	07/03/2012 08:30							
Arrive At Loc	07/03/2012 10:00							
Assessment Of Location Safety Meeting	07/03/2012 10:20							
Wait on Orders - Start Time	07/03/2012 10:30							
Wait on Orders - End Time	07/03/2012 11:30							CEMENT CREW RELEASED FROM LOCATION DUE TO RIG TROUBLES
Call Out	07/04/2012 01:30							
Depart Yard Safety Meeting	07/04/2012 02:50							
Crew Leave Yard	07/04/2012 03:00							
Arrive At Loc	07/04/2012 04:30							
Assessment Of Location Safety Meeting	07/04/2012 04:40							
Pre-Rig Up Safety Meeting	07/04/2012 05:00							
Pre-Job Safety Meeting	07/04/2012 07:10							
Start Job	07/04/2012 07:30							
Prime Pumps	07/04/2012 07:31		1.5	1		750.0		FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	07/04/2012 07:32						5000. 0	
Injection Test	07/04/2012 07:38		2	20		2081. 0		FRESH WATER
Pump Cement	07/04/2012 07:47		2	41		1824. 0		MIXED @ 15.8 PPG YIELD 1.15 WAT/REQ 4.98 200 SKS
Pump Displacement	07/04/2012 08:06		2					FRESH WATER
Shutdown	07/04/2012 08:15		2	17.5		2441. 0		
Open Bypass / Sting Out	07/04/2012 08:16							
Reverse Circ Well	07/04/2012 08:16		2.5	35				RIG REVERSED OUT 1 BBL CEMENT
End Job	07/04/2012 08:17							
Post-Job Safety Meeting (Pre Rig-Down)	07/04/2012 08:30							
Depart Location Safety Meeting	07/04/2012 09:20							CIRCULATION THROUGHOUT JOB
Crew Leave Location	07/04/2012 09:30							THANKS FOR USING HALLIBURTON BILL JAMISON @ CREW

WPX PA 12-29

SQUEEZE

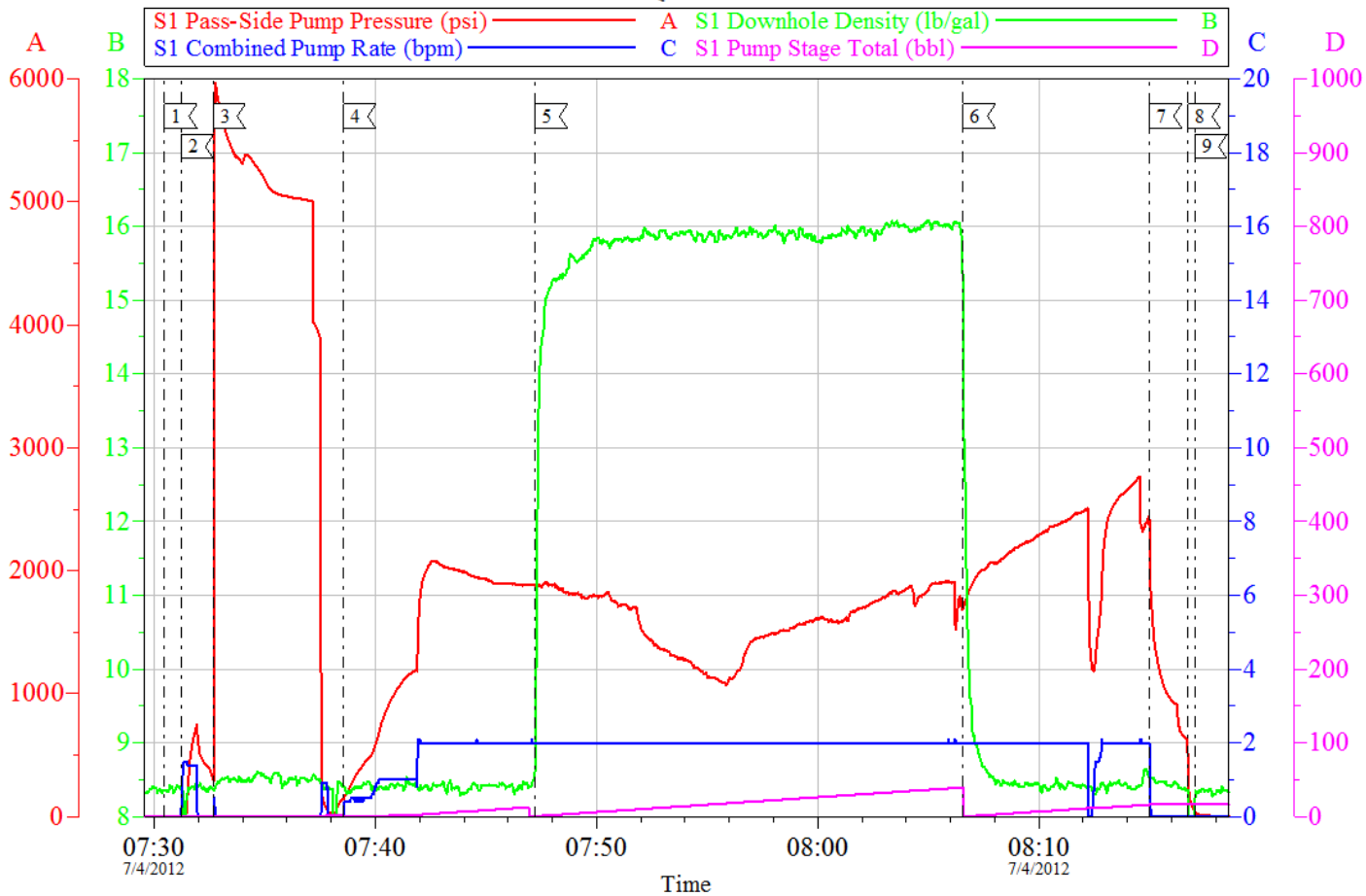


Local Event Log					
1	START JOB	07:30:28	2	PRINE LINES	07:31:13
3	TEST LINES	07:32:39	4	START INJECTION TEST	07:38:33
5	START CEMENT	07:47:13	6	START DISPLACEMENT	08:06:35
7	SHUT DOWN	08:15:00	8	STING OUT RIG REVERSE OUT	08:16:44
9	END JOB	08:17:03			

Customer: WPX	Job Date: 04-Jul-2012	Sales Order #: 9628697
Well Description: PA 12-29	Job Type: CEMENT	ADC Used: YES
Company Rep: JAROD RUNBERG	Cement Supervisor: BILL JAMISON	Elite # 3 RYAN WYCKOFF

WPX PA 12-29

SQUEEZE



Customer: WPX	Job Date: 04-Jul-2012	Sales Order #: 9628697
Well Description: PA 12-29	Job Type: CEMENT	ADC Used: YES
Company Rep: JAROD RUNBERG	Cement Supervisor: BILL JAMISON	Elite # 3 RYAN WYCKOFF

OptiCem v6.4.10
04-Jul-12 08:32

HALLIBURTON

Water Analysis Report

Company: WILLIAMS

Submitted by: BILL JAMISON

Attention: J.Trout

Lease PA 12-29

Well #

Date: 7/3/2012

Date Rec.: 7/3/2012

S.O.# 9628697

Job Type: SQUEEZE

Specific Gravity	MAX	1
pH	8	6.5
Potassium (K)	5000	400 Mg / L
Calcium (Ca)	500	120 Mg / L
Iron (FE2)	300	0 Mg / L
Chlorides (Cl)	3000	0 Mg / L
Sulfates (SO ₄)	1500	-200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	40-80	70 Deg
Total Dissolved Solids		110 Mg / L

Respectfully: BILL JAMISON

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 its use.

Sales Order #: 9628697	Line Item: 10	Survey Conducted Date: 7/4/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SQUEEZE PERFORATIONS BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19550
Well Name: PA		Well Number: 12-29
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: 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	7/4/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	PRICE JAMISON (HAL9235)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

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

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Deviated
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	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.	
Type of Rig Classification Job Was Performed	Workover
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	5
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	No

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-19550
Well Name: PA		Well Number: 12-29
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Was this a Plug or a Squeeze Job? Please select the appropriate choice	No
Was this a Primary or a Remedial Job? Kick off plug, Plug to Abandon, LCM plug or Planned Liner Top Squeeze, Squeeze of existing perforations, Squeeze of casing leak	No
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	98
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate 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	98
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0