

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

RWF 543-25

Nabors 577

Post Job Summary

Cement Surface Casing

Date Prepared: 07/13/2014
Job Date: 07/06/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3123571	Quote #:	Sales Order #: 0901487651
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS	Customer Rep: LUKE HUBBARD		
Well Name: SAVAGE	Well #: RWF 543-25	API/UWI #: 05-045-21991-00	
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SW SE-25-6S-94W-1162FSL-1381FEL			
Contractor: NABORS DRLG	Rig/Platform Name/Num: NABORS 577		
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180	Srv Supervisor: Craig Kukus		

Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1133ft
Water Depth	Wk Ht Above Floor 4 FT
Perforation Depth (MD)	From To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	9.001	32.3			0	1133		0
Open Hole Section			13.5				0	1143		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1133	Top Plug	9.625	1	HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625	1			SSR plug set	9.625		HES
Insert Float	9.625				Plug Container	9.625	1	HES
Stage Tool	9.625				Centralizers	9.625		HES

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/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.34			4	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

2	VariCem GJ1	VARICEM (TM) CEMENT	160	sack	12.3	2.38		8	13.77
13.77 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem GJ1	VARICEM (TM) CEMENT	165	sack	12.8	2.11		8	11.77
11.77 Gal		FRESH WATER							
94 lbm		TYPE I / II CEMENT, BULK (101439798)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Displacement	Displacement	85.4	bbl	8.3			10	
Cement Left In Pipe		Amount	47.49 ft		Reason		Shoe Joint		
Comment CEMENT TO SURFACE 25 BBLS TOTAL									

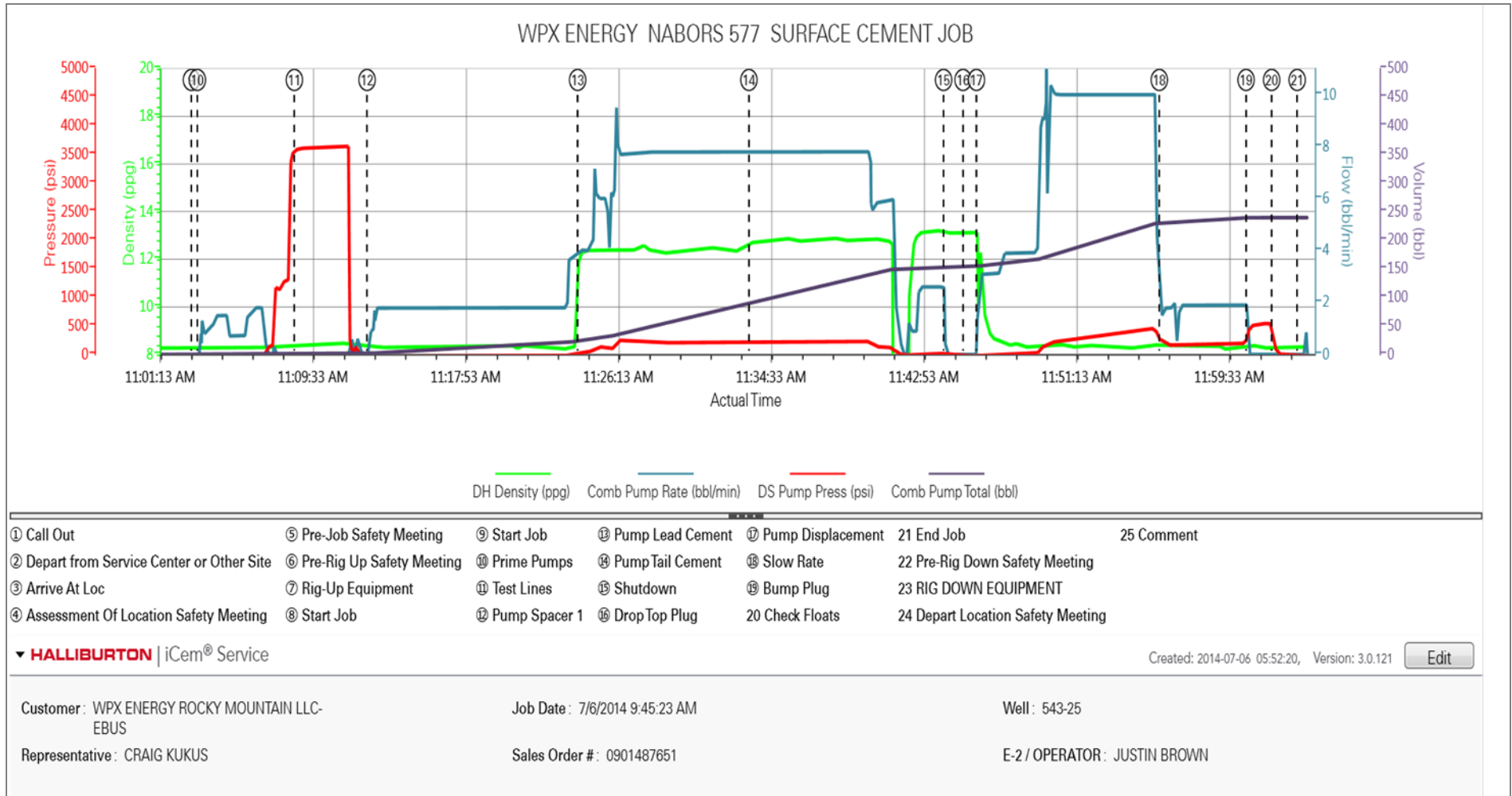
4.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	DS Pump Press (psi)	Comb Pump Total (bbl)	Comment
Event	1	Call Out	7/6/2014	01:00:00	USER					CREW CALL OUT
Event	2	Depart from Service Center or Other Site	7/6/2014	03:30:00	USER					DEPART SAFETY MEETING ALL HES CREW PRESENT
Event	3	Arrive At Loc	7/6/2014	05:00:00	USER					ARRIVE ON LOC RIG POOH W/ DP / RIG ON BOTTOM 09:00 CIRCULATING 09:10
Event	4	Assessment Of Location Safety Meeting	7/6/2014	05:15:00	USER					ASSESSMENT OF LOC ALL HES PRESENT
Event	5	Pre-Job Safety Meeting	7/6/2014	05:58:10	USER					ALL RIG PERSONEL AND HES PRESENT
Event	6	Pre-Rig Up Safety Meeting	7/6/2014	09:15:00	USER					PRE-RIG UP SAFETY MEETING ALL HES PRESENT
Event	7	Rig-Up Equipment	7/6/2014	09:20:00	USER					RIG UP TO STAND PIPE AND QUICK LATCH TO FLOOR AND RIG UP SUCTION HOSES
Event	8	Start Job	7/6/2014	09:46:07	COM6	1.01	0.00	25.00	0.0	PRIME UP PUMP / HAD TO WAIT FOR SUCK TRUCK TO ARRIVE
Event	9	Start Job	7/6/2014	11:03:03	COM6	8.30	0.00	-21.00	0.0	START JOC CALCULATIONS TD 1143 FT TP 1133.08 FT SJT 47.49 FT OH 13.5IN CSG 9 5/8 IN 32.3# USE TOP PLUG ONLY HES SUPPLIED
Event	10	Prime Pumps	7/6/2014	11:03:22	USER	8.29	0.00	-22.00	2	PRIME LINES WITH FRESH WATER
Event	11	Test Lines	7/6/2014	11:08:40	COM6	8.32	0.00	3592.00	.2	PRESSURE TEST LINES 5 T GEAR STALL OUT AT 1350 PSI
Event	12	Pump Spacer 1	7/6/2014	11:12:38	COM6	8.31	0.10	-44.00	20	PUMP H2O SPACER 20 BBLS AHEAD AND HAVE RETURNS
Event	13	Pump Lead Cement	7/6/2014	11:24:07	COM6	12.26	4.00	42.00	68	PUMP 160 SKS AT 12.3 PPG 2.38 Y 13.77 GAL/SKS HAVE RETURNS AND CEMENT DIP GOOD
Event	14	Pump Tail Cement	7/6/2014	11:33:28	COM6	12.68	7.80	217.00	62	PUMP 165 SKS TAIL CEMENT AT 12.8 PPG 2.11 Y 11.77 GAL/SKS HAVE GOOD RETURNS AND CEMENT DIP GOOD
Event	15	Shutdown	7/6/2014	11:44:05	USER	13.15	0.00	1.00	150	SHUT DOWN END CEMENT / READY TUB TO WASH UP ON TOP OF PLUG
Event	16	Drop Top Plug	7/6/2014	11:45:09	USER	13.17	0.00	-25.00	0	DROP TOP PLUG / PLUG AWAY

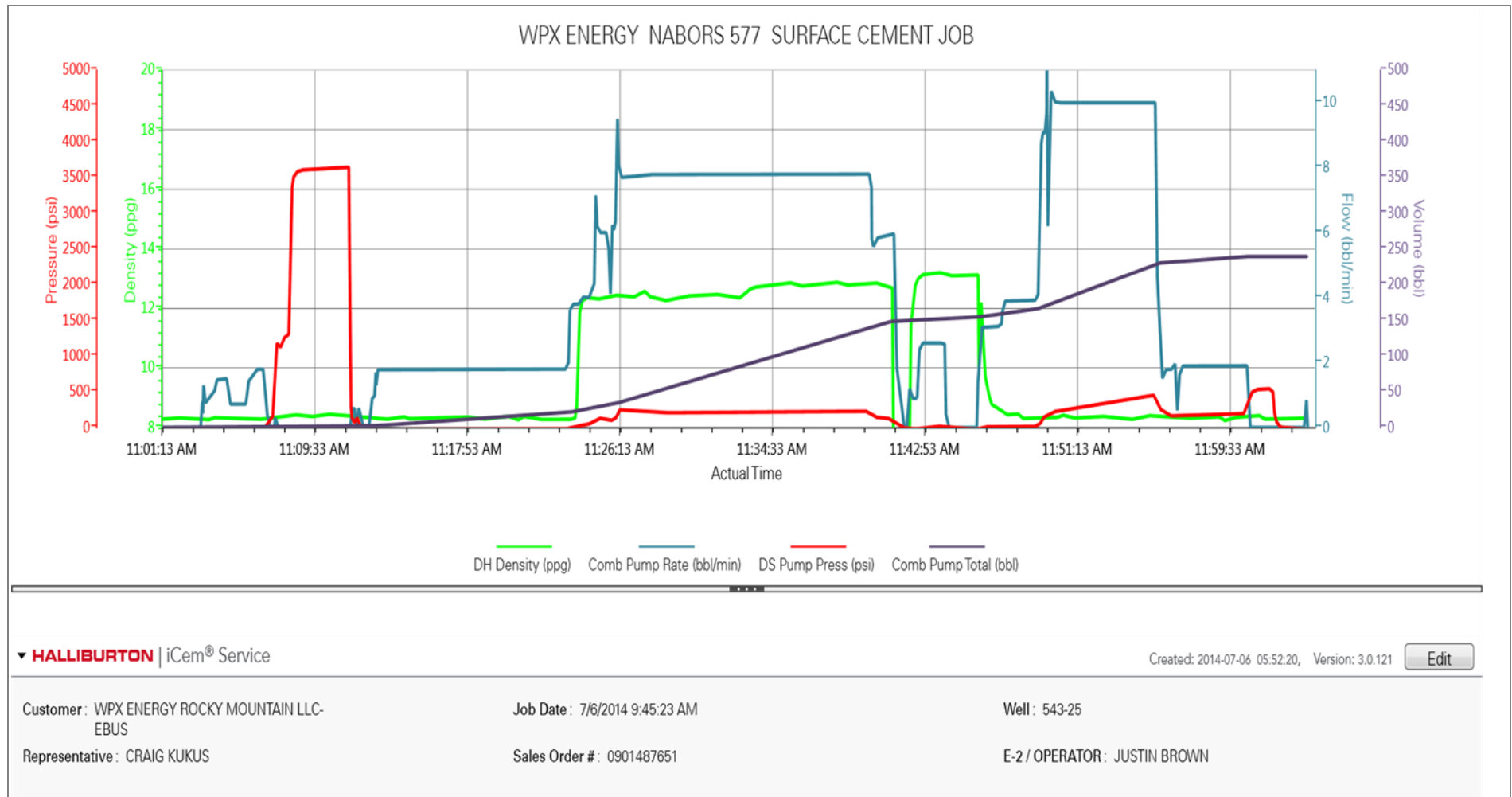
Event	17	Pump Displacement	7/6/2014	11:45:53	COM6	11.49	1.80	-16.00	75	PUMP H2O DISPLACEMENT
Event	18	Slow Rate	7/6/2014	11:55:51	USER	8.38	1.60	226.00	76	SLOW RATE LAST 10 BBLS TO 2 BBL MIN
Event	19	Bump Plug	7/6/2014	12:00:35	USER	8.35	0.00	441.00	85	PLUG LANDED AT 260 PSI
Event	20	Check Floats	7/6/2014	12:01:59	USER	8.28	0.00	158.00	85	CHECK FLOATS / FLOATS HELD .5 BBLS BACK TO TANKS
Event	21	End Job	7/6/2014	12:03:23	COM6	8.34	0.00	-28.00	235	END JOB // HAD RETURNS THRU OUT THE JOB AND CEMENT TO SURFACE TOTAL 25 BBLS
Event	22	Pre-Rig Down Safety Meeting	7/6/2014	12:05:00	USER					ALL HES PRESENT
Event	23	RIG DOWN EQUIPMENT	7/6/2014	12:20:00	USER					RIG DOWN FLOOR WASH UP PUMP / RIG DOWN LINES AND RACK UP
Event	24	Depart Location Safety Meeting	7/6/2014	13:20:00	USER					SAFETY MEETING DEPARTING LOC
Event	25	Comment	7/6/2014	13:30:00	USER					THANK YOU FOR USING HALLIBURTON CEMENTING SERVICES AND THE CREW OF CRAIG KUKUS

5.0 Attachments

5.1 WPX ENERGY -Custom Results1.png



5.2 WPX ENERGY -Custom Results2.png



HALLIBURTON

Water Analysis Report

Company: WPX ENERGY
Submitted by: CRAIG KUKUS
Attention: _____
Lease: RWF
Well #: 543-25

Date: 7/6/2014
Date Rec.: 7/6/2014
S.O.#: 901487651
Job Type: SURFACE

Specific Gravity	MAX	0
pH	8	8
Potassium (K)	5000	200 Mg / L
HARDNESS	500	125 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	68 Deg
Total Dissolved Solids		0 Mg / L

Respectfully: CRAIG KUKUS

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

Sales Order #: 0901487651	Line Item: 10	Survey Conducted Date: 7/6/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: LUKE HUBBARD		API / UWI: (leave blank if unknown) 05-045-21991-00
Well Name: SAVAGE		Well Number: 0080125646
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	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	7/6/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX19742
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	LUKE HUBBARD
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	

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	7/6/2014

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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H2S Present: No	Well State: COLORADO	Well County: GARFIELD

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
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	99
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