

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 411-7

Nabors 574

Post Job Summary

Cement Surface Casing

Date Prepared: 07/08/2014
Job Date: 05/21/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3207569	Quote #:	Sales Order #: 0901362161
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: MATT HUTSON	
Well Name: PA	Well #: 411-7	API/UWI #: 05-045-22228-00	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: 6-7S-95W-748FSL-731FWL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 574	
Job BOM:			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAL7171		Srvc Supervisor: Eric Carter	
Job			

Formation Name			
Formation Depth (MD)	Top	0 FT	Bottom 1317 FT
Form Type	BHST		
Job depth MD	1317ft	Job Depth TVD	
Water Depth	Wk Ht Above Floor 5 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
Open Hole Section			13.5				0	1317		0
Casing		9.625	9.001	32.3			0	1317		0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe					Top Plug	9.625	1	HES	
Float Shoe					Bottom Plug				
Float Collar					SSR plug set				
Insert Float					Plug Container	9.625	1	HES	
Stage Tool					Centralizers		10		

Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Lead Cement	VARICEM (TM) CEMENT	180	sack	12.3	2.38	13.75	8		

13.70 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	Tail Cement	VARICEM (TM) CEMENT	160	sack	12.8	2.11	11.75	8	
11.71 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
4	Fresh Water Displacement	Fresh Water Displacement	100.7	bbl	8.34			10	
Cement Left In Pipe		Amount	37 ft		Reason		Shoe Joint		
Comment									

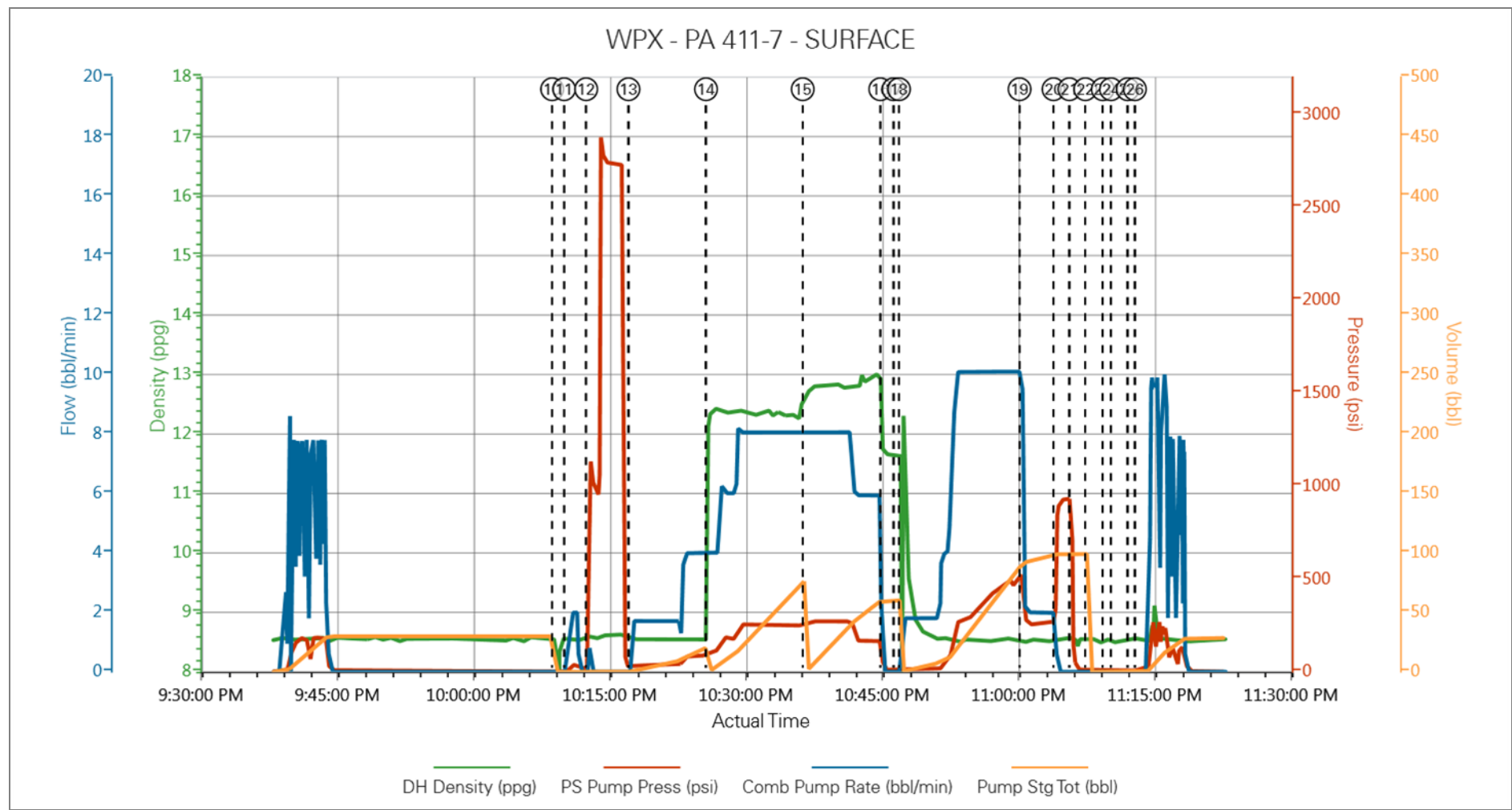
3.5 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	5/21/2014	13:30	USER					
Event	2	Depart Yard Safety Meeting	5/21/2014	16:50	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	5/21/2014	17:00	USER					
Event	4	Arrive At Loc	5/21/2014	18:00	USER					RIG PULLING DP
Event	5	Assessment Of Location Safety Meeting	5/21/2014	19:30	USER					ATTENDED BY ALL HES CREW
Event	6	Other	5/21/2014	19:40	USER					SPOT EQUIPMENT
Event	7	Pre-Rig Up Safety Meeting	5/21/2014	19:50	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	5/21/2014	21:00	USER					
Event	9	Pre-Job Safety Meeting	5/21/2014	21:40	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Start Job	5/21/2014	22:09:00	USER					TP 1317', TD 1317', MW 9.5 PPG, SJ 37.25', CASING 9.625", 32.3#, H-40, CENTRALIZERS 9, CEMENT BASKET SET AT 682', HOLE 13.5", RIG CIRCULATED FOR 1 HR PRIOR TO JOB AT 14 BPM
Event	11	Other	5/21/2014	22:10:19	USER	8.34	40	2	2	FILL LINES
Event	12	Test Lines	5/21/2014	22:12:44	USER					PRESSURED UP TO 2750 PSI, PRESSURE HELD
Event	13	Pump Spacer	5/21/2014	22:17:24	USER	8.34	90	4	20	FRESH WATER
Event	14	Pump Lead Cement	5/21/2014	22:25:56	USER	12.3	265	8	76.3	180 SKS VARICEM MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GL/SK
Event	15	Pump Tail Cement	5/21/2014	22:36:35	USER	12.8	270	8	60.1	160 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK
Event	16	Shutdown	5/21/2014	22:45:07	USER					
Event	17	Drop Top Plug	5/21/2014	22:46:34	USER					PLUG LAUNCHED
Event	18	Pump Displacement	5/21/2014	22:47:10	USER	8.34	520	10	90.7	FRESH WATER
Event	19	Slow Rate	5/21/2014	23:00:27	USER	8.34	270	2	10	
Event	20	Bump Plug	5/21/2014	23:04:11	USER					PLUG LANDED

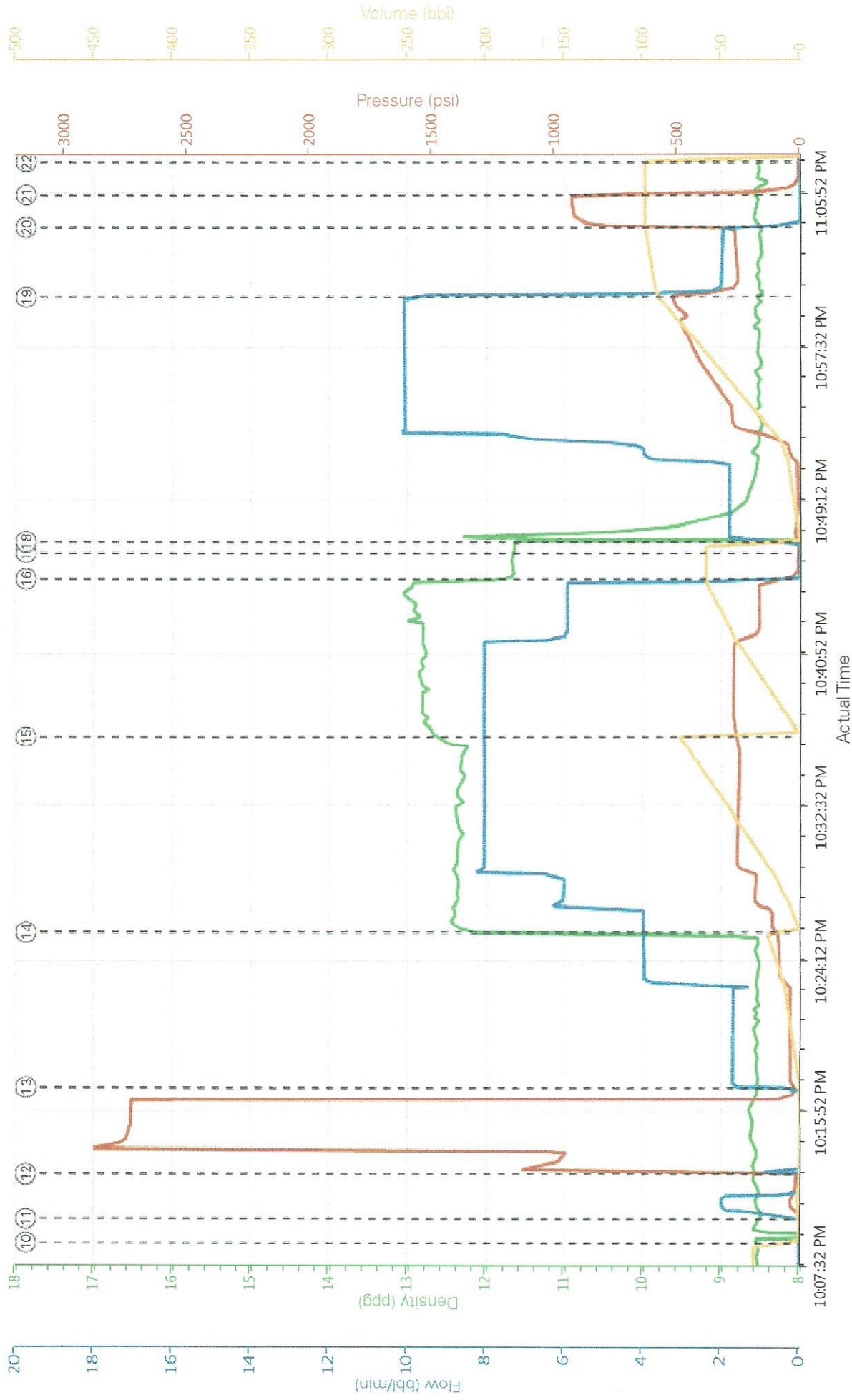
Event	21	Check Floats	5/21/2014	23:05:56	USER	FLOATS HELD
Event	22	End Job	5/21/2014	23:07:41	COM5	GOOD CIRCULATION THROUGH OUT JOB, PIPE NOT MOVED DURING JOB, 32 BBLS CEMENT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	5/21/2014	23:10	USER	ATTENDED BY ALL HES CREW
Event	24	Rig-Down Equipment	5/21/2014	23:20	USER	
Event	25	Depart Location Safety Meeting	5/21/2014	23:50	USER	ATTENDED BY ALL HED CREW
Event	26	Crew Leave Location	5/21/2014	23:55	USER	THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

4.0 Custom Graphs

4.1 Custom Graph



WPX - PA 411-7 - SURFACE



Sales Order #: 0901362161	Line Item: 20	Survey Conducted Date: 5/22/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT HUTSON		API / UWI: (leave blank if unknown) 05-045-22228-00
Well Name: PA		Well Number: 0080244827
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	5/21/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT HUTSON
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	5/22/2014

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	5
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	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