

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

GM 411-21

Cyclone 17

Post Job Summary

Cement Surface Casing

Date Prepared: 09/14/2014

Job Date: 09/01/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3464181	Quote #:0021914705	Sales Order #: 0901631497
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Al Duniwoo	
Well Name: CHEVRON	Well #: GM 411-21	API/UWI #: 05-045-22358-00	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE NE-20-6S-96W-2027FNL-702FEL			
Contractor: CYCLONE		Rig/Platform Name/Num: CYCLONE 17	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: Carlton Kukus	
Job			

CIRCULATED 28 BBLS OF CEMENT TO SURFACE

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	1114FT		Job Depth TVD
Water Depth			Wk Ht Above Floor
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	1114		0
Casing		9.625	8.921	32.3			0	1128		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		1114	Top Plug	9.625	1	HES
Float Shoe					Bottom Plug			
Float Collar	9.625	1		1088	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
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/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	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	Lead Cement	Type I-II Cement	135	sack	12.3	2.45		8	14.17	
0.25 %		D-AIR 5000, 50 LB SACK (102068797)								

94 lbm	TYPE I / II CEMENT, BULK (101439798)								
5.64 lbm	SALT, BULK (100003695)								
	VERSASET, 55 LB SK (101376573)								
	POLY-E-FLAKE (101216940)								
	FRESH WATER								
	ECONOLITE (100001580)								
	CAL-SEAL 60, BULK (100064022)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	VariCem GJ5	VARICEM (TM) CEMENT	170	sack	12.8	2.18		8	12.11
12.05 Gal	FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	85.6	bbl	8.34			10	
Cement Left In Pipe	Amount	26 ft		Reason	Shoe Joint				
Comment									

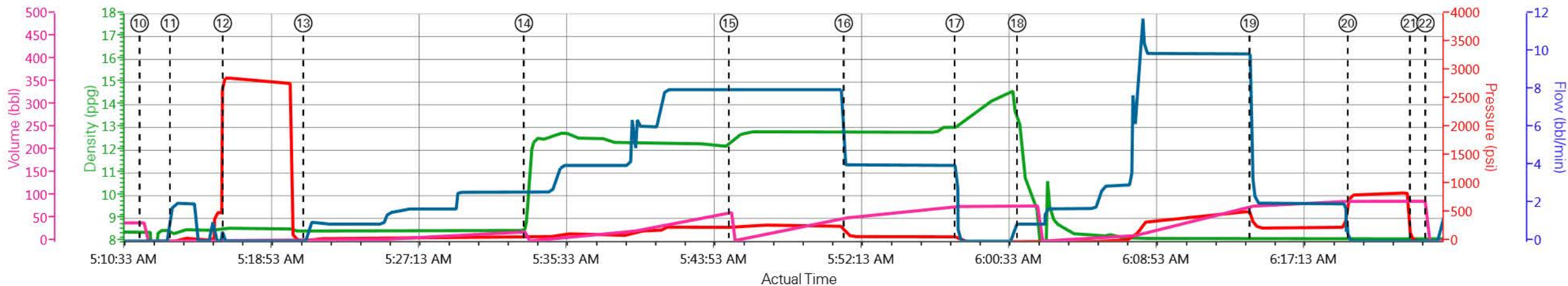
1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comb Pump Rate (bbl/min)	Comment
Event	1	Call Out	8/31/2014	16:30:00	USER					HES CREW CALLED OUT AT 16:30
Event	2	Pre-Convoy Safety Meeting	8/31/2014	18:00:00	USER					ALL HES CREW INVOLVED TO DISCUSS DRIVING HAZARDS
Event	3	Crew Leave Yard	8/31/2014	18:15:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK
Event	4	Arrive At Loc	8/31/2014	20:30:00	USER					HES ARRIVED 1.5 HOURS EARLY
Event	5	Assessment Of Location Safety Meeting	8/31/2014	20:45:00	USER					RIG WAS STILL DRILLING, HES WAITED TO SPOT EQUIPMENT DUE TO LOCATION BEING VERY SMALL
Event	6	Pre-Rig Up Safety Meeting	9/1/2014	03:00:00	USER					ALL HES EMPLOYEES INVOLVED TO DISCUSS RIG UP HAZARDS
Event	7	Rig-Up Equipment	9/1/2014	03:15:00	USER					RIG UP IRON TO THE STAND PIPE, WATER HOSES TO THE UPRIGHT AND BULK HOSE TO BULK EQUIPMENT
Event	8	Rig-Up Completed	9/1/2014	03:30:00	USER					ALL EQUIPMENT RIGGED UP AND PUMP TRUCK PRIMED UP
Event	9	Pre-Job Safety Meeting	9/1/2014	04:30:00	USER					ALL HES AND RIG CREW PRESENT TO DISCUSS JOB PROCEDURES AND HAZARDS OF THE JOB
Event	10	Start Job	9/1/2014	05:11:36	COM5					TD: 1128FT TP: 1114.47FT SJ: 26.50FT OH: 13.5 MUD WT: 10.5PPG VISC: 57 CSG: 9.625 32.3#
Event	11	Fill Lines	9/1/2014	05:13:19	COM5	8.26	60	2	2	FILL LINES TO PRESSURE TEST
Event	12	Test Lines	9/1/2014	05:16:18	COM5	8.57	2882.00	2	0.00	PRESSURE TEST TO 3000 PSI, PRESSURE TEST OK
Event	13	Fresh Water Spacer	9/1/2014	05:20:51	COM5	8.46	79	20	3	20 BBL FRESH WATER SPACER
Event	14	Pump Lead Cement	9/1/2014	05:33:19	COM5	12.3	288	62	8	135 SKS OF VARICEM CEMENT 12.3PPG 2.45YIELD 14.17GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	15	Pump Tail Cement	9/1/2014	05:44:54	COM5	12.8	280	50	8.00	170 SKS OF VARICEM CEMENT 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT

Event	16	Slow Rate	9/1/2014	05:51:23	USER	12.79	129.00	51.3	4.00	SLOW RATE TO END ON CEMENT TO KEEP DENSITY
Event	17	Shutdown	9/1/2014	05:57:39	USER	13.01	73.00	76.3	0	SHUTDOWN END OF CEMENT
Event	18	Pump Displacement	9/1/2014	06:01:11	COM5	8.34	525	75	10	FRESH WATER DISPLACEMENT, HES WASHED UP ON TOP OF PLUG
Event	19	Slow Rate	9/1/2014	06:14:19	USER	8.12	352.00	10	4	SLOW RATE TO BUMP THE PLUG
Event	20	Bump Plug	9/1/2014	06:19:52	COM5	8.13	258	87.7	0.00	BUMPED PLUG AT 258 PSI TOOK TO 853 PSI
Event	21	Check Floats	9/1/2014	06:23:22	USER	8.10	853	87.7	0.00	FLOATS HELD .5 BBLS BACK TO TANKS
Event	22	End Job	9/1/2014	06:24:15	COM5	8.10	0	0.0	0.00	THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	23	Pre-Rig Down Safety Meeting	9/1/2014	06:33:25	USER					ALL HES CREW TO DISCUSS RIG DOWN HAZARDS
Event	24	Rig Down Lines	9/1/2014	06:33:46	USER					RIG DOWN ALL EQUIPMENT AND PUT AWAY AND SECURE
Event	25	Pre-Convoy Safety Meeting	9/1/2014	06:34:06	USER					ALL HES CREW TO DISCUSS DRIVING HAZARDS
Event	26	Crew Leave Location	9/1/2014	07:30:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK

WPX/CHEVRON GM 411-21/SURFACE



— DH Density (ppg)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)
 — Comb Pump Rate (bbl/min)

ⓐ ⑩ Pre-Job Safety Meeting 8.4;-8;40.1;0	ⓐ ⑪ Fill Lines 8.26;-2;0.3;1.8	ⓐ ⑫ Fresh Water Spacer 8.46;1;3.1;0	ⓐ ⑬ Pump Tail Cement 12.35;249;63;8	ⓐ ⑭ Shutdown 13.01;73;76.3;2.8	ⓐ ⑮ Slow Rate 8.12;352;77;3.5	ⓐ ⑯ Check Floats 8.1;38;87.7;0	ⓐ ⑰ Pre
ⓐ ⑩ Start Job 8.41;-2;40.1;0	ⓐ ⑫ Test Lines 8.57;2882;3.1;0	ⓐ ⑬ Pump Lead Cement 9.13;70;0;2.6	ⓐ ⑭ Slow Rate 12.79;129;51.3;4	ⓐ ⑮ Pump Displacement 13.03;-1;76.6;0.9	ⓐ ⑯ Bump Plug 8.13;782;87.7;0	ⓐ ⑰ End Job 8.1;-20;0;0	ⓐ ⑰ Rig

HALLIBURTON | iCem® Service

Created: 2014-08-31 21:06:09, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 9/1/2014 3:47:37 AM

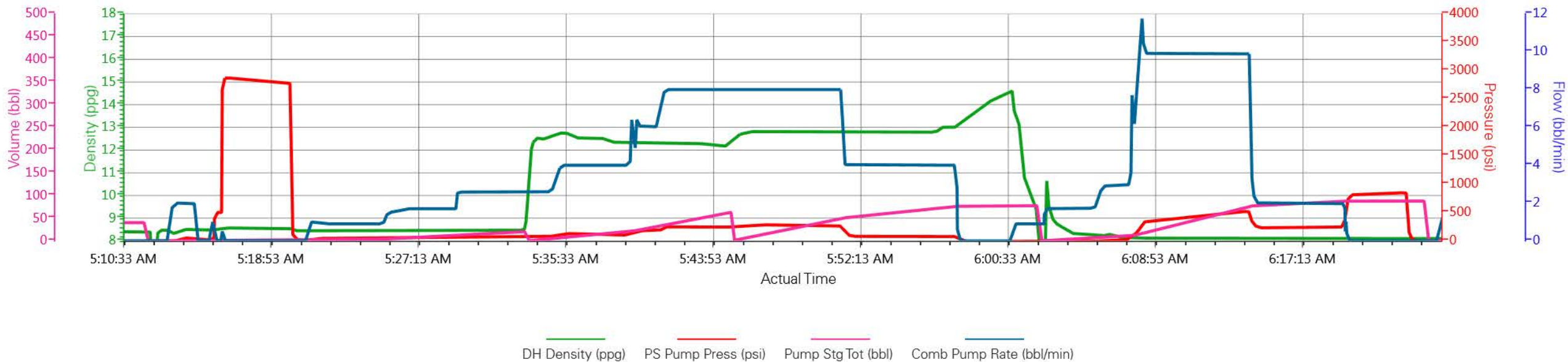
Well: Chevron GM 411-21

Representative: Al Duniho

Sales Order #: 901631497

Supervisor/Operator: Carlton Kukus/Dillon Martin E-8

WPX/CHEVRON GM 411-21/SURFACE



HALLIBURTON

Water Analysis Report

Company: WPX
Submitted by: Carl Kukus
Attention: J.Trout
Lease: Chevron
Well #: GM 411-21

Date: 8/31/2014
Date Rec.: 8/31/2014
S.O.#: 901631497
Job Type: Surface

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	3 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	67 Deg
Total Dissolved Solids		250 Mg / L

Respectfully: Carl 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 #: 0901631497	Line Item: 10	Survey Conducted Date: 9/1/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: AL DUNIHO		API / UWI: (leave blank if unknown) 05-045-22358-00
Well Name: CHEVRON		Well Number: 0080599260
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	9/1/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB44726
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	AL DUNIHO
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	GOOD JOB MEN!

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/1/2014
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	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	4
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?	
Pumping Hours	1.5
Total number of hours pumping fluid on this job. Enter in decimal format.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Customer Non-Productive Rig Time (hrs)	0

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Well Name: CHEVRON		Well Number: 0080599260
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

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.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A)	Yes
If applicable, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A)	N/A
If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A)	Yes
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	90
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	8
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	YES
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