

CAERUS OIL AND GAS LLC - EBUS

Nolte 44C-14

Post Job Summary

Cement Surface Casing

Date Prepared: 02/13/2014

Submitted by: Grand Junction Cement Engineering

The Road to Excellence Starts with Safety

Sold To #: 360446	Ship To #: 3280239	Quote #:	Sales Order #: 901194043
Customer: CAERUS OIL AND GAS LLC - EBUS	Customer Rep:		
Well Name: NOLTE	Well #: 44C-14	API/UWI #: 05-045-22306	
Field:	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Contractor: Caerus	Rig/Platform Name/Num: Patterson 303		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MAYO, MARK	Srvc Supervisor: KUKUS, CHRISTOPHER	MBU ID Emp #: 413952	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ETCITY, JERRY	7	227876	KUKUS, CHRISTOPHER A	7	413952	SANCHEZ, JOSHUA	7	563157

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10784064	60 mile	11027039	60 mile	11223557	60 mile	11583926	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03/15/2014	7	3						

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	15 - Mar - 2014	09:00 MST
Form Type	BHST				On Location	15 - Mar - 2014	13:00 MST
Job depth MD	1040. ft		Job Depth TVD	1040. ft	Job Started	15 - Mar - 2014	17:58 MST
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	15 - Mar - 2014	19:00 MST
Perforation Depth (MD)	From		To		Departed Loc	15 - Mar - 2014	20:00 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
13.5" Open Hole Surface				13.5				84.	1040.		
16" Conductor Casing	Unknown		16.	15.01	84.			.	84.		
9.625" Surface Casing	New		9.625	8.921	36.		J-55	.	1019.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	9 5/8	1		1019	Packer					Top Plug	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	9 5/8	1		972.83	Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	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/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		20.00	bbl	.	.0	.0	4	
2	VARICEM	VARICEM (TM) CEMENT (452009)	290.0	sacks	12.8	2.11	11.77	6	11.77
	0.25 lbm	POLY-E-FLAKE (101216940)							
	0.25 %	D-AIR 5000, 50 LB SACK (102068797)							
	11.77 Gal	FRESH WATER							
3	Fresh Water Displacement		75.20	bbl	.	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	75.2	Shut In: Instant		Lost Returns	0	Cement Slurry	108.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	75.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	204
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job		6	
Cement Left In Pipe	Amount	46.17 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					

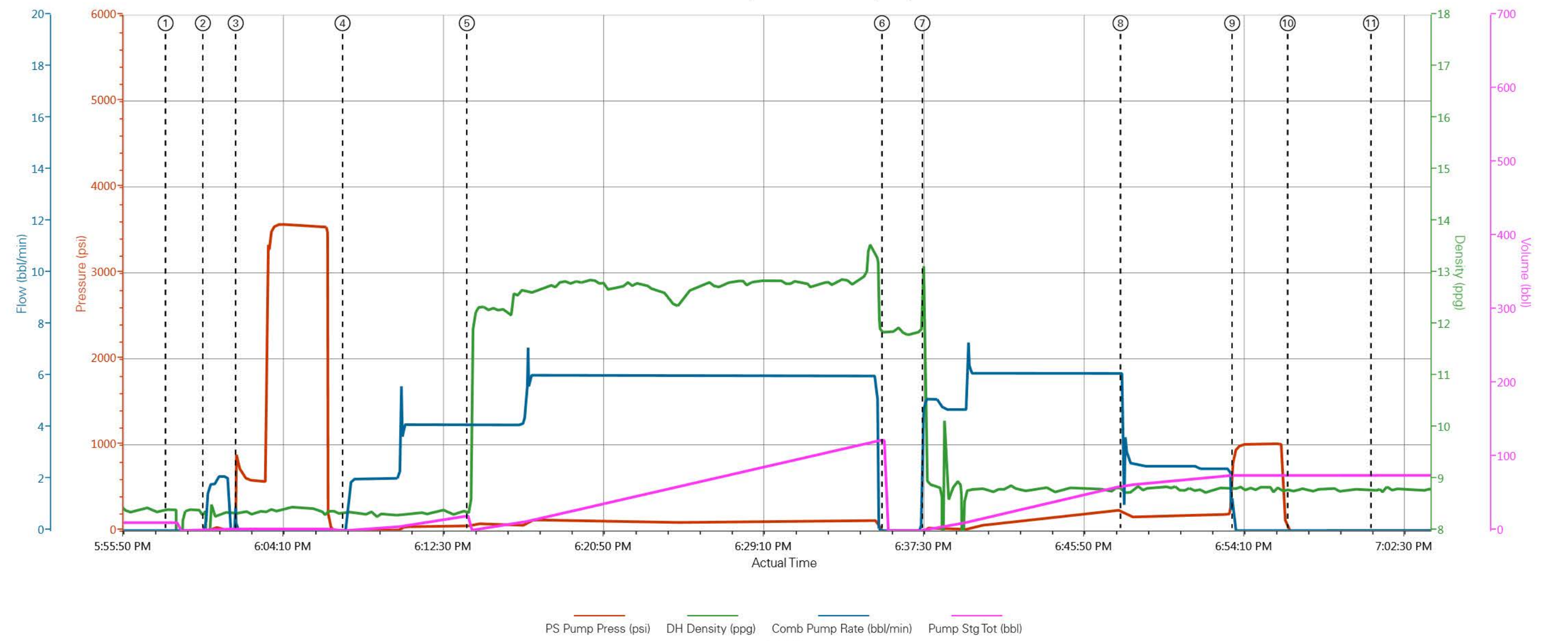
The Road to Excellence Starts with Safety

Sold To #: 360446		Ship To #: 3280239		Quote #:		Sales Order #: 901194043	
Customer: CAERUS OIL AND GAS LLC - EBUS				Customer Rep:			
Well Name: NOLTE			Well #: 44C-14			API/UWI #: 05-045-22306	
Field:		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: Caerus			Rig/Platform Name/Num: Patterson 303				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MAYO, MARK			Srv Supervisor: KUKUS, CHRISTOPHER			MBU ID Emp #: 413952	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/15/2014 09:00							RED TIGER 11223557 ONLOCATION TIME OF 13:00
Depart Yard Safety Meeting	03/15/2014 11:30							ALL HES EMPLOYEES
Arrive At Loc	03/15/2014 13:00							HES CREW ARRIVED ON TIME RIG WAS PULLING DRILL PIPE HES CREW WAITTED OFF LOCATION TILL RIG WAS DONE RUNNING CASING DUE TO SMALL LOCATION
Assessment Of Location Safety Meeting	03/15/2014 17:00							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	03/15/2014 17:10							ALL HES EMPLOYEES
Rig-Up Equipment	03/15/2014 17:20							1 F-450 PICK UP 1 HT-400 RED TIGER 1 660 BULK TRUCK RIG UP IRON TO RIG FLLOR, BLUK LINES TO BULK TRUCKS , SUCTION HOSE TO FRESH WATER SOURCE
Pre-Job Safety Meeting	03/15/2014 17:45							ALL HES EMPLOYEES AND RIG CREW
Start Job	03/15/2014 17:58							TD: 1040 TP: 1019 SJ: 44.17 CSG: 9 5/8 36# OH: 13 1/2 MUD WT 9.8 VIS: 41 RIG CIRCULATED FOR 1 HOUR BEFORE CEMENT JOB

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	03/15/2014 18:01					3556.0		PRESSURE TEST OK
Pump Spacer	03/15/2014 18:07		4	20	20		56.0	FRESH WATER SPACER
Pump Tail Cement	03/15/2014 18:13		6	108.9	108.9		121.0	VARICEM 290 SKS 12.8 PPG 2.11 YEILD 11.77 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT TAIL CEMENT
Shutdown	03/15/2014 18:35							SHUTDOWN END OF CEMENT / READY TANKS FOR DISPLACEMENT
Drop Plug	03/15/2014 18:36							PLUG AWAY NO PROBLEMS
Pump Displacement	03/15/2014 18:37		6	75.2	75.2		305.0	FRESH WATER DISPLACEMENT
Slow Rate	03/15/2014 18:47		2	65.2	65.2		170.0	SLOW RATE TO BUMP PLUG
Bump Plug	03/15/2014 18:53		2	75.2	75.2		190.0	BUMP PLUG @ 190 AND TOOK PRESSURE UP TO 990 PSI
Check Floats	03/15/2014 18:56							FLOATS HELD 3/4 BBL BACK TO DISPLACEMENT TANKS
End Job	03/15/2014 19:00							WELL HAD GOOD CIRCULATION THROUGH OUT CEMENT JOB GOT 25 BBLs OF CEMENT TO SURFACE RIG USED 40LB OF SUGAR
Pre-Rig Down Safety Meeting	03/15/2014 19:10							ALL HES EMPLOYEES
Rig-Down Equipment	03/15/2014 19:20							RIG DOWN RIG FLOOR, IRON , SUCTION HOSE, BULK HOSE, WASH UP PUMP TRUCK
Pre-Convoy Safety Meeting	03/15/2014 19:50							ALL HES EMPLOYEES
Crew Leave Location	03/15/2014 20:00							THANKS FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW

CAERUS OIL AND GAS / NOLTE 44C-14 / 9 5/8 SURFACE



- ① Start Job -163;8.37;0;10.8
- ② Prime Lines -2;8.38;0;0
- ③ Test Lines 779;8.34;0;2.2
- ④ Pump Spacer 1 -36;8.31;0;0
- ⑤ Pump Cement 56;8.34;4.1;0.1
- ⑥ Drop Top Plug -17;11.86;0;122.6
- ⑦ Pump Displacement 21;11.07;5.1;0.6
- ⑧ Slow Rate 221;8.71;3;61
- ⑨ Bump Plug 910;8.81;0;75.1
- ⑩ Check Floats -7;8.76;0;75.1
- ⑪ End Job 0;8.78;0;75.1

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Customer: CAERUS OIL AND GAS LLC - EBUS
Representative: CHRIS KUKUS

Job Date: 3/15/2014 5:35:20 PM
Sales Order #: 901194043

Well: NOLTE 44C-14
REDTIGER 11223557: JERRY ETCITY

HALLIBURTON

Water Analysis Report

Company: CAERUS
Submitted by: CHRIS KUKUS
Attention: JUSTIN KIDDOO
Lease: NOLTE
Well #: 44C-14

Date: 3/15/2014
Date Rec.: 3/15/2014
S.O.#: 901194043
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	45 Deg
Total Dissolved Solids		250 Mg / L

Respectfully: CHRIS KUKUS

Title: CEMENTING SUPERVISOR

Location: FARMINGTON, NM

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 #: 901194043	Line Item: 10	Survey Conducted Date: 3/15/2014
Customer: CAERUS OIL AND GAS LLC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22306
Well Name: NOLTE		Well Number: 44C-14
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	3/15/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER KUKUS (HX35027)
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

Sales Order #: 901194043	Line Item: 10	Survey Conducted Date: 3/15/2014
Customer: CAERUS OIL AND GAS LLC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22306
Well Name: NOLTE		Well Number: 44C-14
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	3/15/2014
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)	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	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
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)	Yes

Sales Order #: 901194043	Line Item: 10	Survey Conducted Date: 3/15/2014
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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22306
Well Name: NOLTE		Well Number: 44C-14
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.	
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	80
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	80
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