

GUNNISON ENERGY CORP - EBUS

DGU Federal 1289 #18-CS1

Savannah 650

Post Job Summary

Cement Production Casing

Date Prepared: 08/28/2014

Job Date: 08/23/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 338641		Ship To #: 338641		Quote #: 0021912682		Sales Order #: 0901606567					
Customer: GUNNISON ENERGY CORP - EBUS				Customer Rep: MIKE BARBER							
Well Name: DGU Federal 1289			Well #: #18-CS1		API/UWI #: 05-051-06125						
Field: West Muddy Creek		City (SAP): Somerset		County/Parish: Gunnison		State: COLORADO					
Legal Description:											
Contractor: SAVANNA DRLG				Rig/Platform Name/Num: SAVANNA 650							
Job BOM: 7523											
Well Type: VERTICAL GAS											
Sales Person: HALAMERICA\HX17509				Srvc Supervisor: Andrew Brennecke							
Job											
Formation Name											
Formation Depth (MD)	Top		Bottom								
Form Type			BHST								
Job depth MD	4086.6ft		Job Depth TVD								
Water Depth			Wk Ht Above Floor	5							
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	8.921	36	LTC	J-55	0	1062	0	0	
Casing		7	6.366	23	LTC	N-80	0	4087		0	
Open Hole Section			8.75				0	4100			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	7	1		4087		Top Plug	7	1	HES		
Float Shoe						Bottom Plug					
Float Collar	7	1		4040		SSR plug set					
Insert Float						Plug Container	7	1	HES		
Stage Tool						Centralizers					
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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III			20	bbl	8.4	2.41		3	
42 gal/bbl		FRESH WATER									

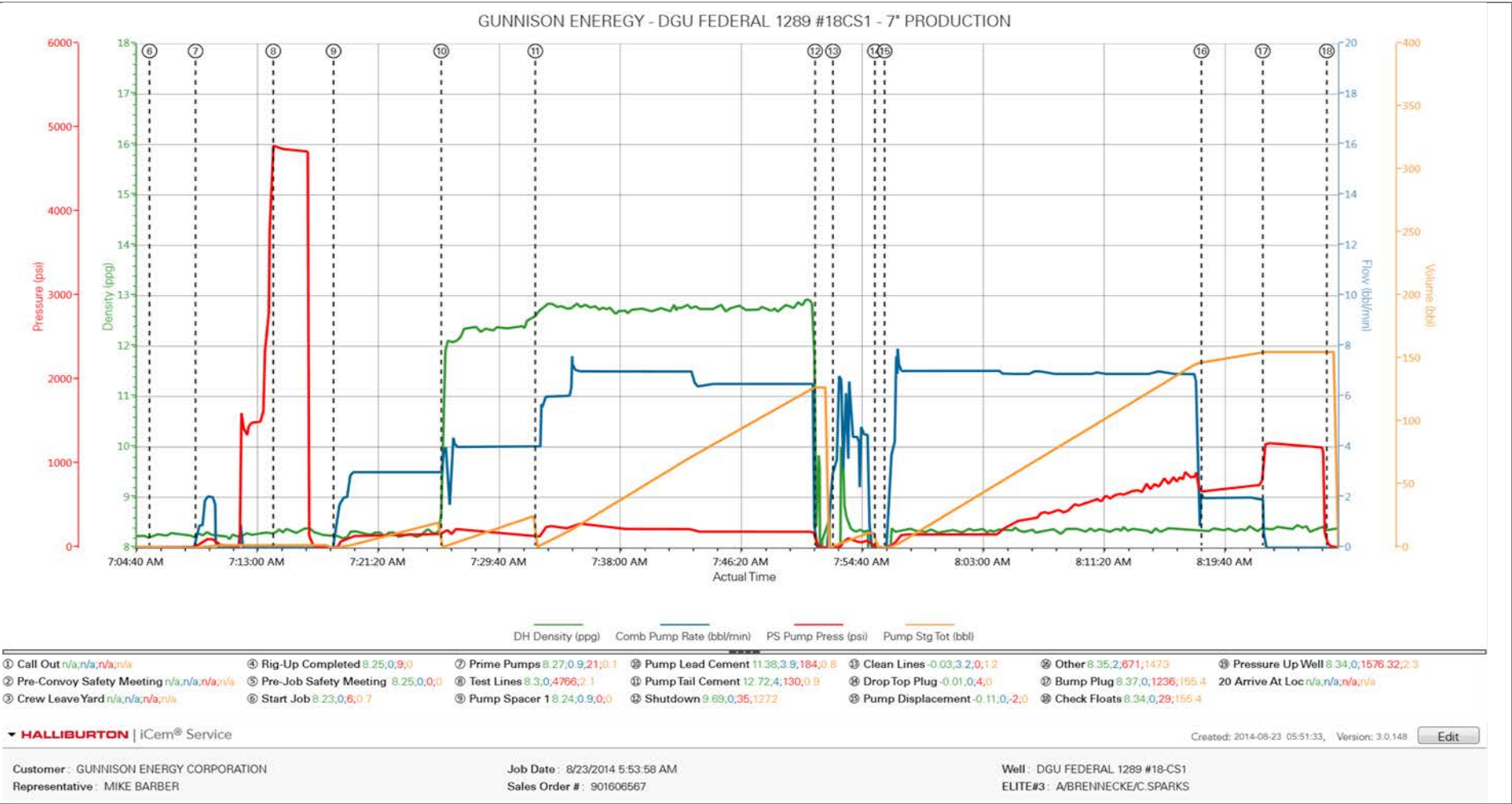
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
2	Lead Cement	VARICEM (TM) CEMENT	65	sack	12.3	2.38		4	13.77
13.72 Gal		FRESH WATER							
94 lbm		TYPE I / II CEMENT, BULK (101439798)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Production Slurry	VARICEM (TM) CEMENT	320	sack	12.8	2.11		7	11.77
11.74 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/mi n	Total Mix Fluid Gal
4	2% KCL Displacement		158.8	bbl	9			7	
Cement Left In Pipe		Amount	46.53 ft		Reason		Shoe Joint		
Comment									

1.1 Job Event Log

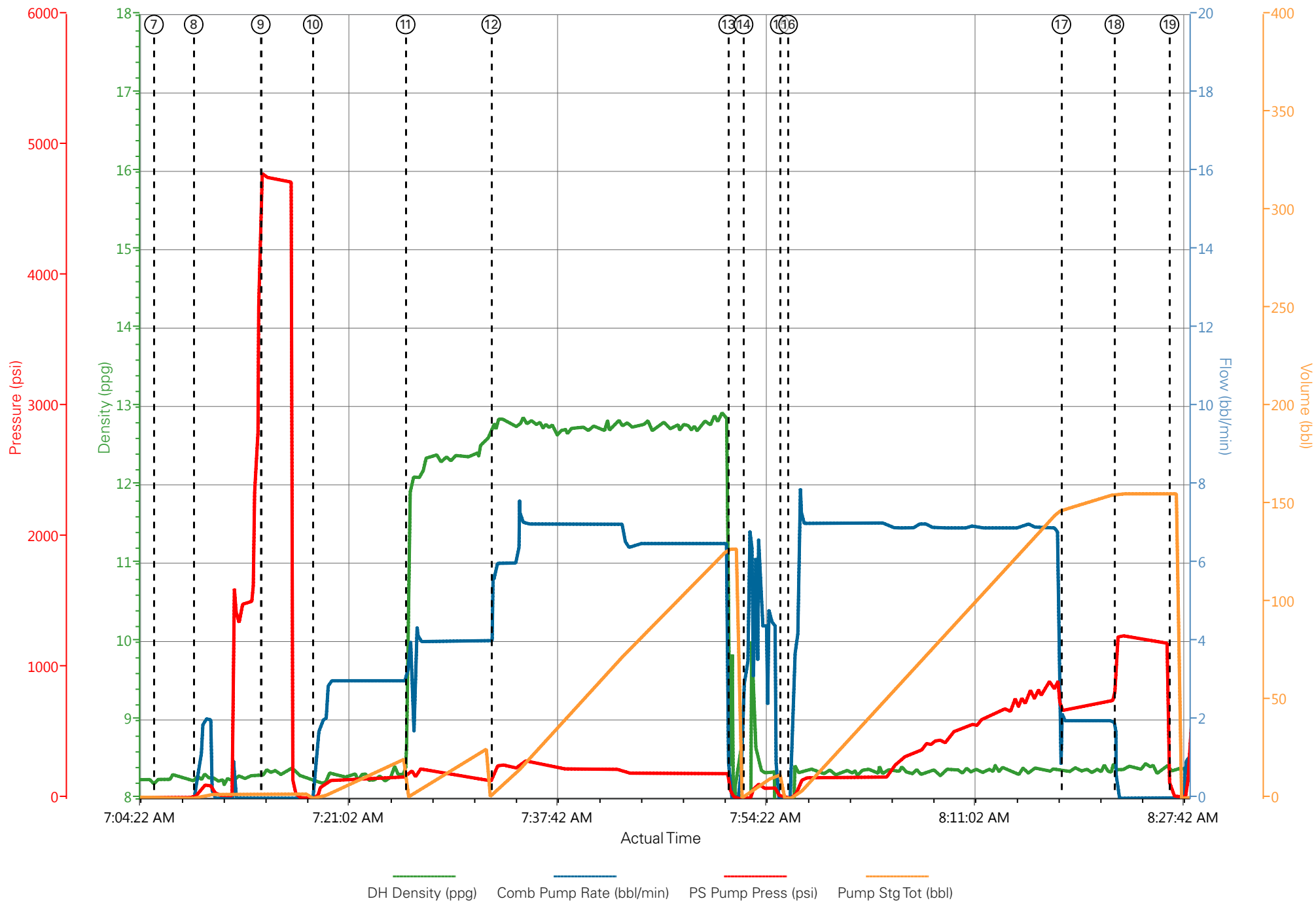
Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	8/22/2014	16:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	8/22/2014	19:30:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	8/22/2014	19:45:00	USER					
Event	4	Arrive At Loc	8/22/2014	22:00:00	USER					RIG HAD NOT STARTED RUNNING CASING
Event	5	Rig-Up Completed	8/23/2014	06:30:00	USER	8.25	0.00	9.00	0.0	
Event	6	Pre-Job Safety Meeting	8/23/2014	06:45:00	USER	8.25	0.00	0.00	0.0	ALL HES AND RIG CREW PRESENT
Event	7	Start Job	8/23/2014	07:05:45	COM5	8.33	0.00	6.00	0.0	TD-4100', TP-4086.6', SJ-46.53', OH-8.75", MUD-9.5PPG, VISC-53, CSG-7" 23# N80, SCSG-1062', 36# 9.625"
Event	8	Prime Pumps	8/23/2014	07:08:55	USER	8.27	2.00	101.00	2.0	FRESH WATER
Event	9	Test Lines	8/23/2014	07:14:16	COM5	8.30	0.50	4766.00	2.1	PRESURE HELD AT 4766 PSI
Event	10	Pump Spacer 1	8/23/2014	07:18:25	COM5	8.39	3.00	165.00	20.0	MUD FLUSH III
Event	11	Pump Lead Cement	8/23/2014	07:25:50	COM5	12.32	4.00	179.00	27.6	65SKS, 12.3PPG, 2.38CF/SK, 13.77GAL/SK
Event	12	Pump Tail Cement	8/23/2014	07:32:40	COM5	12.79	7.00	283.00	120.3	320SKS, 12.8PPG, 2.11CF/SK, 11.77GAL/SK
Event	13	Shutdown	8/23/2014	07:51:35	USER	9.45	0.00	39.00	120.3	
Event	14	Clean Lines	8/23/2014	07:52:49	COM5	-0.02	3.30	0.00	10.0	CLEANED PUMPS AND LINES TO CATCH TANK
Event	15	Drop Top Plug	8/23/2014	07:55:43	COM5	-0.01	0.00	4.00	0.0	PLUG DROP VERIFIED BY TATTLE TALE
Event	16	Pump Displacement	8/23/2014	07:56:23	COM5	8.4	7.00	878.00	148.8	2% KCL WATER
Event	17	Other	8/23/2014	08:18:12	COM5	8.37	2.00	670.00	10.0	SLOW RATE 2BBL/MIN
Event	18	Bump Plug	8/23/2014	08:22:26	COM5	8.36	0.00	764.00	158.8	PLUG BUMPED
Event	19	Check Floats	8/23/2014	08:26:50	USER	8.34	0.00	1230.00	158.8	FLOATS HELD .5 BBL TO DISPLACEMENT TANK
Event	20	Pressure Up Well	8/23/2014	08:51:03	COM5	8.35	0.00	1588.00	2.3	PRESSURED CASING TO 1588PSI AND HELD FOR 30MINS
Event	21	Other	8/23/2014	09:34:28	COM5	8.30	0.00	73.00	2.3	RELEASED PRESSURE
Event	22	End Job	8/23/2014	09:34:31	COM5	8.28	0.00	57.00	2.3	GOOD RETURNS THROUGH OUT JOB. THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNHECKE AND CREW.

2.0 Attachments

2.1 CEMENT JOB.png



GUNNISON ENERGY - DGU FEDERAL 1289 #18CS1 - 7" PRODUCTION



HALLIBURTON

Water Analysis Report

Company: GUNISON

Submitted by: A.BRENNECKE

Attention: C.ROSS

Lease DGU FEDERAL

Well # #18-CS1

Date: 8/23/2014

Date Rec.: 8/23/2014

S.O.# 901606567

Job Type: PRODUCTION

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>	0 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>	70 Deg
Total Dissolved Solids		100 Mg / L

Respectfully: A.BRENNECKE

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 i

Sales Order #: 0901606567	Line Item: 10	Survey Conducted Date: 8/25/2014
Customer: GUNNISON ENERGY CORP - EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative: MIKE BARBER		API / UWI: (leave blank if unknown) 05-051-06125
Well Name: DGU Federal 1289		Well Number: N/A
Well Type: VERTICAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: Gunnison

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	8/25/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HB58348
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MIKE BARBER
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	DID A GOOD JOB

CUSTOMER SIGNATURE

Sales Order #: 0901606567	Line Item: 10	Survey Conducted Date: 8/25/2014
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Customer Representative: MIKE BARBER		API / UWI: (leave blank if unknown) 05-051-06125
Well Name: DGU Federal 1289		Well Number: N/A
Well Type: VERTICAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: Gunnison

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	8/25/2014

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
Pumping Hours Total number of hours pumping fluid on this job. Enter in decimal format.	1
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
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Customer Non-Productive Rig Time (hrs)	0

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Well Type: VERTICAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: Gunnison

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)	NA
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	95
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	7
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