

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 333-6

Aztec 1000

Post Job Summary

Cement Production Casing

Date Prepared: 08/26/2014

Job Date: 08/15/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3476018	Quote #:	Sales Order #: 0901580834
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Josh Garibay	
Well Name: HICKS PA	Well #: 333-6	API/UWI #: 05-045-22408-00	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE SW-6-7S-95W-815FSL-2245FWL			
Contractor:		Rig/Platform Name/Num: Aztec 1000	
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA/HB50180		Srcv Supervisor: Brandon Reeves	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	6944ft	Job Depth TVD	
Water Depth		Wk Ht Above Floor	4ft
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		4.5	4	11.6	8 RD	I-80	0	6944		0
Open Hole Section			8.75				1088	6955	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	4.5			6944	Top Plug	4.5	1	HES
Float Shoe	4.5				Bottom Plug	4.5		HES
Float Collar	4.5				SSR plug set	4.5		HES
Insert Float	4.5				Plug Container	4.5	1	HES
Stage Tool	4.5				Centralizers	4.5		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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	12.3 lb/gal Tuned Spacer III	Tuned Spacer III	40	bbl	12.3	2.86		6.0	
34.90 gal/bbl		FRESH WATER							
195.50 lbm/bbl		BARITE, BULK (100003681)							

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Cementing Job Summary

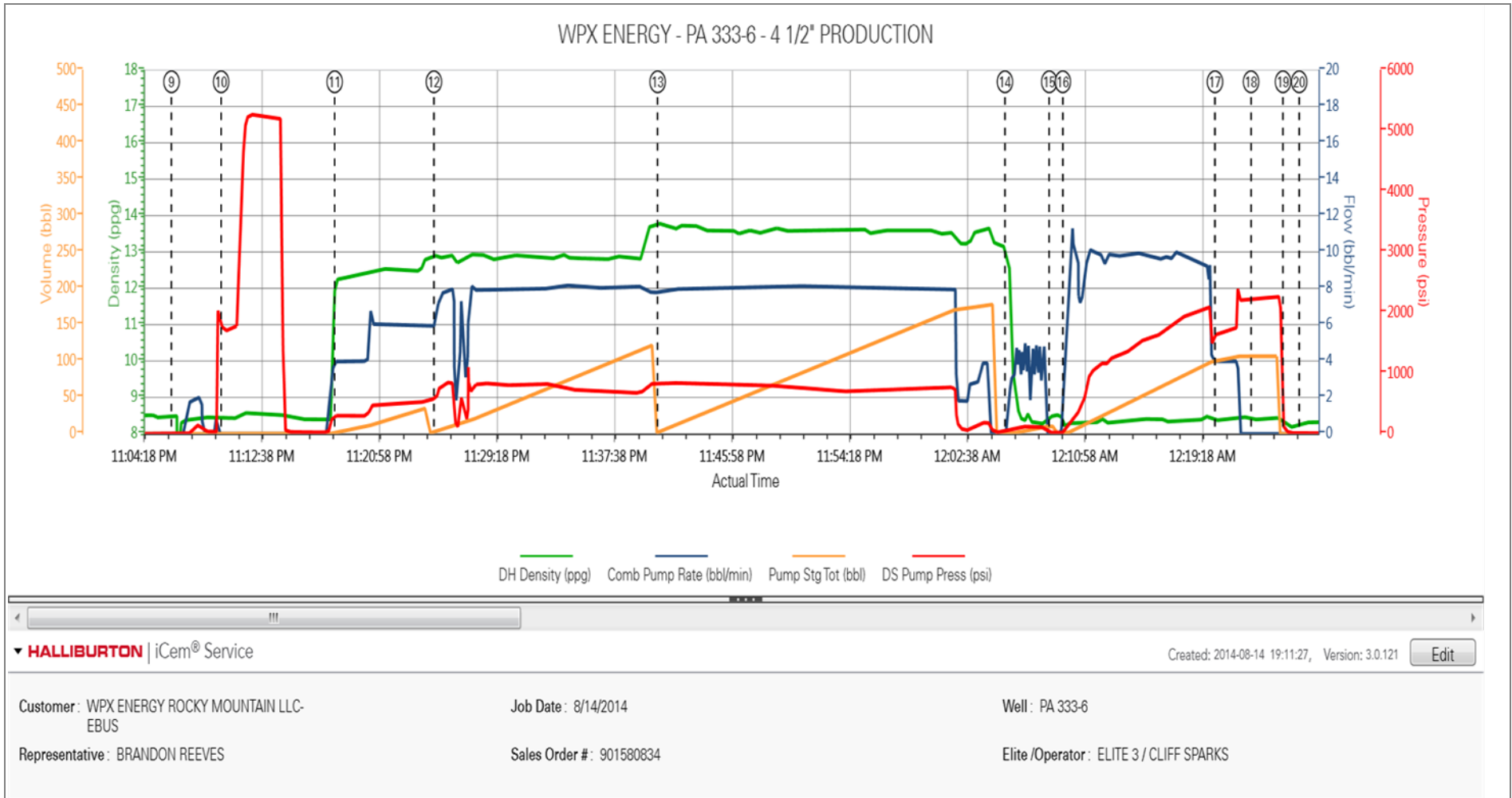
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
2	HalCem GJ1	HALCEM (TM) SYSTEM	385	sack	12.7	1.81		8.0	9.64	
9.67 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	HalCem GJ2	HALCEM (TM) SYSTEM	750	sack	13.5	1.44		8.0	6.33	
6.57 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	Fresh Water Displacement	Fresh Water Displacement	107	bbbl	8.34			10.0		
Cement Left In Pipe		Amount	28.7 ft		Reason			Shoe Joint		
Comment										

1.1 Job Event Log

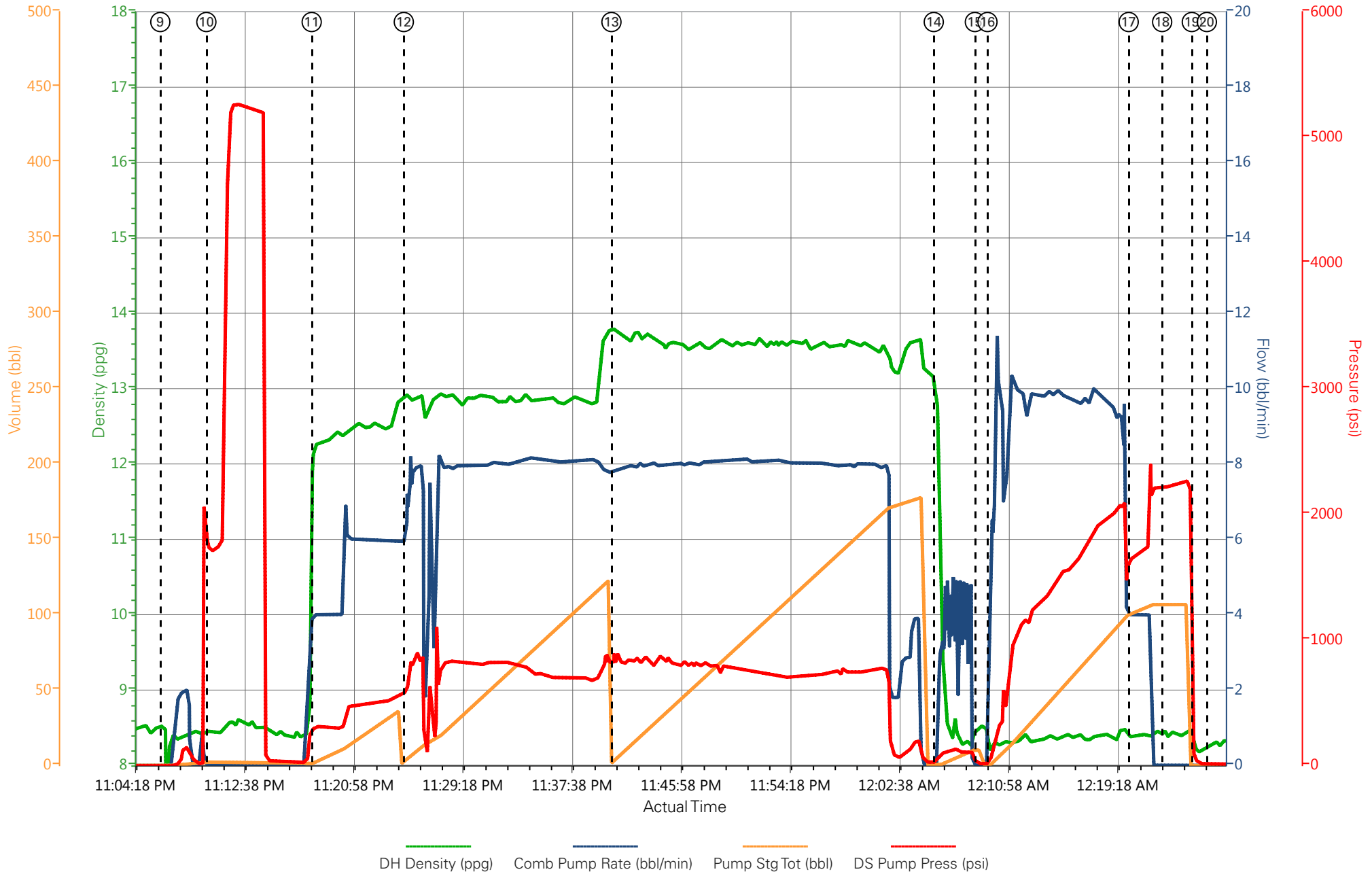
Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	DS Pump Press (psi)	Comment
Event	1	Call Out	8/14/2014	14:00:00	USER					
Event	2	Depart from Service Center or Other Site	8/14/2014	16:45:21	USER					
Event	3	Arrive at Location from Service Center	8/14/2014	18:40:23	USER					RIG IS RUNNING CASING. REQUESTED ON LOCATION TIME WAS 19:00.
Event	4	Assessment Of Location Safety Meeting	8/14/2014	19:30:21	USER					
Event	5	Spot Equipment	8/14/2014	20:00:12	USER					
Event	6	Pre-Rig Up Safety Meeting	8/14/2014	20:20:13	USER					
Event	7	Rig-Up Equipment	8/14/2014	20:40:21	USER					
Event	8	Pre-Job Safety Meeting	8/14/2014	22:45:21	USER					
Event	9	Start Job	8/14/2014	23:06:24	COM5	8.41	0.00	0.0	0.00	TD-6955' TP-6944' SJ-28.7' MW-11.3 PPG. HOLE-8 3/4" CASING- 4 1/2" 11.6 PPF.
Event	10	Test Lines	8/14/2014	23:09:55	COM5	8.44	0.00	2.2	5920.00	TESTED LINES TO 5290 PSI.
Event	11	Pump Tuned Spacer	8/14/2014	23:17:57	COM5	12.25	6.00	40.0	480.00	12.3 PPG. TUNED SPACER III. 40 BBLS.
Event	12	Pump Lead Cement	8/14/2014	23:24:59	COM5	12.72	8.00	124.1	850.00	385 SKS. 12.7 PPG. 1.81 YIELD 9.64 GAL/SK. CALCULATED TOP OF LEAD CEMENT-1167'
Event	13	Pump Tail Cement	8/14/2014	23:40:51	COM5	13.51	8.00	192.3	845.00	750 SKS. @ 13.5 PPG. 1.44 YIELD 6.33 GAL/SK. CALCULATED TOP OF TAIL CEMENT-3436'
Event	14	Clean Lines	8/15/2014	00:05:27	COM5	8.30	4.00	10.0	37.00	USED 10 BBLS. OF WATER TO WASH PUMPS AND LINES.
Event	15	Drop Plug	8/15/2014	00:08:36	COM5	8.46	0.00	10.1	18.00	PLUG LEFT THE PLUG CONTAINER. CUSTOMER REP. VERIFIED.
Event	16	Pump Displacement	8/15/2014	00:09:33	COM5	8.43	10.00	0.00	2080.00	KCL WATER DISPLACEMENT.
Event	17	Slow Rate	8/15/2014	00:20:20	USER	8.39	4.00	97.0	1620.00	SLOW RATE TO LAND THE PLUG.
Event	18	Bump Plug	8/15/2014	00:22:54	COM5	8.45	0.00	107.0	1750.00	PLUG LANDED AT 1750 PSI. PRESSURED UP TO 2240 PSI.
Event	19	Check Floats	8/15/2014	00:25:09	COM5	8.35	0.00	0.0	0.00	FLOATS HELD. 1 BBL. OF FLOW BACK.
Event	20	End Job	8/15/2014	00:26:18	COM5	8.29	0.00	0.0	0.00	THE WELL WAS CIRCULATED BEFORE STARTING THE JOB. GOOD CIRCULATION THROUGHOUT THE JOB. THE PIPE WAS RECIPROCATED THROUGHOUT THE JOB.

2.0 Attachments

2.1 WPX ENERGY PA 333-6-Custom Results.png



WPX ENERGY - PA 333-6 - 4 1/2" PRODUCTION



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Created: 2014-08-14 19:11:27, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 8/14/2014

Well: PA 333-6

Representative: BRANDON REEVES

Sales Order #: 901580834

Elite /Operator: ELITE 3 / CLIFF SPARKS

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job		Max Psi			
6	Test Lines	5000 PSI				
9	Tuned Spacer	40.0		12.3	2.86	17.9
13	Lead Cement	124.1	385	12.7	1.81	9.64
15	Tail Cement	192.3	750	13.5	1.44	6.33
23	Displace with KCL H2O	107.2	10 BPM			
	Slow Rate	97.0	4 BPM			
26	Land Plug	1654 PSI	500	over		
2	Release Psi / Job Over					
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
107.19	6944	28.70		6915.30	0.0155	395 BBLs.
PSI to Lift Pipe		*****Use Mud Scales on Each Tier*****				
Total Displacement	107.19					
CALCULATED DIFFERENTIAL PSI		1654 PSI		TOTAL FLUID PUMPED		463 BBLs
Collapse	6350	Burst	7780		SO#	901580834

Sales Order #: 0901580834	Line Item: 10	Survey Conducted Date: 8/15/2014
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22408-00
Well Name: HICKS PA		Well Number: 0080606526
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	8/15/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HBT9414
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JOSH GARIBAY
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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Customer Representative: JOSH GARIBAY		API / UWI: (leave blank if unknown) 05-045-22408-00
Well Name: HICKS PA		Well Number: 0080606526
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General

Survey Conducted Date	8/15/2014
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	Deviated
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?	
Pumping Hours	2
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: HICKS PA		Well Number: 0080606526
Well Type: DIRECTIONAL GAS	Well Country: USA	
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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.	
Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment? Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment?	No
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)	NO
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	90
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