

CAERUS OIL AND GAS LLC - EBUS

Puckett 33C-1

H&P 330

Post Job Summary

Cement Surface Casing

Date Prepared: 11/06/2015

Job Date: 11/05/15

Submitted by: Aaron Katz - Cement Engineer

2.0 Real-Time Job Summary

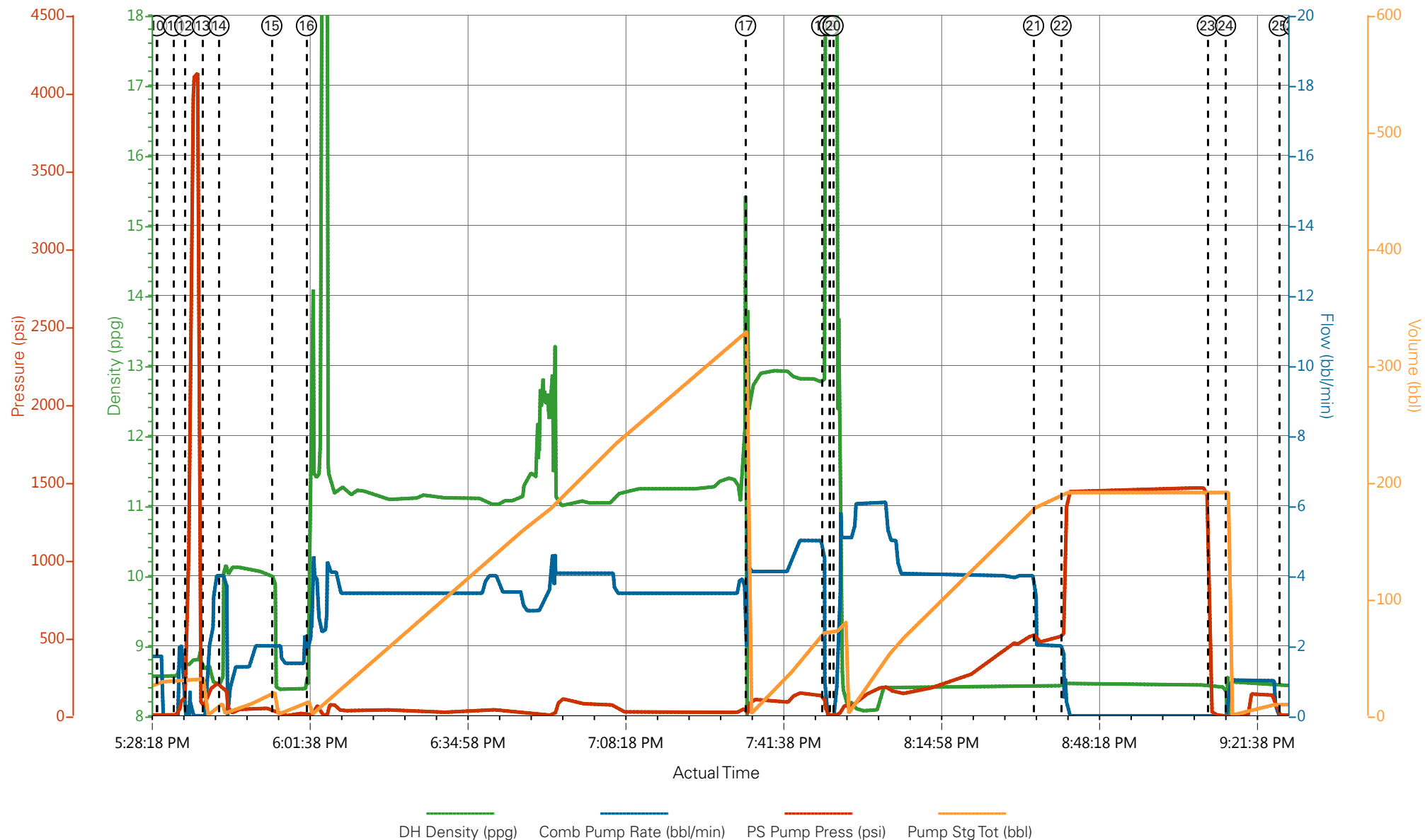
2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	11/5/2015	06:00:00	USER					ELITE #8
Event	2	Pre-Convoy Safety Meeting	11/5/2015	08:30:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	11/5/2015	11:00:00	USER					ARRIVED ON LOCATION 2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME RIG RUNNING CASING UPON HES ARRIVAL
Event	4	Meet With Comany Rep	11/5/2015	11:05:00	USER					SDS OFFERED TO COMPANY REP
Event	5	Assessment Of Location Safety Meeting	11/5/2015	11:21:00	USER					ALL HES EMPLOYEES
Event	6	Pre-Rig Up Safety Meeting	11/5/2015	11:30:00	USER					ALL HES EMPLOYEES
Event	7	Rig-Up Equipment	11/5/2015	11:45:00	USER					1 HT-400 PUMP TRUCK 1 660 BULK TRUCK 1 SILO 1 TRANSPORT 1 F-550 PICKUP
Event	8	H2O Test	11/5/2015	13:10:00	USER					WATER TEMP 40 DEGREES PH 7 CHLORIDES 0
Event	9	Pre-Job Safety Meeting	11/5/2015	17:00:00	USER					ALL HES EMPLOYEES AND RIG CREW
Event	10	Start Job	11/5/2015	17:30:00	COM5					TD: 2548 TP: 2500 SJ: 45.69 9 5/8 36# J-555 CSG OH: 14 3/4 MUD WT: 9.4 PPG
Event	11	Prime Lines	11/5/2015	17:33:33	COM5	8.33	2.0	135	2.0	PRIME LINES WITH 2 BBLS FRESH WATER
Event	12	Test Lines	11/5/2015	17:35:54	COM5	8.33	0.0	4135	2.0	PRESSURE TEST OK
Event	13	Pump Fresh Water Spacer	11/5/2015	17:39:37	COM5	8.33	4.0	205	10	PUMP 10 BBL FRESH WATER SPACER
Event	14	Pump Super Flush 101	11/5/2015	17:43:08	COM5	10.0	4.0	180	20	PUMP 20 BBL SUPER FLUSH 101 SPACER
Event	15	Pump Fresh Water Spacer	11/5/2015	17:54:17	COM5	8.33	2.0	40	10	PUMP 10 BBL FRESH WATER SPACER
Event	16	Pump Lead Cement	11/5/2015	18:01:36	COM5	11.0	4.0	70	243.8	375 SKS 11.0 PPG 3.65 YIELD 23.08 GAL/SK LEAD

CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES AS PER COMPANY REP DID NOT USED TIFF FIBER. DOWN HOLE DENSOMETER NOT READING CORRECT DUE TO PUMPING SLOW RATES DUE TO RIG PUMP NOT KEEPING UP

Event	17	Pump Tail Cement	11/5/2015	19:34:19	COM5	12.8	5.0	125	330.6	160 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES
Event	18	Shutdown	11/5/2015	19:50:23	USER					
Event	19	Drop Top Plug	11/5/2015	19:52:00	USER					PLUG AWAY NO PROBLEMS WASHED UP ON TOP OF THE PLUG AS PER COMPANY REP
Event	20	Pump Displacement	11/5/2015	19:52:47	COM5	8.33	6.0	140	189.7	FRESH WATER DISPLACEMENT
Event	21	Slow Rate	11/5/2015	20:35:07	COM5	8.33	2.0	530	179	SLOW RATE TO BUMP PLUG
Event	22	Bump Plug	11/5/2015	20:40:55	COM5	8.33	2.0	1463	198.7	PSI BEFORE BUMPING PLUG @ 550 BUMPED PLUG UP TO 1500 PSI AS PER COMPANY REP AND TESTED CASING FOR 30 MINUTES
Event	23	Check Floats	11/5/2015	21:11:49	USER					FLOATS HELD 1 BBL BACK TO DISPLACEMENT TANKS
Event	24	Clear Parasite	11/5/2015	21:15:39	COM5	8.33	1.0	150	10	PUMP 10 BBLS SUGAR WATER TO CLEAR PARASITE
Event	25	End Job	11/5/2015	21:27:00	USER					GOOD RETURNS THROUGHOUT JOB RETURNED 130 BBLS OF CEMENT TO SURFACE RIG USED 50#S OF SUGAR
Event	26	Pre-Rig Down Safety Meeting	11/5/2015	21:30:00	USER					ALL HES EMPLOYEES
Event	27	Rig-Down Equipment	11/5/2015	21:45:00	USER					
Event	28	Pre-Convoy Safety Meeting	11/5/2015	22:45:00	USER					ALL HES EMPLOYEES
Event	29	Crew Leave Location	11/5/2015	23:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW

CAERUS - PUCKETT 33C-1 - 9 5/8 SURFACE



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|---|-----------------------------|---------------------------|----------------------|-------------------|--------------------------------|
| ① Call Out | ⑥ Pre-Rig Up Safety Meeting | ⑪ Prime Lines | ⑯ Pump Lead Cement | 21 Slow Rate | 26 Pre-Rig Down Safety Meeting |
| ② Pre-Convoy Safety Meeting | ⑦ Rig-Up Equipment | ⑫ Test Lines | ⑰ Pump Tail Cement | 22 Bump Plug | 27 Rig-Down Equipment |
| ③ Arrive At Loc | ⑧ H2O Test | ⑬ Pump Fresh Water Spacer | ⑱ Shutdown | 23 Check Floats | 28 Pre-Convoy Safety Meeting |
| ④ Meet With Comany Rep | ⑨ Pre-Job Safety Meeting | ⑭ Pump Super Flush 101 | ⑲ Drop Top Plug | 24 Clear Parasite | 29 Crew Leave Location |
| ⑤ Assessment Of Location Safety Meeting | ⑩ Start Job | ⑮ Pump Fresh Water Spacer | 20 Pump Displacement | 25 End Job | |

▼ **HALLIBURTON** | iCem® Service

Created: 2015-11-05 06:47:08, Version: 4.2.393

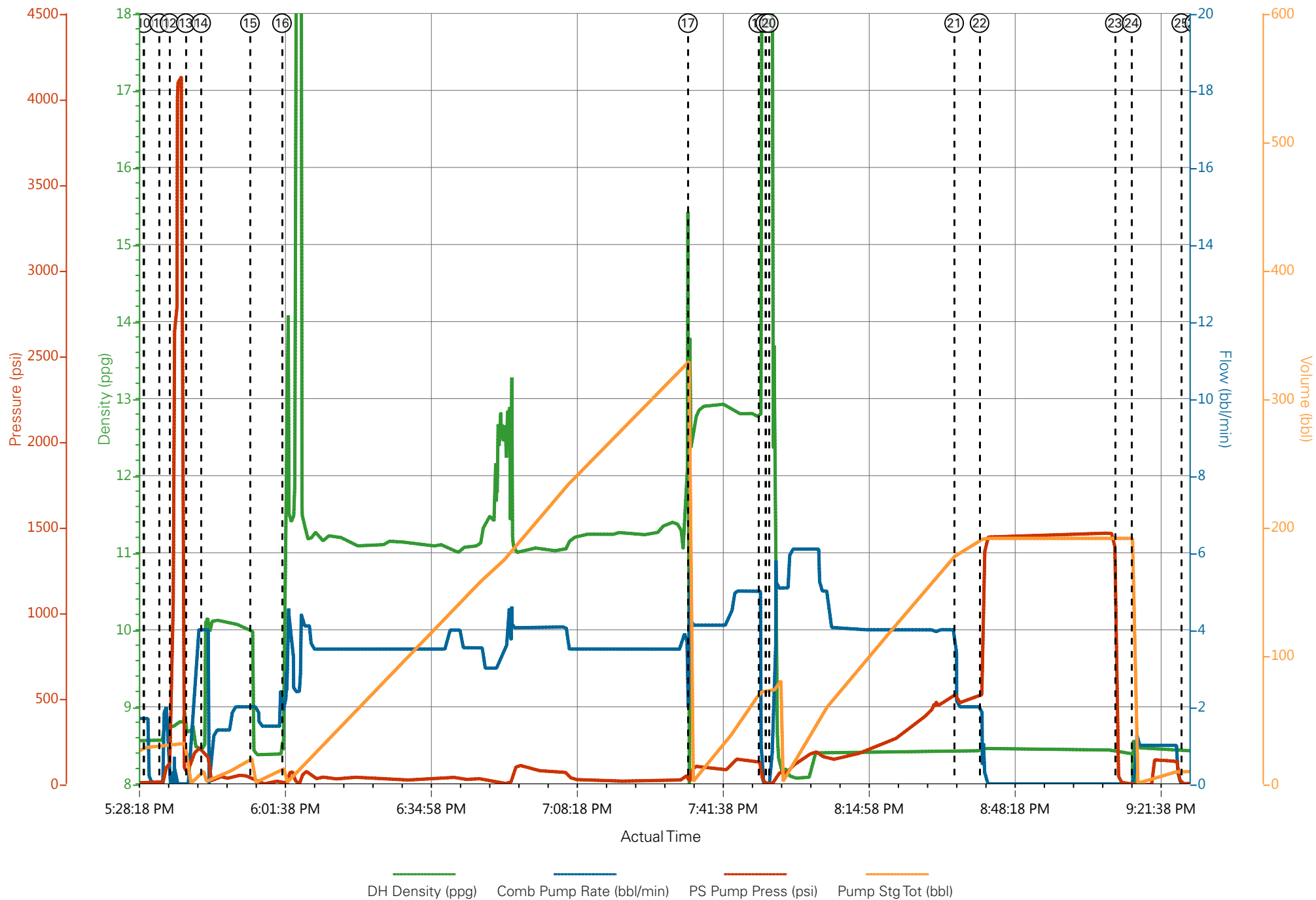
Edit

Customer : CAERUS OIL AND GAS LLC - EBUS
Representative : WHITETY COTTAM

Job Date : 11/5/2015 3:48:27 PM
Sales Order # : 0902886350

Well : PUCKETT 33C-1
ELITE #8 : DUSTIN SMITH / RYAN MARTIN

CAERUS - PUCKETT 33C-1 - 9 5/8 SURFACE



Sales Order #: 0902886350	Line Item: 10	Survey Conducted Date: 11/6/2015
Customer: CAERUS OIL AND GAS LLC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-22849-00
Well Name: PUCKETT		Well Number: 0080730019
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	11/6/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX37079
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

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Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	11/6/2015

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.	6
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.	4
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	6
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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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