HALLIBURTON

Cementing

Caerus Oil and Gas LLC-EBUS

Puckett 42D-2

H&P 330

Post Job Summary
Surface

Date Prepared: 4/28/2015
Job Date: 4/14/2015

Submitted by: Keven Nye – Grand Junction Cement Engineer

HALLIBURTON

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 360446	**Ship To #:** 3623376	**Quote #:**	**Sales Order #:** 0902319150
Customer: CAERUS OIL AND GAS LLC - EBUS		**Customer Rep:** BOYD COTTAM	
Well Name: PUCKETT	**Well #:** 42D-2		**API/UWI #:** 05-045-22635-00
Field: WILDCAT	**City (SAP):** PARACHUTE	**County/Parish:** GARFIELD	**State:** COLORADO
Legal Description: 2-7S-97W-2219FNL-641FEL			
Contractor: H & P DRLG		**Rig/Platform Name/Num:** H & P 330	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB80977		**Srvc Supervisor:** Christopher Kukus	

Job

Formation Name				
Formation Depth (MD)	**Top**		**Bottom**	
Form Type			**BHST**	
Job depth MD	2532ft		**Job Depth TVD**	
Water Depth			**Wk Ht Above Floor**	5FT
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	0	9.625	8.921	36	8 RD (LT&C)	J-55	0	2532		0
Open Hole Section			14.75				0	2540		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625	1		2532.06		**Top Plug**	9.625	1	HES
Float Shoe	9.625	1				**Bottom Plug**	9.625		HES
Float Collar	9.625	1		2486.06		**SSR plug set**	9.625		HES
Insert Float	9.625	1				**Plug Container**	9.625	1	HES
Stage Tool	9.625	1				**Centralizers**	9.625		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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water	Fresh Water	10	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	VARICEM (TM) CEMENT	320	sack	12.3	2.45		6	14.12

14.12 Gal		FRESH WATER							

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
3	Tail Cement	VARICEM (TM) CEMENT	610	sack	12.8	2.18		6	12.11
12.11 Gal		FRESH WATER							

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
4	Super Flush 100	Super Flush 100	5	bbl	10.01				
1000 gal/Mgal		FRESH WATER							

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
5	Displacement	Displacement	192.4	bbl	8.34			8	

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
6	12.8# Annular Fill	PLUGCEM (TM) SYSTEM	120	sack	12.8	2.12		2.5	11.15
11.15 Gal		FRESH WATER							

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
7	15.6# Top Out	PLUGCEM (TM) SYSTEM	105	sack	15.6	1.18		2	5.17
5.17 Gal		FRESH WATER							

Cement Left In Pipe	Amount	43 ft	Reason	Shoe Joint

Comment

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	4/14/2015	13:30:23	USER					HES CREW CALLED OUT AT 13:30 WITH ON LOCATION TIME OF 19:00
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/14/2015	16:20:40	USER					ALL HES CREW MEMBERS
Event	3	Crew Leave Yard	Crew Leave Yard	4/14/2015	16:30:50	USER					HES CREW AND EQUIPMENT READY AND LEFT YARD AT 16:30 WITH 1 F550 PICK UP, 1 HT400 PUMP TRUCK, 2 660 BULK TRUCKS
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	4/14/2015	19:00:56	USER					HES CREW ARRIVED ON LOCATION ON TIME RIG WAS BROKE DOWN HAVING ISSUES WITH THERE TOP DRIVE HES CREW SPOTTED EQUIPMENT AND RIGGED UP
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	4/14/2015	20:30:03	USER					ALL HES CREW MEMBERS
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	4/14/2015	20:40:20	USER					ALL HES CREW MEMBERS
Event	7	Rig-Up Equipment	Rig-Up Equipment	4/14/2015	20:50:30	USER					RIG UP IRON TO RIG FLOOR, WASH UP LINE TO CELLER, FRESH WATER LINES TO DAY TANK, BULK LINES TO SILOS
Event	8	Start Job	Start Job	4/15/2015	00:35:21	COM5					
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	4/15/2015	09:09:17	USER					ALL HES CREW MEMBERS AND RIG CREW

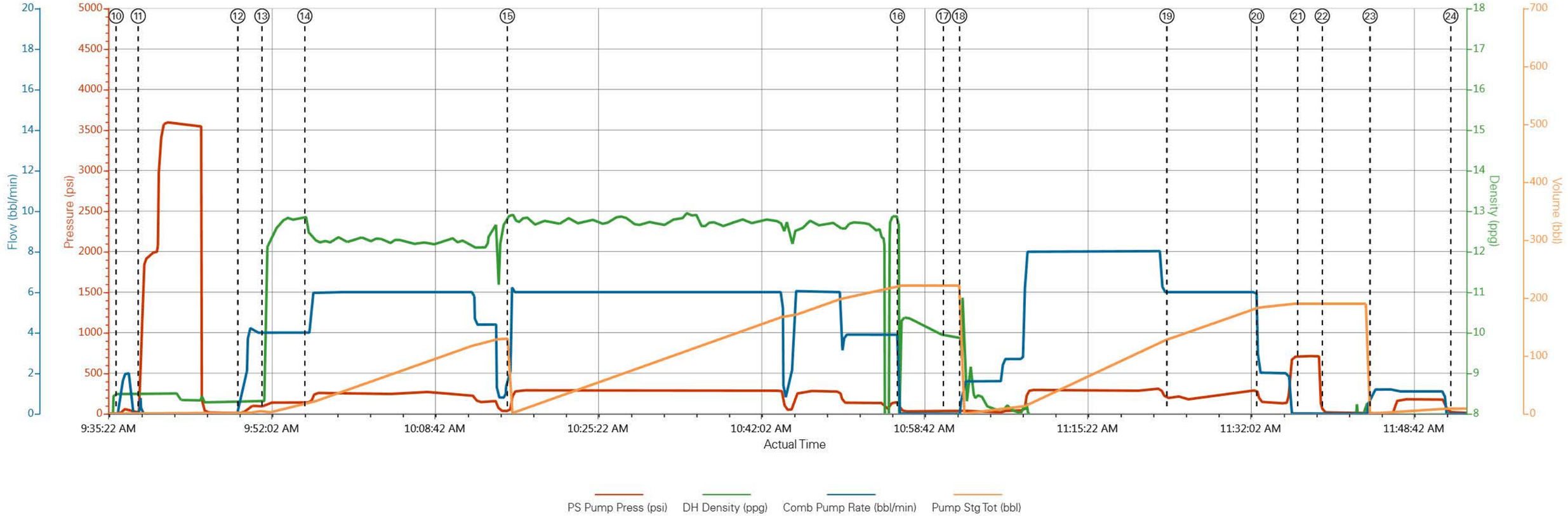
Event	10	Start Job	Start Job	4/15/2015	09:29:07	COM5					TD: 2540 TP: 2532.06 SJ: 43 FC: 2489.06 CSG: 9 5/8 36# J55 OH: 14 3/4 MUD: 9.4 VISC: 59 RIG CIRCULATED FOR A HOUR WITH AIR WITH NO RETURNS
Event	11	Prime Pumps	Prime Lines	4/15/2015	09:36:21	COM5	10.0	8.33	2.0	2.0	PRIME LINES WITH 2 BBLS OF FRESH WATER AT 2 BBL MIN WITH 10 PSI
Event	12	Test Lines	Test Lines	4/15/2015	09:38:37	COM5	23.00	8.48	0.00	2.0	PRESSURE TEST OK AT 3595 PSI KICK OUTS WORKING STALL OUT AT 1992 PSI
Event	13	Pump Spacer 1	Pump Spacer 1	4/15/2015	09:48:47	COM5	92.0	8.36	4.0	10.0	PUMP 10 BBLS OF FRESH WATER AT 4 BBL MIN WITH 92 PSI
Event	14	Pump Lead Cement	Pump Lead Cement	4/15/2015	09:51:15	COM5	250.0	12.35	6.0	139.6	VARICEM 320 SKS 12.3 PPG 2.45 YIELD 14.12 GAL/SK LEAD CEMENT WEIGHT VERIFIED BY MUD SCALES SAMPLES WERE TAKEN TOTAL OF 139.6 BBLS OF LEAD AWAY AVERAGE PRESSURE 250 PSI 6 BOXES OF TUFF FIBER WERE ADDED IN THE FIRST 100 BBLS OF LEAD CEMENT
Event	15	Check Weight	Check weight	4/15/2015	09:55:37	COM5	140.00	12.33	4.00	17.5	LEAD CEMENT WEIGHT VERIFIED BY MUD SCALES
Event	16	Pump Tail Cement	Pump Tail Cement	4/15/2015	10:16:19	COM5	280.0	12.88	6.0	236.8	VARICEM 610 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED BY MUD SCALES SAMPLES WERE TAKEN TOTAL OF 236.8 BBLS OF TAIL AWAY AVERAGE PRESSURE 280 PSI
Event	17	Shutdown	Shutdown	4/15/2015	10:56:09	USER	67.00	7.57	0.00	236.8	SHUTDOWN END OF

											CEMENT READY TANKS FOR DISPLACEMENT
Event	18	Drop Top Plug	Drop Top Plug	4/15/2015	11:00:51	USER					TOP PLUG AWAY WITH NO ISSUES
Event	19	Pump Displacement	Pump Displacement	4/15/2015	11:02:30	COM5	230.0	8.44	8.0	192.4	PUMP 192.4 BBLS OF FRESH WATER DISPLACEMENT HES WASHED UP ON TOP
Event	20	Slow Rate	Slow Rate	4/15/2015	11:23:41	USER	196.00	8.36	6.00	130.0	SLOW RATE TO 6 BBL MIN DUE TO CAUGHT PRESSURE
Event	21	Slow Rate	Slow Rate	4/15/2015	11:32:51	USER	188.00	8.35	2.00	182.4	SLOW RATE LAST 10 BBLS TO 2 BBL MIN TO BUMP PLUG
Event	22	Bump Plug	Bump Plug	4/15/2015	11:37:02	COM5	135.0	8.33	2.00	192.4	PLUG BUMP AT 192.4 BBLS AWAY AT 135 PSI AND WAS TOOK UP TO 712 PSI
Event	23	Check Floats	Check Floats	4/15/2015	11:39:33	USER	712.0	7.94	0.00	192.4	FLOATS HELD WITH 1 BBL BACK TO DISPLACEMENT TANKS
Event	24	Circulate Well	Circulate Well	4/15/2015	11:44:26	USER	200.0	8.33	2.0	10.0	HES PUMP 10 BBLS OF SUGAR WATER TO CLEAR PARASITE TUBING 10 LBS OF SUGAR WAS USED PRESSURE WAS 200 PSI PARASITE TUBING HAD FULL RETURNS TO RIG FLOOR
Event	25	Shutdown	Shutdown	4/15/2015	11:52:41	USER	17.00	8.32	0.00	10.0	SHUTDOWN WITH 10 BBLS PUMP HES CREW WAITED FOR 4 HOUR FOR CEMENT TO SET UP PER CO REP REQUEST BEFORE 1ST TOP OUT
Event	26	Start Job	Start Job	4/15/2015	16:33:10	COM5					START TOP OUT #1 WELL HAD A CEMENT BASKET AT 500 FT
Event	27	Pump Water	Pump Water	4/15/2015	16:45:17	USER	10.0	8.54	1.5	2.0	PUMP 2 BBLS OF FRESH

											WATER AHEAD TO PRIME PUMP AND LINES
Event	28	Pump Tail Cement	Pump Tail Cement	4/15/2015	16:46:55	USER	50.0	12.85	2.5	113.3	PLUGCEM 300 SKS 12.8 PPG 2.12 YIELD 11.15 GAL/SK TAIL CEMENT WEIGHT VERIFIED BY MUDSCALES SAMPLES WERE TAKEN TOTAL OF 113.3 BBLS AWAY 1 BOX OF TUFF FIBER WAS ADDED WHILE PUMPING DOWN HOLE TOTAL FILL 933 FT
Event	29	Shutdown	Shutdown	4/15/2015	17:16:59	USER	7.00	12.86	0.00	73.4	SHUTDOWN DUE TO REBUILD CEMENT IN TUB
Event	30	Resume	Resume	4/15/2015	17:19:07	USER	50.0	12.85	2.5	73.7	RESUME MIXING AND PUMPING CEMENT
Event	31	Pump Water	Pump Water	4/15/2015	17:42:53	USER	40.00	8.45	2.60	2.0	PUMP 2 BBLS OF FRESH WATER BEHIND TO CLEAR PUMPS AND LINES
Event	32	Shutdown	Shutdown	4/15/2015	17:43:47	USER	1.00	7.99	0.00	2.0	SHUTDOWN NO CEMENT TO SURFACE NO RETURNS
Event	33	Wait on Cement	Wait on Cement	4/15/2015	17:45:40	USER					HES CREW WAIT ON LOCATION FOR MORE TOP OUT CO REP REQUESTED 300 MORE SKS
Event	34	Comment	Comment	4/15/2015	23:30:10	USER					HES BULK TRUCK ARRIVED ON LOCATION AT 23:30 HES CREW WAS READY AND RAN SUCTION HOSE TO THE CELLER TO DUMP SUPERFLUSH DOWN BACK SID
Event	35	Pump Water	Pump Water	4/16/2015	00:40:03	USER	40.0	8.35	2.0	2.0	PUMP 2 BBLS OF FRESH WATER AHEAD TO PRIME LINES AND PUMPS
Event	36	Pump Tail Cement	Pump Tail Cement	4/16/2015	00:41:39	USER	62.00	15.66	2.00	22.0	PLUGCEM 105 SKS 15.6 PPG

											1.18 YIELD 5.17 GAL/SK TAIL CEMENT WEIGHT VERIFIED BY MUD SCALES SAMPLES WERE TAKEN TOTAL OF 22 BBLS AWAY 5 BBLS OF SUPERFLUSH WAS DUMP DOWN BACK SIDE WHILE PUMPING CEMENT 3 GALS OF CALCIUM CHLORIDE WAS ADDED TO CEMENT WHILE PUMPING DOWN HOLE
Event	37	Pump Water	Pump Water	4/16/2015	00:52:45	USER	95.00	8.45	2.00	2.0	PUMP 2 BBLS OF FRESH WATER BEHIND TO CLEAR PUMPS AND LINES
Event	38	Shutdown	Shutdown	4/16/2015	00:53:16	USER	54.00	8.27	0.00	2.0	SHUTDOWN WITH 4 BBLS OF CEMENT TO SURFACE HES CREW WATCHED CEMENT FOR 1 HOUR AND CEMENT DID NOT FALL BACK RIG CREW WAS HAVING ISSUES WITH THERE PUMP NOT WORKING TO CLEAR OUT CELLER
Event	39	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	4/16/2015	01:20:53	USER					ALL HES CREW MEMBERS
Event	40	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	4/16/2015	01:25:05	USER					ALL HES CREW MEMBERS
Event	41	Rig-Down Equipment	Rig-Down Equipment	4/16/2015	01:30:19	USER					RIG DOWN IRON, FRESH WATER LINES, BULK LINE, WASH UP PUMP AND BLOW DOWN
Event	42	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/16/2015	02:50:29	USER					ALL HES CREW MEMBERS
Event	43	Crew Leave Location	Crew Leave Location	4/16/2015	03:00:38	USER					THANK YOU FOR USING HALLIBURTON CEMENT

CAERUS OIL AND GAS / PUCKETT 42D-2 / 9 5/8 SURFACE CASING



① Call Out	⑪ Test Lines	21 Bump Plug
② Pre-Convoy Safety Meeting	⑫ Pump Spacer 1	22 Check Floats
③ Crew Leave Yard	⑬ Pump Lead Cement	23 Circulate Well
④ Arrive at Location from Service Center	⑭ Check weight	24 Shutdown
⑤ Assessment Of Location Safety Meeting	⑮ Pump Tail Cement	
⑥ Pre-Rig Up Safety Meeting	⑯ Shutdown	
⑦ Rig-Up Equipment	⑰ Drop Top Plug	
⑧ Pre-Job Safety Meeting	⑱ Pump Displacement	
⑨ Start Job	⑲ Slow Rate	
⑩ Prime Lines	20 Slow Rate	

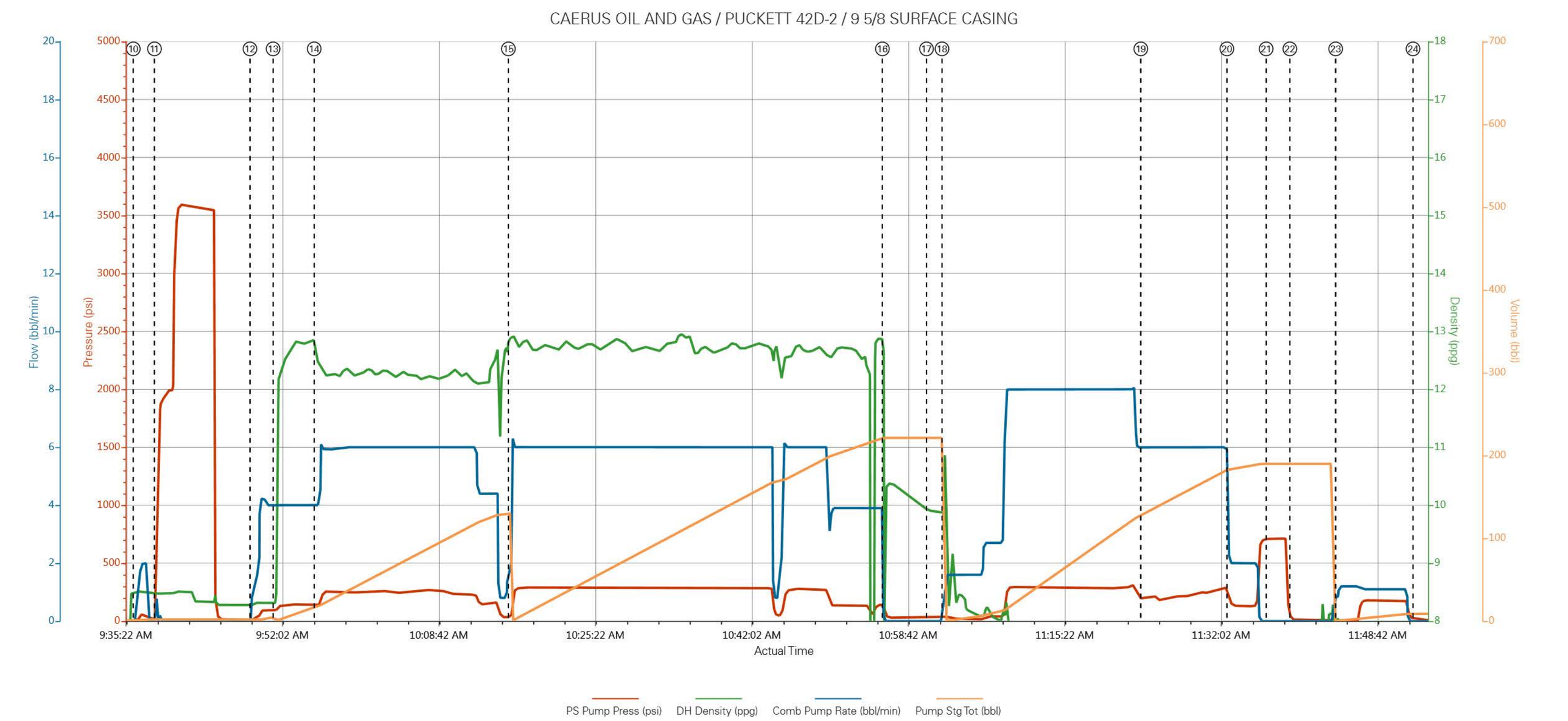
HALLIBURTON | iCem® Service

Created: 2015-04-15 08:34:10, Version: 4.1.107 Edit

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

Job Date : 4/15/2015 8:36:23 AM
Sales Order # : 902319150

Well : PUCKETT 42D-2
ELITE #1 : DILLION MARTIN /CHRIS KUKUS



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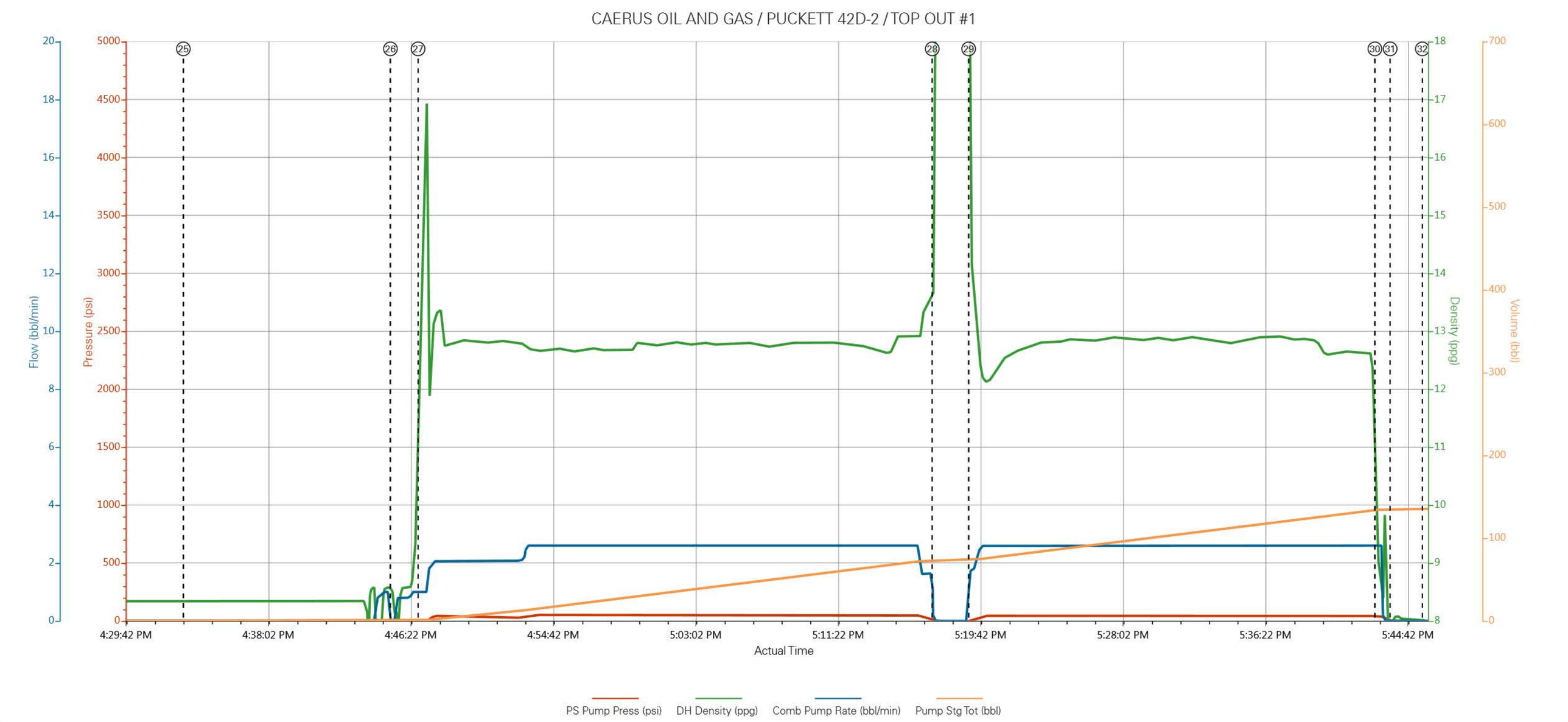

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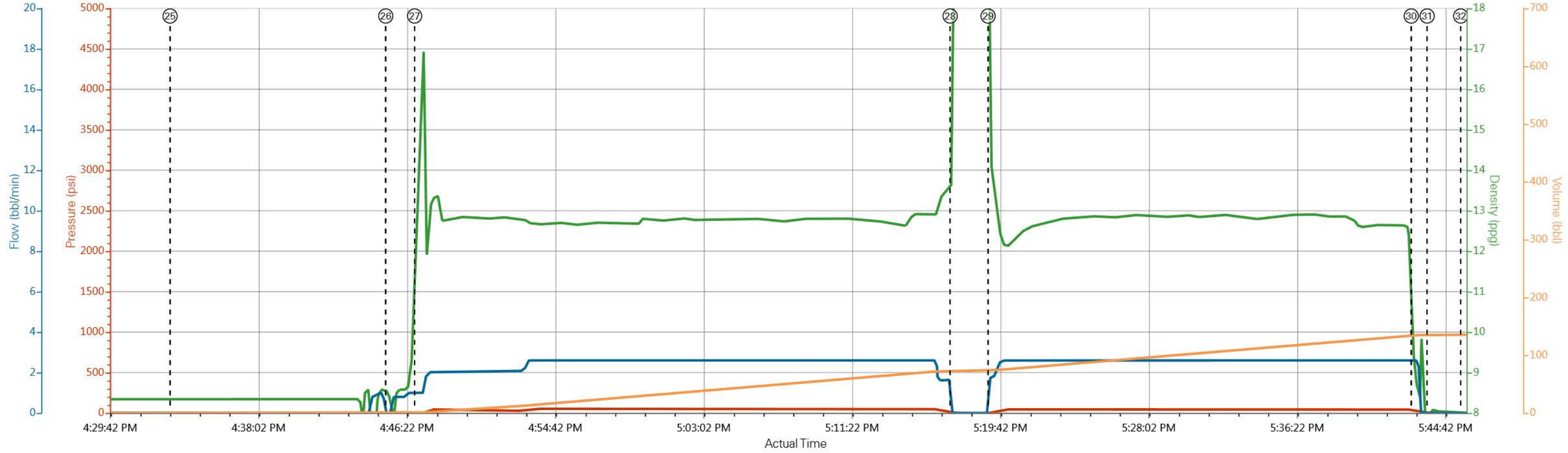
Well: PUCKETT 42D-2
ELITE #1: DILLION MARTIN /CHRIS KUKUS

CAERUS OIL AND GAS / PUCKETT 42D-2 / TOP OUT #1



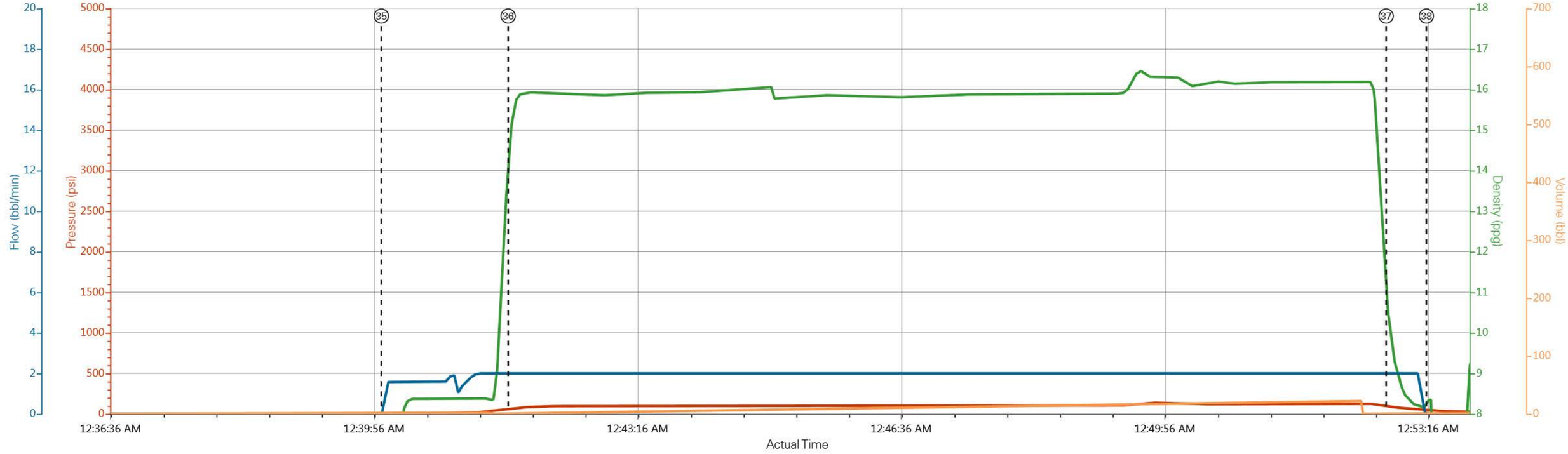
① Call Out	⑪ Test Lines	21 Bump Plug	31 Shutdown
② Pre-Convoy Safety Meeting	⑫ Pump Spacer 1	22 Check Floats	32 Wait on Cement
③ Crew Leave Yard	⑬ Pump Lead Cement	23 Circulate Well	
④ Arrive at Location from Service Center	⑭ Check weight	24 Shutdown	
⑤ Assessment Of Location Safety Meeting	⑮ Pump Tail Cement	25 Start Job	
⑥ Pre-Rig Up Safety Meeting	⑯ Shutdown	26 Pump Water	
⑦ Rig-Up Equipment	⑰ Drop Top Plug	27 Pump Tail Cement	
⑧ Pre-Job Safety Meeting	⑱ Pump Displacement	28 Shutdown	
⑨ Start Job	⑲ Slow Rate	29 Resume	
⑩ Prime Lines	20 Slow Rate	30 Pump Water	

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

Job Date : 4/15/2015 8:36:23 AM
Sales Order # : 902319150

Well : PUCKETT 42D-2
ELITE #1 : DILLION MARTIN /CHRIS KUKUS

CAERUS OIL AND GAS / PUCKETT 42D-2 / TOP OUT #2



① Call Out	⑪ Prime Lines	21 Slow Rate	31 Pump Water	41 Rig-Down Equipment
② Pre-Convoy Safety Meeting	⑫ Test Lines	22 Bump Plug	32 Shutdown	42 Pre-Convoy Safety Meeting
③ Crew Leave Yard	⑬ Pump Spacer 1	23 Check Floats	33 Wait on Cement	43 Crew Leave Location
④ Arrive at Location from Service Center	⑭ Pump Lead Cement	24 Circulate Well	34 Comment	
⑤ Assessment Of Location Safety Meeting	⑮ Check weight	25 Shutdown	35 Pump Water	
⑥ Pre-Rig Up Safety Meeting	⑯ Pump Tail Cement	26 Start Job	36 Pump Tail Cement	
⑦ Rig-Up Equipment	⑰ Shutdown	27 Pump Water	37 Pump Water	
⑧ Start Job	⑱ Drop Top Plug	28 Pump Tail Cement	38 Shutdown	
⑨ Pre-Job Safety Meeting	⑲ Pump Displacement	29 Shutdown	39 Post-Job Safety Meeting (Pre Rig-Down)	
⑩ Start Job	20 Slow Rate	30 Resume	40 Pre-Rig Down Safety Meeting	

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

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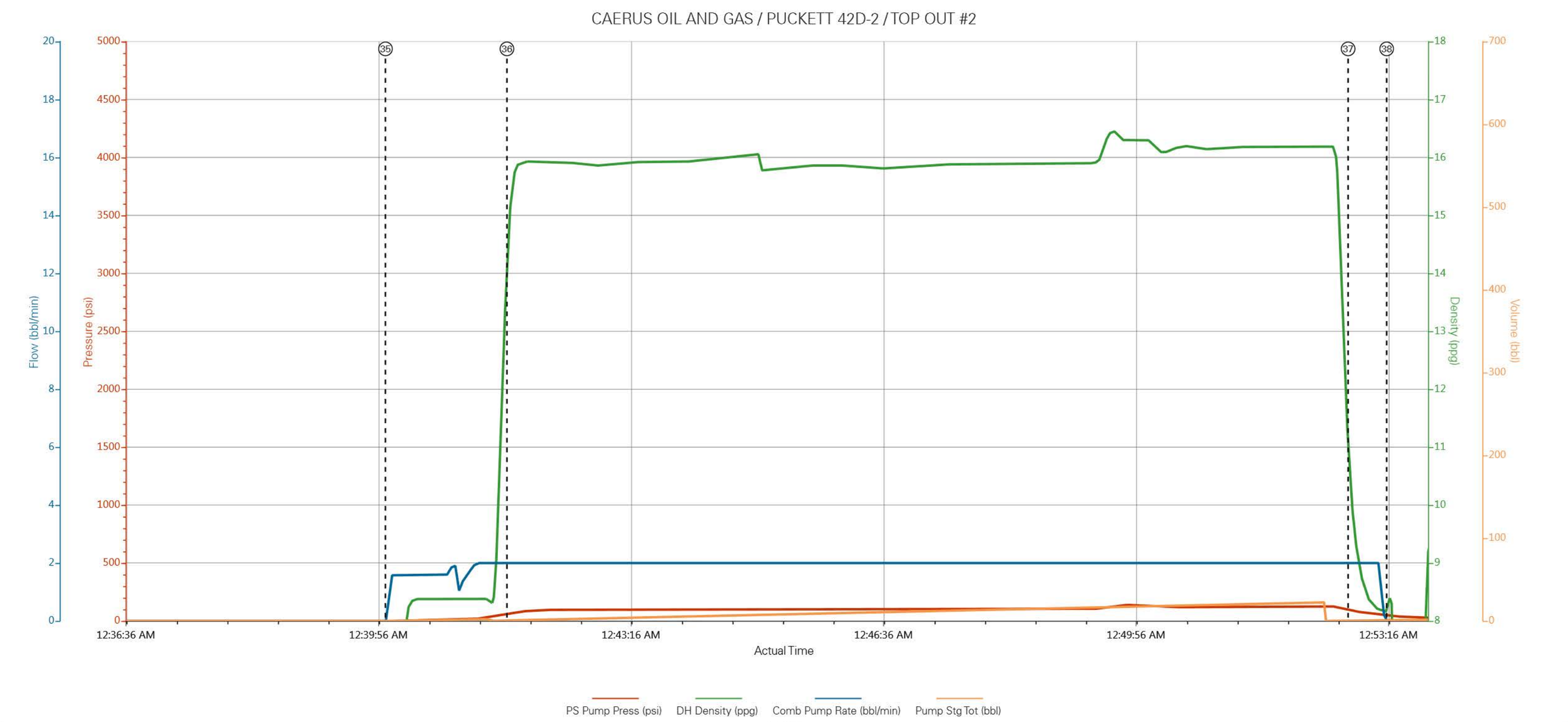

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Sales Order #: 902319150

Well: PUCKETT 42D-2
ELITE #1: DILLION MARTIN /CHRIS KUKUS

HALLIBURTON

Water Analysis Report

Company:	CAERUS	**Date:**	4/15/2015
Submitted by:	CHRIS KUKUS	**Date Rec.:**	4/15/2015
Attention:	LARRY COOKSEY	**S.O.#**	902319150
Lease	PUCKETT	**Job Type:**	SURFACE
Well #	42D-2		

Specific Gravity	*MAX*	1	
pH	*8*	7	
Potassium (K)	*5000*	0	Mg / L
Calcium (Ca)	*500*	120	Mg / L
Iron (FE2)	*300*	0	Mg / L
Chlorides (Cl)	*3000*	0	Mg / L
Sulfates (SO_4)	*1500*	UNDER 400	Mg / L
Hardness		50	Mg / L
Temp	*40-80*	60	Deg
Total Dissolved Solids		120	Mg / L

Respectfully: CHRIS KUKUS

Title: CEMENTING SUPERVISOR

Location: GRAND JUNCTION , CO

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
0902319150	10	4/17/2015
Customer:		**Job Type (BOM):**
CAERUS OIL AND GAS LLC - EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
		05-045-22635-00
Well Name:		**Well Number:**
PUCKETT		0080702188
Well Type:	**Well Country:**	
DIRECTIONAL GAS	USA	
H2S Present:	**Well State:**	**Well County:**
No	COLORADO	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**	**4/17/2015**
Survey Interviewer	**The survey interviewer is the person who initiated the survey.**	**HX35027**
Customer Participation	**Did the customer partipcipate 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

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
0902319150	10	4/17/2015
Customer:		**Job Type (BOM):**
CAERUS OIL AND GAS LLC - EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
		05-045-22635-00
Well Name:		**Well Number:**
PUCKETT		0080702188
Well Type:	**Well Country:**	
DIRECTIONAL GAS	USA	
H2S Present:	**Well State:**	**Well County:**
No	COLORADO	GARFIELD

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/17/2015

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.	8
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.	6
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

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
0902319150	10	4/17/2015
Customer:		**Job Type (BOM):**
CAERUS OIL AND GAS LLC - EBUS		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
		05-045-22635-00
Well Name:		**Well Number:**
PUCKETT		0080702188
Well Type:	**Well Country:**	
DIRECTIONAL GAS	USA	
H2S Present:	**Well State:**	**Well County:**
No	COLORADO	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.	
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 cment mixed at designed density divided by total BBLs of cement multiplied by 100	80
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
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	No
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