

HALLIBURTON

*Cementing Job Summary**The Road to Excellence Starts with Safety*

Sold To #: 300466	Ship To #: 0003751922	Quote #: 0022366128	Sales Order #: 0904388923							
Customer: ANADARKO PETROLEUM CORP-EBUS		Customer Rep: JOSH JOHNSON								
Well Name: WAGNER	Well #: 27C-10HZ	API/UWI #: 05-123-43474-00								
Field: WATTENBERG	City (SAP): IONE	County/Parish: WELD	State: COLORADO							
Legal Description: SE NE-22-1N-67W-1504FNL-761FEL										
Contractor: PRECISION DRLG		Rig/Platform Name/Num: PRECISION 464								
Job BOM: 7525 7525										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA/HX41066		Srvc Supervisor: VITALI NEVERDASOV / MITCHELL CAMPER								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type		BHST								
Job depth MD	15076ft	Job Depth TVD								
Water Depth		Wk Ht Above Floor								
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
Drill Pipe		4	3.34	14			0	4224	0	4224
Casing		7	6.184	29	LTC	HCP110	4224	5660	0	5660
Casing		4.5	4	11.8	LTC	HCP110	5665	15071	5665	7582
Open Hole Section			6.125				5665	15076	5665	7582
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	4.5					Top Plug	4.5	1	WHF	
Float Shoe	4.5	1	N/A	15071		Bottom Plug	4.5		N/A	
Float Collar	4.5	1	N/A	15022		SSR plug set	4.5		N/A	
Insert Float	4.5					Plug Container	4.5		N/A	
Stage Tool	4.5					Centralizers	4.5		100	
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	Tuned Spacer III	Tuned Spacer III	60	bbl	10.5	6.25				
0.70 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)								
88.91 lbm/bbl		BARITE, BULK (100003681)								
37.58 gal/bbl		FRESH WATER								
0.70 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								

last updated on 11/6/2017 1:15:11 PM

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iCem® Service

(v. 4.4.18)

Created: Wednesday, November 08, 2017

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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	EconoCem	ECONOCHEM (TM) SYSTEM	565	sack	13.5	1.68		6	7.98
7.98 Gal		FRESH WATER							
0.50 %		HR-5, 50 LB SK (100005050)							
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	Displacement Fluid	Displacement Fluid	200	bbl	8.34				
Cement Left In Pipe		Amount	49 ft		Reason			Shoe Joint	
Comment : DURING CEMENT JOB AND DISPLACEMENT RIG WAS CONSTANTLY GETTING AROUND 1000 UNITS OF GAS. GOT 10 BBLS OF CEMENT BACK TO SURFACE WHILE CIRCULATE 7" CASING									

2.0 Real-Time Job Summary

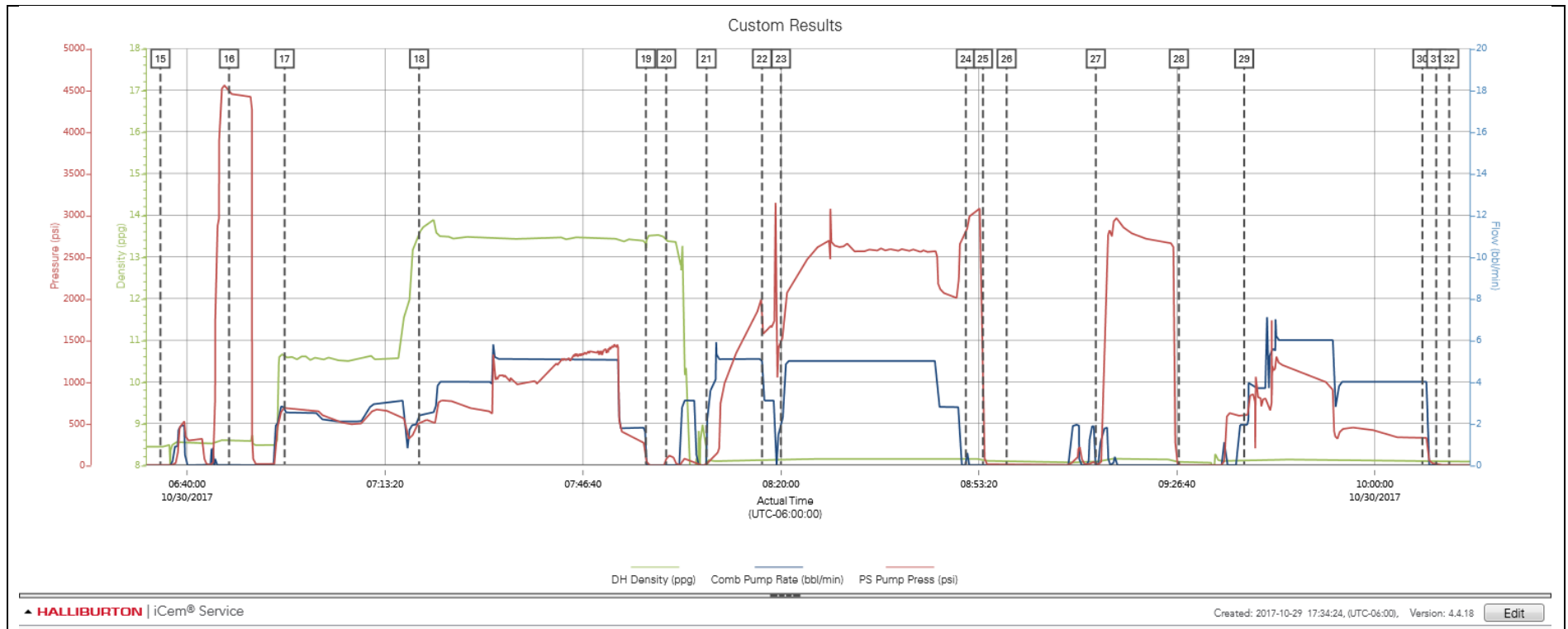
2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Comments
Event	1	Call Out	Call Out	10/29/2017	16:00:00	USER				WITH ON LOCATION @ 00:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	10/29/2017	20:45:00	USER				HELD JSA PRIOR LEAVING THE YARD
Event	3	Depart Shop for Location	Depart Shop for Location	10/29/2017	21:05:00	USER				LEAVING THE YARD
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	10/29/2017	21:17:00	USER				6 MILES/ RIG IS RUNNING CASING
Event	5	Other	Other	10/29/2017	23:28:00	USER				DISCUSS NUMBERS AND PRCEURE WITH CUSTOMER/ RIG IS RUNNING DRILL PIPE
Event	6	Other	Other	10/29/2017	23:45:00	USER				SPOT TRUCKS
Event	7	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	10/29/2017	23:55:00	USER				HELD PRE RIG UP JSA
Event	8	Rig-up Lines	Rig-up Lines	10/30/2017	00:07:00	USER				RIG UP ALL SURFACE LINES TO THE BUFFER ZONE
Event	9	Other	Other	10/30/2017	01:05:00	USER				FINISHED RIG UP TO THE BUFFER ZONE. RIG IS RUNNING DRILL PIPE. CEMENT CREW IS ON STANDBY.
Event	10	Other	Other	10/30/2017	02:17:00	USER				PIPE ON BUTTOM
Event	11	Other	Other	10/30/2017	02:20:00	USER				RIG IS CIRCULATING. GETTING GAS BACK.
Event	12	Safety Meeting - Pre Job	Safety Meeting - Pre Job	10/30/2017	05:16:00	USER				HELD JSA WITH ALL PERSONAL
Event	13	Other	Other	10/30/2017	05:25:00	USER				RIG IS PUMPING BALL DOWN
Event	14	Other	Other	10/30/2017	06:20:00	USER	8.44	1.60	4.00	CEMENT CREW IS FINIFHING RIG UP
Event	15	Start Job	Start Job	10/30/2017	06:35:30	COM4	8.45	0.00	3.00	
Event	16	Test Lines	Test Lines	10/30/2017	06:47:04	COM4	8.59	0.00	4472.00	LOAD LINE AND TEST TO 4645 PSI

Event	17	Pump Spacer 1	Pump Spacer 1	10/30/2017	06:56:25	COM4	10.63	2.60	680.00	BATCH/ WEIGH/ PUMP 60 BBLS OF TUNED SPACER III @ 10.5 PPG
Event	18	Pump Cement	Pump Cement	10/30/2017	07:19:04	COM4	13.54	2.40	505.00	WEIGH/ PUMP 565 SKS (169 BBLS) OF ECONOCEM @ 13.5 PPG
Event	19	Shutdown	Shutdown	10/30/2017	07:57:16	COM4	13.31	0.00	86.00	LOAD PLUG IN DRILL PIPE
Event	20	Clean Lines	CLEAN LINES	10/30/2017	08:00:40	USER	13.38	0.00	73.00	WASH PUMPS AND LINES
Event	21	Pump Displacement	Pump Displacement	10/30/2017	08:07:27	COM4	8.09	0.80	3.00	FRESH WATER DISPLACEMENT, FIRST 20 BBLS WITH MMCR
Event	22	Other	Other	10/30/2017	08:16:49	USER	8.14	3.20	1777.00	SLOW RATE TO PICK UP WIPER PLUG
Event	23	Other	Other	10/30/2017	08:20:00	USER	8.13	1.80	1491.00	PICK RATE BACK UP
Event	24	Bump Plug	Bump Plug	10/30/2017	08:51:07	COM4	8.15	0.00	2781.00	BUMP PLUG @ 3052 PSI WITH FINAL LIFT PLESSURE 2150
Event	25	Check Floats	Check Floats	10/30/2017	08:54:00	USER	8.12	0.00	1426.00	FLOATS HELD
Event	26	Other	Other	10/30/2017	08:58:00	USER	8.10	0.00	1.00	TOOL HAND IS SETTING PACKER
Event	27	Other	Other	10/30/2017	09:13:00	USER	8.09	0.00	11.00	TEST BACK SIDE @ 3000 PSI FOR 15 MIN.
Event	28	Other	Other	10/30/2017	09:27:00	USER	8.08	0.00	1.00	BLEED OFF PRESSURE
Event	29	Other	Other	10/30/2017	09:38:00	USER	8.12	1.90	598.00	ROLL 7" CASING.
Event	30	Shutdown	Shutdown	10/30/2017	10:08:00	USER	8.11	4.00	330.00	JOB IS COMPLETE
Event	31	End Job	End Job	10/30/2017	10:10:20	COM4				
Event	32	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	10/30/2017	10:12:31	USER	8.09	0.00	2.00	HELD PRE RIG DOWN JSA / RIGGING DOWN
Event	33	Depart Location Safety Meeting	Depart Location Safety Meeting	10/30/2017	11:25:00	USER				HELD JSA PRIOR LEAVING LOCATION
Event	34	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	10/30/2017	11:40:00	USER				LEAVING LOCATION

3.0 Attachments

3.1 CUSTOM RESULTS – JOB CHART WITH EVENTS



3.2 CUSTOM RESULTS – JOB CHART WITHOUT EVENTS

