

# HALLIBURTON

iCem<sup>®</sup> Service

**GREAT WESTERN OIL & GAS LLC - eBUS**

**For:**

Date: Wednesday, August 27, 2014

**POSTILE IC 11-342HC**

POSTILE

Case 1

Sincerely,

**AARON SMITH**

Field Ticket Number: 0901610951      Field Ticket Date: Wednesday, August 27, 2014      Planning Order #: NA

**Bill To:**  
 GREAT WESTERN OIL & GAS LLC - eBUS,  
 DONOTMAIL-1801 BROADWAY STE 500,  
 DENVER, CO, 80202

**Job Name:** 7" Intermediate  
**Order Type:** ZOH  
**Well Name:** POSTLE -IC- 11-342 HC  
**Company Code:** 1100  
**Customer PO No.:** W10537  
**Shipping Point:** FORT LUPTON Shipping Point  
**Sales Office:** ROCKY MOUNTAINS BD  
**Well Type:** HORIZONTAL OIL  
**Well Category:** Development  
**Rig Name#:** Xtreme 17

**Ship To:**  
 POSTLE -IC- 11-342 HC,WELD,  
 PLATTEVILLE, CO, 80651

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00		0.00
	<b>Cementing Services &amp; Equipment</b>						
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 7588 FT	EA	10,733.00	10,733.00	7298.44	3,434.56
432904	CMT, ROCKIES SG SETUP	1	EA	0.00	10,213.00	6469.52	3,743.48
432906	CMT, ROCKIES SG DELIVERY	35	TNM	0.00	-2,833.50	-2833.50	0.00
	<b>Cementing Materials</b>						
452992	CMT, EconoCem (TM) system	590	SK	0.00	54,126.09	36805.74	17,320.35
452979	CMT, ExpandaCem (TM) system	110	SK	0.00	16,548.22	11252.78	5,295.44
2	MILEAGE FOR CEMENTING CREW Number of Units	70 1	MI	5.76	403.20	274.18	129.02
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	70 1	MI	9.79	685.30	466.00	219.30
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	70 1	MI	0.23	16.10		16.10
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	70 1	MI	0.68	47.60		47.60
87605	FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	35 37.019	MI	0.23	298.00		298.00
76400	MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	35 37.019	MI	3.35	4,340.48	2951.53	1,388.95
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	938 EA 1	CF	5.49	5,149.62	3501.74	1,647.88
483826	SBM, CMT, Tuned Spacer III	30	BBL	293.00	8,790.00	5977.20	2,812.80
100003681	CHEM, BARITE, BULK Barite	45	SK	31.07	1,398.15	950.74	447.41
<b>Totals USD</b>					<b>\$ 109,915.26</b>	<b>\$ 73,114.37</b>	<b>\$ 36,800.89</b>

Field Ticket Signature

Field Ticket Number: 0901610951      Field Ticket Date: Wednesday, August 27, 2014      Planning Order #: NA

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**Rig Name/#:** Xtreme 17

**Ship To:**  
POSTLE -IC- 11-342 HC,WELD,  
PLATTEVILLE, CO, 80651

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE. CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE, ON ANY PRECEDING PAGES, AND ATTACHED DOCUMENTS.

Gross Amount Total: \$ 109,915.26  
Item Discount Total: \$ 73,114.37  
Net Amount Total: \$ 36,800.89 USD

Customer Representative Signature:  
  
JEFF LOFTON  
Customer Representative

Date:  
  
Aaron Smith  
Halliburton Representative

Was our HSE performance satisfactory? (Health, Safety, Environment)  
 Yes     No

Were you satisfied with our equipment?  
 Yes     No

Were you satisfied with our people?  
 Yes     No

Comments:

The Road to Excellence Starts with Safety

Sold To #: 346459	Ship To #: 3358874	Quote #:	Sales Order #: 0901610951
Customer: GREAT WESTERN OIL & GAS LLC - eBUS		Customer Rep: JEFF LOFTON	
Well Name: POSTLE -IC-	Well #: 11-342 HC	API/UWI #: 05-123-38972-00	
Field: WATTENBERG	City (SAP): PLATTEVILLE	County/Parish: WELD	State: COLORADO
Legal Description: SW SW-12-3N-68W-498FSL-250FWL			
Contractor:		Rig/Platform Name/Num: Xtreme 17	
Job BOM: 7522			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB60191		Srcv Supervisor: Aaron Smith	

**Job**

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	7588ft Job Depth TVD 7251
Water Depth	Wk Ht Above Floor 4
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			0	1040	0	0
Casing	0	7	6.276	26		P-110	0	7588	0	7251
Open Hole Section			8.75				1040	7604	0	7251

**Tools and Accessories**

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	7				Top Plug	7	1	HES
Float Shoe	7	1	SSII	7588	Bottom Plug	7		HES
Float Collar	7	1	SSII	7536	SSR plug set	7		HES
Insert Float	7				Plug Container	7	1	HES
Stage Tool	7				Centralizers	7		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 <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	11.5 lb/gal Tuned Spacer III	Tuned Spacer III	30	bbl	11.5	3.75	24.2	6		
36.09 gal/bbl		FRESH WATER								
148.73 lbm/bbl		BARITE, BULK (100003681)								

# HALLIBURTON

GREAT WESTERN OIL & GAS LLC - EBUS  
 GREAT WESTERN POSTILE IC 11-342HC INTERMEDIATE  
 Case 1

## 1.6 Job Event Log

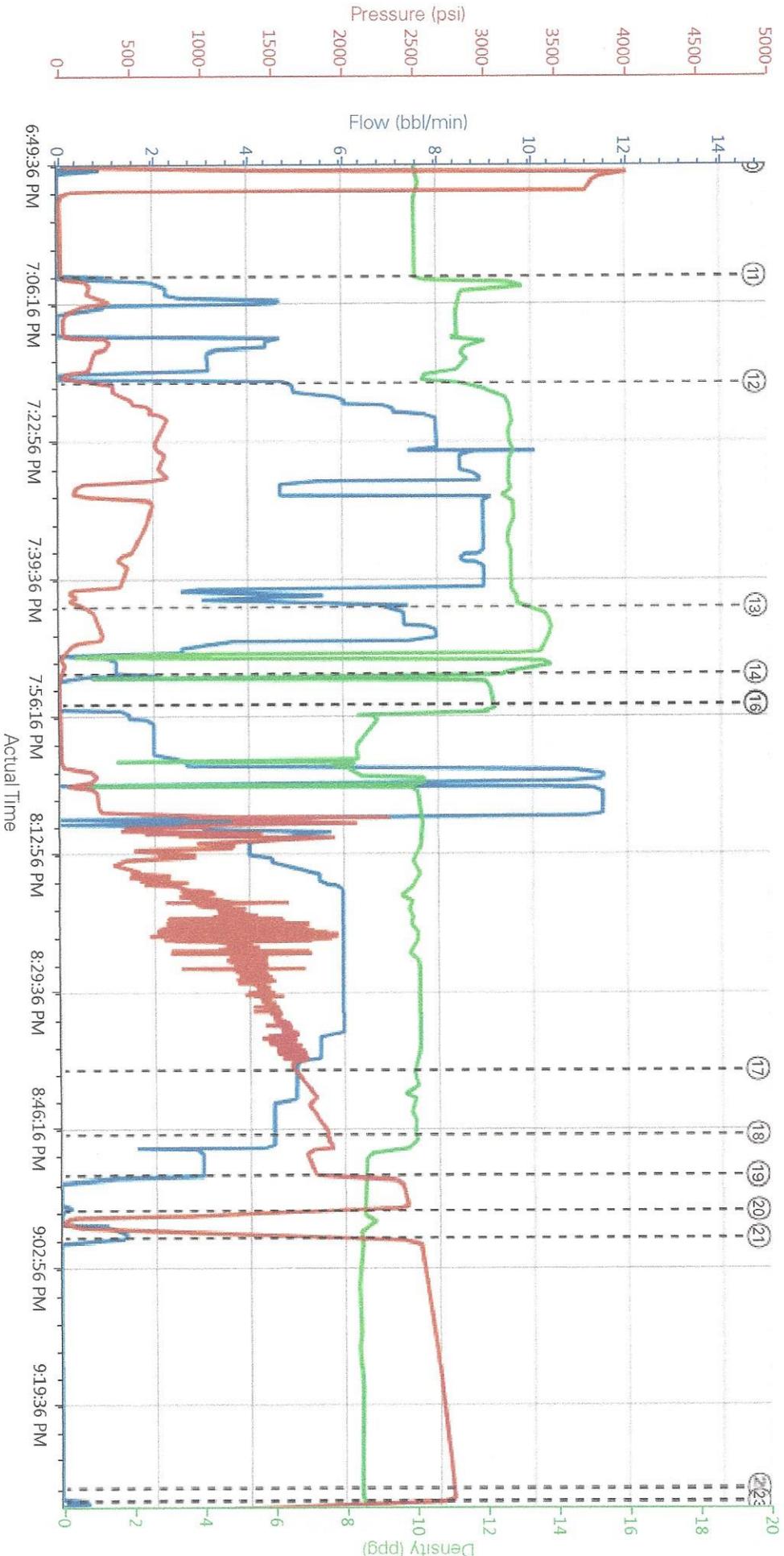
Event	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comment
Event 1	1	Call Out	Call Out	8/27/2014	13:00:00	USER				FOR ON LOCATION AT 1700
Event 2	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	8/27/2014	15:45:00	USER				JOURNEY MANAGEMENT MEETING PRIOR TO DEPARTURE
Event 3	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	8/27/2014	16:00:00	USER				WITH ALL EQUIPMENT AND MATERIALS, CASING CREW RIGGING DOWN
Event 4	4	Arrive at Location from Service Center	Arrive at Location from Service Center	8/27/2014	17:00:00	USER				RIG-UP JSA WITH HES CREW
Event 5	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	8/27/2014	17:10:00	USER				
Event 6	6	Rig-Up Equipment	Rig-Up Equipment	8/27/2014	17:20:00	USER				
Event 7	7	Rig-Up Completed	Rig-Up Completed	8/27/2014	17:40:00	USER				WITH CUSTOMER REP AND RIG CREW
Event 8	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/27/2014	18:00:00	USER	0.00	1.53	4.00	
Event 9	9	Start Job	Start Job	8/27/2014	18:31:22	COM4	0.00	10.14	5.00	
Event 10	10	Test Lines	Test Lines	8/27/2014	18:49:54	COM4	0.00	10.11	45.00	@3500 PSI
Event 11	11	Pump Spacer 1	Pump Spacer 1	8/27/2014	19:03:30	COM4	1.30	11.07	90.00	30 BBLs @ 11.5 PPG, 3.75 YIELD, 24.2 GAL/SK
Event 12	12	Pump Lead Cement	Pump Lead Cement	8/27/2014	19:16:19	COM4	5.00	11.85	387.00	198 BBLs 590 SKS @ 12.7 PPG, 1.89 YIELD, 9.97 GAL/SK
Event 13	13	Pump Tail Cement	Pump Tail Cement	8/27/2014	19:43:25	COM4	7.30	13.69	242.00	32 BBLs 110 SKS @ 13.8 PPG, 1.68 YIELD, 7.66 GAL/SK
Event 14	14	Shutdown	Shutdown	8/27/2014	19:51:35	COM4	0.00	1.04	12.00	PRE-LOADED HWE TOP PLUG IN PLUG CONTAINER, VERIFIED BY CUSTOMER REP
Event 15	15	Drop Top Plug	Drop Top Plug	8/27/2014	19:55:16	COM4	0.00	12.31	3.00	
Event 16	16	Pump Displacement	Pump Displacement	8/27/2014	19:55:22	COM4	0.00	12.29	3.00	288 BBLs MUD

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Event	Description	Date	Time	User	Quantity	Rate	Amount	Notes
Event 17	Other	8/27/2014	20:39:33	COM4	5.00	9.99	1641.00	@243 BBLs DISPLACEMENT, 30 BBLs TO SURFACE
Event 18	Other	8/27/2014	20:47:26	COM4	4.60	10.00	1882.00	@273 BBLs DISPLACEMENT, 15 BBLs TO SURFACE
Event 19	Bump Plug	8/27/2014	20:52:27	COM4	0.00	8.56	2366.00	FINAL CIRCULATING PRESSURE 1867 PSI
Event 20	Check Floats	8/27/2014	20:56:31	USER	0.00	8.51	1157.00	FLOATS HELD, 2.25 BBLs BACK
Event 21	Pressure Up Well	8/27/2014	20:59:48	COM4	0.00	8.44	2509.00	CASING TEST @ 2500 PSI FOR 30 MIN
Event 22	Pre-Rig Down Safety Meeting	8/27/2014	21:30:00	USER	0.00	8.52	2773.00	RI-DOWN JSA WITH HES CREW
Event 23	End Job	8/27/2014	21:31:30	COM4				
Event 24	Rig-Down Equipment	8/27/2014	21:35:00	USER				
Event 25	Rig-Down Completed	8/27/2014	22:00:00	USER				
Event 26	Depart Location for Service Center or Other Site	8/27/2014	22:15:00	USER				

GREAT WESTERN POSTILE IC 11-342HC INTERMEDIATE



- ① Call Out n/a;n/a;n/a
- ② Depart Yard Safety Meeting n/a;n/a;n/a
- ③ Depart from Service Center or Other Site n/a;n/a;n/a
- ④ Arrive at Location from Service Center n/a;n/a;n/a
- ⑤ Pre-Rig Up Safety Meeting n/a;n/a;n/a
- ⑥ Rig-Up Equipment n/a;n/a;n/a
- ⑦ Rig-Up Completed n/a;n/a;n/a
- ⑧ Pre-Job Safety Meeting 0:1:53.4
- ⑨ Start Job 0:10:14.5
- ⑩ Test Lines 0:10:09.45
- ⑪ Pump Spacer 1 1.3;11.23;99
- ⑫ Pump Lead Cement 5;11:85;391
- ⑬ Pump Tail Cement 7.3;13:69;241
- ⑭ Shutdown 0:0:93.11
- ⑮ Drop Top Plug 0:12:3.3
- ⑯ Pump Displacement 0:12:28.3
- ⑰ Spacer Returns to Surface
- ⑱ Cement Returns to Surface
- ⑲ Bump Plug 0:8:56;2366
- ⑳ Check Floats 0:8:52;1135

HALLIBURTON | iCem® Service

Customer : GREAT WESTERN OIL & GAS LLC - eBUS  
 Representative : AARON SMITH  
 Job Date : 8/27/2014 5:58:52 PM  
 Well : POSTILE IC 11-342HC  
 Sales Order # : 901610951  
 Created: 2014-08-27 15:09:34, Version: 3.0.148