

CARRIZO OIL & GAS INC - EBUS

Barracuda 20-14-7-60

EXTREME/19

## **Post Job Summary** **Plug Service - Whipstock**

Date Prepared: 12/2/11  
Version: 1

Submitted by: FRY, DOMINIK

HALLIBURTON

# HALLIBURTON

## Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min
1	1	Spacer	TUNED SPACER III	11.00	5.00
1	2	Cement Slurry	PlugCem 15.8#	15.80	5.00
1	3	Cement Slurry	PlugCem 15.8#	15.80	5.00
1	4	Cement Slurry	PlugCem 17.5#	17.50	5.00

### The Road to Excellence Starts with Safety

Sold To #: 301228	Ship To #: 2891040	Quote #:	Sales Order #: 9081661
Customer: CARRIZO OIL & GAS INC - EBUS	Customer Rep:		
Well Name: Barracuda	Well #: 20-14-7-60	API/UWI #: 05-123-34387	
Field:	City (SAP): RAYMER	County/Parish: Weld	State: Colorado
Contractor: EXTREME	Rig/Platform Name/Num: 19		
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well	Job Type: Plug Service - Whipstock		
Sales Person: PETERSON, ERIC	Srv Supervisor:	MBU ID Emp #:	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
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### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

**TOTAL** Total is the sum of each column separately

### Job

### Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location			
Form Type		BHST	Job Started			
Job depth MD	6787. ft	Job Depth TVD	6787. ft	Job Completed	22 - Nov - 2011	02:00
Water Depth		Wk Ht Above Floor		Departed Loc		
Perforation Depth (MD)	From	To				

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				7.875				750.	6787.	.	.
Surface Casing	Unknown		8.625	8.097	24.			.	721.		

# HALLIBURTON

Drill Pipe	Unknow n		4.	.	25.168			.	6787.	.	
Stinger	Unknow n		2.875	.				250.	7000.	.	.

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

## 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/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	TUNED SPACER III	TUNED SPACER III - SBM (483826)		bbl	11.	6.74	42.29	5.0	
2	PlugCem 15.8#	PLUGCEM (TM) SYSTEM (452969)		sacks	15.8	1.15	4.97	5.0	4.97
	4.97 Gal	FRESH WATER							
3	PlugCem 15.8#	PLUGCEM (TM) SYSTEM (452969)		sacks	15.8	1.15	4.97	5.0	4.97
	4.97 Gal	FRESH WATER							
4	PlugCem 17.5#	PLUGCEM (TM) SYSTEM (452969)		sacks	17.5	.94	3.36	5.0	3.36
	3.36 Gal	FRESH WATER							

### Calculated Values

### Pressures

### Volumes

Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

### Rates

Circulating		Mixing		Displacement		Avg. Job	
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint			
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID

The Information Stated Herein Is Correct

Customer Representative Signature