

HALLIBURTON

WILLIAMS PRODUCTION RMT INC

**KP 431-17
KOKOPELLI
Garfield County , Colorado**

Cement Surface Casing
16-Jan-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2900679		Quote #:		Sales Order #: 9185946	
Customer: WILLIAMS PRODUCTION RMT INC - EBUS				Customer Rep: Hutson, Matt			
Well Name: KP		Well #: 431-17		API/UWI #: 05-045-20989			
Field: KOKOPELLI		City (SAP): SILT		County/Parish: Garfield		State: Colorado	
Lat: N 39.566 deg. OR N 39 deg. 33 min. 55.854 secs.				Long: W 107.58 deg. OR W -108 deg. 25 min. 13.102 secs.			
Contractor: NABORS		Rig/Platform Name/Num: NABORS 574					
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: SCOTT, KYLE				Srcv Supervisor: NICKLE, RYON		MBU ID Emp #: 454759	
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
ANDERSON, ADAM S	6	456683	BANKS, BRENT A	6	371353	CARTER, ERIC Earl	6
NICKLE, RYON	6	454759					
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248057	60 mile	10867094	60 mile	10872429	60 mile	10897925	60 mile
11259885	60 mile	11360883	60 mile				
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
1/15/2012	.5	0	1/16/2011	5.5			
TOTAL		Total is the sum of each column separately					
Job				Job Times			
Formation Name				Date			
Formation Depth (MD) Top 0 Bottom 1320				Time			
Form Type BHST				Time Zone			
Job depth MD 1320. ft				Called Out 15 - Jan - 2012 19:00 MST			
Job Depth TVD 1320. ft				On Location 15 - Jan - 2012 23:30 MST			
Water Depth Wk Ht Above Floor 4. ft				Job Started 16 - Jan - 2012 03:41 MST			
Perforation Depth (MD) From To				Job Completed 16 - Jan - 2012 04:40 MST			
				Departed Loc 16 - Jan - 2012 06:00 MST			
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
OPEN HOLE				13.5			
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40
Sales/Rental/3 rd Party (HES)							
Description				Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA				1	EA		
Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	
Fluid Data							
Stage/Plug #: 1							

HALLIBURTON***Cementing Job Summary***

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		20.00	bbl	8.33	.0	.0	6	
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	190.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		97.40	bbl	8.34	.0	.0	10	
Calculated Values		Pressures		Volumes					
Displacement	97.4	Shut In: Instant		Lost Returns		Cement Slurry	140.6	Pad	
Top Of Cement		5 Min		Cement Returns	30	Actual Displacement	97.4	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	258RID
Rates									
Circulating	RIG	Mixing	8	Displacement	10	Avg. Job	9		
Cement Left In Pipe	Amount	44.3 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					

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Legal Description:			
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Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: SCOTT, KYLE	Srv Supervisor: NICKLE, RYON	MBU ID Emp #: 454759	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/15/2012 19:00							HES CEMENT CREW
Pre-Convoy Safety Meeting	01/15/2012 22:15							ALL HES CEMENT CREW
Crew Leave Yard	01/15/2012 22:30							
Arrive At Loc	01/15/2012 23:30							RIG RIGGING UP CASING CREW
Assessment Of Location Safety Meeting	01/15/2012 23:35							ALL HES CEMENT CREW
Other	01/15/2012 23:45							SPOT EQUIPMENT; 1 CEMENTERS F 550, 1 ELITE PUMPING UNIT, 1 660 BULK TRANSPORT, 1 400 BULK TRANSPORT
Pre-Rig Up Safety Meeting	01/16/2012 01:00							ALL HES CEMENT CREW
Pre-Job Safety Meeting	01/16/2012 03:25							ALL HES CEMENT CREW, RIG CREW, COMPANY REP, AVAILABLE 3RD PARTY EE'S
Start Job	01/16/2012 03:41							TD- 1320' TP- 1282' SHOE- 44.32' OH- 13.5" SURFACE CASING- 9.625" 32.3#/FT H-40 CENTRALIZERS- 7=2 TURBULIZERS MUD- 9.8 PPG YP- 26 PV- 28
Other	01/16/2012 03:42		2	2			188.0	FILL LINES, FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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SUMMIT Version: 7.3.013

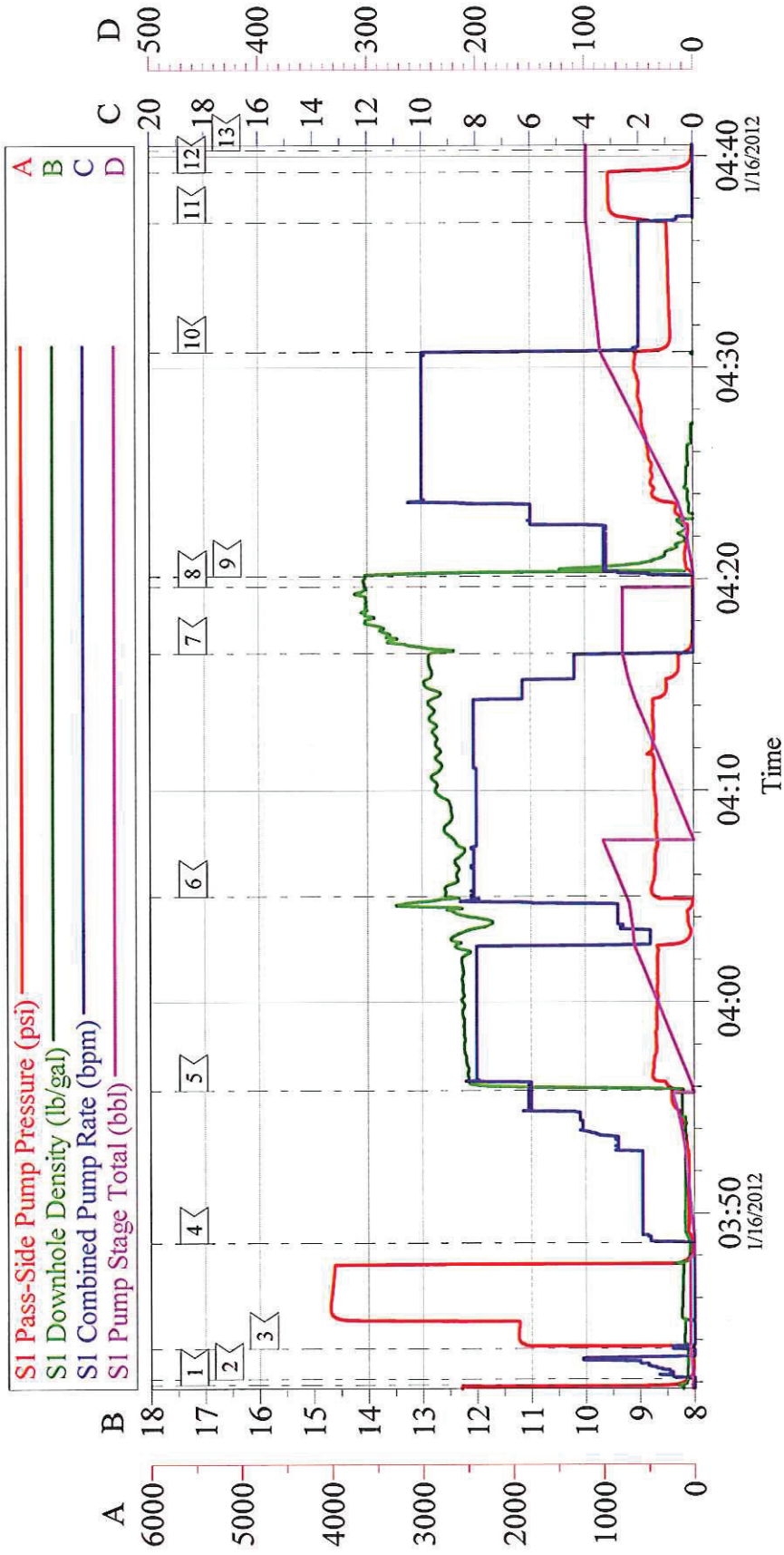
Saturday, January 21, 2012 11:27:00

Cementing Job Log

Pressure Test	01/16/2012 03:43							STALL OUT @ 1972 PSI, HELD FOR 30 SEC. PRESSURE UP TO 4061 PSI HELD FOR 2 MIN, PRESSURE DROP TO 4011 PSI
Pump Spacer 1	01/16/2012 03:48		6	20			248.0	FRESH WATER
Pump Lead Cement	01/16/2012 03:55		8	80.5			458.0	190 SKS; 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK
Pump Tail Cement	01/16/2012 04:04		8	60.12			443.0	160 SKS; 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	01/16/2012 04:16							WASH UP ON TOP OF PLUG PER CO REP
Drop Top Plug	01/16/2012 04:19							CO REP VERIFIED PLUG LAUNCHED
Pump Displacement	01/16/2012 04:20		10	87.4			655.0	FRESH WATER
Slow Rate	01/16/2012 04:30		2	10			308.0	
Bump Plug	01/16/2012 04:36						985.0	
Check Floats	01/16/2012 04:39							FLOATS HELD, RETURNED 3/4 BBLS H2O
End Job	01/16/2012 04:40							PIPE WAS NOT MOVED, GOOD RETURNS THROUGHOUT, 30 BBLS CEMENT TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	01/16/2012 04:45							ALL HES CEMENT CREW
Pre-Convoy Safety Meeting	01/16/2012 05:45							ALL HES CEMENT CREW
Crew Leave Location	01/16/2012 06:00							THANK YOU FOR USING HALLIBURTON CEMENTING, RYON NICKLE AND CREW

WILLIAMS - KP 431-17

SURFACE

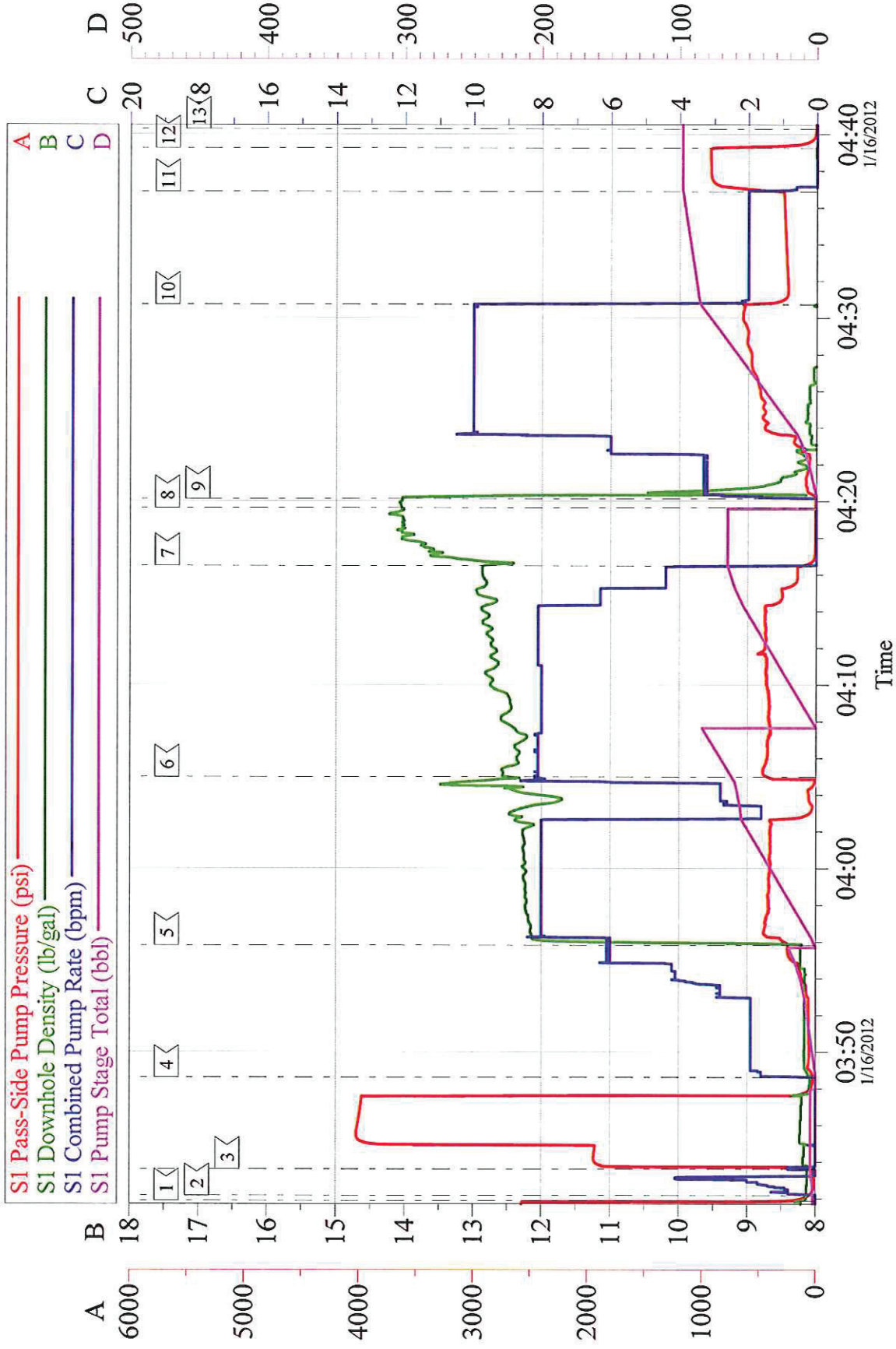


Local Event Log			
1 START JOB	03:41:53	2 FILL LINES	03:42:10
4 PUMP H2O SPACER	03:48:36	5 PUMP LEAD CEMENT	03:55:49
7 SHUTDOWN	04:16:29	8 DROP TOP PLUG	04:19:38
10 SLOW RATE	04:30:44	11 BUMP PLUG	04:36:52
13 END JOB	04:40:17	12 CHECK FLOATS	04:39:15
		3 PRESSURE TEST	03:43:36
		6 PUMP TAIL CEMENT	04:04:59
		9 PUMP DISPLACEMENT	04:20:08

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	KP 431-17		Job Type:	SURFACE	ADC Used:	YES
	MHUTSON		Cement Supervisor:	RYON NICKLE	Elite # / Operator:	#7 / BRENT BANKS

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SURFACE



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OptiCem v6.4.10
16-Jan-12 04:47