
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**KP 324-8
KOKOPELLI
Garfield County , Colorado**

Cement Surface Casing
28-Mar-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2913334	Quote #:	Sales Order #: 9335445
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Valad, Gary	
Well Name: KP		Well #: 324-8	API/UWI #: 05-045-20992
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.536 deg. OR N 39 deg. 32 min. 7.822 secs.		Long: W 107.58 deg. OR W -108 deg. 25 min. 12.59 secs.	
Contractor: NABORS 574		Rig/Platform Name/Num: NAB 574	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	7	439784	BRENNECKE, ANDREW Bailey	7	486345	HARDRICK, RAYMOND Frank	7	391324
VANALSTYNE, TROY L	7	420256						

Equipment

HES Unit #	Distance-1 way						
10001431	60 mile	10616651C	60 mile	10867304	60 mile	10897797	60 mile
10998054	60 mile	11583931	60 mile	11808827	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3-28-2012	7	3						

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	28 - Mar - 2012	07:00	MST	
Form Type		BHST	Job Started	28 - Mar - 2012	12:00	MST	
Job depth MD	1307. ft	Job Depth TVD	1307. ft	Job Started	28 - Mar - 2012	16:35	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	28 - Mar - 2012	17:39	MST
Perforation Depth (MD)	From	To	Departed Loc	28 - Mar - 2012	19:00	MST	

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
OPEN HOLE				13.5				.	1307.		
SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1292.		

Sales/Rental/3rd 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	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
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 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	4	
2	VersaCem Lead	VERSACEM (TM) SYSTEM (452010)	200.0	sacks	12.3	2.38	13.77	7	13.77
	13.77 Gal	FRESH WATER							
3	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	7	11.75
	11.75 Gal	FRESH WATER							
4	Displacement Fluid		98.00	bbl	8.34	.0	.0	8	
Calculated Values		Pressures		Volumes					
Displacement	98.1	Shut In: Instant		Lost Returns		Cement Slurry	144.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	98.1	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	263
Rates									
Circulating	RIG	Mixing	7	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	44.4 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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Well Name: KP		Well #: 324-8	API/UWI #: 05-045-20992
Field: KOKOPELLI	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.536 deg. OR N 39 deg. 32 min. 7.822 secs.		Long: W 107.58 deg. OR W -108 deg. 25 min. 12.59 secs.	
Contractor: NABORS 574		Rig/Platform Name/Num: NAB 574	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srv Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/28/2012 07:00							Crew in field after last job. No add hours or derrick charge.
Pre-Convoy Safety Meeting	03/28/2012 09:45							Including entire cement crew.
Crew Leave Yard	03/28/2012 10:00							
Arrive At Loc	03/28/2012 12:00							Rig still Running casing.
Assessment Of Location Safety Meeting	03/28/2012 14:30							Water; PH 7; KCL 0; So4 <200; Fe 0; Calcium 50; Chlorides 0; Temp 58; TDS 190.
Pre-Rig Up Safety Meeting	03/28/2012 14:35							Including entire cement crew.
Rig-Up Equipment	03/28/2012 14:40							1 Elite # 4; 2 660 bulk truck; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 9.625" compact head.
Rig-Up Completed	03/28/2012 16:10							
Pre-Job Safety Meeting	03/28/2012 16:15							Including everyone on location.
Start Job	03/28/2012 16:35							TD 1307; TP 1292; SJ 44.49; OH 13.5; Casing 9.625" 32.3#; Mud 9.6 ppg.
Pump Water	03/28/2012 16:37		2	2			25.0	Fill lines with fresh water.
Test Lines	03/28/2012 16:39						2468.0	Good pressure test, no leaks.
Pump Spacer 1	03/28/2012 16:47		4	20			80.0	20 BBL fresh water spacer.
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

Sold To # : 300721

Ship To # :2913334

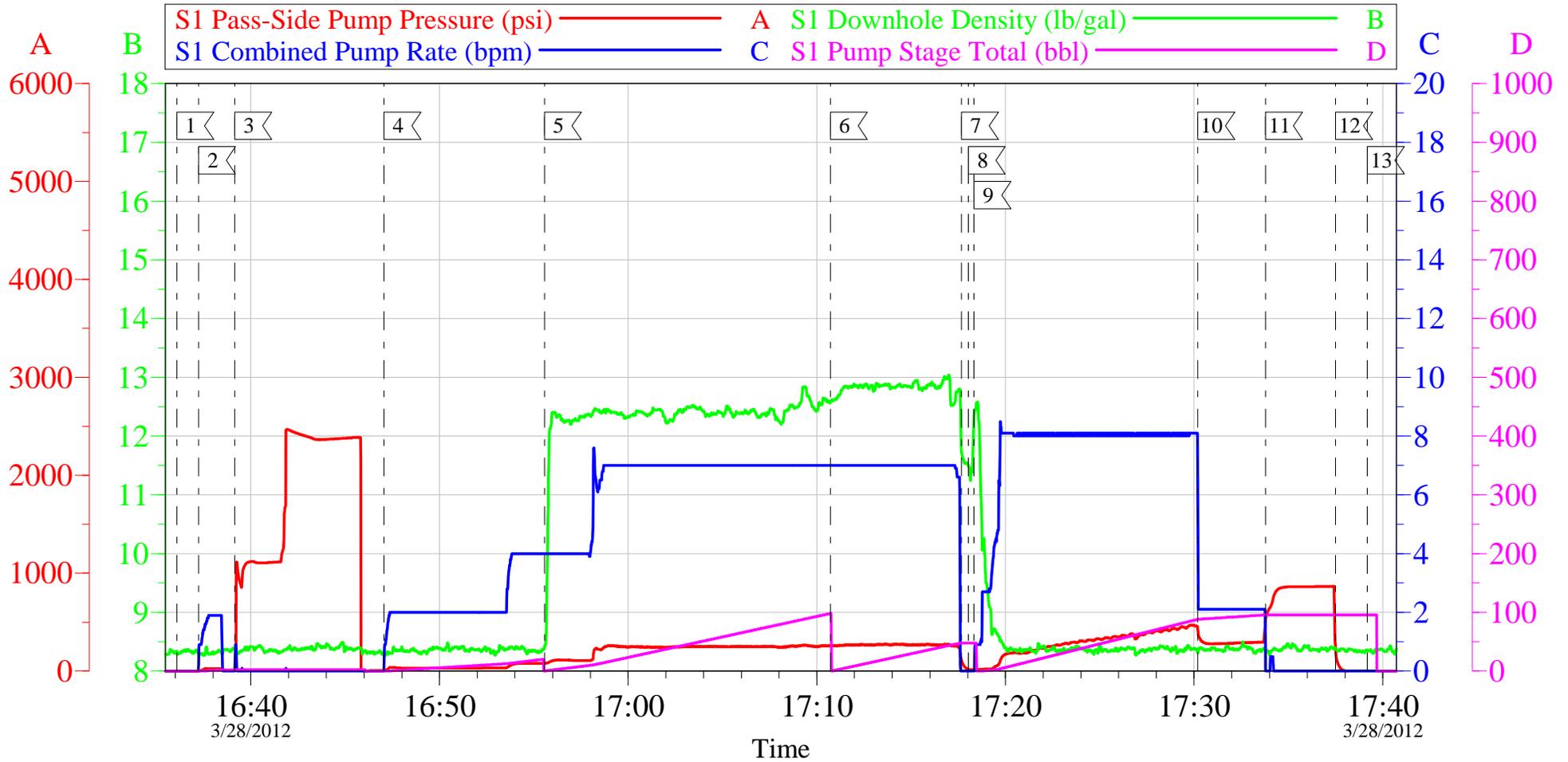
Quote # :

Sales Order # : 9335445

		#		Stage	Total	Tubing	Casing	
Pump Lead Cement	03/28/2012 16:55		8	98			240.0	200 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.77 gal/sk. Had trouble getting FLEX to switch blends went 14 BBL over on Lead, and 13 BBL under on Tail.
Pump Tail Cement	03/28/2012 17:10		8	47.5			270.0	160 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.75 gal/sk.
Shutdown	03/28/2012 17:17							
Drop Plug	03/28/2012 17:18							Plug left container.
Pump Displacement	03/28/2012 17:18		10	88.1			404.0	Fresh water displacement.
Slow Rate	03/28/2012 17:30		2	10			295.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	03/28/2012 17:33				98.1		850.0	Bumped plug, took 500 PSI over.
Check Floats	03/28/2012 17:37							Floats held, .5 BBL back. 30 BBL's good cement to surface.
End Job	03/28/2012 17:39							
Pre-Rig Down Safety Meeting	03/28/2012 17:45							Including entire cement crew.
Rig-Down Equipment	03/28/2012 17:50							
Rig-Down Completed	03/28/2012 18:45							
Pre-Convoy Safety Meeting	03/28/2012 18:50							Including entire cement crew.
Crew Leave Location	03/28/2012 19:00							Crew leave location for Service Center or another location.
Other	03/28/2012 19:00							Thank You for using Halliburton. Ed Arnold and Crew.

WPX - KP 324-8

9 5/8" SURFACE

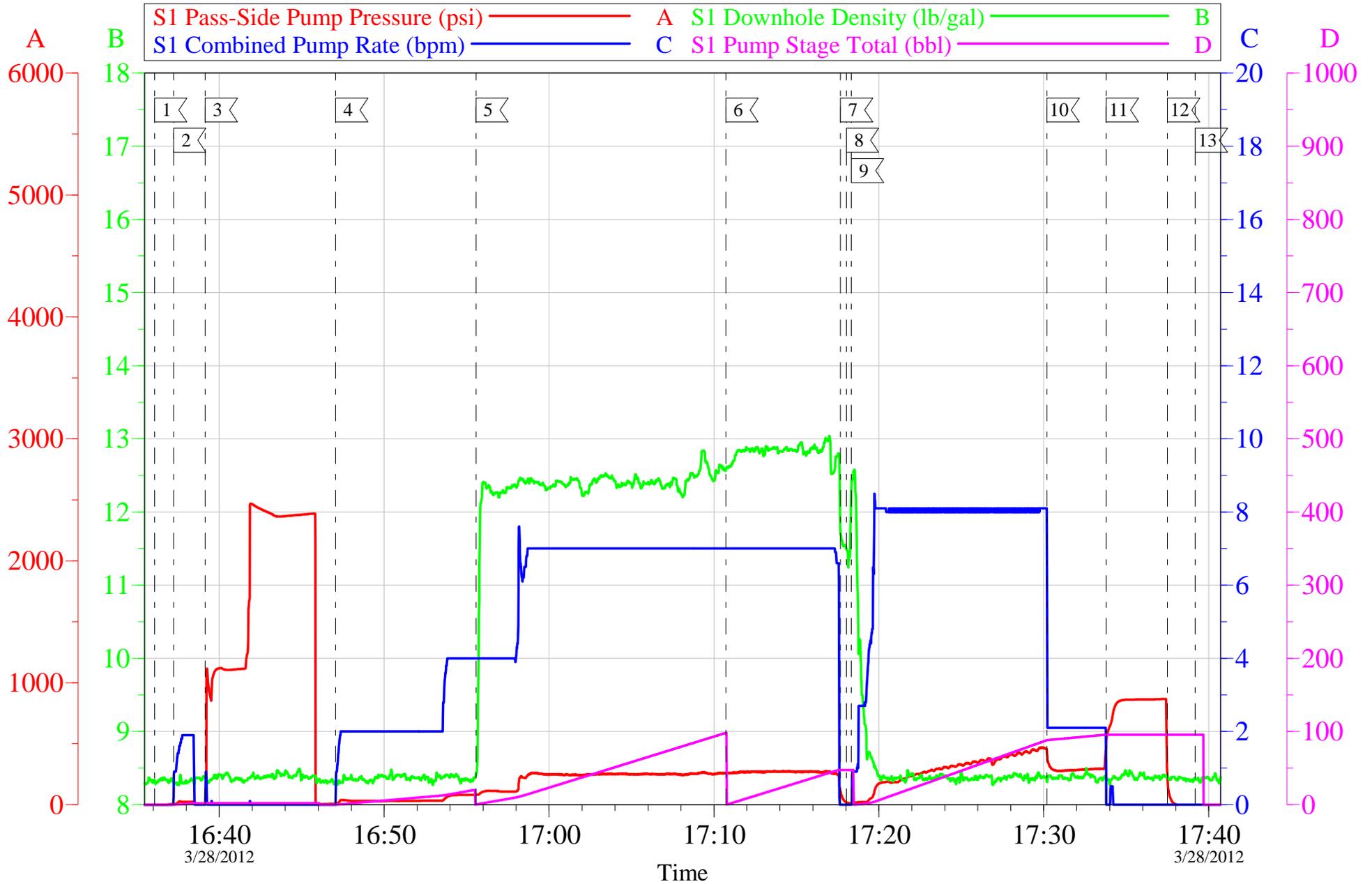


Local Event Log								
1	START JOB	16:36:05	2	FILL LINES	16:37:14	3	TEST LINES	16:39:09
4	H2O SPACER	16:47:04	5	LEAD CEMENT	16:55:34	6	TAIL CEMENT	17:10:43
7	SHUT DOWN	17:17:41	8	DROP PLUG	17:18:02	9	H2O DISPLACEMENT	17:18:20
10	SLOW RATE	17:30:12	11	BUMP PLUG	17:33:47	12	CHECK FLOATS	17:37:30
13	END JOB	17:39:11						

Customer: WPX	Job Date: 28-Mar-2012	Sales Order #: 9335445
Well Description: KP 324-8	Job Type: SURFACE	ADC Used: YES
Company Rep: GARY V.	Cement Supervisor: ED ARNOLD	Elite #4: ANDREW BRENNECKE

WPX - KP 324-8

9 5/8" SURFACE



Customer: WPX	Job Date: 28-Mar-2012	Sales Order #: 9335445
Well Description: KP 324-8	Job Type: SURFACE	ADC Used: YES
Company Rep: GARY V.	Cement Supervisor: ED ARNOLD	Elite #4: ANDREW BRENNECKE

OptiCem v6.4.10
28-Mar-12 18:00

HALLIBURTON

Water Analysis Report

Company:	<u>WPX</u>	Date:	<u>3/28/2012</u>
Submitted by:	<u>ED ARNOLD</u>	Date Rec.:	<u>3/28/2012</u>
Attention:	<u>J.TROUT</u>	S.O.#	<u>9335445</u>
Lease	<u>KP</u>	Job Type:	<u>SURFACE</u>
Well #	<u>324-8</u>		

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	50 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	58 Deg
Total Dissolved Solids		190 Mg / L

Respectfully: ED ARNOLD

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE: This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its use

Sales Order #: 9335445	Line Item: 10	Survey Conducted Date: 3/29/2012
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20992
Well Name: KP		Well Number: 324-8
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: 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	3/29/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
Customer Participation	Did the customer participate 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

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Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	3/29/2012
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1.5
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	5
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20992
Well Name: KP		Well Number: 324-8
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	90
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
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	95
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
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