
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**PA 13-6
GRAND VALLEY
Garfield County , Colorado**

Squeeze Perfs
20-Jan-2012

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2481142		Quote #:		Sales Order #: 9215194	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Dunnick, Brian			
Well Name: PA			Well #: 13-6		API/UWI #: 05-045-11968		
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.464 deg. OR N 39 deg. 27 min. 50.558 secs.				Long: W 108.051 deg. OR W -109 deg. 56 min. 58.07 secs.			
Contractor: WORKOVER			Rig/Platform Name/Num: WORKOVER				
Job Purpose: Squeeze Perfs							
Well Type: Development Well				Job Type: Squeeze Perfs			
Sales Person: MAYO, MARK				Srv Supervisor: SMITH, DUSTIN		MBU ID Emp #: 418015	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRENNECKE, ANDREW Bailey	6.5	486345	KUKUS, CRAIG A	6.5	369124	MILLER II, MATTHEW Reginald	6.5	425164
SMITH, DUSTIN Michael	6.5	418015						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248057	60 mile	10872429	60 mile	11259883	60 mile	11360883	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
01/20/12	6.5	3						

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	20 - Jan - 2012	06:00	MST
Form Type	BHST		Job Started	20 - Jan - 2012	08:50	MST
Job depth MD	5023. ft	Job Depth TVD	5023. ft	Job Completed	20 - Jan - 2012	10:45
Water Depth		Wk Ht Above Floor	5. ft	Departed Loc	20 - Jan - 2012	12:30
Perforation Depth (MD)	From 5007	To	5023			

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
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Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer				4912	Top Plug			
Float Shoe					Bridge Plug				5090	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	

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom	

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	Injection Test		15.00	bbl	8.33	.0	.0	2.0	
2	SqueezeCem Tail Cement	SQUEEZECEM (TM) SYSTEM (452971)	100.0	sacks	17.	.99	3.76	1.0	3.76
3.76 Gal		FRESH WATER							
3	Displacement		18.25	bbl	8.33	.0	.0	1.0	
Calculated Values		Pressures		Volumes					
Displacement	19	Shut In: Instant	112	Lost Returns	0	Cement Slurry	17.6	Pad	
Top Of Cement		5 Min		Cement Returns	2	Actual Displacement	18.25	Treatment	
Frac Gradient		15 Min		Spacers	15	Load and Breakdown		Total Job	50.9
Rates									
Circulating		Mixing	1	Displacement	1	Avg. Job		1	
Cement Left In Pipe	Amount	Reason							
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: Squeeze Perfs			Ticket Amount:
Well Type: Development Well		Job Type: Squeeze Perfs	
Sales Person: MAYO, MARK		Srv Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/20/2012 02:30							ELITE # 7
Depart Yard Safety Meeting	01/20/2012 04:30							ALL HES EMPLOYEES
Arrive At Loc	01/20/2012 06:00							ARRIVED ON LOCATION 1 1/2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME WAITED FOR RIG CREW TO ARRIVE
Assessment Of Location Safety Meeting	01/20/2012 06:30							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	01/20/2012 07:20							ALL HES EMPLOYEES
Rig-Up Equipment	01/20/2012 07:30							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 BODY LOAD BULK TRUCK
Pre-Job Safety Meeting	01/20/2012 08:30							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	01/20/2012 08:50							
Start Job	01/20/2012 08:50							PACKER SET @ 4912 TOP PERF @ 5007 BOTTOM PERF @ 5023 BRIDGE PLUG SET @ 5090 2 3/8 4.7# TUBING 4 1/2 11.6 # CSG
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Test Lines	01/20/2012 08:53					5069. 0		FIRST PRESSURE TEST NOT HOLDING FOUND 2 INCH ON WELL HEAD NOT HOLDING REPLACED 2 INCH PRESSURE TEST OK
Injection Test	01/20/2012 09:04		2	15	15		796.0	FRESH WATER RIG HELD 1000 PSI ON BACKSIDE THROUGHOUT JOB
ISIP	01/20/2012 09:12							SHUT DOWN TO ESTABLISH ISIP
Pump Tail Cement	01/20/2012 09:19		1	17.6	17.6		3.0	100 SKS 17.0 PPG 0.99 YIELD 3.77 GAL/SK CEMENT WEIGHT VERIFIED VIA MUD SCALES
Pump Displacement	01/20/2012 09:43		1	14.5	14.5		6.0	SHUTDOWN AS PER COMPANY REP WAITED 8 MIN AND PUMPED AGAIN
Shutdown	01/20/2012 09:51			14.5	14.5		6.0	SHUTDOWN
Pump Displacement	01/20/2012 09:53		1	2.5	2.5		703.0	PUMPED 2.5 BBLS AND SHUTDOWN
Shutdown	01/20/2012 09:59			2.5	2.5			WAITED 23 MINUTES AS PER COMPANY REP AND PUMPED AGAIN
Pump Displacement	01/20/2012 10:22		0.5	1	1		1580. 0	PUMPED 1 BBL PRESSURED UP TO 1580 SHUTDOWN AS PER COMPANY REP WAITED 10 MINUTES AND PUMPED AGAIN
Shutdown	01/20/2012 10:24							
Pump Displacement	01/20/2012 10:34		0.5	0.25	0.25		4180. 0	PUMPED .25 BBLS AND PRESSURED UP TO 4180 HELD PRESSURE FOR 4 MIN AND RELEASED PRESSURE
Stage Cement	01/20/2012 10:38		0.5	0.25			4117. 0	RELEASED PRESSURE AND PRESSURED BACK UP ON WELL PRESSURED UP TO 4117 RELEASED PRESSURE BACK TO 1650 AND RIG PULLED OUT OF RETAINER

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Reverse Circ Well	01/20/2012 10:43		8	56				RIG STING OUT OF PACKER AND REVERSE CIRCULATE WELL REVERSED 2 BBLS CEMENT TO TANK
Other	01/20/2012 10:51							RIG POOH WITH TUBING
End Job	01/20/2012 10:51							
Pre-Rig Down Safety Meeting	01/20/2012 11:00							ALL HES EMPLOYEES
Rig-Down Equipment	01/20/2012 11:10							
Pre-Convoy Safety Meeting	01/20/2012 12:20							ALL HES EMPLOYEES
Crew Leave Location	01/20/2012 12:30							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW