



Energy services, L.P.

TREATMENT REPORT

Operator Billbert-Stewart Operating	Lease No.	Date 2-18-14	
Case RLS	Well # 6		
Field Order # 4869	Station Pratt, Kansas	Casing 5 1/2" 17lb	Depth 3823 Feet
Type Job C.N.W.-Longstring		County Stafford	State Kansas
		Formation	Legal Description 34-215-13W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2" 17lb/ft		125	sacts	50/50 Poz with	48 Total	Gel, 28	Calcium Chloride,	
Depth 3823 Feet	Depth	From	To	Pre Pad 3/8 Friction Reducer	Max	58	Defoamer, 68 Gypsum,	
Volume 88.7 Bbl	Volume	From	To	Pad 5 Lb./1st	Min		10 Min.	
Max Press 1500 P.S.I.	Max Press	From	To	Frac 6.34 Gal./st	Avg	49	CU.FT./1st	
Well Connection Plug Container	Annulus Vol.	From	To	Poz to Plug Rat (30 sacts) and Mouse (20 sacts) holes	HHP Used		Annulus Pressure	
Plug Depth 3804 Feet	Packer Depth	From	To	Flush 88.3 Bbl. 2	Gas Volume		Total Load	

Customer Representative Kelly Branum	Station Manager Kevin Gordley	Treater Clarence R. Messick							
Service Units 37,216	27,463	19,826	19,860						
Driver Names Messick	McGraw	Hanson							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30					Truck on location and hold safety meeting.
8:00					Southwind Drilling start to run Auto Fill Guide Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 90 Joints new 17 Lb./Ft 5 1/2" casing. A Turbolizer was installed on Collar # 1, 3, 5, 7, 9, 11, 13, and # 15. A Buster was installed above Collar # 16.
9:35					Casing in well. Circulate for 1 Hour.
9:45		2000			Shut in well. Pressure Test. Open well.
9:48	300			6	Start Fresh Water Pre Flush.
			19	6	Start mud Flush.
			27	6	Start Fresh Water Spacer.
			42	5	Start mixing 50 sacts 60/40 Poz scavenger cement.
	300		60	5	Start mixing 125 sacts 50/50 Poz Blend cement.
	-0-		9.3		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open well.
11:14	150			6	Start 28 HCL Displacement
			65	4	Start to lift cement.
11:32	600		88.3		Plug down.
					Pressure up.
					Release pressure. Float Shoe held.
			7-9	3	Plug Rat and mouse holes.
					Wash up pump truck.
12:15					Job Complete