


Mid-Continent Conductor, LLC

P.O. Box 1570, Woodward, OK 73802
Ph. 580-254-5400 Fax 580-254-3242

CEMENTING REPORT

Operator: Unit Corporation
Well Name: Hornbaker 5-1H
Legal Description: Reno Cnty, KS

Cement Casing Data	
Cementing Date	3/6/14
Size of Drill Bit (Inches)	28
Size of Casing (Inches O.D.)	16
Setting Depth of Casing (ft.) from ground level	160
Type of Cement	Common Cement
Sacks of Cement Used	144
Was cement circulated?	Yes
Job witnessed by: Spencer Brownlee	



Jeff M. Owen

Mid-Continent Conductor, LLC



energy services, L.P.

TREATMENT REPORT

Customer UNIT Petroleum		Lease No.		Date 6-28-14
Lease Horn Baker		Well # 5-1 H		
Field Order # 10762	Station Pratt	Casing 4 1/2	Depth 8206	County RENO State KS
Type Job cnw Liner			Formation	Legal Description 5-25-10

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
4 1/2	5 1/2			Pre Pad	Max		5 Min.
Depth 8165	Depth	From	To	Pad	Min		10 Min.
Volume 158	Volume	From	To	Frac	Avg		15 Min.
Max Press	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth 8165	Packer Depth	From	To				

Customer Representative				Station Manager				Treater			
Service Units	19559	19543	19959	73769		28443					
Driver Names	ED			COLL		JOE					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1400					onloc/safety meeting
					Run 99 JTS of 4 1/2 csg 116# PIPE
					Run 100 JTS of 5 1/2 csg 17# PIPE
1940	10		5	6	H2O Spacer
			12	6	MLD Flush
	200		5	6	H2O Spacer
	600		108	6	Mix 400 sks of 50/50 POZ @ 135#
			2	6	Pump 2 BBL'S of sugar H2O
			0	0	Shut Down DROP PLUG
			0	0	Start H2O DISP with sugar and KCL
			55	5.6	LIST PST
	1400		148	4.3	slow RATE
2030	3200		158	0	PLUG DOWN
					JOB complete
					Thankyou
					JCL



Energy services, L.P.

TREATMENT REPORT

Lease No. UNIT	Date 04-07-14
Well # HORNBAKER	Station PRATT KS
Casing 9 5/8	Depth 1495'
County RENO	State KS
Order # 10372	Legal Description 3-25-10
Type Job GNW Surface	Formation

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
9 5/8								
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
1495'								
Volume	Volume	From	To	Pad	Min		10 Min.	
115 1/2								
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
1,000								
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
P.C.								
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
1494'								

Customer Representative	Station Manager DAVE SCOT	Treater Robert Hill					
Service Units	32900	33708	30920	20959	19918	19826	19860
Driver Names	Sullivan	GRAVES	Phye	HANSON			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30					on loc soft muddy
					cap on bottom
					1 1/2" circ cip
8:10			3	4	ST SPACER
				5.5	mix 325 wk A-con Blend 3% cc 1 1/4 cf
			141		2.47 yield 14.49 msk @ 12 pp
	300		60		mix 280 Tard com cont 2% cc 1 1/4 cf
					1.20 yield 5.23 msk (P 15.5 pp)
					cont mix shut down
					Release Plug
				5	St Dup
2:30	850		115	4	plug down 56 BBL cont to pit
					Release Ps: Heat held
					SAB complete
					Thank you
					Robert



Energy services, L.P.

TREATMENT REPORT

Lease No.		Date	
Well # 5-1H		04-15-14	
Station P.O.A-H KS	Casing 7"	Depth 4385	County Reno State KS
Order # 379	Formation	Legal Description 5-25-10	
Type Job ENW	7" lined		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
7" 126				Pre Pad	Max		5 Min.	
4385	Depth	From	To	Pad	Min		10 Min.	
172 1/2	Volume	From	To	Frac	Avg		15 Min.	
3000	Max Press	From	To		HHP Used		Annulus Pressure	
P.C.	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
	Plug Depth	From	To					

Customer Representative	Station Manager DAVE Sexton	Treater Robert Johnson
Service Units 37900 78982 28983 19959	18768	
Driver Names Sullivan R. Noth Eggie		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:20					on loc safety meeting
					Run 7" esp.
5:00					CASING on bottom
5:05					Had 14' circ esp
5:50	350		12	4.5	At mud flush
			3		At spacer
				6.5	mix out 160 sk AA-2 out
			42		cmf mixed shot down
					Release Plug
				6.5	At Deep
	400				Left Psi
6:30	1150		172 1/2	3	Plug down Float held
					SOB complete
					Thank you
					Robert