



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer	Merit Energy	Lease No		Date	5-17-13
Lease	H1 Watkins	Well #	20-1	Service Receipt	1717-05561A
Casing	5 1/2 17#	Depth		County	Haskell
Job Type	Squeeze	Formation		State	KS
				Legal Description	20/30/32

Pipe Data		Perforating Data		Cement Data	
Casing size	Tubing Size 2 7/8	Shots/Ft		Lead 240 SK 50/50 @ 13.5	
Depth	Depth 5050	From	To		
Volume	Volume 29.23	From	To	1.58	7.91
Max Press	Max Press 2500	From	To	Tail in	
Well Connection	Annulus Vol.	From	To		
Plug Depth	Packer Depth 5050	From	To		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30					Callout
13:10					On location running tubing in hole
13:30	1000		112BB	3.25	big up lowhide truck + pump for injection
14:10					lowhide shutdown + rig down
14:30					spot in / rig up
15:04					set by unit
15:11					pressure test 2800psi
15:13	500		1 1/4	1.6	loady back side
15:15	400		9	3.0	load job Est. rate
15:19	50			1.0	cut rate + started mixing
15:24					pull samples + check weight, 13.5 good
15:34	50			2.9	
15:42	50		67BBs	3.0	
15:50	50			3.0	Start Displacement Washup down hole.
15:56	50		10	2.9	
15:59	300		15	2.9	Caught lift pressure
16:01	200			2.3	Slow Rate
16:03	320			2.3	
	160		25	1	Slow Rate
16:05	200		25 1/2	1	
16:06	300		26	1	
16:07	380		27	1	
16:08	400		28	1	shut down ISIP 200

Service Units	86573	33021/434	38117/19919		
Driver Names	Tommy M	Hector R	Ed M		

Wes Williamson Customer Representative
 Lyce Davis Station Manager
 Tommy Warrick Cementer



JOB LOG CONT

TICKET# 1717-05561A

TICKET DATE 5/7/15

Chart No.	Time	Rate (BPM)	Volume (BBL) (GAL)	Rate		Press. (PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	16:09							String out
	16:11							Knock loose pull 1370 Sub
	16:16							Hook up + Lev Out
	16:20	2.0	12	12	200			
	16:21	2.9	2 1/2		400			
	16:24	2.9	10		400			
	16:28	2.9	20		400			
	16:32		28					Flagged Cement
	16:33		31					Cleaned up
	16:38		45					Shot down
								<hr/> Job Complete.
								Merit Energy
								Al Watkins 20-1
								Squeeze
								<hr/> Tommy Marcellus