



Cement Report

Customer	FALCON Exploration	Lease No.	James Koehn	Date	12-15-14
Lease	James Koehn	Well #	5-31	Service Receipt	1717-05224A
Casing	8 5/8"	Depth	1861'	County	GRAY
Job Type	8 5/8" Surface	Formation		State	KS
				Legal Description	31-28-30

Pipe Data		Perforating Data		Cement Data
Casing size	8 5/8" 24#	Tubing Size		Lead 4/60 sks 12.45ppg 1" Alcon Blend 3% CaCl ₂ 1/4" Polyflake 2% WCA-1
Depth	1861'	Depth	From To	
Volume	81.1 BBLs	Volume	From To	Tail in 150 sks 12.3ppg Premium Plus Cement 2% CaCl ₂ 1/4" Polyflake
Max Press		Max Press	From To	
Well Connection		Annulus Vol.	From To	
Plug Depth	1818'	Packer Depth	From To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0900					Called Out
1200					On Location Safety Meeting Set up
					On Bottom - Circulate Makeup handle manifold - Drop Bull
842			20	5	Pump 20 BBLs of polymer LCM Mud Flush
847	100		180.2	5	Mix and Pump Lead cement 12.45ppg 136.6 BBLs Water Requirement (180.2 BBLs slurry)
920	100		58.5	5	Mix and Pump Tail cement 12.3ppg 45 BBLs Mix Water (58.5 BBLs slurry)
940	100		115.6	5	Finished mixing cement ^{last 20 BBLs} Drop Plug - Start Displacement Pump 5 BBLs water
1020					Land Plug ^{last 20 BBLs shut down} 5 BBLs - 5 mins
1027					Released
1030					Float Held Monitor Fall back 3-4 Hrs

Service Units	89315	70897-19570	Luis	Gilbert	
Driver Names	Roger	Sam	30463-19586	14354-19578	

Leon Kuhns
Tyce Davis
Roger Brown



Cement Report

Customer Falcon Exploration	Lease No.	Date 12/22/14
Lease James Koehn	Well # 5-31	Service Receipt
Casing 5 1/2	Depth 5050	County Gray State KS
Job Type LS,	Formation	Legal Description

Pipe Data		Perforating Data		Cement Data
Casing size 5 1/2	Tubing Size	Shots/Ft		Lead 505K A-Cor
Depth 5051	Depth	From	To	@ 11.4#
Volume 129.24	Volume	From	To	2.95 18.10
Max Press 3500	Max Press	From	To	Tail in 1555K AA-2
Well Connection P.C.	Annulus Vol.	From	To	@ 14.8#
Plug Depth	Packer Depth	From	To	1.51 6.64

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
01:30					on loc, surface, R.U.
06:58	3000				Test Lines
07:02	320		12	5	Pump superflush
07:04	320		5	4	H ₂ O spacer
07:06					Plug Rtm
07:18	150		0	4	Start mixing @ 11.4#
07:26	250		26	6	on Tail @ 14.8#
07:37	0		42	0	Finished mixing, Washup, Drop Plug
07:44	210		0	7	Start Drop
08:05	960		119	2.8	Slow Rate
08:09	960-1560		129	0	Plug Down
08:11	0				Release Psi, Float held
					Job Complete

Service Units	769391	3722337726	1962737725		
Driver Names	C. Alvarez	G. Echevarria	H. Rufage		

Leon Kuhn Customer Representative
 Tyler Davis Station Manager
 Chad H... Cementer