

TREATMENT REPORT

Customer EXCELL SERVICES		Lease No.		Date	
Lease FRANSON 42-33 4N47W		Well #		10-11-2014	
Field Order # 18371	Station API-05-125-12121	Casing 7"	Depth 411'	County Yuma	State CO
Type Job CNW-7" SURFACE			Formation NIDBRARA	Legal Description 23-4N-47W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 1 1/2" #	Tubing Size	Shots/Ft	CMT -	194 SKS 50/50 POZ W/ 2% GEL	PAVE PRESS	ISIP	
Depth 406'	Depth	From	To	Pre Pad @ 1.07 CUFT	Max	5 Min.	
Volume	Volume	From	To	Pad	Min	10 Min.	
Max Press 500	Max Press	From	To	Frac	Avg	15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used	Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush 14.5 BBL'S + 1/200	Gravel Volume	Total Load	

Customer Representative	MARK ZION	Station Manager	J. CROCKOW	Treater	A. HOWELL
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
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8:30pm				ON LOCATION - SAFETY MEETING
1				TD - 411'
2				MEASURES - 406'
3				PBTD - 3166'
9:10pm		39	4	MIX CMT @ 14.8 PPG = 194 SK 50/50
9:20pm				SHOT DOWN - DROP PLUG
9:25pm		0	4	START DISPLACEMENT
9:28pm		10	2	SLOW RATE
9:30pm		14.5	2	PLUG @ DESIRED DEPTH
				CLOSE IN MANIFOLD
				CIRC. THRU JOB
				CIRC. 12 BBL TO PIT

JOB COMPLETE,
THANKS -
A HOWELL

Customer EXCELL SERVICES		Lease No.		Date	
Lease FRANSON 42-33 4N47W		Well #		10-14-2014	
Field Order #	Station	Casing	Depth	County	State
18373	API-05-125-12121	4 1/2"	2975'	YUMA	CO
Type Job		Formation		Legal Description	
CNW - 4 1/2" L.S.		N10BRARA		23-4N-47W	

PIPE DATA		PERFORMING DATA		FLUID USED	TREATMENT RESUME	
Casing Size 4 1/2 x 10.5	tubing Size	Shots/Ft	CMT-	150SK 50/50 POZ w/ 12% GEL, 3% CC, 1/4" CF	Rate	Press
Depth 2961.8'	Depth	From	To	@ 2.23 CUFT ³	Max	5 Min.
Volume	Volume	From	To	CMT- 75SKS 50/50 POZ w/ 1% FLWCA, 2% CC, 1/4" CF	Min	15 Min.
Max Press 1500	Max Press	From	To	Frac @ 1.37 CUFT ³	Avg	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used	Annulus Pressure
Plug Depth 3473'	Packer Depth	From	To	Flush 49 BBL'S OF 2% GEL - H ₂ O	Gas Volume	Total Load

Customer Representative	MARK ZION	Station Manager	J. CUCKOW	Treater	A. HOWELL
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00 AM					ON LOCATION - SAFETY MEETING
					TD - 2975'
					SET@ - 2967.77'
					MEASURES - 2961.8'
					PBTD - 2922.72'
5:20 AM	150		10	5	COLORLED H ₂ O
5:22 AM	150		40	5	H ₂ O W/2% KCL
5:30 AM	100		59.5	5	MIX LEAD @ 12 PPG = 150 SKS 50/50 POZ
5:42 AM	100		18	5	MIX TAIL @ 13.8 PPG = 75 SKS 50/50 POZ
5:45 AM					CLEAR PUMP LINE / DROP L.D. PLUG
5:47 AM	0		0	5	START DISPLACEMENT W/2% KCL H ₂ O
5:52 AM	150		20	4	LIFT PRESSURE
5:57 AM	1650		40	3	SLOW RATE
6:00 AM	1500		49	2	PLUG DOWN - HELD 5 MIN.
					CIRC. THRU JOB
					CIRC. 20 BBL'S CMT. TO PIT
					JOB COMPLETE,
					THANKS -
					A. HOWELL