



TREATMENT REPORT

Customer EXCELL SERVICES		Lease No.		Date	
Lease McCONNELL 21-23 4N 47W		Well #		10-7-2014	
Field Order #	Station	Casing "	Depth	County	State
1764-1836B	API-05-125-12120	7	494'	GUMA	CO
Type Job		Formation		Legal Description	
CNW - 7" SURFACE		NIDBRARA		23-4N-47W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME	
Casing Size 7 1/2"	Tubing Size 5"	Shots/Ft 1		Acid 50/50 POZ W/ 2% GEL, 3% GEL	RATE OF BEPS	ISIP
Depth 454'	Depth	From	To	Pre Pad @ 1.07 CMT	Max	5 Min.
Volume	Volume	From	To	Pad	Min	10 Min.
Max Press 300	Max Press	From	To	Frac	Avg	15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used	Annulus Pressure
Plug Depth 474'	Packer Depth	From	To	Flush 18.5 BBL	Gas Volume 270 BBL - H2O	Total Load

Customer Representative	MARK ZIDNI	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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11:00PM				ON LOCATION - RIG UP IRON!
11:31PM	100	33	4	MIX CMT. @ 14.8PPG = 164 SK 50/50 BZ
11:47PM				SHUT DOWN - DROP PLUG
11:48PM	0	0	3	START DISPLACEMENT
12:01AM	185	14	2	SLOW RATE
12:04AM	150	18.5	2	PLUG @ DESIRED DEPTH
				CLOSE IN MANIFOLD
				CIRC. THRU JOB
				CIRC. 19 IBBL TO PIT
				JOB COMPLETE,
				THANKS -
				ADAM H.

Customer EXCEL SERVICES	Lease No.	Date 10-10-2014
Lease McCONNELL 21-23 4N47W	Well # TD	
Field Order # 18051	Station API-05-125-12120	Casing 4.5"
Type Job CNW-4 1/2" L.S.	Formation NIDBRARA	Legal Description 23-4N-47W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 4 1/2" x 10.5	Tubing Size 4 1/2"	Shots/Ft	CMT -	Add 125 SKS 50/50 P02	W/12% GEL, 2% CC	ISIP	
Depth 2901'	Depth	From	To	Pre Pad @ 2.28 CUFT	Max		5 Min.
Volume	Volume	From	To	Pad 15 SKS 50/50 P02	Min		10 Min.
Max Press 1500	Max Press	From	To	Frac @ 1.35 CUFT	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 2901'	Packer Depth	From	To	Flush 46.5 BBL'S	Gas Volume 2% GEL - H2O		Total Load

Customer Representative MARK ZION	Station Manager J. CUCKOW	Treater A. HOWELL
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Service Units									
Driver Names									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
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7:00AM					ON LOCATION - SAFETY MEETING
					WORK ON PUMP TRUCK
					TD - 2943'
					MEASURES - 2,895.27'
					PBTD - 2,857.67'
5:00PM	300		49	4	MIX CMT @ 12 PPG = 125 SKS - 50/50 P02
5:11PM	200		18	4	MIX CMT @ 13.8 PPG = 75 SKS - 50/50 P02
5:15PM					CLEAR PUMP & LINE / DROP PLUG
5:18PM	0		0	4	START DISPLACEMENT
5:21PM	100		15	4	LIFT PRESSURE
5:27PM	500		40	2	SLOW RATE
5:30PM	1,000		46.5	2	PLUG DOWN - HELD 5 MIN
					RELEASE PSI -
					CIRC. THRO JOB
					CIRC. 6 BBL'S TO PIT

JOB COMPLETE,
THANKS -
A. HOWELL