

Customer Rama Operating Co., Inc.	Lease No. TNC	Date 2-13-14
Lease Beran	Well # 1-10	
Field Order # 9866	Station Pratt, Kansas	Casing 8 7/8 23
Type Job C.N.W. - Surface	Depth 735 Ft.	County Russell
	Formation	State Kansas
		Legal Description 10-155-12W

PIPE DATA		PERFORATING DATA		MATERIAL USED		TREATMENT RESUME	
Casing Size 8 7/8 23 Lb./Ft.	Tubing Size 2 3/8 11.3 Lb./Ft.	Shots/Ft 170	Acid sucts A-con with 38 Calcium Chloride, 25 Lb./ST. cell flake	Rate Max. 2.4 CU.FT./ST.	Press 7 CU.FT./ST.	ISIP 5 Min.	
Depth 735 Feet	Depth	From	To 12 Lb./Gal, 14.49 Gal.	Min Total Gel, 29 Calcium Chloride, 25 Lb./ST. Cell		10 Min.	
Volume 47 Bbl.	Volume	From 150 sucts 60/40 Poz with 29	Gal, 5.18 Gal.	Avg 1.2 CU.FT./ST.		15 Min.	
Max Press 400 PSI	Max Press	From	To 14.81 Gal, 5.18 Gal.	HHP Used		Annulus Pressure	
Well Connection Plug Container	Annulus Vol.	From	To	Gas Volume		Total Load	
Plug Depth 720 Feet	Packer Depth	From	To	Flush 46 Bbl. Fresh Water			

Customer Representative Alan	Station Manager Kevin Gordley	Treater Clarence R. Messick
Service Units 37,216	77,686	19,909
Driver Names Messick	McGraw	Eggers
19,826	19,860	

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00					Cement on location.
2:10					Sterling Drilling start to run 17 Joints Limited Service 23 Lb./Ft. 8 7/8" casing.
3:05					Casing in well. Circulate for 10 minutes
2:00					Trucks on location and hold safety meeting.
3:15	300			5	Start Fresh water Pre-Flush.
	300		10	5	Start mixing 170 sucts A-con Blend cement.
	300		84	5	Start mixing 150 sucts 60/40 Poz Blend cement.
	0		116		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
3:39	150		46	5	Start Fresh water Displacement.
3:50	400		46		Plug down. Circulated 30 Bbl. cement to the shut in well. pit.
					Washup pump truck.
4:15					Job Complete. Thank You. Clarence, Milte, Pat