





JUN - 9 2008

## TREATMENT REPORT

Customer: Diversified Operating, Corporation		Lease No.:		Date: 6-2-08	
Lease: Hardin		Well #: 9A-3-5			
Field Order #: 8,825	Station: Pratt	Casing: 10.5 LB.	Depth: 5,302	County: Clark	State: KS
Type Job: C.N.W. - Longstring			Formation:	Legal Description: 4-325-21W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 10.5 LB.	Tubing Size:	Shots/Ft: 150	Sacks: 50	Rate: 50	Pressure: 50	Rate: 1.68	Pressure: 1,100	ISP: Salt
Depth: 5,302 Feet	Depth:	From: .75	To: Friction	Rate Reducer: 5	Max. Lb./Sk.:	Gilsonite 5 Min.		
Volume: 84.3 Bbl.	Volume:	From: 14.3	To: 16.6	Gal./Sk.: 5.48	Min. CU.FT./SK:	1.32 10 Min.		
Max Press: 1,500 PS.	Max Press:	From:	To:	Avg:	15 Min.			
Well Connection: Plug Container	Annulus Vol:	From: 25	To: 60	40 Poz to plug	High Used:	Rat Hole Annulus Pressure		
Plug Depth: 2,289 Feet	Packer Depth:	From:	To:	Flush: 84.1 Bbl.	Gas Volume:	Fresh Water Total Load		

Customer Representative: Tim Thompson	Station Manager: David Scott	Treater: Clarence	
Service Units: 19,870	19,909	19,826	19,860
Driver Names: Messick	Mattal	Johnson	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					Truck on location and hold safety meeting.
10:30					Duke Drilling start to run Auto Fill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 126 Joints new 10.5 LB/FT, 4 1/2" casing. Ran Basket on Joints # 2 and 9. Ran Turbolizer on Collars # 1, 2, 4, 6, 10 and 12.
1:45					Casing in well. Circulate for minutes.
6:28	300		20	6	Start 38 CC-1 Pre-Flush.
			32	5	Start Mud Flush.
6:36	300		35	5	Start Fresh Water Spacer
	-0-		70		Start mixing 150 sacks 50/50 Poz Cement. Stop pumping. Shut in well. Wash pump and lines. Release latch down Plug. Open Well.
6:46	200			6.5	Start Fresh Water Displacement.
6:58	100		74	5	Start to lift cement.
7:00	590		84		Plug down. Pressure up. Release pressure. Float shoe held. Plug Rat Hole. Wash up pump truck.
7:30					Job Complete. Thank You. Clarence, Mike, Kevin

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KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION  
WICHITA, KS

