

Customer Reeder Operating, LLC.	Lease No.	Date 11-15-11
Lease Robert D. Gray	Well # 1-20H	
Field Order # 5125	Station Pratt, Kansas	Casing 7" 26 Lb.
Type Job C.N.W. - Intermediate	Depth 5,722 Feet	County Comanche
	Formation	State Kansas
		Legal Description 20-325-17W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 7" 26 Lb./Ft.	Tubing Size	Shots/Ft	30 sacks	60/40 Poz	With 28 Gal. 58 Friction Reducer,	DATE	PRESS	ISIP
Depth 5,722 Feet	Depth	From	258	Defoamer	14 Lb./Gal., 6.37 Gal./stk., 1.35 cu.Ft./stk.			5 Min.
Volume 218.5 Bbl.	Volume	From	150 sacks	AA-2	with 88 Fluid Loss, 58 Friction Reducer, 258 Defoamer,			10 Min.
Max Press. 2900 P.S.I.	Max Press.	From	108	Salt, .25	Lb./stk. Cellflame			15 Min.
Well Connection Plug Container	Annulus Vol.	From		To	15 Lb./Gal., 6.52 Gal./stk., 1.43 CU.Ft./stk.	HHP Used		Annulus Pressure
Plug Depth 5,680 Feet	Packer Depth	From		To	Flush 217 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Bob Graves	Station Manager David Scott	Treater Clarence R. Messick
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Service Units	37,216	33,708	20,920	19,826	19,860			
Driver Names	Messick	Melson	McGraw					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:30					Truck on location and hold safety meeting.
					Atlas Drilling start to run Float Shoe, Shoe Joint, Float Collar, 136 Joints new 26 Lb./Ft. 7" casing.
2:50					Casing in well. Circulate for 1 Hour.
4:11	3,000				Shut in well. Pressure Test. Open Well.
4:13	400			6	Start Fresh water Pre-Flush.
			20	6	Start 500 Gallons Mud Flush
			32	6	Start Fresh water Spacer.
4:20			35	5	Start mixing 30 sacks 60/40 Poz Cement.
	400		42	5	Start mixing 150 sacks AA-2 cement.
	-0-		80		Stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
4:38	300			6.5	Start Fresh water Displacement.
			170	5	Start to lift cement.
5:11	1,100		217		Plug down.
					Pressure up.
					Release pressure.
					Float Collar held.
					Wash up pump truck.
6:00					Job Complete.
					Thank You.
					Clarence, Joe, Mike

Customer Reader Operating, LLC.	Lease No.	Date 12-3-11
Lease Robert D. Gray	Well # 1-20H T.D.	
Field Order # 4963	Station Pratt, Kansas	Casing 4 1/2 11.6Lb.
Type Job C.N.W. - Longstring	Formation 9933 Feet	County Comanche
		State Kansas
		Legal Description 20-325-17W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 4 1/2 11.6Lb.	Tubing Size 3 1/2 Drill Pipe	Shots/Ft				RATE	PRESS	ISIP
Depth	Depth	From	To			Max		5 Min.
Volume	Volume	From	To			Min		10 Min.
Max Press	Max Press	From	To			Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To			Gas Volume		Total Load

Customer Representative Bob Graves	Station Manager David Scott	Treater Clarence R. Messick
Service Units 37,216	19,903	19,905
Driver Names Messick	Mattal	McGraw
		Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00					Trucks on location and hold safety meeting.
2:15					Liner and Drill Pipe in well. Pump on well with rig pump for 1 hour (No Circulation) Hook up to Weatherford's plug container.
4:25	4000				Shut in well. Pressure Test. Open Well.
	400			5	Start Fresh water Pre-Flush.
)		50	5	Start Fresh Mud flush.
			62	5	Start Fresh water spacer.
5:00			67	5	Start mixing 50sacks 60/40 poz cement.
	400		82	5	start mixing 355sacks class "H" cement.
	0-		160		Stop pumping. Shut in well. Wash pump and lines. Release Drill Pipe plug. Open Well.
5:39	100			5	start 2% HCL Displacement.
	1200		35	5	Land Drill pipe plug on liner plug. Start liner Displacement
6:03	400		106		Plugdown. Pressure up.
	900				Pressure up.
					Release pressure. Insert held.
6:10	1500, 250				Pressure up and Burst Disk. Pump 10 Bbl. Fresh water. Pull Drill pipe up out of liner. Hook up well to rig pump to circulate well clean. Wash up pump truck.