

Customer Caerus Oper, LLC.	Lease No.	Date 4-26-12
Lease Mortimer	Well # 31-32	
Field Order # 6118	Station Pratt, Kansas	Casing" 5 1/2
Type Job C.N.W. - Longstring	Depth 3,604	County Barton
	Formation	State Kansas
		Legal Description 31-175-13W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 5 LB/FT	Shots/Ft	150 sacks	Acid 60/40 Poz with	Rate 152	Pressure Friction	ISIP Reducer	
Depth 3,604 Feet	Depth	From	To 1585	Rate 5 LB/sk. G	Max 11	Pressure Sonite	ISIP 5 Min.	
Volume 82.3 Bbl.	Volume	From	To 15.28	Rate 1 lb/Gal.	Min 4.30	Pressure 2al/sk.	ISIP 10 Min.	
Max Press 1500 PSI	Max Press	From	To	Rate	Avg	Pressure	ISIP 15 Min.	
Well Connection Plug Container	Annulus Vol.	From	To 50 sacks	Acid 60/40 Poz to plug Rat	HHP Used 0 sacks	Pressure and Mouse (2)	ISIP Annulus Pressure	Notes 0 sacks) Holes
Plug Depth 3583 Feet	Packer Depth	From	To	Flush 82.3 Bbl. Fresh Water	Gas Volume	Pressure	ISIP Total Load	

Customer Representative Brian Karlin	Station Manager David Scott	Treater Clarence R. Messick
Service Units 37,216	19,903	19,905
Driver Names Messick	Mattal	Lawrence

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					Cement and Float Equipment on location.
9:00					Trucks on location and hold safety meeting.
10:20					Minnescah Drilling start to run Auto Fill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 89 Joints new & used. Tested 15.5 LB/FT 5 1/2 casing. A Basket was installed on top of collar #1. Turbolizers were installed on Collars # 3, 5, 7, 9, 11 and # 13.
12:40					Casing in well. Circulate and Rotate for 1 hour.
1:45		2,500			Shut in well. Pressure Test. Open Well.
1:48	300			6	Start Fresh Water Pre Flush.
			20	6	Start Mud Flush.
			32	6	Start Fresh Water spacer.
1:57	300		52	5	Start mixing 150 sacks 60/40 Poz cement.
	0		83		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
2:15	100			65	Start Fresh Water Displacement.
			65	5	start to lift cement.
2:27	700		82.3		Plug down.
	1,750				Pressure up.
					Release pressure. Float Shoe held.
			7.5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
3:15					Job Complete.