

Holl Co. LLC		Lease No.	Date	
Mermis 'B'		Well # 1-31	4-25-13	
Field Order # 57727	Station Pratt KS	Casing 5 1/2'	Depth 3949	County Barton State KS
Type Job 5 1/2" Long String	Formation CNW	Legal Description 31-20-15		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft	12 BBL	Acid	Super Flush	RATE	PRESS	ISIP
Depth 3949'	Depth	From	To 255 SKS	Pre Pad	scavenger @ 14#			5 Min.
Volume 93.6 BB	Volume	From	To 125 SKS	Pad	AA2 @ 15#			10 Min.
Max Press 1500	Max Press	From	To RH	Frac	30 SKS 60/40			15 Min.
Well Connection PC.	Annulus Vol.	From	To MH		20 SKS 60/40	HHP Used		Annulus Pressure
Plug Depth 3934.44'	Packer Depth	From	To	Flush	DISP. H2O.	Gas Volume		Total Load

Customer Representative: Rob Long, Station Manager: Scotty, Treater: Allen

Service Units	28443	19903	19905	19960	21010
Driver Names	Allen	mike	matt	Tom	Mehlhorn

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:15 pm	4-25-13				Duke # 8 on Loc. Discuss Safety, Setup Plan Job Laying down Drill Collars out of Hole, Lay down Kelly + Mouse Hole Rig up To Run 5 1/2' csg. 15.5#/ft
6:10					Start csg. Shoe Jt. 14.56 w/ Auto Fill Float Shoe, L.D. Baffle in collar. cent. #1 Thru #8 - Basket #6
8:00					Trng Bottom @ 3950' Pickup To 3949 CIR + Rotate csg.
10:00	150 #		5	5	Pump 5 BBL H2O spacer
			12	5	Pump 12 BBL super flush 500gal
			5	5	Pump 5 BBL H2O spacer
			6	5	Mix 25 SKS 60/40 scavenger 14#
				5	Mix 125 SKS AA2 @ 15#
			32		Finish mixing, washout P.L.
				6 1/2	Drop L.D. Plug, Start Disp.
10:45	500 #				Caught Lift PST 62 BBL out
	1500 #		93 1/2		Plug down
	0 #		7		Release To TRK OK " 5-BBL
11:30					Plug RH w/ 30 SKS mouse hole 20 SKS washup. Job complete