services, L.P.

TREATMENT REPORT

Customer: Deutsch Oil Company	Lease No.		Date: 12-6-76
Lease: Zink	Well #: 2-4		
Field Order #: 14698	Station: Pratt	Casing: 8 5/8	Depth: 294.14
County: Pratt	State: KS		
Type Job: Z 42 Surface 8 5/8	Formation:	Legal Description: 4-26-11W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid: CMT 230 SKS Common	RATE: 25	PRESS: gel 370 cc	ISIP: .25% CF
Depth: 294.14	Depth	From	To	Pre Pad: 170 SKS	Max: Common		5 Min.
Volume: 18.7	Volume	From	To	Pad	Min		10 Min.
Max Press: 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: BV	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 269.14	Packer Depth	From	To	Flush: 17.1	Gas Volume		Total Load

Customer Representative: Kent Deutsch			Station Manager: Kevin Gordley				Treater: Mike Mattal				
Service Units	37586		19903	20920		19889	19918				
Driver Names	Mattal		Graves			Hanson					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:00 AM					On location / Safety meeting
6:35					run 8 5/8 23# csng
—					Casing hung up in hole, pull casing
11:50					Casing on Bottom
12:01					Hook to csng / Break circ w. Rig
12:52	200		3	5	Pump 3 bbl water
12:53	200		55	6	Mix 230 SKS common cmt
1:07	50		—	5	Start Displacement
1:10	150		17.1	—	Plug Down / Shut in well
—					no cmt to surface
					Ran 1" to 40'
3:42	50		3.7	1.5	Mix 170 SKS common cmt
4:10					cmt to surface

Job complete
Thank You!
Mike Mattal
Scott + Josh

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