





Customer <b>Duke Drilling</b>	Lease No.	Date <b>7-7-18</b>
Lease <b>Bry Baker</b>	Well # <b>1-17 H</b>	
Field Order # <b>16464</b>	Station <b>Pratt KS</b>	Casing <b>13 3/8</b>
	Depth <b>343</b>	County <b>Pratt</b>
Type Job <b>PTA NW</b>	Formation	Legal Description <b>17-295-12w</b>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
	<b>4 1/2</b>						
Depth	Depth <b>2890</b>	From	To	Pre Pad <b>270 ski</b>	Max	<b>500</b>	5 Min.
Volume	Volume <b>28.5</b>	From	To	Pad <b>60-40 poz</b>	Min		10 Min.
Max Press	Max Press <b>500</b>	From	To	Frac <b>490 Gel</b>	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <b>Mud</b>	Gas Volume		Total Load

Customer Representative <b>Tim</b>	Station Manager <b>J Westerman</b>	Treater <b>D Scott</b>
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Service Units <b>Vap</b>	<b>84981</b>	<b>19843</b>	<b>19889</b>	<b>21010</b>				
Driver Names <b>Scott</b>	<b>D Franklin</b>	<b>D-Carter</b>						

Time	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	Service Log
<b>0200</b>					<b>Called Out</b>
<b>0400</b>					<b>On hoc w/Trks Safety mtg</b>
					<b>1st Plug @ 2890 60ski</b>
<b>0520</b>		<b>200</b>	<b>18</b>	<b>5</b>	<b>H2O spacer</b>
<b>0524</b>		<b>200</b>	<b>15.2</b>	<b>5</b>	<b>mix 60ski Cmt @ 13.7 ppg</b>
<b>0527</b>		<b>200</b>	<b>2</b>	<b>5</b>	<b>H2O spacer</b>
<b>0528</b>		<b>200</b>	<b>28.5</b>	<b>5</b>	<b>Balance + Disp w/mud</b>
					<b>2nd Plug @ 2780 60ski</b>
<b>0720</b>		<b>150</b>	<b>18</b>	<b>5</b>	<b>H2O spacer</b>
<b>0724</b>		<b>150</b>	<b>15.2</b>	<b>5</b>	<b>mix Cmt @ 13.7 ppg 60ski</b>
<b>0727</b>		<b>150</b>	<b>2</b>	<b>5</b>	<b>H2O spacer</b>
<b>0728</b>		<b>100</b>	<b>2.9</b>	<b>5</b>	<b>Balance + Disp w/mud</b>
					<b>3rd Plug @ 2390' 100ski</b>
<b>0750</b>		<b>100</b>	<b>18</b>	<b>5</b>	<b>H2O spacer</b>
<b>0754</b>		<b>100</b>	<b>25.4</b>	<b>5</b>	<b>mix 100ski @ 13.7 ppg</b>
<b>0759</b>		<b>75</b>	<b>.7</b>	<b>5</b>	<b>Balance + Disp Cmf</b>
<b>0810</b>		<b>50</b>	<b>7.6</b>	<b>3</b>	<b>30 ski @ 60'</b>
<b>0900</b>		<b>0</b>	<b>5.0</b>	<b>3</b>	<b>20sk Mouse Hole</b>
					<b>270 ski 60-40 poz 490 Gel</b>
					<b>Job Complete</b>
					<b>Thank you Scotty</b>



# Tail Stage 1

ENTER % CEMENT AND/OR % POZ IN COLUMN B			BULK PLANT SLURRY CALCULATOR			
			ADDITIVES		LBS	
	%	LBS	Bentonite Gel	4%	1032.0	
Class A	60	16920	Calcium Chloride	%		
Class C			C-15 Fluid Loss	%		
Class H			C-20 Retarder	%		
Pozmix A	40	8880	C-37 Frict /Dispersant	%		
Micro Matrix			C-41P Defoamer/Powder	%		
<b>Total Lbs of Cement</b>		<b>25800</b>	C-43 Thix-O-Tropic	%		
<b>Number of sacks</b>		<b>300</b>	C-44 Gasblock/Expander	%		
Calculated with standard water requirements		User Input	C-45 Sodium Metasilicate	%		
Slurry Wt. =>	13.78	13.78	C-51 Free Water Control	%		
Water Req. =>	6.92		Gypsum	%		
Slurry Yield =>	1.43		KCl (bww)	%		
			Salt (bww)	%		
			Celloflake	#/sk		
			Gilsonite	#/sk		
			Pheno Seal	#/sk		
			20/40 Sand	#/sk		
Pozmix factor (lbs/cu ft)		74				
Pozmix factor (gal/lb)		0.0487				
Pozmix water requirement (gal/sk)		3.55				

lbs Salt per CWT  
lbs KCLper CWT

Celloflake Per CWT  
Pheno Seal Per CWT  
Gilsonite Per CWT  
20/40 Sand Per CWT