

Customer <i>OSAGE-RS</i>	Lease No.	Date <i>10-14-13</i>
Lease <i>OSAGE</i>	Well # <i>27-12R</i>	
Field Order # <i>7081</i>	Station <i>PRATT, KS</i>	Casing <i>8 7/8</i>
	Depth <i>1042'</i>	County <i>CARROLL</i>
Type Job <i>CNW 8 7/8 surface</i>	Formation	State <i>KS</i>
		Legal Description <i>27-33-15</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 7/8</i>								5 Min.
Depth <i>1042'</i>	Depth	From	To	Pre Pad	Max			10 Min.
Volume <i>42.5</i>	Volume	From	To	Pad	Min			15 Min.
Max Press <i>800</i>	Max Press	From	To	Frac	Avg			Annulus Pressure
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used			Total Load
Plug Depth <i>414/47</i>	Packer Depth	From	To	Flush	Gas Volume			

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Johnson</i>									
Service Units	<i>27900</i>	<i>33708</i>	<i>20920</i>	<i>70959</i>	<i>19914</i>	<i>19960</i>	<i>21010</i>				
Driver Names	<i>Collins</i>	<i>SACOB</i>	<i>Phyp</i>	<i>Jeffrey</i>							

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>10:30</i>					<i>on loc safety meeting</i>
					RECEIVED <i>RUN 24 STS 8 7/8 + 24 csg.</i>
					<i>LOST CIRC. BASKET SET INSIDE 13 3/8</i>
<i>12:10</i>					<i>CASING ON BOTTOM</i>
<i>12:15</i>					<i>Hook break circ.</i>
<i>12:35</i>			<i>3</i>	<i>3</i>	<i>SPACER</i>
			<i>16</i>	<i>4.5</i>	<i>MIX 150 ST A-CON w/ 3% cc 1/4 CT.</i>
			<i>43</i>		<i>min 200 st component 2% cc 1/4 CT</i>
					<i>cont mixed that down</i>
					<i>Return Phy</i>
				<i>5.5</i>	<i>st Disp</i>
<i>1:20</i>	<i>450</i>		<i>63.5</i>	<i>4</i>	<i>Plug down</i>
				<i>2</i>	<i>TOP off 100 w/ 150 st A-CON</i>
					<i>@ 14.5 ppm</i>
<i>1:45</i>			<i>20</i>		<i>CMT. STAT COLLAR</i>
			<i>20</i>		
					<i>JOB Complete</i>
					<i>Thank you</i>

Customer OSAGE Resources LLC	Lease No.	Date 10-20-13
Lease OSAGE	Well # 27-12R	
Field Order # 9220	Station Pratt	Casing 5 1/2
		Depth 5392.05
Type Job CON L.S.	Formation	County Baird
		State KS
		Legal Description 27-33-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid CMT 175 AA2	1/4" RATE	PRESS 290	ISIP Deformation	
Depth 5392.05	Depth	From	To	Pre Pad 10 to 50 ft 19	Max	5 ft	5 Min.	5th silicate
Volume 128.3	Volume	From	To	Pad 50 60/40 Poz	Min	29.9-1	10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 5392.05	Packer Depth	From	To	Flush 127	Gas Volume		Total Load	

Customer Representative JEFF DAIK	Station Manager KEVIN GOLDIEY	Treater MIKE MATTAI
Service Units 37586	27463	19960 21010
Driver Names MATTAI	YOUNG	KEMMIL

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:45 PM					ON LOCATION / SARNY MEETING
11:15					RUN 5 1/2 15.5" CSNG
					CONTS. ON 3, 5, 7, 9, 11
1:20 PM					CSNG ON BOTTOM
1:25					HOOK UP TO CSNG / BRUSH CIRC W. RIG
					CIRC. FOR 1 hr
2:30	200		5	5	PUMP 5 BBL WATER
2:31	200		12	5	PUMP 12 BBL MUD FLUSH
2:34	200		5	5	PUMP 5 BBL WATER
2:35	200		42	4	MIX 175 SKS CMT
2:45					WASH PUMP + LINE, RELEASE PLUG
2:49	200			6	START KCL DISP.
3:00					
3:05	500/500		95	5	95 BBL OUT 5 BPM 500 PSI
3:09	800			4	115 BBL OUT 4 BPM 800 PSI
3:15 PM	1100/1000		127		PLUG DOWN / PSI TO 1500
					RELEASE, PLUG HOLD
3:20					MIX R.H., M.H.
					CIRC. TRIN JOB
					JOB COMPLETE
					THANK YOU
					MIKE MATTAI