

Customer Osage Resources, LLC		Lease No.		Date 8-19-12	
Lease Osage # 3,314		Well # 13-09#5.W.D.			
Field Order # 6744	Station Pratt, Kansas	Casing 13 3/8 54.5 Lb.	Depth 210 Feet	County Barber	State Kansas
Type Job C.N.W. - Surface			Formation	Legal Description 13-335-14 W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 13 3/8 54.5 Lb./ft.	Tubing Size 5 1/2 Lb./ft.	Shots/Ft 250	Acid 250 sacks	Pre Pad Acid	Commoncement with	RATE	PRESS	ISIP
Depth 210 Feet	Depth	From	To	28 Calcium Chloride	25 Lb./stk.	Max	Cellflalte	5 Min.
Volume 32.4 Bbl.	Volume	From	To	15.6 Lb./Gal.	9.23 Gal./stk.	Min	1.20 Cu. Ft./stk.	10 Min.
Max Press 200 P.S.T.	Max Press	From	To	Frac		Avg		15 Min.
Well Connection Swaged and Va	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 200 Feet	Packer Depth	From	To	Flush	31 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Scott	Station Manager David Scott	Treater Clarence R. Messick
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Service Units	37,216	19,903	19,905	19,960	21,010				
Driver Names	Messick	Mattal	Young						

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
5:00					Trucks on location and hold safety meeting.
8:45					Duke Drilling start to run 5 Joints new 54.5 Lb./ft. 13 3/8" casing.
9:45					Casing in well. Circulate for 5 minutes.
10:10	200			5	Start mixing 250 sacks commoncement.
10:28	200		53	5	Start Fresh water Displacement.
10:35	200		84		Stop pumping. Shut in well.
					Circulated 15 sacks cement to the pit.
					Wash up pump truck.
11:00					Job Complete.
					Thank You.
					Clarence, Milte, Steve

Customer OSAGE Resources	Lease No.	Date 7-1-17	
Lease OSAGE 3314	Well # 13-09 SWD		
Field Order # 6775	Station Pratt	Casing 7"	Depth 3305
County Barber		State KS	
Type Job Cnw-7" L.S.	Formation	Legal Description 13-33-14	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative J.H.H.	Station Manager Drew Scott	Treater Steve Orlando
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Service Units	27283	27463	19960	21010					
Driver Names	McBraw	McBraw	McBraw						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00 AM					On location Safety meeting
4:50 AM					Casing on buttons
					Contractions 2-6-11-14-21
					Baskets 3-15
			0	4	Break Circ w/Run
	200		17	4	Pressure up + Set packer w/Truck
	300		17	5	Mud flush
	300		5	5	H2O spacer
	350		29.6	5	Mix 10054 Acid Line w/15'
	300		29.5	5	Mix 10054 Acid Line w/15'
					Start Down (Clear Pump Line)
					Release Plug
	0		0	6	Start H2O Displacement
	1000		170	5	Life pressure
	1500		180	4	Slow Rate
6:30 AM	1500		202	4	Plug Down - Hold
			6/11		Mix 5054 RH/HH
					Job Complete
					Thank you Steve