

TREATMENT REPORT

Customer <i>Deutch Oil</i>	Lease No.	Date <i>10-27-13</i>	
Lease <i>Hoona Trust</i>	Well # <i>3-17</i>		
Field Order # <i>9503</i>	Station <i>Pratt</i>	Casing <i>10 3/4"</i>	Depth
Type Job <i>CNW Surface</i>	Formation	County <i>Pratt</i>	State <i>KS</i>
		Legal Description <i>17-27-13</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>10 3/4"</i>				<i>60/100oz</i>				
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
<i>299</i>				<i>2900</i>	Min		10 Min.	
Volume	Volume	From	To	Pad	Avg		15 Min.	
<i>350</i>				<i>3900</i>				
Max Press	Max Press	From	To	Frac	HHP Used		Annulus Pressure	
<i>303</i>				<i>1/2" / 1000</i>				
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
<i>10 3/4"</i>				<i>28</i>				
Plug Depth	Packer Depth	From	To					
<i>280</i>								

Customer Representative <i>Mike K...</i>	Station Manager <i>K... Lordley</i>	Treater <i>Steve Or...</i>
Service Units <i>17723</i>	<i>2327/2...</i>	<i>1996/21010</i>
Driver Names <i>...</i>	<i>77686</i>	<i>14905</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1:05 PM</i>					<i>On location - 500 ft, 100 ft</i>
					<i>Run 7 1/2" 10 3/4" 3 1/2" conn.</i>
					<i>Convey as Bull down</i>
					<i>Break Circ w/n</i>
<i>3:00</i>	<i>200</i>		<i>0</i>	<i>4</i>	<i>Start 280 sur 60/100 per @ 14.2%</i>
	<i>200</i>		<i>60</i>	<i>4</i>	<i>Start H2O Displacement</i>
	<i>200</i>		<i>20</i>	<i>4</i>	<i>Connect to Surface</i>
<i>3:30 PM</i>	<i>200</i>		<i>28</i>	<i>3</i>	<i>Plug Down</i>
					<i>Job complete</i>
					<i>Created 2 8 bbls 100 ft</i>

Customer Deutsch Oil	Lease No.	Date 10-29-13	
Lease Hoeme Trust	Well # 3-17		
Field Order # 9,388	Station Pratt, Kansas	Casing" 5 1/2 15.5 Lb.	Depth 4,442 Feet
Type Job C.N.W.- Longstring	Formation	County Pratt	State Kansas
		Legal Description T-275-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2 15.5 Lb.	Tubing Size 5 Lb.	Shots/Ft 150	sacks AA2 with .58	Acid	Fluid Loss 30	RATE	PRESS	SIP Friction Reducer,
Depth 4,442 Feet	Depth	From .28	To Defoamer, 18	Pre Pad Gas Blot,	Max Salt, 5			Lb/st. G sonite
Volume 105.7 Bbl.	Volume	From 15.3	To b./Gal.	Pad 5.46 Gal./St,	Min 36 CU.F			T./St. 10 Min.
Max Press 1,500 P.S.I.	Max Press	From	To	Frac	Avg			15 Min.
Well Connection Plug on Packer	Annulus Vol.	From 50	To 60/40	Poz to Plug Rat (30	HHP Used sts) and Mouse (20			Annulus Pressure sts) Notes
Plug Depth 4,442 Feet	Packer Depth	From	To	Flush 105.2 Bbl.F	Gas Volume Fresh Water			Total Load

Customer Representative Dave Pauly	Station Manager Kevin Gordley	Treater Clarence R. Messicht
Service Units 37,216	77,686	19,905
Driver Names Messicht	Mc Graw	JESSE - MAIE SIMDEY

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:00					Trucks on location and hold safety meeting.
7:15					Pictrel Drilling start to run Auto Fill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 106 Joints new 15.5 Lb/Ft. 5 1/2" casing. A Basher was installed above collars # 11 and #14. A Turbolizer was installed on collars # 1, 3, 5, 9, 10, 11, 13, 15 and #17.
9:10					Casing in well. Circulate for 30 minutes
9:45		2,000			Shut in well. Pressure Test. Open Well.
9:48	300			6	Start Fresh water Pre-Flush.
			20	6	Start Mud Flush.
			32	6	Start Fresh water spacer.
10:07	300		52	5	Start mixing 150 sacks AA2 cement.
	-0-		88		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
10:22	150			6.5	Start Fresh water Displacement.
			85	5	Start to lift cement.
10:43	500		105.2		Plug down.
	1,500				Pressure up.
					Release pressure. Float Shoe held.
			7-5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
11:15					Job Complete.
					Thank You. Clarence, Milte, Nathan