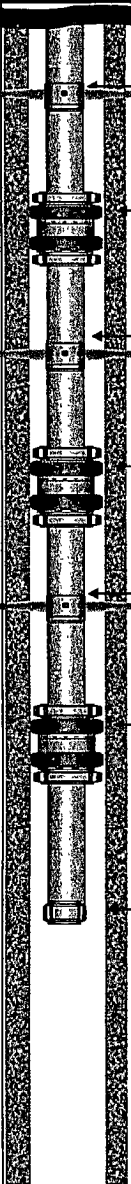


Packers Plus		Do It Once. Do It Right.		Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Drawing	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 5-Sep-11			
Well Name Red Hills West -21- Fed Com #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Lea County, NM			
Depth	Drawing	Description		OD(in)	ID(in)	Length	
REV_				Page 1 of 3			
TD 13,758							
TVD 9,365							
KOP 8,752							
TOL 9,426 361bbbls		***Drillable FracPORT's to be shipped without handling pups*** Latched Seal Assembly 7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer PN: 108425-000004 (Shear Pins: 2 @ 482 plus 1 @ 241 : 1,205 psi setting pressure) SF Bottom Guide S# SNU0003893		5.875"	4.750	3 30	
SHOE 9,650		7" 26# P-110 LT&C Casing		5.850"	3.875	2 51	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 7		5.850"	3.850	0 94	3 11
Stage 20 9,704 365bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.625" Seat for 3.750" High Pressure Ball PN: 121332-000024 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA0048575		4 500"	4 000	268 15	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		5 630"	3.625	2 65	
RSII 9,790		6' x 4-1/2" 11 6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure) S#EA3005588 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4 500"	3.840		
				4 500"	4 000	77 30	
				4 500"	4 000	6 10	
				5 750"	3.875	5 25	
Stage 19 9,874 368bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball PN: 121332-000023 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1002285		4 500"	4 000	3 09	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4 500"	4 000	75 14	
RSII 9,997		6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA 3005587 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		5 630"	3.500	2 65	
				4 500"	3.840		
				4 500"	4 000	114 85	
				4 500"	4 000	6 10	
				5 750"	3.875	5 25	
Stage 18 10,083 371bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.500" High Pressure Ball PN: 121332-000022 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1008042		4 500"	4 000	3 10	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4 500"	4 000	77 80	
RSII 10,207		6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA 3005585 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		5 630"	3.375	2 65	
				4 500"	3.840		
				4 500"	4 000	114 49	
				4 500"	4 000	6 08	
				5 750"	3.875	5 25	
Stage 17 10,331 375bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball PN: 121332-000021 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1004787		4 500"	4 000	3 10	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4 500"	4 000	115 50	
RSII 10,418		6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005585 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		5 630"	3.250	2 65	
				4 500"	3.840		
				4 500"	4 000	78 87	
				4 500"	4 000	6 08	
				5 750"	3.875	5 25	
Stage 16 10,504 378bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball PN: 121332-000020 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1005652		4 500"	4 000	3 11	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4 500"	4 000	77 07	
RSII 10,625		6' x 4-1/2" 11 6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005592 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		5 630"	3.125	2 65	
				4 500"	3.840		
				4 500"	4 000	113 15	
				4 500"	4 000	6 08	
				5 750"	3.875	5 25	
Stage 15 10,712 381bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.000" Seat for 3.125" High Pressure Ball PN: 121332-000019 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1005646		4 500"	4 000	3 11	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4 500"	4 000	78 34	
RSII 10,798		6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005591 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		5 630"	3.000	2 65	
				4 500"	3.840		
				4 500"	4 000	77 19	
				4 500"	4 000	6 11	
				5 750"	3.875	5 25	
Stage 14 10,882 384bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball PN: 121332-000018 (5 shear pins at 314 psi each; 1,570 psi opening pressure) S# EA1007470		4 500"	4 000	3 09	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4 500"	4 000	76 02	
RSII 11,007		6' x 4-1/2" 11 6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005457 3' x 4-1/2" 11 6# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		5 630"	2.875	2 65	
				4 500"	3.840		
				4 500"	4 000	115 80	
				4 500"	4 000	6 11	
				5 750"	3.875	5 25	
				4 500"	4 000	3 11	
				4 500"	4 000	115.09	
Service Center Midland, TX		Telephone 432-563-8024		Contact Keith Martin		Telephone Chad Williams 405-255-3223	

Packers Plus		Do It Once. Do It Right	Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Drawing		
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company			Date 5-Sep-11		
Well Name Red Hills West -21- Fed Com #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD			Location Lea County, NM		
Depth	Drawing	Description		OD(in)	ID(in)	Length	
				Page 2 of 3			
REV_							
Stage 13 11,130 387bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball PN: 121332-000017 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1005626		5.630"	2.750 3.840	2.65	
RSII 11,256		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	116.37	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.11	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA2002837		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
Stage 12 11,379 391bbbls		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	114.81	
		Packers Plus 4-1/2" Drillable FracPORT™ with 2.825" Seat for 2.750" High Pressure Ball PN: 121332-000016 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1007555		5.630"	2.625 3.840	2.65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	76.72	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10	
RSII 11,464		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA2002838		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	116.36	
		Stage 11 11,589 394bbbls		5.630"	2.500 3.840	2.65	
RSII 11,675		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	77.07	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.08	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005590		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.09	
Stage 10 11,796 398bbbls		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	113.38	
		Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball PN: 121332-000014 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1006995		5.630"	2.375 3.840	2.65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	78.42	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09	
RSII 11,884		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005589		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	76.80	
		Stage 9 11,969 400bbbls		5.630"	2.250 3.840	2.65	
RSII 12,055		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	76.99	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005629		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
Stage 8 12,181 404bbbls		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	118.53	
		Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball PN: 121332-000013 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1005338		5.630"	2.250 3.840	2.65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	78.34	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10	
RSII 12,269		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005627		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	115.66	
		Stage 7 12,393 407bbbls		5.630"	2.000 3.840	2.65	
RSII 12,516		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	114.83	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005628		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
Stage 6 12,641 411bbs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	116.44	
		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball PN: 121332-000010 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1005868		5.630"	1.875 3.840	2.65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	76.89	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.08	
RSII 12,727		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005597		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.07	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	77.57	
		Stage 5 12,812 413bbbls		5.630"	1.750 3.840	2.65	
RSII 12,936		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	114.69	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure)S# EA3005608		5.750"	3.875	5.25	
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.11	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	77.59	
Service Center Midland, TX		Telephone 432-563-8024		Contact Keith Martin		Telephone Chad Williams 405-255-3223	

Packers Plus		Do It Once. Do It Right.	Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Drawing	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 5-Sep-11		
Well Name Red Hills West -21- Fed Com #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Lea County, NM		
Depth	Drawing	Description		OD(in)	ID(in)	Length
				Page 2 of 2		
REV_						
Stage 4 13,022 416bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball PN: 121332-000008 (5 shear pins at 314 psi each: 1,570 psi opening pressure)S# EA1003744		5 630"	1.625 3.840	2 65
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4 500"	4.000	76 87
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4 500"	4 000	6.09
RSII 13,107		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)S# EA2002848		5 750"	3.875	5 25
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint		4 500"	4.000	3.09
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4 500"	4 000	115 29
Stage 3 13,231 419bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball PN: 121332-000007 (5 shear pins at 314 psi each: 1,570 psi opening pressure)S# EA1007686		5 630"	1.500 3.840	2 65
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4 500"	4 000	115 04
		6' x 4-1/2" 11 6# P-110 LTC Pup Joint		4 500"	4 000	6 10
RSII 13,355		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)S# EA2002874		5 750"	3.875	5 25
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4 500"	4 000	3 09
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4 500"	4 000	116 18
Stage 2 13,479 423bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball PN: 121332-000006 (5 shear pins at 314 psi each: 1,570 psi opening pressure)S# EA1005776		5 630"	1.375 3.840	2.65
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	116 49
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4 500"	4.000	6 09
RSII 13,605		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)S# EA2004990		5 750"	3.875	5 25
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4 500"	4 000	3 12
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4 500"	4 000	77 40
Stage 1 13,694 427bbbls		6' x 4-1/2" 11 6# P-110 LTC Pup Joint				3 14
		Packers Plus 4-1/2" Pump Off Sub (Pinned above 4000 PSI)				
Service Center Midland, TX		Telephone 432-563-8024	Contact Keith Martin	Telephone Chad Williams 405-255-3223		