

30-015-39432

Packers Plus		Do It Once Do It Right.		Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Schematic	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 2.1.12			
Well Name Aries -20- Fed Com #3H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM			
Depth	Drawing	Description	OD(in)	ID(in)	Length		
			Page 1 of 3				
REV_ TVD 8205' KOP 7702' Top of Liner 8244.24' 63" Incl. 7" Shoe 8468' Stage 20 8519.22 319 bbls EA3011576 8643.07 EA2017069 Stage 19 8767.74 323 bbls EA1012217 8852.32 EA2017072 Stage 18 8975.67 326 bbls EA1019507 9097.33 EA2017067 Stage 17 9218.28 330 bbls EA3017108 9338.56 EA2017058 Stage 16 9463.75 334 bbls EA1021849 9550.12 EA3017068 Stage 15 9673.77 337 bbls EA3016198 Service Center Midland, TX Telephone 432-563-8024 Contact Scott Mabry							
Drillable FracPORT's to be shipped without handling pups SNU0007341 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 7" 26# P-110 LT&C Casing 4-1/2" 11.60# P-110 LTC LINER JOINTS: 7 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) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.60# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (5 shear pins at 522 psi each: 2,088 psi setting pressure) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (5 shear pins at 522 psi each: 2,088 psi setting pressure) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.250" High Pressure Ball PN: 121332-000022 (5 shear pins at 314 psi each: 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.60# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (5 shear pins at 522 psi each: 2,088 psi setting pressure) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.60# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (5 shear pins at 522 psi each: 2,088 psi setting pressure) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (5 shear pins at 522 psi each: 2,088 psi setting pressure) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (5 shear pins at 522 psi each: 2,088 psi setting pressure) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2							
5.875" 4.750 2 5 5.850" 3.875 3 84 4 500" 4 000 268 64 5 630" 3.625 2 65 3.840 4.500" 4.000 115 13 4.500" 4.000 6 07 5.750" 3.875 5 25 4 500" 4.000 3 02 4.500" 4.000 116 4 5 630" 3.500 2 65 3.840 4 500" 4.000 75 83 4.500" 4.000 6 1 5.750" 3.875 5 25 4.500" 4.000 3 05 4.500" 4.000 115.05 5.630" 3.375 2.65 3.840 4 500" 4.000 112 92 4 500" 4.000 6.09 5 750" 3.875 5 25 4 500" 4.000 3 07 4 500" 4.000 112 63 5 630" 3.250 2.65 3.840 4 500" 4.000 111 53 4 500" 4.000 6 1 5 750" 3.875 5.25 4.500" 4.000 3 03 4 500" 4.000 116 91 5 630" 3.125 2.65 3.840 4 500" 4.000 77 64 4.500" 4.000 6.08 5.750" 3.875 5 25 4 500" 4.000 3 04 4.500" 4.000 115.36 5.630" 3.000 2 65 3.840 4.500" 4.000 76 56							
Telephone Chad Williams 405-255-3223							



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Final
Schematic

Prepared for Mr. Mickey Young		Company Mewbourne Oil Company	Date 2.1.12			
Well Name Aries -20- Fed Com #3H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD	Location Eddy County, NM			
Depth	Drawing	Description	OD(in)	ID(in)	Length	
REV_			Page 2 of 3			
9759.09 EA2017065		6' x 4-1/2" 11 60# 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: 124929-000004 (5 shear pins at 522 psi each; 2,088 psi setting pressure)	5 750"	3.875	5 25	
Stage 14 9841.17 340 bbls EA3016328		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 02	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	73 81	
9964.64 EA4001252		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)	5 630"	2.875	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	114 74	
Stage 13 10050.6 343 bbls EA1022498		6' x 4-1/2" 11 60# 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)	5 750"	3.875	5 25	
Stage 12 10136.68 EA4001254		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	77 71	
Stage 11 10220.82 346 bbls EA3017013		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)	5 630"	2.750	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	77 35	
Stage 10 10343.97 EA4001258		6' x 4-1/2" 11 60# 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)	5.750"	3.875	5 25	
Stage 9 10467.13 349 bbls EA3016974		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	2 99	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4.500"	4.000	75 9	
Stage 8 10552.82 EA4001250		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball PN: 121332-000016 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.625	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	114 43	
Stage 7 10637.37 352 bbls EA1022604		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4.500"	4 000	6 07	
		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)	5 750"	3.875	5 25	
Stage 6 10759.47 EA40011261		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 03	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	114 88	
Stage 5 10844.18 355 bbls EA1022736		Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball PN: 121332-000015 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.500	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	76 93	
Stage 4 10968.05 EA4001246		6' x 4-1/2" 11.60# 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)	5 750"	3.875	5 25	
Stage 3 11052.94 359 bbls EA3016873		3' x 4-1/2" 11 60# 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	76 23	
Stage 2 11176.55 EA1001270		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)	5.630"	2.375	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4 000	113 36	
Stage 1 11176.55 EA1001270		6' x 4-1/2" 11.60# 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)	5.750"	3.875	5 25	
Stage 0 11176.55 EA1001270		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4.500"	4 000	3 08	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4.500"	4 000	76 38	
Stage -1 11176.55 EA1001270		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)	5.630"	2.250	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	115 13	
Stage -2 11176.55 EA1001270		6' x 4-1/2" 11.60# 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)	5.750"	3.875	5 25	
Stage -3 11176.55 EA1001270		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4.500"	4 000	3 02	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	76 62	
Stage -4 11176.55 EA1001270		Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball PN: 121332-000012 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5.630"	2.125	2 65	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4 000	114 89	
Stage -5 11176.55 EA1001270		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4.500"	4 000	6 07	
		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)	5 750"	3.875	5 25	
Stage -6 11176.55 EA1001270		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 05	
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4 000	114 72	
Service Center Midland, TX		Telephone 432-563-8024	Contact Scott Mabry	Telephone Chad Williams 405-255-3223		



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**Final
Schematic**

Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 2.1.12	
Well Name Aries -20- Fed Com #3H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM	
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 3 of 3					
REV_					
Stage 7		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball	5 630"	2.000	2 65
11299.57		PN: 121332-000011 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
362 bbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	77 8
EA1022650		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6 07
		JOINTS: 2	5 750"	3.875	5 25
11386.09		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	4 500"	4 000	3 03
EA3004627		PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)	4 500"	4 000	113 61
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	5 630"	1.875	2 65
		4-1/2" 11.60# P-110 LTC LINER		3.840	
		JOINTS: 3	4 500"	4 000	77 64
Stage 6		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball	4.500"	4 000	6 1
11507.98		PN: 121332-000010 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	5 750"	3.875	5 25
366 bbls		4-1/2" 11.60# P-110 LTC LINER			
EA3016392		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 05
		JOINTS: 2	4 500"	4 000	115 75
11594.37		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5 630"	1.750	2 65
EA4001259		PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		3.840	
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	115 78
		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	6 06
		JOINTS: 3	5 750"	3.875	5 25
Stage 5		Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball	4 500"	4 000	3
11718.42		PN: 121332-000009 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4 500"	4 000	116 85
369 bbls		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.625	2 65
EA1021007		6' x 4-1/2" 11 60# P-110 LTC Pup Joint		3.840	
		JOINTS: 3	4 500"	4 000	115 09
11842.91		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	4 500"	4 000	6 09
EA4001263		PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)	5 750"	3.875	5 25
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint			
		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	3 06
		JOINTS: 3	4 500"	4 000	76 8
Stage 4		Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball	5 630"	1.500	2 65
11968.01		PN: 121332-000008 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
373 bbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	116 27
EA1021252		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6 08
		JOINTS: 3	5 750"	3.875	5 25
12091.84		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA1001264		PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)	4 500"	4 000	2 99
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	115 38
		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.375	2 65
		JOINTS: 2		3.840	
Stage 3		Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball	4 500"	4 000	117 62
12176.95		PN: 121332-000007 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4 500"	4 000	6 08
376 bbls		4-1/2" 11.60# P-110 LTC LINER	5 750"	3.875	5 25
EA1015525		6' x 4-1/2" 11 60# P-110 LTC Pup Joint			
		JOINTS: 3	4 500"	4 000	2 99
12301.95		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	4 500"	4 000	115 38
EA4001267		PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)	5 630"	1.375	2 65
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint		3.840	
		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	117 62
		JOINTS: 3	4 500"	4 000	6 08
Stage 2		Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball	5 750"	3.875	5 25
12425.57		PN: 121332-000006 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
380 bbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	3 02
EA1017437		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	76 77
		JOINTS: 3			
12551.92		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA4001262		PN: 121381-000001 (6 shear pins at 324 psi each: 1,944 psi setting pressure)			
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint			
		4-1/2" 11.60# P-110 LTC LINER			
		JOINTS: 2			
Stage 1		Customer 4-1/2" Pump Off Sub			3 04
12636.96		(Pinned above 4000 PSI)			
383 bbls					
Service Center Midland, TX			Telephone Chad Williams 405-255-3223		
Telephone 432-563-8024			Contact Scott Mabry		