



Do It Once
Do It Right

20-Stage StackFRAC® HD Completion

Packers Plus® Energy Services

Mr. Mickey Young

30-065-38673

StackFRAC® HD

Multi-Stage Fracturing System from

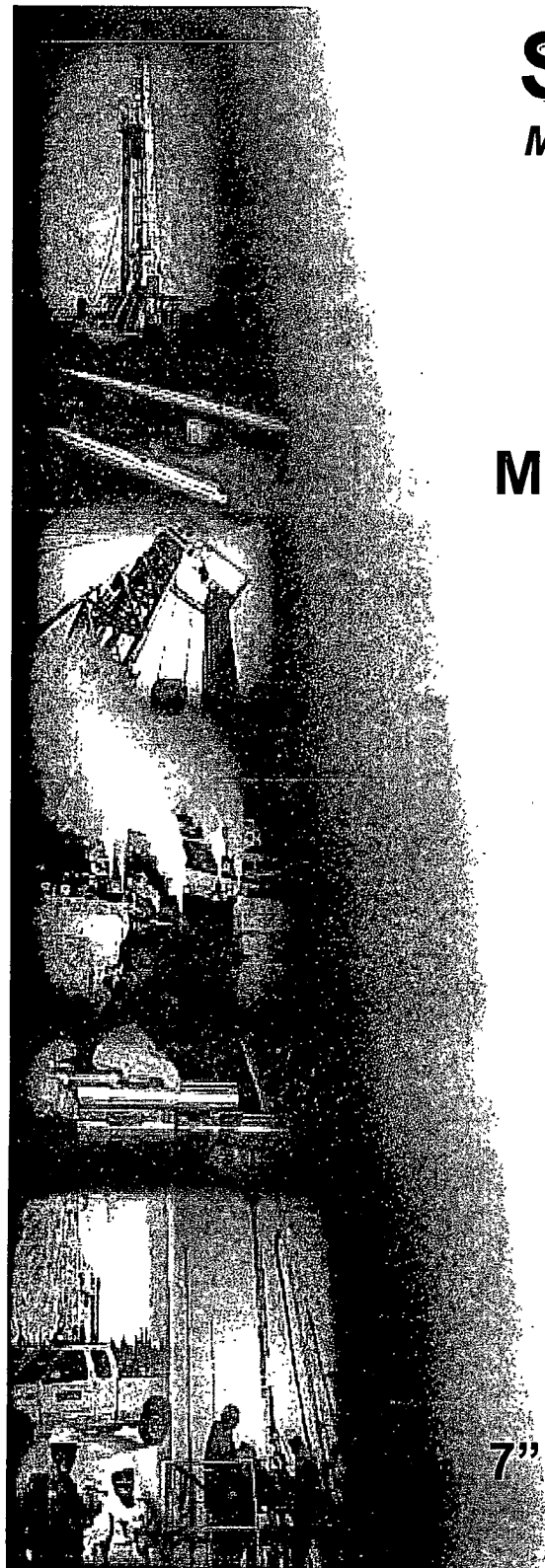


Do It Once
Do It Right

Prepared for:
Mewbourne Oil Company
Mr. Mickey Young

Brushy Draw -1- Federal #1H
Eddy County, NM

20-Stage StackFRAC® HD
Completion:
7" X 4-1/2", 11.60#, P-110, LTC



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 29-Jun-11		
Well Name Brushy Draw -1- Federal #1H		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 2						
TOL 7,615		Latched Seal Assembly 7" 23-32 ppi x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer PN: 108425-000004 (Shear Pins: 2 @ 529 plus 1 @ 264 - 1,322 psi setting pressure) SF Bottom Guide PN: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000053		5.875"	4.750"	3.43
291bbls		***Drillable FracPORT's to be shipped without handling pups*** S# SNU0002593 7" 26# P-110 LT&C Casing		5.850"	3.850"	2.51
TD 12,191						0.94
TVD 7,834						3.07
KOP 7,299						
RSII 7,859		4-1/2" 11.60# P-110 LTC LINER JOINTS: 6 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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000053		4.500"	4.000"	228.14
Stage 20 7,906		4-1/2" 11.60# P-110 LTC LINER JOINTS: 1 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# EA1000371		4.500"	4.000"	6.08
296bbls		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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000053		5.630"	3.625"	5.25
RSII 7,991		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)S# EA1002041		4.500"	4.000"	3.06
SHOE 8,055		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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000039		4.500"	4.000"	38.54
Stage 19 8,115	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)S# EA1002316		4.500"	4.000"	76.65	
298bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000050		5.630"	3.375"	6.09	
RSII 8,201	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000039		4.500"	4.000"	5.25	
Stage 18 8,325	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)S# EA3000706		4.500"	4.000"	3.08	
302bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000051		4.500"	4.000"	115.38	
RSII 8,448	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)S# EA1002417		4.500"	4.000"	2.65	
Stage 17 8,532	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)S# EA1002980		4.500"	4.000"	3.840	
305bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000051		4.500"	4.000"	114.02	
RSII 8,619	4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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# EA1002687		4.500"	4.000"	6.09	
Stage 16 8,741	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000011		5.750"	3.875"	5.25	
308bbls	4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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# EA1002744		4.500"	4.000"	3.09	
RSII 8,863	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000006		4.500"	4.000"	75.67	
Stage 15 8,984	4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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)S# EA1002646		4.500"	4.000"	6.10	
312bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2002474		5.630"	2.625"	5.25	
RSII 9,069	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2002474		4.500"	4.000"	77.03	
Stage 14 9,155	4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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)S# EA1002646		4.500"	4.000"	112.40	
315bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000010		5.630"	2.500"	2.65	
RSII 9,240	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2000006		4.500"	4.000"	3.07	
Stage 13 9,364	4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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# EA1002646		4.500"	4.000"	77.06	
318bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2002474		4.500"	4.000"	6.10	
RSII 9,527	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2002474		5.750"	3.875"	5.25	
Stage 12 9,611	4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 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# EA1002646		4.500"	4.000"	3.10	
322bbls	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2002474		5.630"	2.250"	2.65	
RSII 9,732	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: 121381-000001 (6 shear pins at 324 psi each, 1,944 psi setting pressure)S# EA2002474		4.500"	4.000"	75.77	
Service Center Midland, TX			Telephone Chad Williams 405-255-3223			
Contact Keith Martin						

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 29-Jun-11		
Well Name Brushy Draw -1- Federal #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM		
Depth	Drawing	Description	OD(in)	ID(in)	Length	
Page 2 of 2						
REV_		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	76 97'	
Stage 11 9,817		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)S# EA1003018	5 630"	2 500"	2 65'	
325bbbls		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	73 90'	
RSII		6' x 4-1/2" 11 6#P-110 LTC Pup Joint	4 500"	4 000"	6 08'	
9,900		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# EA2002473	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 07'	
Stage 10 9,986		4-1/2" 11 60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	77 99'	
328bbbls		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# EA1002774	5 630"	2 375"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 1	4 500"	4 000"	38 76'	
10,034		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# EA2002472	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 07'	
Stage 9 10,157		4-1/2" 11 60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	115 24'	
330bbbls		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# EA1002814	5 630"	2 250"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	116 33'	
10,282		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# EA2002478	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 08'	
Stage 8 10,405		4-1/2" 11 60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	113 88'	
334bbbls		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)S# EA1000725	5 630"	2 125"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	77 14'	
10,490		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# EA2002479	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 08'	
Stage 7 10,616		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	117 64'	
337bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball PN: 121332-000011 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1002888	5 630"	2 000"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 4	4 500"	4 000"	155 10'	
10,780		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# EA2002477	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 06'	
Stage 6 10,903		4-1/2" 11 60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	114 48'	
341bbbls		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# EA1003803	5 630"	1 875"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	76 03'	
10,988		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# EA2000005	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 08'	
Stage 5 11,073		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	77 20'	
345bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball PN: 121332-000009 (5 shear pins at 314 psi each; 1,570 psi opening pressure)S# EA1002534	5 630"	1 750"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 4	4 500"	4 000"	153 04'	
11,235		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# EA2000004	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 4 11,320		4-1/2" 11 60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	76 91'	
348bbbls		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# EA1002589	5 630"	1 625"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	77 75'	
11,407		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# EA2000008	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 3 11,485		4-1/2" 11 60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	69 49'	
351bbbls		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# EA0056689	5 630"	1 500"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	114 21'	
11,608		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# EA2000009	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 10'	
Stage 2 11,731		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000"	114 62'	
355bbbls		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# EA1001410	5 630"	1 375"	2 65'	
RSII		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	77 25'	
11,817		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# EA2000007	5 750"	3 875"	5 25'	
		3' x 4-1/2" 11 6# P-110 LTC Pup Joint	4 500"	4 000"	3 07'	
Stage 1 11,905		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000"	76 31'	
357bbbls		Customer Supplied Pump Off Bit Sub Recommended - Pinned above 4000 psi 1.00" ball seat for 1.25" ball			3 25'	
Service Center Midland, TX	Telephone 432-563-8024	Contact Keith Martin	Telephone Chad Williams 405-255-3223			

Operator:	Mewbourne Oil Company	Base Point:	20410 Midland
Company Rep.	Levi Jackson	Packers Plus Rep.	Mano Hernandez
Well Name:	Brushy Draw 1 Federal 1H	Date Started	6/24/2011
Ticket Number	SQU002340	Date Completed:	6/29/2011
County/State:	Eddy Co New Mexico	Type of Job:	StackFrac HD
Field	South Loving	Formation	Lower Avalon Shale
Rig Name	Patterson 46	Well API #	30-015-38673

DETAIL THE JOB - THIS FORM USED TO REPORT WHAT ACTUALLY TOOK PLACE - FILL OUT COMPLETELY

General Well Information				Stages		
Well Profile		Open Hole Horizontal		Number of Stages	20	
Depth TVD	7,834	Feet		MD to Packer 1	82 63	
Depth MD	12,191	Feet		Packer 1 to Packer 2	203 72	
				Packer 2 to Packer 3	195 54	
Lateral Length	4,136	Feet		Packer 3 to Packer 4	166 5	
				Packer 4 to Packer 5	242 08	
KOP	7,299	Feet		Packer 5 to Packer 6	202 32	
				Packer 6 to Packer 7	284 56	
Hole Size	6 125	Inch		Packer 7 to Packer 8	202 83	
				Packer 8 to Packer 9	243 37	
BHP	3,992	PSI		Packer 9 to Packer 10	128 55	
				Packer 10 to Packer 11	162 67	
BHT	0	°F		Packer 11 to Packer 12	199 49	
				Packer 12 to Packer 13	281 8	
Reamer run?	Yes	Size	6 125	Packer 13 to Packer 14	165 55	
Build Rate	10		*/100 FT	Packer 14 to Packer 15	201 26	
				Packer 15 to Packer 16	239 05	
Max Dog Leg	10.12		*/100 FT	Packer 16 to Packer 17	165 18	
				Packer 17 to Packer 18	241 6	
Angle of Perma Plus	65		°	Packer 18 to Packer 19	204 87	
				Packer 19 to Packer 20	127 01	
Planned Depth Bullet Guide	12,130	Feet				
Actual Depth Bullet Guide	11,905	Feet				
Distance Off	225	Feet				
				Average Stage Length	198	Feet

WORK STRING INFORMATION

Casing	Weight	Thread	ID	Capacity	Grade	Shoe	
7"	26#	LTC	6.276	0 038263237	P-110	8055	
				0			
Drill Pipe	Weight	Thread	ID	Capacity	Grade	Length	Torque
3 1/2"	13 3#	IF	2.76	0 007400039	S-135	6540 45	10k
Heavy Weight	Weight	Thread	ID	Capacity	Grade	Length	Torque
n/a	n/a	n/a	0	0	n/a	0	n/a
Drill Collar	Weight	Thread	ID	Capacity	Grade	Length	Torque
4 3/4"	46 8#	IF	2 25	0 004917913	S-135	1289 93	12k
Liner	Weight	Thread	ID	Capacity	Grade	Length	Torque
4 1/2"	11 6#	LTC	4	0 015543035	P-110	3929 9	3020
Well Data						Open Hole	
MD	TVD	KOP	Shoe		Lateral	Size	Capacity
12191	7834	7299	8055		4136	6 125	0 03644417 bbl/ft

FLUIDS

Mud Weight		Mud Type		Fill Fluid	Fill Weight	LCM (if yes-amount- ppg)	Viscosity
9 8#		Dispersed		3%KCL	6 4	0	n/a
Fluid Level in Annulus Start	full	PUMP TYPE	SPM	BPS	Rig Type	Kelly	Weight
Fluid Level in Annulus Change	full	PZ-10	94	0 069	Kelly	48'	10k

AS RUN IN HOLE WEIGHTS

Liner		Push Pipe		H W.D.P.		D P.	
Air	Mud	Air	Mud	Air	Mud	Air	Mud
49,881	49,233	60,368	59,160	0	0	86,982	85,242
Calculated Neutral Weight Including Blocks:		151k	Weight When Released From PermaPlus:			131k	
			Pipe Stretch in Inches Before Releasing.			31	
Setting Tool Part Number	ppst-037m			FracPORT Part Number	121332-000015		
Elastomer / Metallurgy / Pinned to	HSN	P110	1205	Elastomer / Metallurgy / Pinned to	HSN	P110	1570
Packer Part Number	121381-000001			Other Part Number			
Elastomer / Metallurgy / Pinned to	HSN	P110	1944	Elastomer / Metallurgy / Pinned to			
FTR	Yes			Problem on Job	getting system to planned depth		

Notes: