



Baker Oil Tools

Casper, Wyoming

CUSTOMER: BILL BARRETT CORP.

LEASE/WELL: Greasewood 4-8H

DATE: September 16, 2013



307-265-4685

## FRAC POINT - WAREHOUSE ASSEMBLY DRAWING BOOK

Casing Size:	7"	Tie-Back Casing Size:	
Casing Grade:	P-110	Tie-Back Casing Weight:	
Casing Weight:	26#	Tie-Back Casing Thread:	
Casing ID:	6.276"	Tie-Back Casing Drift:	
Casing Drift:	6.151"	Tie-Back Casing Grade:	
Open Hole Size:	6.125"	Drift OD Used	3.875"
Liner Size:	4 1/2"	Tested (Air or Water)	Air
Liner Weight:	11.6#	Test Pressure (PSI)	130
Liner Grade:	P-110		
Liner Drift:	3.875"		
Liner Thread:	LTC		

## RePACKERS

## FRAC SLEEVES

Swell - Oil/Water	OIL	Mat. #	5501741688
Mat. #	H304070012	Thread Size:	4 1/2"
Thread Size:	4 1/2"	Thread Type:	LTC
Thread Type:	LTC	Thread Wt.	11.6#
Thread Wt.	11.6#	Grade:	P110
Grade:	P-110	PSI Per Screw	381
		Number of Screws	6

## "P" SLEEVE

## FLOAT EQUIPMENT

Mat. #	H809-88-0001	Thread Size:	4 1/2"
Thread Size:	4 1/2"	Thread Type:	LTC
Thread Type:	LTC	Thread Wt.	11.6#
Thread Wt.	11.6#	Grade:	P110
Grade:	P-110		
PSI Per Screw	805		
Number of Screws	6		



FracPoint Space Out Diagram

BILL BARRETT CORPORATION WELL NUMBER: Greasewood 4-8H

Baker Oil Tools

Casing Information		
7" 26# P-110		
Burst=	9,960	psi
Collapse=	6,230	psi
Capacity=	0.03826	bbls/ft

Liner Information		
4-1/2" 11.60# HCP-110		
Burst=	10,690	psi
Collapse=	7,580	psi
Capacity=	0.01554	bbls/ft

Displacements	BBLS	GALS
Liner Top	218.52	9,178
3.625" SLV	235.01	9,870
3.500" SLV	238.58	10,020
3.375" SLV	242.14	10,170
3.250" SLV	245.73	10,321
3.125" SLV	249.29	10,470
3.000" SLV	252.75	10,615
2.875" SLV	256.31	10,765
2.750" SLV	259.86	10,914
2.625" SLV	263.42	11,064

Displacements	BBLS	GALS
2.500" SLV	266.91	11,210
2.375" SLV	270.42	11,358
2.250" SLV	273.99	11,507
2.125" SLV	277.49	11,654
2.000" SLV	280.98	11,801
1.875" SLV	284.42	11,946
1.750" SLV	288.00	12,096
1.625" SLV	291.55	12,245
1.500 "+"P" SLV	295.23	12,400
BALL SEAT	296.62	12,458
Float Shoe	297.27	12,486

Length of Zone - FT			
Zone 1	243.76	Zone 10	229.20
Zone 2	270.70	Zone 11	227.98
Zone 3	229.80	Zone 12	229.51
Zone 4	227.07	Zone 13	228.95
Zone 5	219.18	Zone 14	221.64
Zone 6	225.75	Zone 15	231.35
Zone 7	228.56	Zone 16	229.42
Zone 8	225.17	Zone 17	229.22
Zone 9	226.26	Zone 18	226.95

S-3 LINER TOP	TVD
5,711.32	6,275.00
Casing Shoe	KOP
6,543.00	5,800.00

Dimensional Information			
Component	OD	ID	dim
S-3	5.875	3.875	in
RE Packers	5.687	4.000	in
Sleeves	5.625	Ball Seat	in

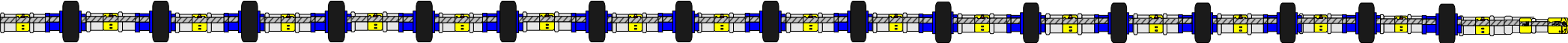


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TD	Float Shoe
10,792.00	10,779.48

Packer #19	Packer #18	Packer #17	Packer #16	Packer #15	Packer #14	Packer #13	Packer #12	Packer #11	Packer #10	Packer #9	Packer #8	Packer #7	Packer #6	Packer #5	Packer #4	Packer #3	Packer #2	Packer #1	SV Collar
6,499.58	6,641.53	6,868.48	7,097.70	7,327.12	7,558.47	7,780.11	8,009.06	8,238.57	8,466.55	8,695.75	8,922.01	9,147.18	9,375.74	9,601.49	9,820.67	10,047.74	10,277.54	10,548.24	10,738.79



Zone 18	Zone 17	Zone 16	Zone 15	Zone 14	Zone 13	Zone 12	Zone 11	Zone 10	Zone 9	Zone 8	Zone 7	Zone 6	Zone 5	Zone 4	Zone 3	Zone 2	Zone 1	1.250"
3.625" SLV	3.500" SLV	3.375" SLV	3.250" SLV	3.125" SLV	3.000" SLV	2.875" SLV	2.750" SLV	2.625" SLV	2.500" SLV	2.375" SLV	2.250" SLV	2.125" SLV	2.000" SLV	1.875" SLV	1.750" SLV	1.625" SLV	1.500 "+"P" SLV	BALL SEAT
6,772.88	7,002.60	7,231.45	7,462.38	7,691.78	7,914.20	8,143.15	8,371.56	8,600.82	8,825.84	9,051.42	9,280.91	9,506.12	9,731.15	9,952.09	10,182.49	10,411.14	10,647.82	10737.44
(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(5) 4025	
100	100	100	100	100	100	100	100	100	100	100	100	100	90	70	60	50	50	

Sleeve Shift PSI:  
Max Rate Thru Sleeve: