



**BONANZA CREEK (Antelope B11-V41-33 HNC)**

Casing Information		
7" 26# P110		
Burst=	9,960	psi
Collapse=	6,230	psi
Capacity=	0.03826	bbbls/ft

Liner, TieBack Information		
4-1/2" 11.60# P-110		
Burst=	7,780	psi
Collapse=	6,350	psi
Capacity=	0.015542	bbls/ft

Displacements	BBLs	GALS
2.625" SLV	287.31	12,067
2.500" SLV	290.43	12,198
2.375" SLV	294.25	12,358
2.250" SLV	298.08	12,519
2.125" SLV	301.21	12,651
2.000" SLV	305.05	12,812
1.875" SLV	308.18	12,944
1.750" SLV	312.02	13,105
Alpha Slv	315.16	13,237
Float Shoe	316.82	13,306

HMC/ZXP Liner Top	TVD
6,528.02	6,352.00
Casing Shoe	KOP
6,727.00	5,830.00

	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
Depth (ft):	6,803.10	7,004.57	7,251.95	7,453.35	7,700.87	7,901.82	8,150.03	8,397.57	8,599.20	8,845.50	9,046.91	9,292.02	9,492.53	9,739.73	9,940.74	10,187.90	10,389.78	10,636.82	10,795.13
Depth (ft): #	3,750' SLV 6,901.65	3,675' SLV 7,149.45	3,600' SLV 7,350.31	3,525' SLV 7,598.04	3,450' SLV 7,799.51	3,375' SLV 8,047.00	3,300' SLV 8,248.50	3,225' SLV 8,496.50	3,150' SLV 8,696.34	3,075' SLV 8,944.13	3,000' SLV 9,144.58	2,925' SLV 9,390.38	2,850' SLV 9,636.85	2,775' SLV 9,838.58	2,700' SLV 10,085.60	2,625' SLV 10,286.79	2,550' SLV 10,433.96	2,475' SLV 10,533.96	2,400' SLV 10,735.73
Sleeve Shift PSI:	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286
Max Rate Thru Sleeve (bbl/min):	100	100	100	100	100	100	100	100	100	100	100	100	100	100	90	75	65	55	55

7.5.1-1F4 Frac-Point Space Out Diagram