

WELBORE DIAGRAM

Bonanza Creek Energy

State Antelope 31-11HZ

QTRQTR

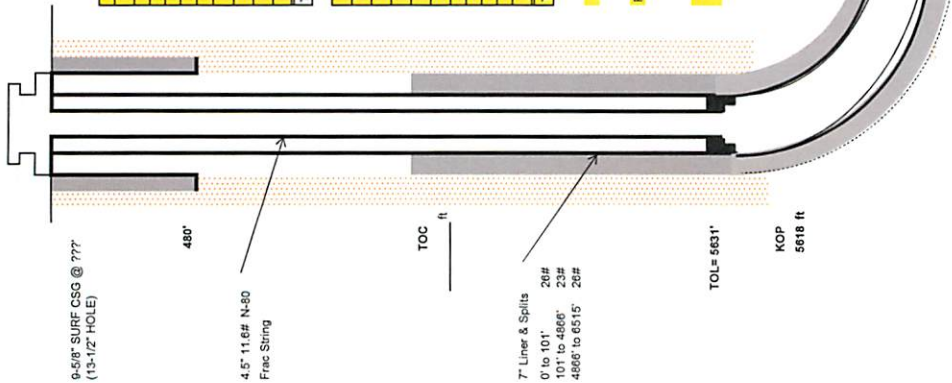
Sec T72N R77W

Weld County, CO

05-123-33847

KB Elev  
GL Elev  
KB to GL

Updated Date  
2/22/2012



Tubing String (Top Down)					
Item #	Component Description	Min ID	Length	Top MD	Bottom MD
1	KB to GL			0.00 ft	
2	Tubing, 2-7/8\" 6.5# EUE BRD				
3	Sealing Nipple, 2-7/8\"				
4	Collar, 2-7/8\"				
5	Gas Anchor, 2-7/8\" OD				
6	Tubing, 2-7/8\" 6.5# EUE BRD				
7					
8					
9					
Total Length (KB to Tubing Tail)				0.00 ft	

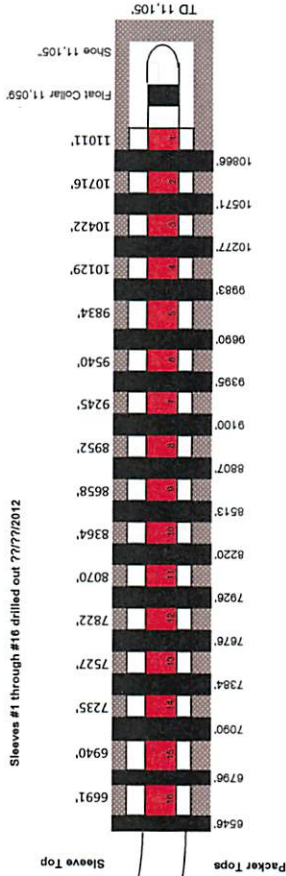
Rod Pump & Rod String (Top Down)				
Item #	Component Description	Rod Guides Used	Unit Run	Grade
1	Polish Rod, 1-1/4\" x 22'			
2	Pony Rod, 3/4\" x 2'			
3	Pony Rod, 3/4\" x 6'			
4	Sucker Rods, 3/4\" x 25'			
5	K-Bars, 1\" x 25'			
6	Pump, RHWBG, 2-1/2\" x 2' x 22'			
7	Strainer Nipple, 1-1/2\" x 22'			
8				
9				
Total Length Of Rod String (Top of Polish Rod to Top of Pump)				0.00 ft

161 lbs of 4 1/2\" 11.6# P110, 10', 6', 4', 2' pups w/ HES seal nipple @ 5385 KB w/ 45K of compression

Frac Stages 1-16 7/77/2012 - 7/77/2012 w/ 7777777777 gallons. 77777777 lbs 4070 Ottawa 77777777 lbs 2040 SB Excel

6515' 7\" 26# N-80777777 LTC CSG @ 8.75' HOLE

77777777390 lbs Versam (Vd 2.48, 12 pop, and 130 lbs Expanda Cem (Vd 1.45, 14.46 pop



Stage	Sleeve Top (ft)	Ball Size	Flush (Bbls)	Rounddown Flush (Bbls)	-30 Bbls Flush (Bbls)
1	11,011	2,307	171.11	171	141
2	10,716	2,379	166.53	166	138
3	10,422	2,452	161.96	161	131
4	10,129	2,527	157.40	157	127
5	9,834	2,603	152.82	152	122
6	9,540	2,681	148.25	148	118
7	9,245	2,761	143.67	143	113
8	8,952	2,842	139.11	139	109
9	8,658	2,925	134.55	134	104
10	8,364	3,009	129.98	129	99
11	8,070	3,104	125.41	125	95
12	7,777	3,201	121.55	121	91
13	7,484	3,301	116.97	116	86
14	7,191	3,414	112.43	112	82
15	6,898	3,531	107.85	107	77
16	6,605	3,650	103.98	103	73