

WELLBORE DIAGRAM  
 AFE 15060  
 Bonanza Creek Energy  
 State Antelope 24-1-36XRLNB  
 SHL: SESW, Sec: 1, Twp: 5N, Rng: 62W  
 358' FSL, 1411' FWL  
 BHL: NWNE, Sec: 36, Twp: 6N, Rng: 62W  
 460' FNL, 1980' FWL  
 Weld County, CO  
 05-123-41151

Updated Date  
 5/26/2015

KB Elev 4687' ft  
 GL Elev 4670' ft  
 KB to GL 17' ft

Spud Date: 3/9/2015

Surface Casing  
 9 5/8", 36#, J-55, LTC  
 427' ft

Frac String  
 4 1/2", 11.6# P-110  
 Surface to Liner Top Vol  
 99' BBL

TOC \_\_\_\_\_ ft

KOP  
 5400' ft

Liner Top  
 TOL = 6397' ft. @ 70°

Intermediate Casing  
 7", 26#, P-110, LTC  
 6723' ft.

TVD  
 6239' ft

Packer Top

Float Collar  
 15826'

Float Shoe  
 15889'

TD  
 15887'

Fault 6950' - A Marl

- A Marl -

- A Marl -

\*\*\*\* Note: Oil Swell Packers \*\*\*\*

Tubulars	Internal Yield	Safety Factor	Maxable	Capacity
9 5/8" 36# J-55	3,520	0.75	2,640	0.0773
7" 26# P-110	9,960	0.75	7,470	0.0382
4 1/2" 11.6 P-110	10,690	0.75	8,018	0.0155

Interval	Sleeve Top (Ft)	Ball Size		Measured Ball Size (in)	Rounddown	
		Composite - C Dissolvable	C		Flash (Bbls)	Flash-Stopdown (Bbls)
1	15,781	1,375	C		245	195
2	15,596	1,415	C		242	217
3	15,410	1,455	C		239	214
4	15,267	1,495	C		237	212
5	15,081	1,535	C		234	209
6	14,895	1,575	C		231	206
7	14,709	1,615	C		228	203
8	14,523	1,655	C		225	200
9	14,380	1,695	C		223	198
10	14,194	1,735	C		220	195
11	14,008	1,775	C		217	192
12	13,822	1,815	C		214	189
13	13,636	1,855	C		211	186
14	13,450	1,895	C		209	184
15	13,307	1,935	C		206	181
16	13,121	1,975	C		203	178
17	12,935	2,015	C		201	176
18	12,749	2,055	C		198	173
19	12,563	2,095	C		195	170
20	12,420	2,135	C		193	168
21	12,234	2,175	C		190	165
22	12,048	2,215	C		187	162
23	11,862	2,255	C		184	159
24	11,676	2,295	C		181	156
25	11,532	2,335	C		179	154
26	11,346	2,375	C		176	151
27	11,160	2,415	C		173	148
28	10,974	2,455	C		170	145
29	10,789	2,495	C		167	142
30	10,603	2,545	C		164	139
31	10,459	2,595	C		162	137
32	10,273	2,645	C		159	134
33	10,087	2,695	C		156	131
34	9,901	2,745	C		153	128
35	9,715	2,795	C		150	125
36	9,572	2,845	C		148	123
37	9,386	2,895	C		145	120
38	9,200	2,945	C		142	117
39	9,014	3,000	C		140	115
40	8,828	3,063	C		137	112
41	8,685	3,125	C		134	109
42	8,499	3,188	C		132	107
43	8,313	3,250	C		129	104
44	8,127	3,313	C		126	101
45	7,941	3,375	C		123	98
46	7,755	3,438	C		120	95
47	7,612	3,500	C		118	93
48	7,427	3,563	C		115	90
49	7,241	3,625	C		112	87
50	7,055	3,688	C		109	84
51	6,869	3,750	C		106	81

Baker Hughes Liner & Sleeves w/ 4.5", 11.6# P-110

