



CLIENT: EXTRACTION
WELL: UNITED A S16-20-10C
COUNTY: BROOMFIELD
RIG: ENSIGN 147
VERTICAL SECTION : 188.35

M.W.D. OPERATORS: T. BACA/ J.FROST
DIRECTIONAL DRILLER: EXTRACTION
TOOL AZM TO TRUE NORTH: 8.24
JOB #: RM-200318

Survey #	Survey Depth (FT.)	Inclination (Deg)	Azimuth (Deg)	T.V.D. (FT.)	Vertical Section (FT.)	N/-S (FT.)	E / -W (FT.)	Dog Leg (Deg.)
Tie In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
# 1	134	0.65	297.40	134.00	-0.25	0.35	-0.67	0.49
# 2	226	0.83	287.56	225.99	-0.53	0.79	-1.77	0.24
# 3	317	0.96	290.80	316.98	-0.79	1.26	-3.11	0.15
# 4	406	1.14	278.24	405.96	-0.95	1.65	-4.69	0.33
# 5	496	1.45	298.92	495.94	-1.35	2.33	-6.57	0.62
# 6	585	0.48	214.69	584.93	-1.41	2.57	-7.77	1.66
# 7	674	1.14	160.73	673.92	-0.30	1.43	-7.69	1.06
# 8	764	1.66	152.73	763.89	1.56	-0.58	-6.80	0.62
# 9	853	0.35	172.59	852.88	2.87	-1.99	-6.17	1.50
# 10	942	0.08	57.63	941.88	3.09	-2.23	-6.08	0.44
# 11	1,032	0.43	92.96	1,031.88	3.02	-2.21	-5.69	0.41
# 12	1,121	0.52	71.96	1,120.87	2.80	-2.10	-4.97	0.22
# 13	1,210	0.52	94.28	1,209.87	2.60	-2.01	-4.19	0.23
# 14	1,299	1.66	330.35	1,298.86	1.55	-0.92	-4.42	2.24
# 15	1,389	1.93	335.36	1,388.82	-0.75	1.59	-5.70	0.35
# 16	1,479	2.46	331.85	1,478.75	-3.57	4.67	-7.24	0.61
# 17	1,580	3.12	331.23	1,579.63	-7.50	8.99	-9.59	0.65
PTB	1,640	3.12	331.23	1,639.54	-10.11	11.85	-11.16	0.00



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