



CLIENT: EXTRACTION OIL & GAS
 WELL: UNITED B S16-20-16C
 COUNTY: BROOMFIELD
 RIG: ENSIGN 147

M.W.D. OPERATORS: J.FROST / T.BACA
 DIRECTIONAL DRILLER: EXTRACTION (JASON)
 TOOL AZM TO TRUE NORTH: 8.24
 JOB #: RM-200339

VERTICAL SECTION : 180.92

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	135	0.83	204.67	135.00	0.89	-0.89	-0.41	0.61
# 2	227	0.35	311.11	226.99	1.32	-1.31	-0.90	1.07
# 3	318	0.21	318.40	317.99	1.02	-1.00	-1.22	0.16
# 4	407	0.39	317.52	406.99	0.68	-0.66	-1.53	0.20
# 5	496	0.61	321.04	495.99	0.10	-0.06	-2.03	0.25
# 6	586	0.74	340.29	585.98	-0.81	0.85	-2.53	0.29
# 7	675	1.40	330.00	674.96	-2.28	2.34	-3.27	0.77
# 8	764	0.65	292.21	763.95	-3.40	3.47	-4.28	1.09
# 9	854	0.52	303.02	853.95	-3.80	3.89	-5.09	0.19
# 10	943	1.05	283.77	942.94	-4.20	4.30	-6.22	0.66
# 11	1,033	1.31	11.05	1,032.92	-5.40	5.51	-6.83	1.82
# 12	1,121	1.65	34.07	1,120.89	-7.45	7.54	-5.93	0.77
# 13	1,211	2.41	351.01	1,210.84	-10.40	10.49	-5.50	1.83
# 14	1,300	3.55	333.78	1,299.72	-14.69	14.81	-7.01	1.62
# 15	1,390	4.04	332.82	1,389.52	-19.97	20.13	-9.69	0.55
# 16	1,480	3.99	330.97	1,479.30	-25.48	25.68	-12.65	0.15
# 17	1,569	4.08	339.85	1,568.08	-31.11	31.36	-15.25	0.71
PTB	1,629	4.08	339.85	1,627.93	-35.10	35.37	-16.72	0.00



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