



CLIENT: EXTRACTION OIL & GAS
 WELL: RINN VALLEY WEST 18N-25-8C(123-49141)
 COUNTY: WELD
 RIG: ENSIGN 147

M.W.D. OPERATORS: J.FROST / T.BACA
 DIRECTIONAL DRILLER: EXTRACTION (DARREL)
 TOOL AZM TO TRUE NORTH: 8.26
 JOB #: RM-200353

Vertical Section : 353.04

KB: 27 FEET

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	139	0.96	210.05	138.99	-0.93	-1.01	-0.58	0.69
# 2	231	1.05	197.40	230.98	-2.31	-2.48	-1.22	0.26
# 3	322	1.05	190.54	321.96	-3.87	-4.09	-1.62	0.14
# 4	411	0.39	179.55	410.96	-4.95	-5.20	-1.77	0.75
# 5	501	0.26	137.02	500.96	-5.42	-5.66	-1.63	0.29
# 6	590	0.61	145.19	589.95	-6.00	-6.19	-1.22	0.40
# 7	679	0.57	149.67	678.95	-6.82	-6.96	-0.73	0.07
# 8	768	0.57	140.44	767.94	-7.60	-7.69	-0.22	0.10
# 9	858	0.48	117.86	857.94	-8.20	-8.21	0.40	0.25
# 10	947	1.31	244.94	946.93	-8.72	-8.81	-0.19	1.85
# 11	1,037	3.29	263.31	1,036.86	-9.03	-9.55	-3.69	2.32
# 12	1,126	5.44	264.81	1,125.59	-8.89	-10.23	-10.43	2.42
# 13	1,215	6.98	263.14	1,214.07	-8.75	-11.26	-20.00	1.74
# 14	1,304	8.87	258.13	1,302.22	-9.33	-13.31	-32.09	2.26
# 15	1,394	10.72	255.67	1,390.90	-11.00	-16.81	-46.99	2.11
# 16	1,484	12.34	254.00	1,479.08	-13.58	-21.54	-64.34	1.84
# 17	1,564	13.75	255.67	1,557.02	-16.14	-26.25	-81.77	1.82
PTB	1,619	13.75	255.67	1,610.44	-17.82	-29.48	-94.44	0.00



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