



CLIENT: EXTRACTION OIL & GAS

M.W.D. OPERATORS: J.FROST / T.BACA

WELL: RINN VALLEY WEST 18N-25-9N(123-47472)

DIRECTIONAL DRILLER: EXTRACTION (DARREL)

COUNTY: WELD

TOOL AZM TO TRUE NORTH: 8.26

RIG: ENSIGN 147

JOB #: RM-200354

Vertical Section : 351.91

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	1.23	144.14	138.99	-1.32	-1.21	0.87	0.88
# 2	231	1.45	149.14	230.96	-3.27	-3.01	2.05	0.27
# 3	322	0.40	104.41	321.95	-4.45	-4.08	2.95	1.32
# 4	411	0.09	98.26	410.95	-4.59	-4.16	3.32	0.35
# 5	501	0.35	81.03	500.95	-4.60	-4.13	3.66	0.29
# 6	590	0.35	340.13	589.95	-4.33	-3.83	3.84	0.61
# 7	679	0.66	313.15	678.95	-3.67	-3.23	3.37	0.43
# 8	768	0.62	338.38	767.94	-2.80	-2.43	2.82	0.32
# 9	858	2.37	336.18	857.91	-0.54	-0.27	1.89	1.95
# 10	947	4.48	333.02	946.74	4.52	4.51	-0.43	2.38
# 11	1,037	6.15	332.31	1,036.35	12.39	11.91	-4.27	1.86
# 12	1,126	7.82	326.07	1,124.69	22.33	21.16	-9.86	2.06
# 13	1,215	9.18	321.24	1,212.71	33.89	31.72	-17.69	1.72
# 14	1,304	11.21	319.04	1,300.30	47.26	43.79	-27.81	2.32
# 15	1,394	12.70	318.60	1,388.35	62.88	57.81	-40.08	1.66
# 16	1,484	14.37	318.07	1,475.84	80.43	73.55	-54.09	1.86
# 17	1,555	15.73	318.95	1,544.41	95.82	87.36	-66.30	1.94
PTB	1,610	15.73	318.95	1,597.35	108.33	98.60	-76.09	0.00



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