



CLIENT: EXTRACTION OIL & GAS
WELL: UNITED B S16-20-17N
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-200340

VERTICAL SECTION : 179.40

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	0.52	12.98	135.00	-0.60	0.60	0.14	0.39
# 2	227	0.74	49.98	226.99	-1.38	1.39	0.69	0.49
# 3	318	0.83	59.66	317.98	-2.08	2.10	1.71	0.18
# 4	407	0.79	63.96	406.98	-2.66	2.69	2.81	0.08
# 5	496	0.97	68.27	495.96	-3.20	3.24	4.06	0.22
# 6	586	0.79	61.06	585.95	-3.77	3.82	5.31	0.23
# 7	675	0.79	31.18	674.95	-4.58	4.64	6.17	0.46
# 8	764	1.01	21.07	763.94	-5.83	5.90	6.77	0.30
# 9	854	1.23	20.98	853.92	-7.47	7.54	7.40	0.24
# 10	943	1.89	24.41	942.88	-9.68	9.77	8.35	0.75
# 11	1,033	1.80	346.62	1,032.84	-12.41	12.50	8.63	1.33
# 12	1,121	2.59	341.61	1,120.78	-15.65	15.73	7.69	0.92
# 13	1,211	2.64	345.04	1,210.68	-19.59	19.66	6.51	0.18
# 14	1,300	2.81	348.64	1,299.58	-23.72	23.78	5.55	0.27
# 15	1,390	3.34	350.75	1,389.45	-28.48	28.53	4.70	0.60
# 16	1,480	3.91	350.84	1,479.27	-34.11	34.15	3.79	0.63
# 17	1,565	4.35	350.31	1,564.05	-40.16	40.19	2.78	0.52
PTB	1,625	4.35	350.31	1,623.88	-44.65	44.67	2.02	0.00



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