

Minimun Curvature Calculation

Client: CARTEL**MWD Operators:** JW JACKSON**Well:** PRONGHORN K-5 FED 32N-12-01**Directional Drillers:** BREVEN WILLIAMS**County:** WELD**Correction to True North:** 7.21**Rig:** TRIDENT 15**RKB:** 14.00**Job #:** RE1113241-1**VS Azimuth:** 337.88**API#:** 05-123-51210

Hole Depth	Survey Depth	INC	AZM	TVD	+N/-S	+E/-W	VS	DLS	Date & time
Tie-In	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
162	105	0.90	328.10	105.00	0.70	-0.44	0.81	0.86	14-Nov-2024 5:05 AM
254	197	1.30	306.00	196.98	1.93	-1.66	2.41	0.63	14-Nov-2024 6:14 AM
345	288	2.80	282.30	287.92	3.01	-4.67	4.54	1.86	14-Nov-2024 7:03 AM
420	363	4.80	277.20	362.75	3.79	-9.57	7.12	2.70	14-Nov-2024 7:27 AM
553	496	8.00	270.40	494.91	4.55	-24.35	13.39	2.47	14-Nov-2024 8:02 AM
684	627	11.40	274.50	624.02	5.63	-46.38	22.68	2.65	14-Nov-2024 8:32 AM
817	760	13.90	270.90	753.78	6.92	-75.46	34.82	1.97	14-Nov-2024 9:11 AM
949	892	16.70	275.10	881.09	8.85	-110.21	49.70	2.28	14-Nov-2024 9:35 AM
1080	1023	21.60	275.00	1004.81	12.63	-153.01	69.31	3.74	14-Nov-2024 10:16 AM
1271	1154	24.40	274.20	1125.38	16.71	-204.03	92.31	2.15	14-Nov-2024 10:56 AM
1344	1287	26.70	274.90	1245.37	21.28	-261.20	118.07	1.74	14-Nov-2024 11:27 AM
1475	1418	29.80	274.60	1360.75	26.40	-322.99	146.08	2.37	14-Nov-2024 11:46 AM
1611	1554	33.00	274.60	1476.82	32.08	-393.61	177.93	2.35	14-Nov-2024 12:18 PM
1741	1684	31.80	273.40	1586.58	36.96	-463.09	208.61	1.05	14-Nov-2024 1:01 PM
PTB	1746	31.80	273.40	1639.27	38.89	-495.70	222.69	0.00	

Last Survey is a Projection to Bit

