



K. P. Kauffman Company, Inc.

NRC #9-9-15H REV

NESE section 9-T1N-R67W

Weld Co., Colorado

Horizontal wellbore plot

# Well Plan

Well Name	Vertical Section Azimuth	Units
NRC #9-9-15H	231.81	ft,°/100ft

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MD*	INC*	AZI*	TVD*	N*	E*	DLS*	Vert. Sec.*	Description	Reference Note
0.00	0.00	0.0	0.00	0.00	0.00		0.00	tie point RKB	
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00	vertical	
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00	vertical	
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00	vertical	
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00	vertical	
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00	vertical	
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00	vertical	
700.00	0.00	0.0	700.00	0.00	0.00	0.00	0.00	vertical	
800.00	0.00	0.0	800.00	0.00	0.00	0.00	0.00	vertical	
900.00	0.00	0.0	900.00	0.00	0.00	0.00	0.00	vertical	
1000.00	0.00	0.0	1000.00	0.00	0.00	0.00	0.00	vertical	
1100.00	0.00	0.0	1100.00	0.00	0.00	0.00	0.00	vertical	
1200.00	0.00	0.0	1200.00	0.00	0.00	0.00	0.00	vertical	
1300.00	0.00	0.0	1300.00	0.00	0.00	0.00	0.00	vertical	
1400.00	0.00	0.0	1400.00	0.00	0.00	0.00	0.00	vertical	
1500.00	0.00	0.0	1500.00	0.00	0.00	0.00	0.00	vertical	
1600.00	0.00	0.0	1600.00	0.00	0.00	0.00	0.00	vertical	
1700.00	0.00	0.0	1700.00	0.00	0.00	0.00	0.00	vertical	
1800.00	0.00	0.0	1800.00	0.00	0.00	0.00	0.00	vertical	
1900.00	0.00	0.0	1900.00	0.00	0.00	0.00	0.00	vertical	
2000.00	0.00	0.0	2000.00	0.00	0.00	0.00	0.00	vertical	
2100.00	0.00	0.0	2100.00	0.00	0.00	0.00	0.00	vertical	
2200.00	0.00	0.0	2200.00	0.00	0.00	0.00	0.00	vertical	
2300.00	0.00	0.0	2300.00	0.00	0.00	0.00	0.00	vertical	
2400.00	0.00	0.0	2400.00	0.00	0.00	0.00	0.00	vertical	
2500.00	0.00	0.0	2500.00	0.00	0.00	0.00	0.00	vertical	
2600.00	0.00	0.0	2600.00	0.00	0.00	0.00	0.00	vertical	
2700.00	0.00	0.0	2700.00	0.00	0.00	0.00	0.00	vertical	
2800.00	0.00	0.0	2800.00	0.00	0.00	0.00	0.00	vertical	

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	Vert. Sec.*	Description	Reference Note
2900.00	0.00	0.0	2900.00	0.00	0.00	0.00	0.00	vertical	
3000.00	0.00	0.0	3000.00	0.00	0.00	0.00	0.00	vertical	
3100.00	0.00	0.0	3100.00	0.00	0.00	0.00	0.00	vertical	
3200.00	0.00	0.0	3200.00	0.00	0.00	0.00	0.00	vertical	
3300.00	0.00	0.0	3300.00	0.00	0.00	0.00	0.00	vertical	
3400.00	0.00	0.0	3400.00	0.00	0.00	0.00	0.00	vertical	
3500.00	0.00	0.0	3500.00	0.00	0.00	0.00	0.00	vertical	
3600.00	0.00	0.0	3600.00	0.00	0.00	0.00	0.00	vertical	
3700.00	0.00	0.0	3700.00	0.00	0.00	0.00	0.00	vertical	
3800.00	0.00	0.0	3800.00	0.00	0.00	0.00	0.00	vertical	
3900.00	0.00	0.0	3900.00	0.00	0.00	0.00	0.00	End vertical KOP	
4000.00	5.49	231.8	3999.85	-2.96	-3.76	5.49	4.79	build	
4100.00	10.98	231.8	4098.78	-11.81	-15.02	5.49	19.11	build	
4200.00	16.47	231.8	4195.89	-26.47	-33.66	5.49	42.82	build	
4300.00	21.96	231.8	4290.28	-46.81	-59.52	5.49	75.72	build	
4400.00	27.45	231.8	4381.09	-72.64	-92.35	5.49	117.50	build	
4500.00	32.94	231.8	4467.49	-103.73	-131.87	5.49	167.77	build	
4600.00	38.43	231.8	4548.68	-139.78	-177.70	5.49	226.09	build	
4700.00	43.92	231.8	4623.92	-180.46	-229.43	5.49	291.90	build	
4756.10	47.00	231.8	4663.27	-205.18	-260.85	5.49	331.88	End build TOP OF BUILD	
4800.00	56.44	231.8	4690.43	-226.48	-287.89	21.50	366.30	build/left	
4900.00	77.94	231.7	4728.98	-283.26	-359.82	21.50	457.94	build/left	
4951.78	89.07	231.6	4734.83	-315.14	-400.10	21.50	509.31	End build/left	
5000.00	89.07	231.6	4735.61	-345.07	-437.90	0.00	557.52	horizontal	
5100.00	89.07	231.6	4737.23	-407.14	-516.29	0.00	657.50	horizontal	
5200.00	89.07	231.6	4738.85	-469.21	-594.67	0.00	757.49	horizontal	
5300.00	89.07	231.6	4740.47	-531.28	-673.06	0.00	857.48	horizontal	
5400.00	89.07	231.6	4742.09	-593.35	-751.45	0.00	957.46	horizontal	
5500.00	89.07	231.6	4743.71	-655.42	-829.84	0.00	1057.45	horizontal	
5600.00	89.07	231.6	4745.34	-717.49	-908.22	0.00	1157.44	horizontal	
5700.00	89.07	231.6	4746.96	-779.56	-986.61	0.00	1257.42	horizontal	

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	Vert. Sec.*	Description	Reference Note
5800.00	89.07	231.6	4748.58	-841.63	-1065.00	0.00	1357.41	horizontal	
5900.00	89.07	231.6	4750.20	-903.70	-1143.39	0.00	1457.39	horizontal	
6000.00	89.07	231.6	4751.82	-965.77	-1221.77	0.00	1557.38	horizontal	
6100.00	89.07	231.6	4753.44	-1027.84	-1300.16	0.00	1657.37	horizontal	
6196.11	89.07	231.6	4755.00	-1087.50	-1375.50	0.00	1753.46	End horizontal	TOP OF LOWER BUILD
6200.00	89.25	231.7	4755.06	-1089.91	-1378.55	4.75	1757.35	build/right	
6216.05	90.00	231.8	4755.16	-1099.85	-1391.15	4.75	1773.41	End build/right	TURN INTO TARGET
6300.00	90.00	231.8	4755.16	-1151.75	-1457.13	0.00	1857.35	horizontal	
6316.05	90.00	231.8	4755.16	-1161.68	-1469.75	0.00	1873.41	End horizontal	HORIZONTAL TO TD