



COATES, A.B. "C" # 15

Denver Region

Estimate: 693025

Sur 8 - 620/S & 1980/E
BKL P - 1267/S & 719/E
24-253-372 API# 30-025-11728

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Lateral: 0

Proposed Direction: 64.27

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
101	0.47	278.27	100.50	0.06	-0.41	-0.34	0.47	
201	0.36	247.71	200.70	0.00	-1.11	-1.00	0.24	
301	0.38	239.93	300.99	-0.29	-1.69	-1.64	0.05	
401	0.40	251.90	400.79	-0.56	-2.30	-2.32	0.08	
500	0.45	249.37	499.99	-0.81	-3.00	-3.05	0.05	
601	0.34	232.70	600.49	-1.13	-3.60	-3.73	0.16	
701	0.30	215.28	700.79	-1.52	-3.99	-4.26	0.10	
801	0.38	130.09	800.48	-1.95	-3.89	-4.35	0.47	
901	0.65	107.74	900.98	-2.33	-3.09	-3.80	0.33	
1001	0.78	107.39	1000.47	-2.71	-1.91	-2.89	0.13	GYRO
1100	0.77	102.80	1100.36	-3.06	-0.60	-1.87	0.06	
1200	0.75	97.50	1200.15	-3.29	0.70	-0.80	0.07	
1300	0.85	89.01	1299.94	-3.37	2.09	0.42	0.16	
1401	1.04	92.19	1400.63	-3.39	3.75	1.90	0.20	
1500	1.25	89.05	1500.31	-3.41	5.74	3.69	0.22	
1601	1.58	82.37	1600.78	-3.20	8.21	6.00	0.37	
1700	1.99	71.09	1700.13	-2.46	11.20	9.02	0.54	
1800	2.22	68.92	1800.06	-1.20	14.65	12.67	0.24	
1901	2.29	71.13	1900.89	0.15	18.38	16.62	0.11	GYRO
2000	2.24	73.03	1999.71	1.35	22.10	20.49	0.09	
2100	2.19	75.93	2099.93	2.39	25.83	24.31	0.12	
2200	1.89	78.38	2199.47	3.19	29.28	27.76	0.31	
2301	1.46	87.66	2300.53	3.57	32.20	30.56	0.50	
2401	1.07	101.17	2400.80	3.45	34.40	32.48	0.49	
2500	0.66	113.29	2499.79	3.04	35.83	33.60	0.45	
2600	0.50	112.55	2599.69	2.65	36.76	34.27	0.16	
2701	0.34	130.57	2700.28	2.28	37.39	34.68	0.20	
2801	0.25	131.24	2800.48	1.95	37.78	34.88	0.09	
2901	0.07	166.51	2900.18	1.74	37.96	34.95	0.20	
3001	0.12	276.31	3000.08	1.70	37.87	34.85	0.16	GYRO
3100	0.31	289.87	3099.48	1.80	37.52	34.58	0.20	
3201	0.32	274.13	3199.88	1.91	36.98	34.14	0.09	
3301	0.19	253.31	3299.88	1.88	36.54	33.74	0.16	
3401	0.25	283.25	3400.68	1.89	36.17	33.40	0.13	
3501	0.48	305.46	3500.18	2.18	35.62	33.03	0.27	
3601	0.38	308.55	3600.07	2.63	35.02	32.69	0.10	
3700	0.46	301.27	3699.77	3.04	34.42	32.33	0.10	
3801	0.50	313.29	3800.37	3.55	33.75	31.95	0.11	
3900	0.43	301.20	3899.36	4.04	33.12	31.59	0.12	
4002	0.55	305.02	4000.86	4.52	32.40	31.14	0.12	GYRO
4100	0.39	3.59	4099.66	5.12	32.03	31.08	0.49	
4201	0.36	18.51	4200.26	5.77	32.15	31.47	0.10	
4301	0.44	23.83	4300.05	6.41	32.40	31.98	0.09	
4401	0.46	7.77	4400.25	7.16	32.61	32.49	0.13	
4500	0.44	28.97	4499.45	7.89	32.85	33.02	0.17	
4601	0.47	359.98	4600.24	8.64	33.04	33.52	0.23	
4700	0.46	28.39	4699.54	9.40	33.23	34.02	0.23	
4800	0.53	16.02	4799.74	10.20	33.55	34.65	0.13	
4901	0.45	0.79	4900.13	11.04	33.68	35.14	0.15	
5000	0.35	12.00	4999.53	11.73	33.75	35.50	0.13	GYRO
5100	0.41	6.94	5099.73	12.38	33.86	35.88	0.07	

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5200	0.28	338.69	5199.73	12.97	33.81	36.09	0.21
5301	0.25	4.07	5300.23	13.41	33.74	36.22	0.12
5400	0.38	357.72	5399.62	13.96	33.74	36.46	0.14
5501	0.20	319.30	5499.82	14.42	33.61	36.54	0.26
5601	0.11	289.15	5600.72	14.59	33.41	36.43	0.12
5700	0.15	261.15	5699.72	14.60	33.19	36.24	0.07
5801	0.06	268.71	5800.42	14.58	33.01	36.06	0.09
5901	0.15	267.77	5900.12	14.57	32.82	35.90	0.09
6001	0.04	246.13	5999.92	14.55	32.66	35.74	0.11GYRO
6101	0.18	255.54	6099.82	14.50	32.48	35.55	0.14
6200	0.13	247.05	6199.52	14.42	32.22	35.29	0.06
6270	0.28	270.22	6269.32	14.39	31.98	35.05	0.24GYRO
6297	3.20	62.00	6296.31	14.74	32.58	35.75	12.78
6300	4.00	62.00	6299.30	14.83	32.74	35.94	26.67
6305	5.60	62.00	6304.28	15.03	33.11	36.35	32.00
6310	7.30	62.00	6309.25	15.29	33.61	36.92	34.00
6320	11.00	61.00	6319.12	16.05	35.01	38.50	37.03
6330	14.90	61.00	6328.87	17.14	36.97	40.74	39.00
6340	18.90	60.00	6338.43	18.57	39.49	43.64	40.10GYRO
6350	22.70	58.30	6347.78	20.40	42.54	47.18	38.47MWD
6360	26.70	57.40	6356.86	22.62	46.07	51.33	40.18
6370	30.60	56.60	6365.64	25.23	50.09	56.08	39.19
6376	33.30	59.00	6370.68	26.62	53.09	59.38	40.02MWD
6380	34.50	55.60	6374.07	28.24	54.56	61.41	39.37
6390	38.50	55.30	6382.10	31.61	59.45	67.28	40.04
6400	42.40	55.80	6389.71	35.28	64.80	73.69	39.13
6410	46.40	56.60	6396.85	39.17	70.62	80.62	40.39
6420	50.50	57.70	6403.49	43.22	76.90	88.04	41.82
6430	54.60	59.00	6409.56	47.39	83.66	95.94	42.28
6440	58.50	59.00	6415.08	51.68	90.81	104.25	39.00
6450	62.50	59.30	6420.00	56.14	98.28	112.91	40.09MWD
6469	70.30	59.50	6427.60	65.00	113.26	130.25	41.06
6489	77.80	59.40	6433.09	74.77	129.81	149.40	37.50
6505	78.70	61.70	6436.35	82.47	143.45	165.03	15.16
6522	78.70	63.50	6439.68	90.14	158.25	181.69	10.38MWD
6540	79.20	65.00	6443.06	97.87	174.14	199.37	9.36MWD
6553	78.40	63.40	6445.84	103.72	185.43	212.07	1.02
6584	78.50	63.50	6452.04	117.30	212.60	242.44	0.45
6616	79.50	64.60	6458.15	131.04	240.84	273.85	4.60
6647	79.80	64.60	6463.72	144.12	268.39	304.34	0.97MWD
6679	79.70	64.40	6469.41	157.68	296.81	335.83	0.69
6709	79.60	64.60	6474.80	170.38	323.45	365.34	0.74
6741	79.50	65.40	6480.61	183.68	351.97	396.81	2.48
6772	79.60	65.40	6486.23	196.37	379.69	427.29	0.32
6804	79.70	65.40	6491.98	209.48	408.31	458.76	0.31MWD
6840	79.30	65.60	6498.54	224.16	440.52	494.15	1.24
6869	80.40	65.60	6503.65	235.95	466.51	522.69	3.79
6900	80.00	65.30	6508.93	248.64	494.30	553.23	1.60MWD
6932	79.50	65.00	6514.62	261.87	522.87	584.72	1.81
6962	79.70	64.40	6520.04	274.48	549.55	614.22	2.08
6998	79.30	64.30	6526.60	289.81	581.46	649.62	1.14
7025	79.60	64.20	6531.54	301.34	605.37	676.16	1.17MWD
7057	83.00	65.00	6536.38	314.90	633.94	707.79	10.91
7090	86.70	66.00	6539.34	328.53	663.84	740.64	11.61
7122	88.20	66.30	6540.76	341.46	693.08	772.59	4.78

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7153	86.40	65.50	6542.22	354.10	721.34	803.55	6.35MWD
7185	86.20	65.30	6544.29	367.39	750.38	835.47	0.88MWD
7217	90.80	65.80	6545.13	380.63	779.49	867.45	14.46
7249	91.60	65.30	6544.46	393.87	808.61	899.43	2.95
7280	91.90	65.00	6543.51	406.89	836.73	930.41	1.37
7315	92.50	64.90	6542.17	421.70	868.41	965.38	1.74
7344	93.10	64.30	6540.75	434.12	894.58	994.35	2.92MWD
7375	95.10	64.60	6538.53	447.46	922.47	1025.27	6.52
7405	96.20	64.60	6535.58	460.26	949.44	1055.12	3.67
7436	96.40	64.40	6532.18	473.53	977.25	1085.93	0.91
7468	98.90	65.00	6527.92	487.08	1005.92	1117.64	8.03
7501	98.90	64.50	6522.81	500.99	1035.41	1150.25	1.50
7533	100.70	65.30	6517.37	514.37	1063.97	1181.78	6.14
7565	102.60	65.30	6510.91	527.46	1092.44	1213.11	5.94
7596	105.40	64.50	6503.41	540.22	1119.67	1243.18	9.37
7628	107.80	65.10	6494.26	553.28	1147.42	1273.85	7.71
7659	108.30	65.00	6484.66	565.71	1174.14	1303.32	1.64
7691	107.10	64.50	6474.93	578.71	1201.71	1333.80	4.03
7720	106.80	64.80	6466.48	590.59	1226.78	1361.54	1.43
7760	106.80	64.80	6454.91	606.89	1261.43	1399.83	0.00