

BAKER HUGHES										Realtime Log									
<div>Scale: 1:240</div> <div>True Vertical Depth</div>										Natural Formation Evaluation Gamma Ray									
										Company: Anadarko									
										Well: D&C Farms 35C-33HZ									
										Field: Weld County (Kerr McGee)									
Status: Final Print										Surface Location: Latitude: 40° 1' 0.638" N Longitude: 104° 53' 50.118" W					Other Services: Directional				
API Number: 051233789200										SEC: 28 TWN: 1N RGE: 67W									
Permanent Datum (P.D.): Ground Level										Elevation: 5010.00 ft.									
Log Measured From: Rig Floor										16.00 ft. Above P.D.									
Depth Reference: Driller's Depth										KB: Elevations: N/A DF: 5026.00 ft. GL: 5010.00 ft.									
Interval Logged										Dates					Magnetic Field Reference				
Top: 7169.0 ft. Date From: 09/Oct/13										Dip Angle: 66.31 °					Azi Reference North: True				
Bottom: 12849.0 ft. Date To: 14/Oct/14										Total					Mag to Reference				
Spud Date: 08/Oct/13										Field Strength: 52716.0 nT					North Correction: 8.46 °				
Borehole Record										Casing Record									
Hole Size	From	To	Size	Weight	From	To													
8.750 in.	1031.0 ft.	8109.0 ft.	9.625 in.	36.00 lb/ft	Surface	1021.0 ft.													
6.125 in.	8109.0 ft.	12889.0 ft.	7.000 in.	26.00 lb/ft	Surface	8090.0 ft.													

Mud Properties Record

Date / Time		LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (cp)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
08/Oct/2013	18:00	1	2121.0	Drill Water	8.5	1	9.1	N/A	0.0/98.5	Flowline	1200	N/A
09/Oct/2013	18:00	1	7099.0	LSND	9.7	11	8.5	N/A	1.0/91.5	Active Pit	1200	N/A

Mnemonics

Curve	Description	Units
ROPA	Rate of Penetration, 3.0 ft. Avg.	ft/hr
GRAX	Gamma Ray Apparent, 0.5 ft. Avg.	API
TCDX	Downhole Temperature	degF
WOBA	Weight On Bit, 1.0 ft. Avg.	kLbs

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (ft.)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	12546344	Directional	58.78	6.750	3.250
1	SRIG	12131378	Gamma	55.41	6.750	3.250
2	DIR	12546344	Directional	54.45	6.750	3.250
2	SRIG	12131378	Gamma	51.08	6.750	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
DIR	Directional	Wellbore directional survey
SRIG	Inclination and Gamma	Probe based gamma ray and inclination module

Comments

(1) Baker Hughes INTEQ runs 1 and 2 utilized 6 3/4 inch NaviGamma (Gamma Ray and Directional) behind a 8 3/4 inch bit and steerable assembly from 7225 feet to 8109 feet MD (7174 feet to 7777 feet TVD).

Remarks

Number	Measured Depth (ft.)	Hole Section (in.)	LWD Run No.	Remark
1	7034	8.750	1	The Interval from surface to 7169 feet MD (7118 feet TVD) was not logged since logging services began at the kick off point.
2	7818	8.750	1	The interval from 7784 feet to 7841 feet MD (7676 feet to 7711 feet TVD) was logged up to 12 hours after being drilled due to trip out of hole to pick up a new motor so better build rates could be achieved in the curve.
3	8078	8.750	2	The interval from 8054 feet to 8109 feet MD (7775 feet to 7777 feet TVD) was logged up to 12 hours after being drilled due to trip out of hole for casing and cementing operations.

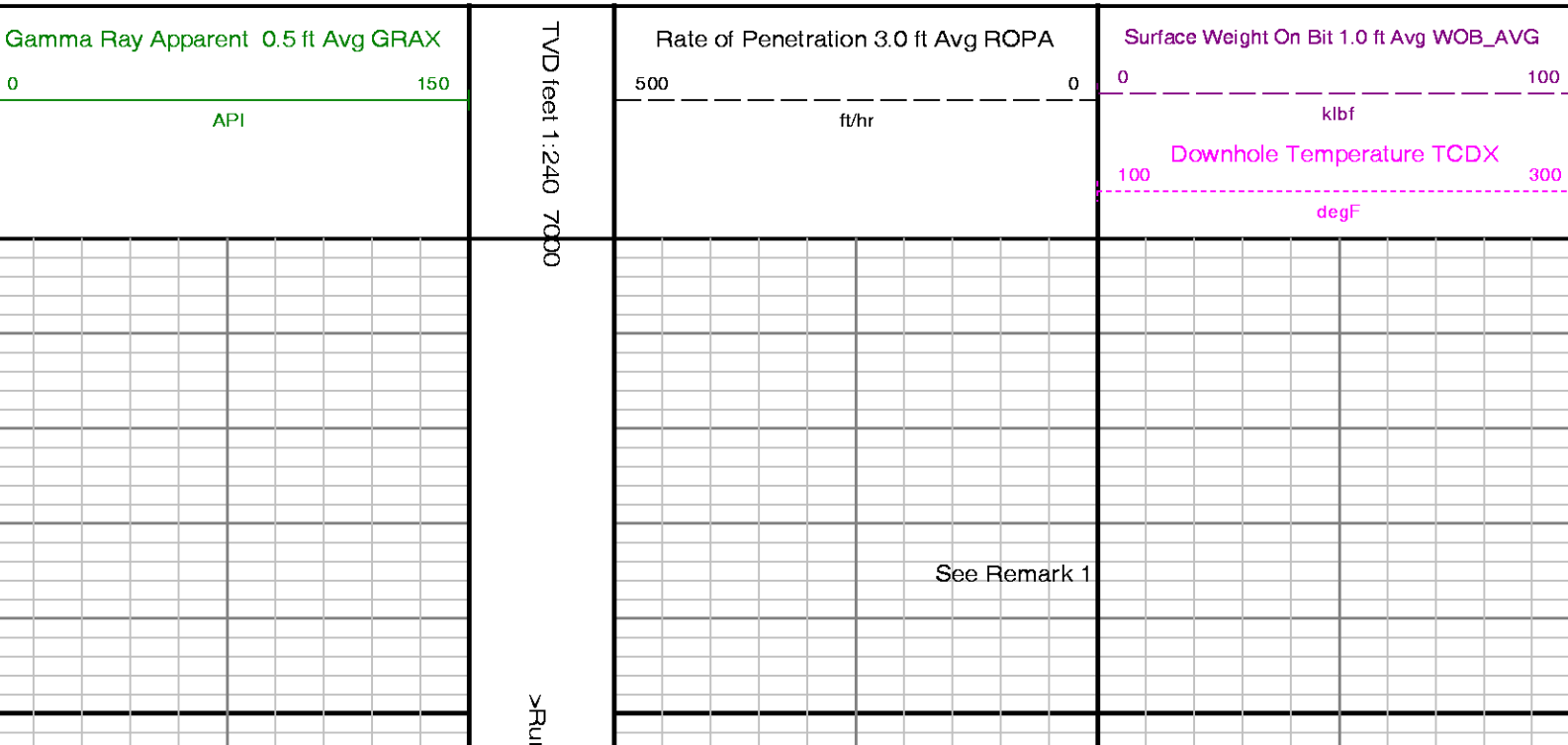


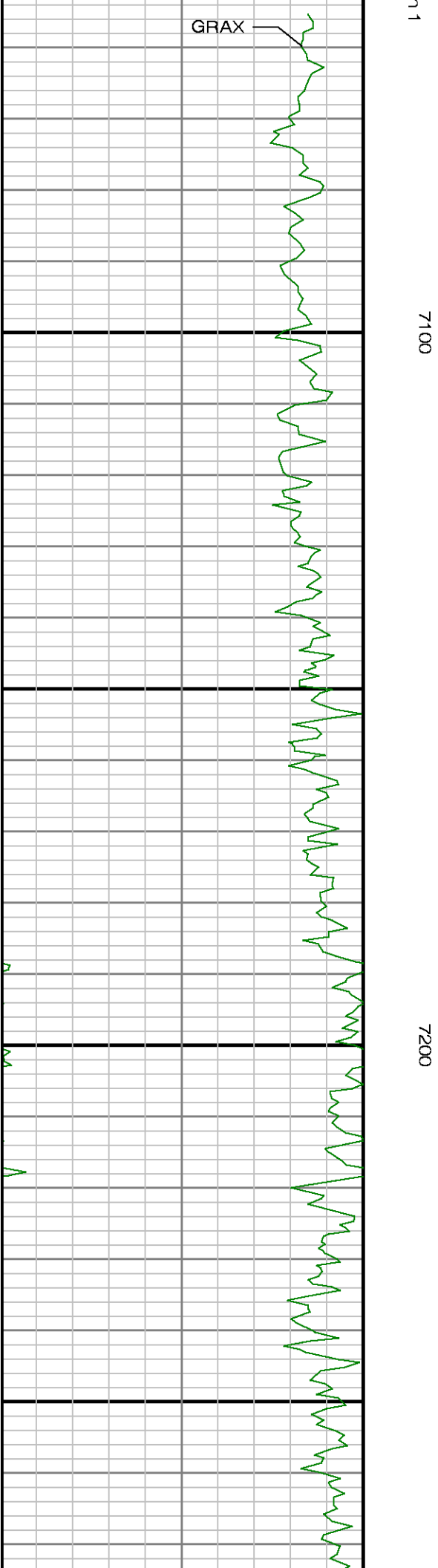
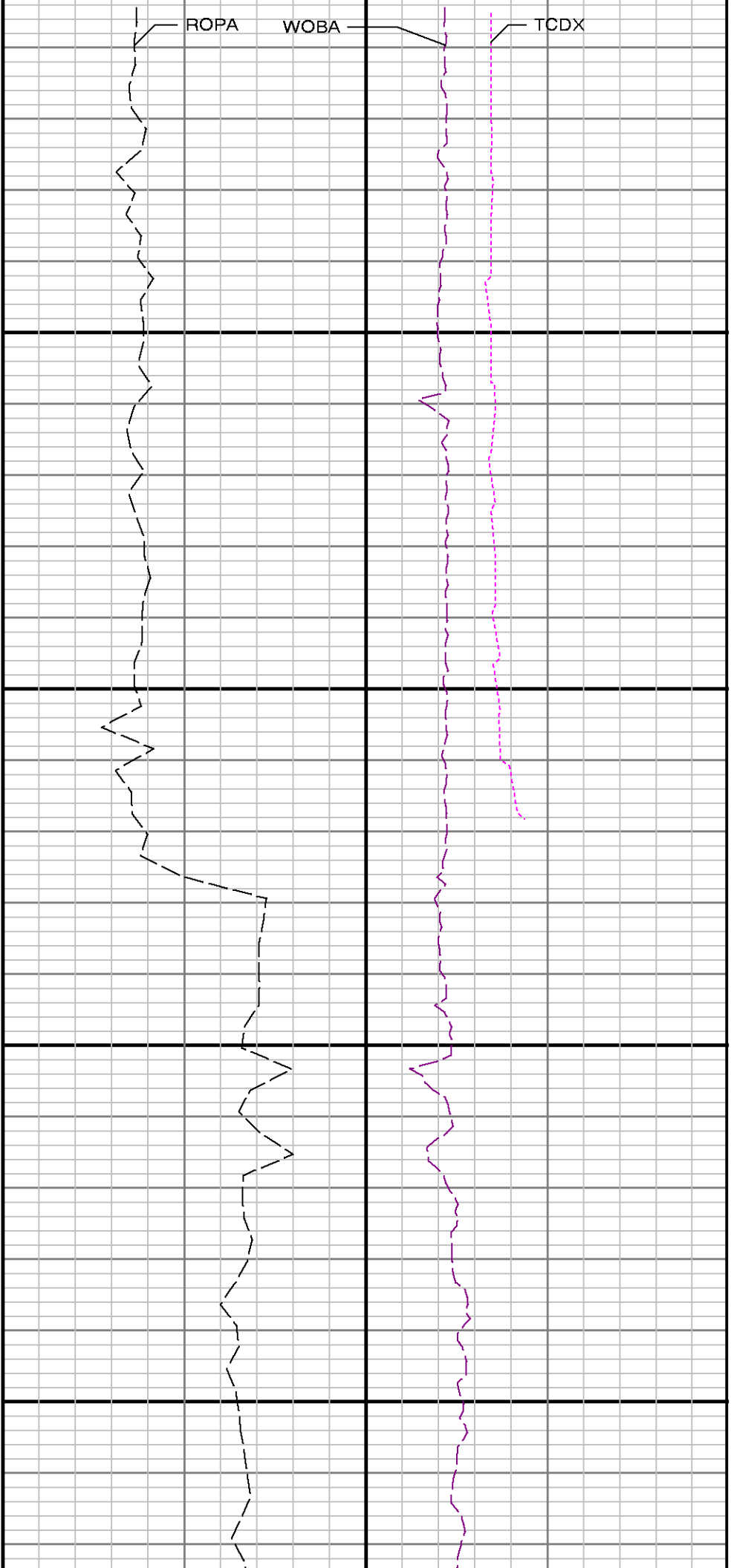
Company : Anadarko

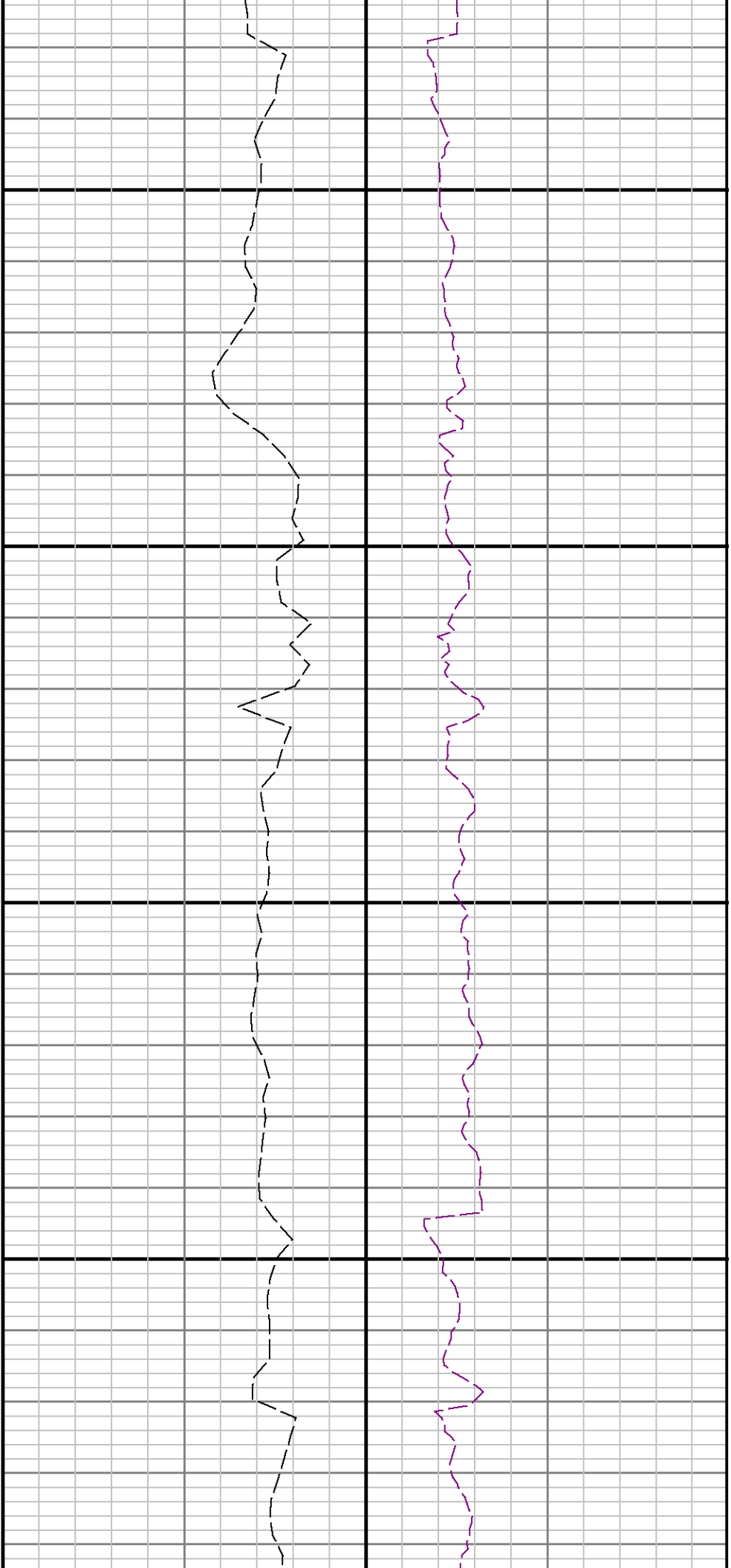
Well : D&C Farms 35C-33HZ

Interval : 7000.00 - 7815.00 feet

Created : 14/Oct/2013 1:30:36 AM

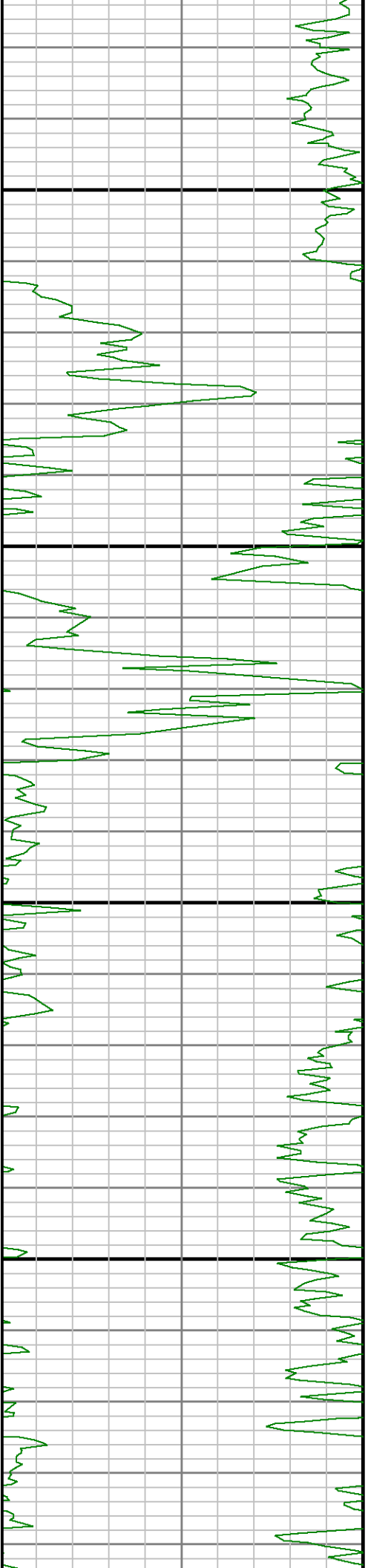


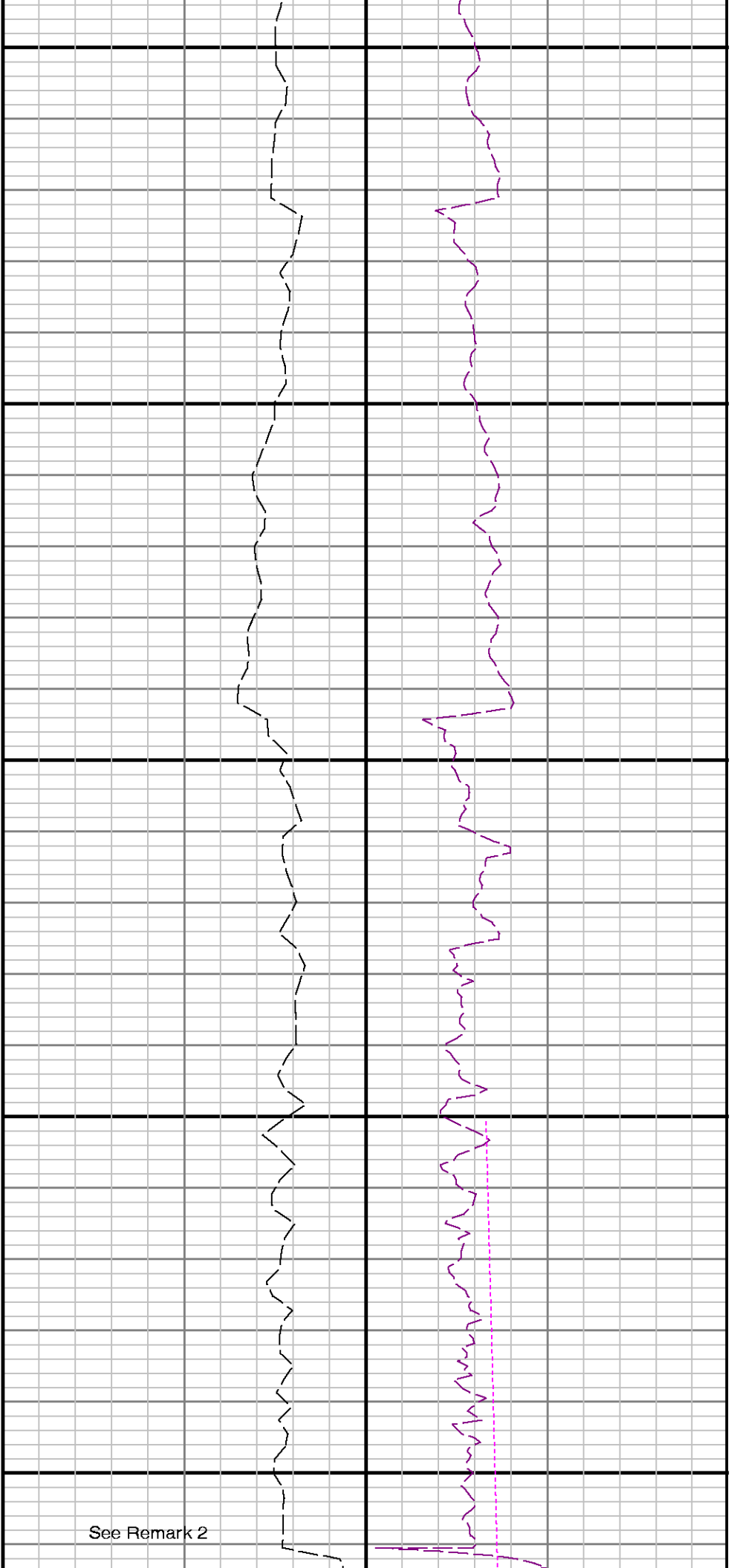




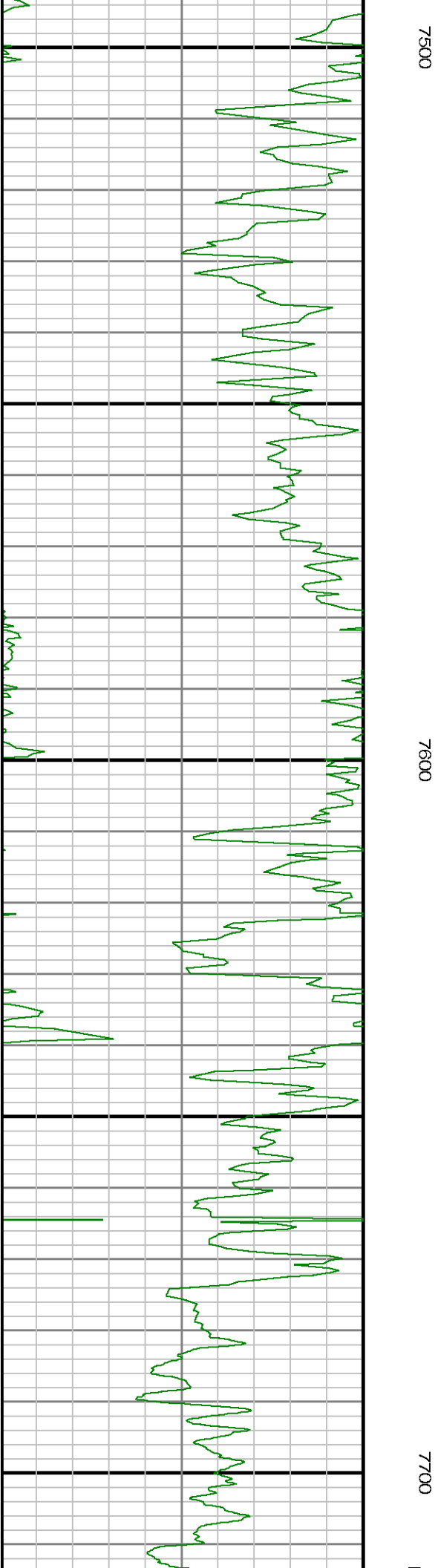
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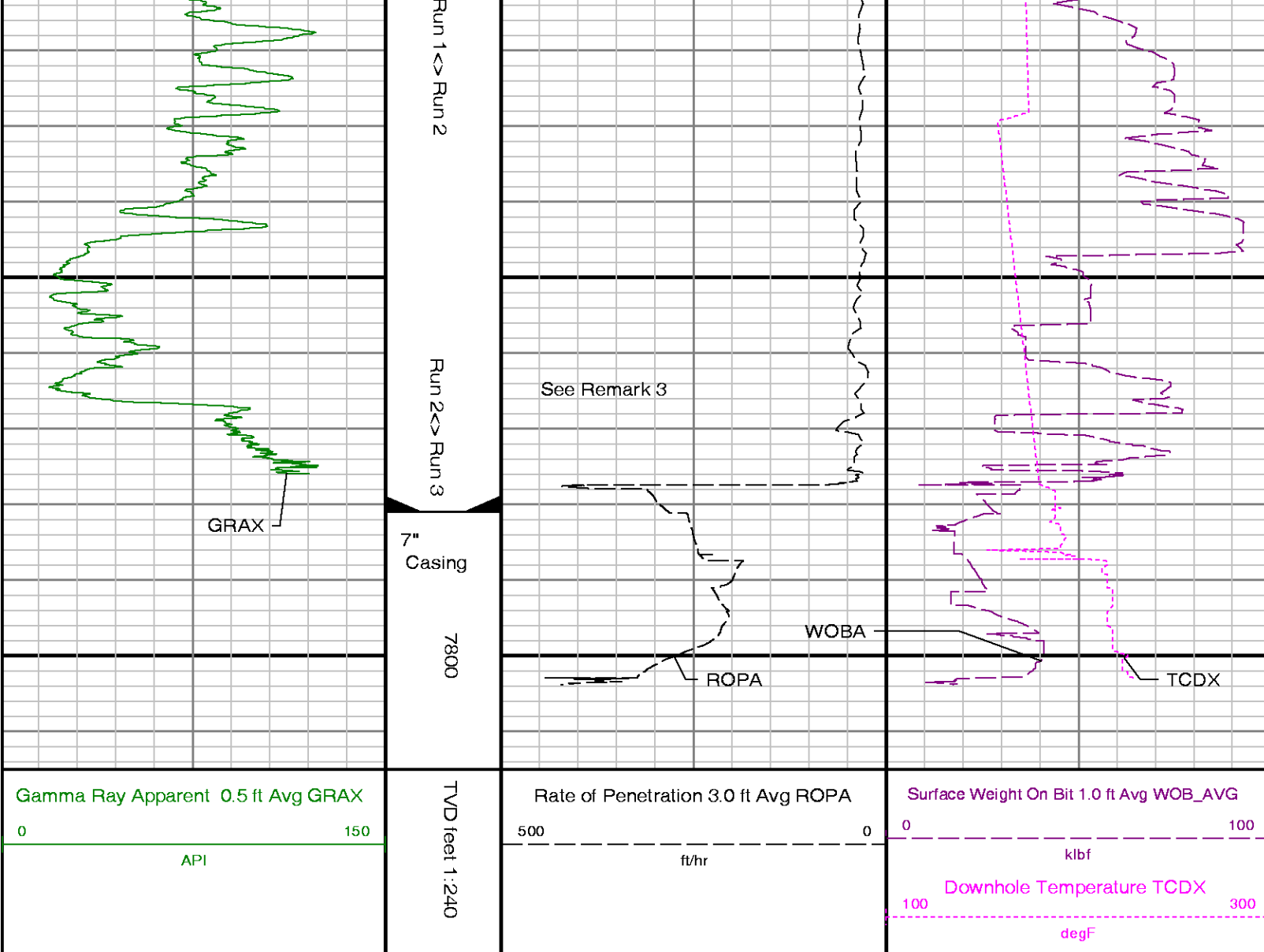
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See Remark 2





ADVANTAGE Field Survey Listing

Operator : Anadarko Field : Weld County (Kerr McGee) API No : 051233789200
 Well : D&C Farms 35C-33HZ Rig : Xtreme 24 Job : 5793108
 Wellbore : D&C Farms 35C-33HZ Orig Hole

Well Origin

Latitude	40.0168 deg	Longitude	-104.8973 deg
North Reference	True	Drill Depth Zero	NULL
Vertical Datum is	Ground Level	Vertical Datum to DDZ	16.00 ft
Vertical Section North	0.00 ft	Vertical Section East	0.00 ft
Vertical Section Azimuth	182.0700 deg	Vertical Section Depth	0.00ft
Grid Convergence	0.0000 deg	Magnetic Declination	8.4600 deg
Total Correction	8.4600 deg	TVD Calculation Method	Minimal Curvature
D-Raw Calculation	Magcorr1	Local Magnetic Field	52716 nT
Local Magnetic Dip Angle	66.3100 deg	Local Gravity Field	9.802 m/s^2

Tie	MD ft	Incl deg	Azim deg	North ft	East ft	TVD ft	VS ft	Incr VS ft	Crs Len ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft
U	959.00	0.1700	305.3000	0.82	-1.16	959.00	-0.78	-0.78		0.02	0.02	-5.70
	1089.00	0.3700	350.2500	1.35	-1.39	1089.00	-1.30	-0.21	130.00	0.21	0.15	34.58
	1183.00	0.4900	325.8900	1.98	-1.67	1182.99	-1.92	0.48	94.00	0.23	0.13	-25.91

	1277.00	1.9500	254.2800	1.88	-3.43	1276.97	-1.75	2.25	94.00	1.97	1.55	-76.18
	1371.00	4.1200	250.7700	0.33	-8.16	1370.84	-0.04	7.23	94.00	2.32	2.31	-3.73
	1465.00	6.2600	249.0900	-2.61	-16.14	1464.45	3.19	15.73	94.00	2.28	2.28	-1.79
	1559.00	8.5100	238.4000	-8.08	-26.85	1557.66	9.05	27.76	94.00	2.79	2.39	-11.37
	1653.00	10.9200	242.5200	-15.84	-40.67	1650.31	17.30	43.61	94.00	2.67	2.56	4.38
	1747.00	11.4700	239.5800	-24.68	-56.63	1742.52	26.71	61.85	94.00	0.84	0.59	-3.13
	1842.00	11.4700	239.3200	-34.28	-72.90	1835.63	36.89	80.74	95.00	0.05	0.00	-0.27
	1936.00	11.2700	239.1800	-43.76	-88.83	1927.78	46.94	99.28	94.00	0.21	-0.21	-0.15
	2031.00	11.1800	237.1700	-53.50	-104.54	2020.96	57.25	117.77	95.00	0.42	-0.09	-2.12
	2123.00	11.0500	235.8100	-63.29	-119.33	2111.24	67.56	135.50	92.00	0.32	-0.14	-1.48
	2215.00	11.8900	242.6300	-72.61	-135.04	2201.40	77.44	153.76	92.00	1.73	0.91	7.41
	2307.00	11.3900	245.3300	-80.76	-151.71	2291.51	86.18	172.32	92.00	0.80	-0.54	2.93
	2399.00	10.8900	247.8000	-87.83	-168.01	2381.78	93.84	190.09	92.00	0.75	-0.54	2.68
	2490.00	10.5100	249.5800	-93.97	-183.75	2471.20	100.55	206.99	91.00	0.55	-0.42	1.96
	2582.00	9.5900	246.9900	-99.90	-198.67	2561.78	107.01	223.04	92.00	1.11	-1.00	-2.82
	2674.00	9.3000	245.8300	-105.94	-212.50	2652.54	113.54	238.13	92.00	0.38	-0.32	-1.26
	2766.00	9.5100	245.9200	-112.08	-226.22	2743.30	120.18	253.17	92.00	0.23	0.23	0.10
	2858.00	10.8900	248.5100	-118.37	-241.25	2833.85	127.00	269.45	92.00	1.58	1.50	2.82
	2950.00	9.8400	251.6500	-124.03	-256.80	2924.34	133.22	286.00	92.00	1.30	-1.14	3.41
	3042.00	11.3800	252.0000	-129.31	-272.89	3014.77	139.08	302.94	92.00	1.68	1.67	0.38
	3134.00	12.1400	243.5200	-136.42	-290.18	3104.84	146.82	321.64	92.00	2.05	0.83	-9.22
	3226.00	11.1900	241.9600	-144.93	-306.72	3194.94	155.92	340.24	92.00	1.09	-1.03	-1.70
	3318.00	9.7600	242.8700	-152.69	-321.54	3285.41	164.20	356.96	92.00	1.56	-1.55	0.99
	3410.00	8.3100	244.4300	-159.11	-334.48	3376.26	171.09	371.41	92.00	1.60	-1.58	1.70
	3502.00	7.3400	244.4500	-164.52	-345.78	3467.40	176.90	383.93	92.00	1.05	-1.05	0.02
	3594.00	8.3300	238.2700	-170.56	-356.75	3558.55	183.33	396.46	92.00	1.41	1.08	-6.72
	3686.00	9.2300	236.3000	-178.16	-368.56	3649.47	191.35	410.50	92.00	1.03	0.98	-2.14
	3778.00	7.6300	234.4500	-185.80	-379.67	3740.47	199.39	423.98	92.00	1.76	-1.74	-2.01
	3871.00	6.2100	232.6600	-192.44	-388.69	3832.79	206.36	435.19	93.00	1.54	-1.53	-1.92
	3964.00	7.7300	239.4500	-198.67	-398.08	3925.10	212.92	446.45	93.00	1.86	1.63	7.30
	4058.00	9.0700	240.3000	-205.56	-409.96	4018.09	220.23	460.18	94.00	1.43	1.43	0.90
	4151.00	9.4900	239.8600	-213.04	-422.95	4109.87	228.18	475.18	93.00	0.46	0.45	-0.47
	4245.00	10.4500	243.5300	-220.73	-437.29	4202.46	236.38	491.45	94.00	1.22	1.02	3.90
	4340.00	9.2000	244.9900	-227.78	-451.88	4296.06	243.95	507.66	95.00	1.34	-1.32	1.54
	4433.00	9.3500	248.1400	-233.74	-465.63	4387.84	250.40	522.64	93.00	0.57	0.16	3.39
	4526.00	9.5100	247.4000	-239.50	-479.73	4479.59	256.67	537.88	93.00	0.22	0.17	-0.80
	4620.00	8.6400	251.1400	-244.77	-493.59	4572.41	262.44	552.70	94.00	1.12	-0.93	3.98
	4714.00	7.5600	254.3000	-248.72	-506.22	4665.47	266.85	565.94	94.00	1.24	-1.15	3.36
	4799.00	5.7300	250.6700	-251.64	-515.61	4749.90	270.10	575.77	85.00	2.21	-2.15	-4.27
	4884.00	5.1600	250.7000	-254.31	-523.22	4834.51	273.04	583.83	85.00	0.67	-0.67	0.04
	4969.00	4.8900	253.3000	-256.61	-530.30	4919.19	275.60	591.28	85.00	0.42	-0.32	3.06
	5054.00	3.9900	247.3800	-258.79	-536.50	5003.93	278.00	597.85	85.00	1.19	-1.06	-6.96
	5140.00	2.6600	245.2400	-260.78	-541.07	5089.79	280.15	602.83	86.00	1.55	-1.55	-2.49
	5225.00	0.9600	178.8400	-262.32	-542.85	5174.75	281.76	605.18	85.00	2.87	-2.00	-78.12
	5310.00	1.0600	143.8800	-263.67	-542.37	5259.73	283.08	606.61	85.00	0.72	0.12	-41.13
	5481.00	1.1100	93.2100	-265.04	-539.78	5430.71	284.36	609.54	171.00	0.54	0.03	-29.63
	5651.00	1.0700	41.5900	-263.94	-537.09	5600.68	283.17	612.45	170.00	0.56	-0.02	-30.36
Tie	MD ft	Incl deg	Azim deg	North ft	East ft	TVD ft	VS ft	Incr VS ft	Crs Len ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft
	5822.00	0.9400	41.4000	-261.69	-535.10	5771.65	280.85	615.45	171.00	0.08	-0.08	-0.11
	6077.00	0.2600	305.1500	-259.79	-534.19	6026.64	278.92	617.56	255.00	0.39	-0.27	-37.75
	6418.00	1.3100	314.5700	-256.61	-537.60	6367.61	275.86	622.22	341.00	0.31	0.31	2.76
	6674.00	2.2100	316.8700	-250.96	-543.06	6623.48	270.41	630.08	256.00	0.35	0.35	0.90
	6758.00	2.2800	297.9900	-248.99	-545.64	6707.42	268.54	633.33	84.00	0.88	0.08	-22.48
	6843.00	1.0200	265.3800	-248.26	-547.89	6792.38	267.88	635.69	85.00	1.79	-1.48	-38.36
	6928.00	0.5600	279.2000	-248.25	-549.05	6877.38	267.92	636.86	85.00	0.58	-0.54	16.26
	7014.00	0.2900	301.7500	-248.07	-549.65	6963.37	267.76	637.48	86.00	0.36	-0.31	26.22
	7099.00	0.3200	19.2600	-247.73	-549.76	7048.37	267.43	637.84	85.00	0.45	0.04	91.19
	7184.00	0.5200	70.6900	-247.38	-549.31	7133.37	267.06	638.40	85.00	0.48	0.24	60.51
	7270.00	2.7400	146.4500	-248.96	-547.81	7219.33	268.59	640.59	86.00	3.09	2.58	88.09
	7312.00	5.4000	169.2800	-251.74	-546.89	7261.23	271.33	643.52	42.00	7.30	6.33	54.36
	7355.00	8.9300	179.7300	-257.07	-546.49	7303.89	276.64	648.86	43.00	8.72	8.21	24.30
	7397.00	12.1900	178.9000	-264.77	-546.39	7345.17	284.33	656.55	42.00	7.77	7.76	-1.98

	7440.00	13.9600	177.0300	-274.49	-546.04	7387.05	294.03	666.28	43.00	4.23	4.12	-4.35
	7483.00	18.4700	175.5800	-286.46	-545.24	7428.33	305.97	678.28	43.00	10.53	10.49	-3.37
	7525.00	22.1500	175.8700	-301.00	-544.16	7467.71	320.46	692.86	42.00	8.77	8.76	0.69
	7568.00	26.5800	176.4500	-318.69	-542.98	7506.87	338.10	710.59	43.00	10.32	10.30	1.35
	7611.00	30.4600	176.5400	-339.18	-541.73	7544.65	358.53	731.12	43.00	9.02	9.02	0.21
	7653.00	35.7400	178.1100	-362.09	-540.68	7579.82	381.38	754.05	42.00	12.74	12.57	3.74
	7696.00	40.0800	178.7500	-388.49	-539.96	7613.74	407.74	780.46	43.00	10.13	10.09	1.49
	7738.00	44.5300	179.6100	-416.75	-539.57	7644.79	435.97	808.72	42.00	10.68	10.60	2.05
	7781.00	48.0500	182.0000	-447.82	-540.02	7674.51	467.03	839.79	43.00	9.12	8.19	5.56
	7823.00	53.1300	182.8000	-480.23	-541.39	7701.16	499.47	872.23	42.00	12.18	12.10	1.90
	7866.00	60.0200	182.1300	-516.06	-542.92	7724.83	535.34	908.10	43.00	16.08	16.02	-1.56
	7909.00	67.4500	181.3900	-554.58	-544.10	7743.85	573.87	946.63	43.00	17.35	17.28	-1.72
	7951.00	73.4600	181.2800	-594.13	-545.02	7757.89	613.43	986.20	42.00	14.31	14.31	-0.26
	7994.00	78.3700	179.6100	-635.82	-545.34	7768.36	655.10	1027.89	43.00	12.02	11.42	-3.88
	8052.00	87.0300	180.5200	-693.29	-545.41	7775.72	712.54	1085.36	58.00	15.01	14.93	1.57
	8139.00	91.0700	180.9800	-780.26	-546.55	7777.16	799.49	1172.33	87.00	4.67	4.64	0.53
	8224.00	91.4500	181.9100	-865.21	-548.69	7775.29	884.46	1257.31	85.00	1.18	0.45	1.09
	8309.00	90.5200	181.5200	-950.16	-551.23	7773.83	969.45	1342.30	85.00	1.19	-1.09	-0.46
	8395.00	89.9000	182.0400	-1036.11	-553.90	7773.51	1055.44	1428.30	86.00	0.94	-0.72	0.60
	8480.00	89.3500	181.9000	-1121.06	-556.83	7774.07	1140.44	1513.29	85.00	0.67	-0.65	-0.16
	8650.00	88.4500	181.6600	-1290.95	-562.10	7777.33	1310.41	1683.26	170.00	0.55	-0.53	-0.14
	8736.00	88.7000	182.5300	-1376.86	-565.25	7779.47	1396.38	1769.23	86.00	1.05	0.29	1.01
	8821.00	90.0900	182.7900	-1461.76	-569.19	7780.37	1481.37	1854.23	85.00	1.66	1.64	0.31
	8906.00	90.0000	182.7800	-1546.66	-573.32	7780.30	1566.36	1939.23	85.00	0.11	-0.11	-0.01
	9076.00	88.1500	181.5300	-1716.51	-579.71	7783.05	1736.33	2109.19	170.00	1.31	-1.09	-0.74
	9161.00	88.5000	181.2900	-1801.45	-581.80	7785.53	1821.29	2194.16	85.00	0.50	0.41	-0.28
	9246.00	90.0900	183.4500	-1886.36	-585.32	7786.58	1906.27	2279.14	85.00	3.16	1.87	2.54
	9417.00	89.7800	181.5900	-2057.19	-592.84	7786.77	2077.26	2450.13	171.00	1.10	-0.18	-1.09
	9588.00	89.9300	182.9300	-2228.05	-599.58	7787.21	2248.25	2621.13	171.00	0.79	0.09	0.78
	9757.00	90.1200	180.8200	-2396.95	-605.11	7787.13	2417.24	2790.12	169.00	1.25	0.11	-1.25
	9928.00	93.6100	181.6100	-2567.79	-608.73	7781.57	2588.10	2961.00	171.00	2.09	2.04	0.46
	10013.00	93.2000	182.5400	-2652.58	-611.80	7776.52	2672.95	3045.85	85.00	1.19	-0.48	1.09
	10098.00	91.9800	183.5200	-2737.38	-616.29	7772.68	2757.85	3130.76	85.00	1.84	-1.44	1.15
	10184.00	90.3000	184.1000	-2823.17	-622.01	7770.97	2843.79	3216.74	86.00	2.07	-1.95	0.67
	10269.00	90.0900	184.7700	-2907.91	-628.58	7770.68	2928.72	3301.74	85.00	0.83	-0.25	0.79
	10354.00	89.2300	184.8500	-2992.61	-635.71	7771.18	3013.62	3386.74	85.00	1.02	-1.01	0.09
Tie	MD ft	Incl deg	Azim deg	North ft	East ft	TVD ft	VS ft	Incr VS ft	Crs Len ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft
	10439.00	89.5300	184.7700	-3077.30	-642.83	7772.10	3098.52	3471.73	85.00	0.37	0.35	-0.09
	10610.00	88.6600	185.3100	-3247.62	-657.85	7774.80	3269.26	3642.71	171.00	0.60	-0.51	0.32
	10695.00	89.9300	184.8600	-3332.28	-665.39	7775.85	3354.14	3727.70	85.00	1.59	1.49	-0.53
	10780.00	89.5900	184.6900	-3416.98	-672.46	7776.20	3439.04	3812.70	85.00	0.45	-0.40	-0.20
	10865.00	88.4900	182.6300	-3501.79	-677.89	7777.63	3523.99	3897.68	85.00	2.75	-1.29	-2.42
	10950.00	88.9000	182.3800	-3586.69	-681.60	7779.57	3608.97	3982.66	85.00	0.56	0.48	-0.29
	11036.00	90.5700	181.7100	-3672.63	-684.67	7779.96	3694.96	4068.65	86.00	2.09	1.94	-0.78
	11120.00	89.5000	180.9400	-3756.60	-686.61	7779.91	3778.95	4152.65	84.00	1.57	-1.27	-0.92
	11205.00	88.1900	181.9000	-3841.56	-688.72	7781.62	3863.93	4237.63	85.00	1.91	-1.54	1.13
	11290.00	89.4700	182.9600	-3926.46	-692.32	7783.36	3948.90	4322.61	85.00	1.96	1.51	1.25
	11376.00	88.4500	183.2200	-4012.32	-696.96	7784.92	4034.88	4408.60	86.00	1.22	-1.19	0.30
	11461.00	88.7000	182.8700	-4097.17	-701.47	7787.04	4119.84	4493.57	85.00	0.51	0.29	-0.41
	11546.00	89.1600	183.1800	-4182.04	-705.95	7788.62	4204.81	4578.56	85.00	0.65	0.54	0.36
	11631.00	88.6100	183.3400	-4266.88	-710.79	7790.28	4289.77	4663.54	85.00	0.67	-0.65	0.19
	11717.00	88.6400	183.3300	-4352.71	-715.79	7792.34	4375.73	4749.51	86.00	0.04	0.03	-0.01
	11802.00	87.9600	182.1500	-4437.58	-719.85	7794.86	4460.68	4834.47	85.00	1.60	-0.80	-1.39
	11887.00	89.0100	182.2700	-4522.48	-723.13	7797.11	4545.65	4919.44	85.00	1.24	1.24	0.14
	11972.00	88.9400	182.1400	-4607.41	-726.40	7798.63	4630.64	5004.43	85.00	0.17	-0.08	-0.15
	12058.00	89.7200	181.2500	-4693.36	-728.94	7799.64	4716.63	5090.42	86.00	1.38	0.91	-1.03
	12143.00	90.2700	180.7300	-4778.35	-730.41	7799.64	4801.61	5175.42	85.00	0.89	0.65	-0.61
	12228.00	90.7900	181.1800	-4863.33	-731.83	7798.86	4886.59	5260.42	85.00	0.81	0.61	0.53
	12313.00	88.7600	179.2500	-4948.32	-732.14	7799.19	4971.54	5345.41	85.00	3.30	-2.39	-2.27
	12484.00	89.2200	178.5800	-5119.26	-728.91	7802.20	5142.25	5516.38	171.00	0.48	0.27	-0.39
	12654.00	90.2700	176.9400	-5289.12	-722.26	7802.96	5311.76	5686.37	170.00	1.15	0.62	-0.96
	12739.00	90.9200	177.7200	-5374.03	-718.30	7802.08	5396.47	5771.37	85.00	1.19	0.76	0.92

12834.00	88.8500	177.2600	-5468.93	-714.14	7802.27	5491.16	5866.36	95.00	2.23	-2.18	-0.48
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Projection to TD:

12889.00	88.8500	177.2600	-5523.86	-711.51	7803.37	5545.95	5921.35	55.00	0.00	0.00	0.00
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