

Weatherford®

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: August 25, 2011

Attention: Mark Cooper

Re: Devon Energy
Well: Cotton Draw Unit #135H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Justin Ward MWD Supervisor	135H	7124' MD 16465' MD	8/6/2011 8/23/2011	Measurement While Drilling

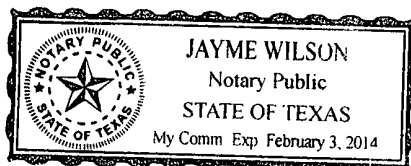
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
Area Manager

On this, the 25th day of August, 2011, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public

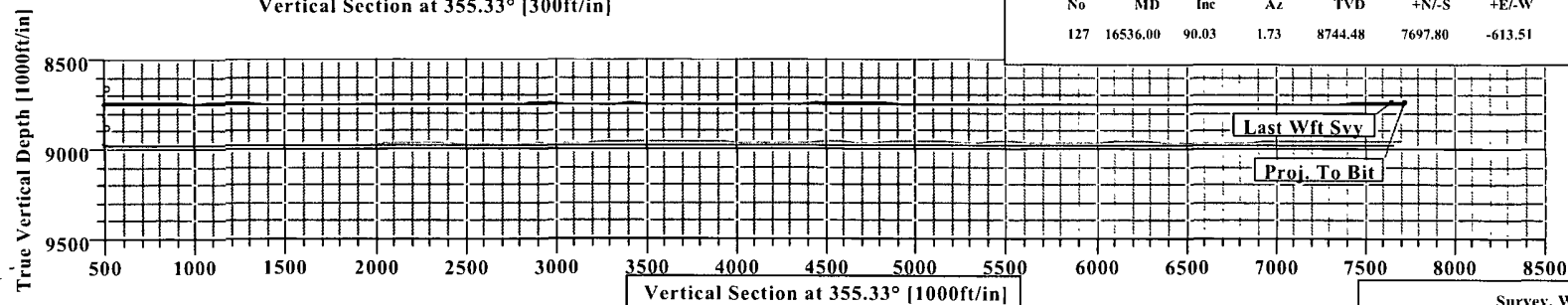
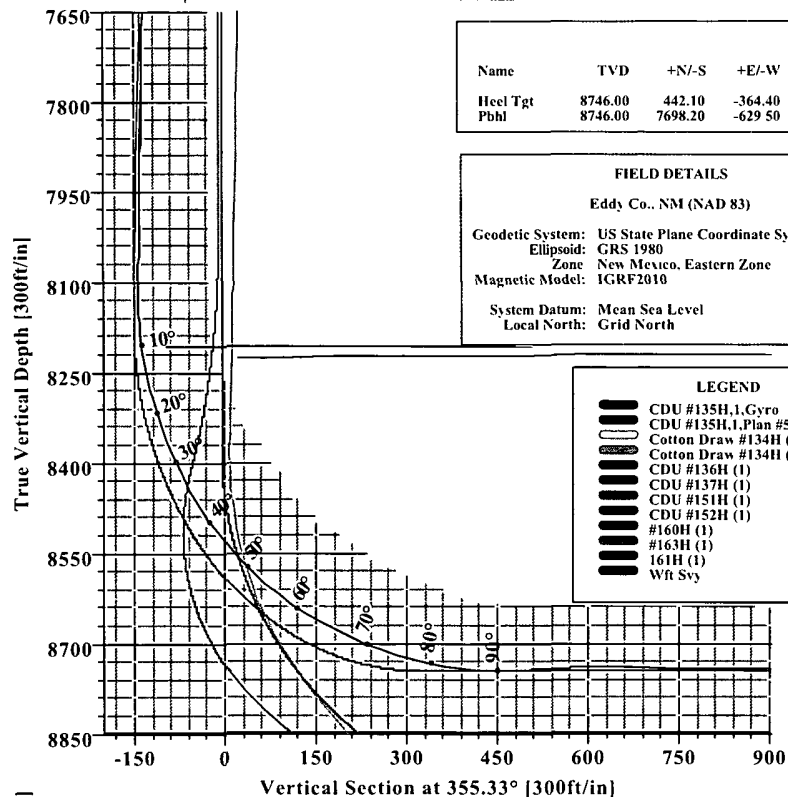




Cotton Draw Unit #135H
Eddy Co., NM



KB ELEV: 3447
GL ELEV: 3421



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7050.00	1.24	182.75	7046.21	-115.51	152.72	0.00	0.00	-127.57	
2	8150.00	1.24	182.75	8145.95	-139.29	151.58	0.00	0.00	-151.18	
3	9087.38	90.00	319.07	8746.00	301.21	-242.23	9.70	136.32	319.95	
4	9273.87	90.00	319.07	8746.00	442.10	-364.40	0.00	0.00	470.33	Heel Tgt
5	10047.49	90.00	360.00	8746.00	1151.59	-629.18	5.29	90.00	1199.04	
6	16594.10	90.00	360.00	8746.00	7698.20	-629.50	0.00	0.00	7723.89	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
CDU #135H	0.00	0.00	419795.41	721228.17	32°09'09.931N	103°45'07.422W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Heel Tgt	8746.00	442.10	-364.40	420237.51	720863.77	32°09'14.326N	103°45'11.633W	Point
Pbhl	8746.00	7698.20	-629.50	427493.61	720598.67	32°10'26.144N	103°45'14.263W	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

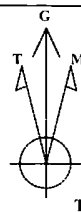
Cotton Draw Unit #135H

Site Centre Northing: 419795.41
Easting: 721228.17

Ground Level: 3421.00
Positional Uncertainty: 0.00
Convergence: 0.31

LEGEND

- CDU #135H, 1 Gyro
- CDU #135H, 1 Plan #5
- Cotton Draw #134H (1)
- Cotton Draw #134H (1)
- CDU #136H (1)
- CDU #137H (1)
- CDU #151H (1)
- CDU #152H (1)
- #160H (1)
- #163H (1)
- 161H (1)
- Wft Svy



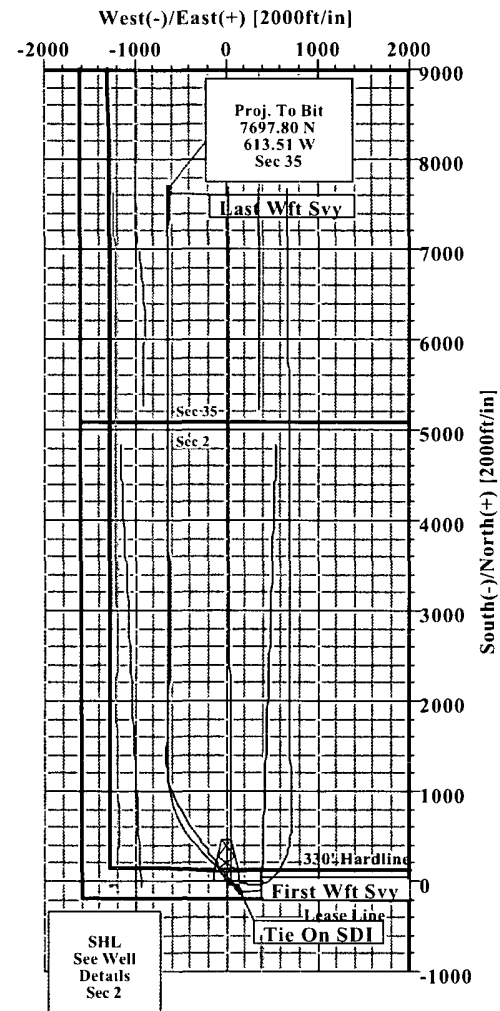
Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.34°

Magnetic Field
Strength: 48566nT
Dip Angle: 60.09°
Date: 7/30/2011
Model: IGRF2010

Total Correction to Grid North: 7.34°



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Survey: Wft Svy (CDU #135H/1)

No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
127	16536.00	90.03	1.73	8744.48	7697.80	-613.51	0.00	0.00	7722.19

Survey: Wft Svy (CDU #135H/1)

Created By: Russell W. Joyner

Date: 8/23/2011



Weatherford International Ltd.

WFT Survey Report X & Y's



Company: Devon Energy		Date: 8/23/2011	Time: 06:54:02	Page: 1						
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well: CDU #135H, Grid North								
Site: Cotton Draw Unit #135H		Vertical (TVD) Reference: SITE 3447.0								
Well: CDU #135H		Section (VS) Reference: Well (0.00N,0.00E,355.33Azi)								
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase								
Survey: Wft Svy		Start Date: 8/9/2011								
Company: Weatherford International Ltd		Engineer: Russell W. Joyner								
Tool: MWD,MWD - Standard		Tied-to: User Defined								
Field: Eddy Co., NM (NAD 83)										
Map System: US State Plane Coordinate System 1983		Map Zone: New Mexico, Eastern Zone								
Geo Datum: GRS 1980		Coordinate System: Well Centre								
Sys Datum: Mean Sea Level		Geomagnetic Model: IGRF2010								
Site: Cotton Draw Unit #135H										
Site Position:		Northing: 419795.41 ft	Latitude: 32 9 9.931 N							
From: Map		Easting: 721228.17 ft	Longitude: 103 45 7.422 W							
Position Uncertainty: 0.00 ft			North Reference: Grid							
Ground Level: 3421.00 ft			Grid Convergence: 0.31 deg							
Well: CDU #135H		Slot Name:								
Well Position: +N/-S 0.00 ft		Northing: 419795.41 ft	Latitude: 32 9 9.931 N							
+E/-W 0.00 ft		Easting: 721228.17 ft	Longitude: 103 45 7.422 W							
Position Uncertainty: 0.00 ft										
Wellpath: 1		Drilled From: Surface								
Current Datum: SITE		Tie-on Depth: 0.00 ft								
Magnetic Data: 7/30/2011		Above System Datum: Mean Sea Level								
Field Strength: 48566 nT		Declination: 7.65 deg								
Vertical Section: Depth From (TVD)		Mag Dip Angle: 60.09 deg								
ft		ft								
0.00		0.00								
		0.00								
		355.33								
Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
7050.00	1.24	182.75	7046.21	-115.51	152.72	0.00	-127.57	419679.90	721380.89	Tie On SDI
7124.00	0.89	170.86	7120.20	-116.88	152.77	0.56	-128.94	419678.53	721380.94	First Wft Svy
7217.00	0.55	163.08	7213.19	-118.02	153.02	0.38	-130.10	419677.39	721381.19	
7311.00	0.71	165.99	7307.19	-119.01	153.29	0.17	-131.11	419676.40	721381.46	
7405.00	0.74	154.65	7401.18	-120.13	153.69	0.16	-132.25	419675.28	721381.86	
7500.00	0.88	143.28	7496.17	-121.27	154.39	0.22	-133.45	419674.14	721382.56	
7593.00	1.10	130.71	7589.15	-122.42	155.49	0.33	-134.69	419672.99	721383.66	
7687.00	1.24	132.12	7683.13	-123.69	156.93	0.15	-136.07	419671.72	721385.10	
7781.00	1.23	135.23	7777.11	-125.09	158.40	0.07	-137.58	419670.32	721386.57	
7875.00	1.16	133.03	7871.09	-126.46	159.80	0.09	-139.06	419668.95	721387.97	
7969.00	1.72	133.17	7965.06	-128.07	161.53	0.60	-140.81	419667.34	721389.70	
8063.00	0.50	122.45	8059.04	-129.26	162.90	1.31	-142.10	419666.15	721391.07	
8126.00	0.81	131.89	8122.04	-129.70	163.47	0.52	-142.59	419665.71	721391.64	
8157.00	1.56	312.72	8153.04	-129.56	163.32	7.64	-142.44	419665.85	721391.49	
8172.00	3.83	313.41	8168.02	-129.08	162.81	15.13	-141.92	419666.33	721390.98	
8189.00	6.65	314.00	8184.95	-128.00	161.68	16.59	-140.76	419667.41	721389.85	
8220.00	12.09	314.22	8215.52	-124.49	158.06	17.55	-136.96	419670.92	721386.23	
8251.00	15.90	316.12	8245.60	-119.16	152.79	12.38	-131.22	419676.25	721380.96	
8282.00	17.06	319.10	8275.32	-112.66	146.87	4.63	-124.26	419682.75	721375.04	
8314.00	18.80	321.43	8305.77	-105.08	140.58	5.88	-116.19	419690.33	721368.75	
8345.00	21.59	321.37	8334.86	-96.72	133.91	9.00	-107.31	419698.69	721362.08	
8377.00	25.16	319.72	8364.23	-86.93	125.83	11.34	-96.90	419708.48	721354.00	
8408.00	28.95	319.27	8391.83	-76.21	116.67	12.24	-85.47	419719.20	721344.84	
8439.00	32.54	319.79	8418.47	-64.16	106.39	11.61	-72.61	419731.25	721334.56	



Weatherford International Ltd.

WFT Survey Report X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #135H
Well: CDU #135H
Wellpath: 1

Date: 8/23/2011 Time: 06:54:02 Page: 2
Co-ordinate(NE) Reference: Well: CDU #135H, Grid North
Vertical (TVD) Reference: SITE 3447.0
Section (VS) Reference: Well (0.00N,0.00E,355.33Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8470.00	35.08	321 53	8444 22	-50.81	95.46	8.77	-58.42	419744.60	721323 63	
8502.00	37.29	321 93	8470 05	-35.98	83 76	6.95	-42 69	419759.43	721311 93	
8533 00	39 57	321.75	8494 33	-20.83	71 86	7.36	-26 62	419774.58	721300 03	
8564.00	42 40	320 41	8517 73	-5.02	59 08	9.56	-9.82	419790.39	721287.25	
8596.00	45.93	318 74	8540 68	11 94	44 62	11 61	8 27	419807.35	721272.79	
8627.00	48.52	318 90	8561 74	29 07	29 64	8 36	26.56	419824 48	721257 81	
8659.00	51.43	320.25	8582.31	47.72	13.76	9.65	46.44	419843 13	721241.93	
8690.00	54.66	321 34	8600.95	66 92	-1.89	10 79	66 85	419862.33	721226.28	
8721.00	56.97	321.44	8618.37	86.96	-17.90	7.46	88.13	419882.37	721210.27	
8753 00	58.86	322.47	8635.36	108 31	-34 60	6 51	110 77	419903.72	721193 57	
8784 00	61 68	323.59	8650 73	129.81	-50 79	9.62	133 52	419925 22	721177 38	
8815.00	64.89	323.96	8664.67	152.15	-67 15	10.41	157.12	419947.56	721161.02	
8847.00	67.94	324.54	8677.47	175.95	-84 28	9.67	182 23	419971.36	721143 89	
8878 00	68.54	324 82	8688.96	199.44	-100.92	2 11	207.00	419994 85	721127 25	
8909.00	69.66	324.91	8700 02	223.13	-117 59	3.62	231.97	420018.54	721110.58	
8941 00	72.42	324.83	8710.42	247.87	-135 00	8 63	258.05	420043 28	721093.17	
8972.00	75.46	324 79	8718 99	272 22	-152.17	9.81	283.71	420067 63	721076.00	
9003.00	77.63	323.82	8726.21	296.70	-169.76	7 63	309 55	420092 11	721058.41	
9034 00	79 63	324.48	8732.32	321.33	-187 56	6 78	335 55	420116.74	721040.61	
9066.00	81.47	324.79	8737.57	347.07	-205.83	5.83	362 69	420142.48	721022.34	
9097.00	83 51	324 87	8741.62	372.19	-223 53	6.59	389.17	420167 60	721004.64	
9129.00	86.33	324 58	8744 46	398.21	-241 93	8.86	416.61	420193.62	720986.24	
9189.00	91.78	324 52	8745.45	447 07	-276 71	9.08	468.13	420242.48	720951 46	
9213.00	92.55	324 24	8744 54	466.56	-290.68	3 41	488.70	420261 97	720937 49	
9307.00	92.13	325 32	8740 70	543.29	-344 85	1 23	569.59	420338.70	720883 32	
9401.00	89 33	326 94	8739 50	621 32	-397.22	3 44	651.63	420416.73	720830.95	
9495.00	89.27	327.89	8740.65	700.52	-447.84	1.01	734 69	420495.93	720780.33	
9589 00	89 41	330 76	8741 73	781 35	-495 79	3 06	819.16	420576.76	720732 38	
9683.00	88.57	333 55	8743 39	864 45	-539.68	3.10	905.55	420659.86	720688 49	
9777.00	89.27	338.93	8745.16	950 43	-577 54	5.77	994.34	420745.84	720650 63	
9871.00	91.36	343.72	8744.65	1039.45	-607 62	5 56	1085.51	420834.86	720620.55	
9965 00	90 94	348 86	8742.76	1130.72	-629.89	5 49	1178.30	420926.13	720598.28	
10060 00	89.34	352.45	8742 53	1224.44	-645.31	4.14	1272.96	421019 85	720582.86	
10154 00	87.03	358 56	8745 51	1318.06	-652.68	6 95	1366.86	421113 47	720575.49	
10226 00	88.15	1 87	8748.54	1389.98	-652.41	4 85	1438 53	421185 39	720575.76	
10320 00	90.31	2.26	8749 80	1483 90	-649 02	2.34	1531.86	421279.31	720579 15	
10414.00	90 38	3.11	8749.23	1577.80	-644.62	0.91	1625 09	421373.21	720583 55	
10508.00	90.73	3.25	8748.32	1671.65	-639.40	0.40	1718.20	421467.06	720588 77	
10602.00	91.01	3.52	8746.89	1765.47	-633.85	0.41	1811.26	421560.88	720594.32	
10696 00	90.45	0 99	8745.70	1859 39	-630 15	2.76	1904.56	421654.80	720598.02	
10791 00	89 68	0 82	8745 59	1954 37	-628.65	0 83	1999.11	421749 78	720599.52	
10885 00	89 90	1 00	8745.93	2048.36	-627.16	0.30	2092.66	421843 77	720601 01	
10979.00	89 76	1.31	8746.21	2142.34	-625.27	0 36	2186.17	421937.75	720602 90	
11072.00	89.48	1.33	8746.83	2235.31	-623.12	0.30	2278.66	422030.72	720605.05	
11166 00	89.76	1.59	8747 45	2329 28	-620 73	0.41	2372.12	422124 69	720607.44	
11260 00	91.01	1 26	8746.82	2423 25	-618 39	1 38	2465.59	422218 66	720609.78	
11354.00	90 03	1 42	8745.97	2517.22	-616.19	1 06	2559 06	422312.63	720611.98	
11448.00	89 97	1.80	8745.97	2611.18	-613.55	0.41	2652 50	422406.59	720614 62	
11542.00	90.59	0 91	8745.51	2705.15	-611.33	1.15	2745.98	422500.56	720616.84	
11658.00	90.31	0 81	8744 60	2821.14	-609 59	0.26	2861.43	422616 55	720618.58	
11751.00	89.55	358 60	8744 71	2914.13	-610 07	2 51	2954.15	422709 54	720618.10	
11845 00	89.89	359.25	8745 17	3008.11	-611.83	0 78	3047.97	422803 52	720616 34	



Weatherford International Ltd.

WFT Survey Report X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #135H
Well: CDU #135H
Wellpath: 1

Date: 8/23/2011 Time: 06:54:02 Page: 3
Co-ordinate(NE) Reference: Well: CDU #135H, Grid North
Vertical (TVD) Reference: SITE 3447.0
Section (VS) Reference: Well (0 00N,0.00E,355.33Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
11940.00	89.90	359.45	8745.35	3103.10	-612.91	0.21	3142.73	422898.51	720615.26	
12034.00	90.10	359.49	8745.35	3197.10	-613.78	0.22	3236.49	422992.51	720614.39	
12128.00	90.45	0.40	8744.89	3291.10	-613.87	1.04	3330.18	423086.51	720614.30	
12222.00	90.31	358.50	8744.27	3385.09	-614.77	2.03	3423.93	423180.50	720613.40	
12316.00	88.92	357.12	8744.90	3479.01	-618.36	2.08	3517.83	423274.42	720609.81	
12410.00	88.85	356.97	8746.73	3572.87	-623.21	0.18	3611.77	423368.28	720604.96	
12504.00	88.43	356.76	8748.96	3666.70	-628.35	0.50	3705.71	423462.11	720599.82	
12598.00	89.97	358.50	8750.27	3760.60	-632.23	2.47	3799.62	423556.01	720595.94	
12692.00	91.08	359.80	8749.41	3854.59	-633.63	1.82	3893.40	423650.00	720594.54	
12786.00	90.66	0.09	8747.99	3948.58	-633.72	0.54	3987.09	423743.99	720594.45	
12880.00	90.66	359.78	8746.90	4042.57	-633.82	0.33	4080.78	423837.98	720594.35	
12973.00	90.45	359.73	8746.00	4135.56	-634.22	0.23	4173.49	423930.97	720593.95	
13067.00	90.24	359.88	8745.44	4229.56	-634.54	0.27	4267.21	424024.97	720593.63	
13162.00	90.45	0.35	8744.86	4324.56	-634.35	0.54	4361.87	424119.97	720593.82	
13256.00	91.22	0.82	8743.49	4418.54	-633.39	0.96	4455.47	424213.95	720594.78	
13350.00	89.76	359.38	8742.69	4512.53	-633.23	2.18	4549.13	424307.94	720594.94	
13444.00	89.97	359.29	8742.91	4606.53	-634.32	0.24	4642.90	424401.94	720593.85	
13538.00	89.83	0.12	8743.08	4700.53	-634.80	0.90	4736.62	424495.94	720593.37	
13632.00	88.36	0.30	8744.56	4794.51	-634.46	1.58	4830.27	424589.92	720593.71	
13726.00	87.45	0.27	8748.00	4888.45	-633.99	0.97	4923.85	424683.86	720594.18	
13819.00	88.71	0.69	8751.11	4981.39	-633.21	1.43	5016.42	424776.80	720594.96	
13914.00	91.57	1.14	8750.88	5076.37	-631.69	3.05	5110.96	424871.78	720596.48	
14007.00	91.79	0.55	8748.15	5169.31	-630.32	0.68	5203.49	424964.72	720597.85	
14102.00	89.20	0.67	8747.33	5264.30	-629.31	2.73	5298.07	425059.71	720598.86	
14196.00	88.78	0.75	8748.99	5358.28	-628.15	0.45	5391.64	425153.69	720600.02	
14290.00	90.38	0.37	8749.68	5452.27	-627.23	1.75	5485.25	425247.68	720600.94	
14384.00	91.15	359.98	8748.42	5546.26	-626.94	0.92	5578.90	425341.67	720601.23	
14478.00	90.59	359.05	8747.00	5640.24	-627.74	1.15	5672.64	425435.65	720600.43	
14572.00	90.66	359.36	8745.97	5734.23	-629.04	0.34	5766.42	425529.64	720599.13	
14663.00	89.69	358.74	8745.69	5825.21	-630.55	1.27	5857.22	425620.62	720597.62	
14759.00	89.34	358.92	8746.51	5921.19	-632.51	0.41	5953.04	425716.60	720595.66	
14852.00	89.69	359.33	8747.29	6014.17	-633.93	0.58	6045.83	425809.58	720594.24	
14946.00	89.69	359.98	8747.80	6108.17	-634.50	0.69	6139.56	425903.58	720593.67	
15040.00	89.55	0.40	8748.43	6202.17	-634.19	0.47	6233.22	425997.58	720593.98	
15134.00	91.64	0.78	8747.45	6296.15	-633.22	2.26	6326.81	426091.56	720594.95	
15228.00	89.97	0.38	8746.13	6390.13	-632.27	1.83	6420.41	426185.54	720595.90	
15322.00	90.31	0.35	8745.90	6484.13	-631.67	0.36	6514.04	426279.54	720596.50	
15416.00	90.52	0.27	8745.22	6578.13	-631.16	0.24	6607.68	426373.54	720597.01	
15510.00	89.62	0.30	8745.10	6672.13	-630.69	0.96	6701.33	426467.54	720597.48	
15604.00	90.24	0.08	8745.22	6766.12	-630.38	0.70	6794.99	426561.53	720597.79	
15698.00	88.85	0.41	8745.97	6860.12	-629.98	1.52	6888.64	426655.53	720598.19	
15792.00	88.29	359.66	8748.31	6954.09	-629.92	1.00	6982.29	426749.50	720598.25	
15886.00	90.03	0.97	8749.69	7048.07	-629.40	2.32	7075.92	426843.48	720598.77	
15980.00	89.83	1.35	8749.80	7142.05	-627.50	0.46	7169.43	426937.46	720600.67	
16074.00	91.43	1.21	8748.77	7236.02	-625.40	1.71	7262.92	427031.43	720602.77	
16168.00	91.92	0.95	8746.02	7329.96	-623.63	0.59	7356.40	427125.37	720604.54	
16262.00	89.97	1.35	8744.47	7423.92	-621.74	2.12	7449.90	427219.33	720606.43	
16356.00	89.97	1.73	8744.52	7517.89	-619.22	0.40	7543.35	427313.30	720608.95	
16450.00	90.03	2.02	8744.52	7611.84	-616.14	0.32	7636.73	427407.25	720612.03	
16465.00	90.03	1.73	8744.51	7626.83	-615.65	1.93	7651.64	427422.24	720612.52	Last Wft Svy
16536.00	90.03	1.73	8744.48	7697.80	-613.51	0.00	7722.19	427493.21	720614.66	Proj. To Bit



Weatherford International Ltd.
WFT Survey Report X & Y's



Company: Devon Energy	Date: 8/23/2011	Time: 06:54:02	Page: 4
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: CDU #135H, Grid North	
Site: Cotton Draw Unit #135H	Vertical (TVD) Reference:	SITE 3447.0	
Well: CDU #135H	Section (VS) Reference:	Well (0.00N,0.00E,355.33Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Annotation

MD ft	TVD ft	
7050.00	7046.21	Tie On SDI
7124.00	7120.20	First Wft Svy
16465.00	8744.51	Last Wft Svy
16536.00	8744.48	Proj To Bit