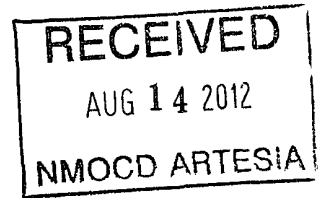




Weatherford®



Drilling Services

Proposal



devon

CORAL PWU 28 7H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

JULY 2, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

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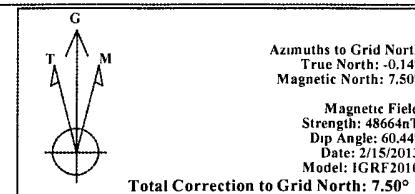
devon
Coral PWU 28 7H
Eddy Co, NM

KBELEV: 3329
GLELEV: 3310

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	268.72	0.00	0.00	0.00	0.00	0.00	0.00	
2	6462.04	0.00	268.72	6462.04	0.00	0.00	0.00	0.00	0.00	
3	7362.04	90.00	268.72	7035.00	-12.83	-572.81	10.00	268.72	572.96	
4	11588.32	90.00	268.72	7035.00	-107.45	-4798.03	0.00	0.00	4799.23	PBHL

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Coral PWU 28 7H	0.00	0.00	593111.76	621868.87	32°37'48.857N	104°04'18.278W

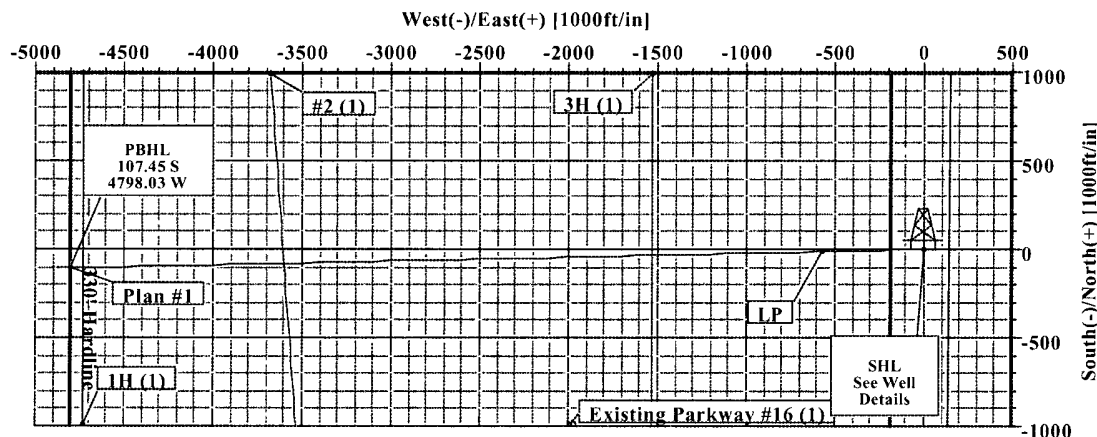
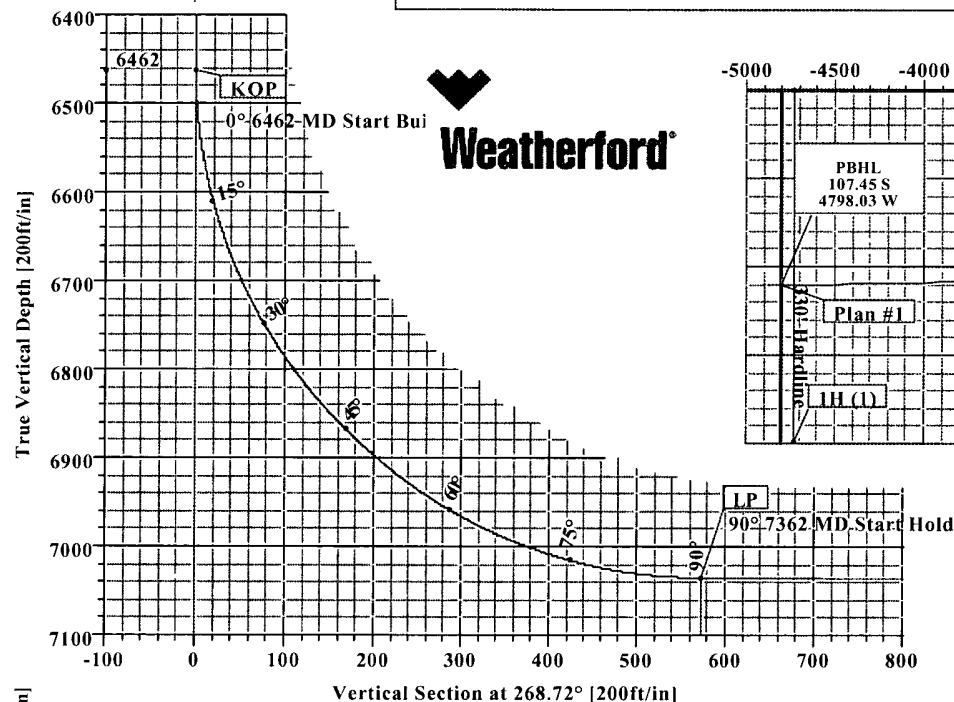
TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL	7035.00	-107.45	-4798.03	593004.31	617070.84	32°37'47.907N	104°05'14.389W



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

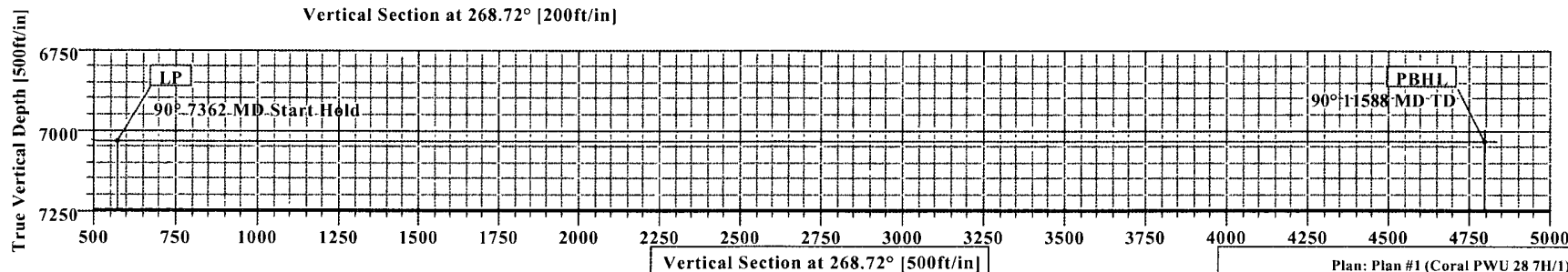


LEGEND	
	1H (1)
	#2 (1)
	3H (1)
	Existing Parkway #16 (1)
	Plan #1

SITE DETAILS
Coral PWU 28 7H

Site Centre Northing: 593111.76
Easting: 621868.87

Ground Level: 3310.00
Positional Uncertainty: 0.00
Convergence: 0.14



Plan: Plan #1 (Coral PWU 28 7H/1)
Created By: Russell W. Joyner
Date: 7/2/2012



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WFT Plan Report - X & Y's



Company: Devon Energy Date: 7/2/2012 Time: 12 12.11 Page: 1
Field: Eddy Co , NM (NAD 83) Co-ordinate(NE) Reference: Well: Coral PWU 28 7H, Grd North
Site: Coral PWU 28 7H Vertical (TVD) Reference: SITE 3329 0
Well: Coral PWU 28 7H Section (VS) Reference: Well (0.00N,0.00E,268 72Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 7/2/2012
Principal: Yes Version: 1
Tied-to: From Surface

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: Coral PWU 28 7H
Site Position: Northing: 593111 76 ft Latitude: 32 37 48 857 N
From: Map Easting: 621868.87 ft Longitude: 104 4 18 278 W
Position Uncertainty: 0.00 ft North Reference: Gnd
Ground Level: 3310 00 ft Grid Convergence: 0 14 deg

Well: Coral PWU 28 7H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 593111 76 ft Latitude: 32 37 48 857 N
+E/-W 0 00 ft Easting: 621868 87 ft Longitude: 104 4 18 278 W
Position Uncertainty: 0.00 ft

Wellpath: 1
Current Datum: SITE Height: 3329 00 ft
Magnetic Data: 2/15/2013
Field Strength: 48664 nT
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft deg
0 00 0 00 0 00 268.72

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	268.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6462.04	0.00	268.72	6462.04	0.00	0.00	0.00	0.00	0.00	0.00	
7362.04	90.00	268.72	7035.00	-12.83	-572.81	10.00	10.00	0.00	268.72	
11588.32	90.00	268.72	7035.00	-107.45	-4798.03	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
6400.00	0.00	268.72	6400.00	0.00	0.00	0.00	0.00	593111.76	621868.87	KOP
6462.04	0.00	268.72	6462.04	0.00	0.00	0.00	0.00	593111.76	621868.87	
6500.00	3.80	268.72	6499.97	-0.03	-1.26	1.26	10.00	593111.73	621867.61	
6550.00	8.80	268.72	6549.65	-0.15	-6.74	6.74	10.00	593111.61	621862.13	
6600.00	13.80	268.72	6598.67	-0.37	-16.52	16.53	10.00	593111.39	621852.35	
6650.00	18.80	268.72	6646.65	-0.68	-30.55	30.55	10.00	593111.08	621838.32	
6700.00	23.80	268.72	6693.22	-1.09	-48.70	48.71	10.00	593110.67	621820.17	
6750.00	28.80	268.72	6738.03	-1.59	-70.83	70.85	10.00	593110.17	621798.04	
6800.00	33.80	268.72	6780.74	-2.17	-96.79	96.82	10.00	593109.59	621772.08	
6850.00	38.80	268.72	6821.03	-2.83	-126.37	126.40	10.00	593108.93	621742.50	
6900.00	43.80	268.72	6858.58	-3.57	-159.35	159.39	10.00	593108.19	621709.52	
6950.00	48.80	268.72	6893.12	-4.38	-195.48	195.52	10.00	593107.38	621673.39	
7000.00	53.80	268.72	6924.37	-5.25	-234.47	234.53	10.00	593106.51	621634.40	
7050.00	58.80	268.72	6952.11	-6.18	-276.04	276.11	10.00	593105.58	621592.83	
7100.00	63.80	268.72	6976.11	-7.16	-319.88	319.96	10.00	593104.60	621548.99	
7150.00	68.80	268.72	6996.21	-8.19	-365.63	365.72	10.00	593103.57	621503.24	
7200.00	73.80	268.72	7012.24	-9.25	-412.96	413.07	10.00	593102.51	621455.91	



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WFT Plan Report - X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Coral PWU 28 7H
Well: Coral PWU 28 7H
Wellpath: 1

Date: 7/2/2012
Co-ordinate(NE) Reference: Well Coral PWU 28 7H, Grid North
Vertical (TVD) Reference: SITE 3329 0
Section (VS) Reference: Well (0.00N,0.00E,268.72Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 12:12.11
Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comments
7250.00	78.80	268.72	7024.08	-10.34	-461.51	461.63	10.00	593101.42	621407.36	
7300.00	83.80	268.72	7031.64	-11.44	-510.91	511.04	10.00	593100.32	621357.96	
7350.00	88.80	268.72	7034.87	-12.56	-560.78	560.92	10.00	593099.20	621308.09	
7362.04	90.00	268.72	7035.00	-12.83	-572.81	572.96	10.00	593098.93	621296.06	LP
7400.00	90.00	268.72	7035.00	-13.68	-610.76	610.92	0.00	593098.08	621258.11	
7500.00	90.00	268.72	7035.00	-15.92	-710.74	710.92	0.00	593095.84	621158.13	
7600.00	90.00	268.72	7035.00	-18.16	-810.71	810.92	0.00	593093.60	621058.16	
7700.00	90.00	268.72	7035.00	-20.39	-910.69	910.92	0.00	593091.37	620958.18	
7800.00	90.00	268.72	7035.00	-22.63	-1010.66	1010.92	0.00	593089.13	620858.21	
7900.00	90.00	268.72	7035.00	-24.87	-1110.64	1110.92	0.00	593086.89	620758.23	
8000.00	90.00	268.72	7035.00	-27.11	-1210.61	1210.92	0.00	593084.65	620658.26	
8100.00	90.00	268.72	7035.00	-29.35	-1310.59	1310.92	0.00	593082.41	620558.28	
8200.00	90.00	268.72	7035.00	-31.59	-1410.56	1410.92	0.00	593080.17	620458.31	
8300.00	90.00	268.72	7035.00	-33.83	-1510.54	1510.92	0.00	593077.93	620358.33	
8400.00	90.00	268.72	7035.00	-36.07	-1610.51	1610.92	0.00	593075.69	620258.36	
8500.00	90.00	268.72	7035.00	-38.31	-1710.49	1710.92	0.00	593073.45	620158.38	
8600.00	90.00	268.72	7035.00	-40.54	-1810.46	1810.92	0.00	593071.22	620058.41	
8700.00	90.00	268.72	7035.00	-42.78	-1910.44	1910.92	0.00	593068.98	619958.43	
8800.00	90.00	268.72	7035.00	-45.02	-2010.41	2010.92	0.00	593066.74	619858.46	
8900.00	90.00	268.72	7035.00	-47.26	-2110.39	2110.92	0.00	593064.50	619758.48	
9000.00	90.00	268.72	7035.00	-49.50	-2210.36	2210.92	0.00	593062.26	619658.51	
9100.00	90.00	268.72	7035.00	-51.74	-2310.34	2310.92	0.00	593060.02	619558.53	
9200.00	90.00	268.72	7035.00	-53.98	-2410.31	2410.92	0.00	593057.78	619458.56	
9300.00	90.00	268.72	7035.00	-56.22	-2510.29	2510.92	0.00	593055.54	619358.58	
9400.00	90.00	268.72	7035.00	-58.46	-2610.26	2610.92	0.00	593053.30	619258.61	
9500.00	90.00	268.72	7035.00	-60.69	-2710.24	2710.92	0.00	593051.07	619158.63	
9600.00	90.00	268.72	7035.00	-62.93	-2810.21	2810.92	0.00	593048.83	619058.66	
9700.00	90.00	268.72	7035.00	-65.17	-2910.19	2910.92	0.00	593046.59	618958.68	
9800.00	90.00	268.72	7035.00	-67.41	-3010.16	3010.92	0.00	593044.35	618858.71	
9900.00	90.00	268.72	7035.00	-69.65	-3110.14	3110.92	0.00	593042.11	618758.73	
10000.00	90.00	268.72	7035.00	-71.89	-3210.11	3210.92	0.00	593039.87	618658.76	
10100.00	90.00	268.72	7035.00	-74.13	-3310.09	3310.92	0.00	593037.63	618558.78	
10200.00	90.00	268.72	7035.00	-76.37	-3410.06	3410.92	0.00	593035.39	618458.81	
10300.00	90.00	268.72	7035.00	-78.61	-3510.04	3510.92	0.00	593033.15	618358.83	
10400.00	90.00	268.72	7035.00	-80.84	-3610.01	3610.92	0.00	593030.92	618258.86	
10500.00	90.00	268.72	7035.00	-83.08	-3709.99	3710.92	0.00	593028.68	618158.88	
10600.00	90.00	268.72	7035.00	-85.32	-3809.96	3810.92	0.00	593026.44	618058.91	
10700.00	90.00	268.72	7035.00	-87.56	-3909.94	3910.92	0.00	593024.20	617958.93	
10800.00	90.00	268.72	7035.00	-89.80	-4009.91	4010.92	0.00	593021.96	617858.96	
10900.00	90.00	268.72	7035.00	-92.04	-4109.89	4110.92	0.00	593019.72	617758.98	
11000.00	90.00	268.72	7035.00	-94.28	-4209.86	4210.92	0.00	593017.48	617659.01	
11100.00	90.00	268.72	7035.00	-96.52	-4309.84	4310.92	0.00	593015.24	617559.03	
11200.00	90.00	268.72	7035.00	-98.76	-4409.81	4410.92	0.00	593013.00	617459.06	
11300.00	90.00	268.72	7035.00	-100.99	-4509.78	4510.92	0.00	593010.77	617359.09	
11400.00	90.00	268.72	7035.00	-103.23	-4609.76	4610.92	0.00	593008.53	617259.11	
11500.00	90.00	268.72	7035.00	-105.47	-4709.73	4710.92	0.00	593006.29	617159.14	
11588.32	90.00	268.72	7035.00	-107.45	-4798.03	4799.23	0.00	593004.31	617070.84	PBHL



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WFT Plan Report - X & Y's



Company: Devon Energy	Date: 7/2/2012	Time: 12:12:11	Page: 3
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well Coral PWU 28 7H, Grid North		
Site: Coral PWU 28 7H	Vertical (TVD) Reference: SITE 3329 0		
Well: Coral PWU 28 7H	Section (VS) Reference: Well (0.00N,0.00E,268.72Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->			<---- Longitude ---->		
							Deg	Min	Sec	Deg	Min	Sec
PBHL		7035.00	-107.45	-4798.03	593004 31	617070 84	32	37	47.907	N	104	5 14 389 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
6462.04	6462.04	KOP
7362.04	7035.00	LP
11588.31	7035.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford Anticollision Report



Company: Devon Energy Date: 7/2/2012 Time: 12 17 37 Page: 1
Field: Eddy Co., NM (NAD 83)
Reference Site: Coral PWU 28 7H Co-ordinate(NE) Reference: Well. Coral PWU 28 7H, Grid North
Reference Well: Coral PWU 28 7H Vertical (TVD) Reference: SITE 3329.0
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria Reference: Plan. Plan #1
Interpolation MethodMD Interval: 100 00 ft Error Model: ISCWSA Ellipse
Depth Range: 0.00 to 11588.32 ft Scan Method: Closest Approach 3D
Maximum Radius0000 00 ft Error Surface: Ellipse

Plan: Plan #1 Date Composed: 7/2/2012
Principal: Yes Version: 1
Tied-to: From Surface

Summary

Site	Offset Wellpath	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
Coral PWU 28 1H	1H	1 V0 Plan. Plan #1 V1	11588.32	10575.31	887 68	829 53	15 27	
Coral PWU 28 2H	#2	1 V0 Plan. Plan #1 V1	10900.00	9403 30	1020 98	968 40	19 42	
Coral PWU 28 3H	3H	1 V1 Plan. Plan #1 V1	9000 00	9462 53	1153.97	1112.77	28.01	

Site: Coral PWU 28 1H
Well: 1H
Wellpath: 1 V0 Plan. Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Edge Distance ft	Separation Distance ft	Factor	Warning
0 00	0 00	11.00	11.00	0.00	0.01	301 13	2858 75	-4733 45	5529 74			No Data
100 00	100 00	111.00	111.00	0.09	0.12	301 13	2858.75	-4733.45	5529.74	5529.53	26741 52	
200 00	200 00	211.00	211.00	0 32	0 34	301.13	2858.75	-4733.45	5529.74	5529 08	8425 41	
300 00	300 00	311.00	311.00	0 54	0 57	301.13	2858 75	-4733 45	5529 74	5528.63	5000.45	
400 00	400 00	411.00	411.00	0 77	0 79	301 13	2858 75	-4733.45	5529.74	5528.18	3555.23	
500 00	500 00	511.00	511.00	0 99	1 01	301 13	2858.75	-4733.45	5529 74	5527 73	2758 09	
600 00	600 00	611.00	611.00	1 21	1 24	301 13	2858 75	-4733 45	5529 74	5527 28	2252.95	
700 00	700 00	711.00	711.00	1 44	1 46	301 13	2858 75	-4733 45	5529 74	5526 83	1904 19	
800 00	800 00	811.00	811.00	1 66	1 69	301.13	2858 75	-4733.45	5529.74	5526 38	1648 94	
900 00	900 00	911.00	911.00	1 89	1 91	301.13	2858 75	-4733.45	5529.74	5525.93	1454 03	
1000 00	1000 00	1011.00	1011.00	2 11	2 14	301 13	2858.75	-4733 45	5529.74	5525 49	1300.33	
1100 00	1100 00	1111.00	1111.00	2 34	2 36	301 13	2858.75	-4733 45	5529 74	5525 04	1176 01	
1200 00	1200 00	1211.00	1211.00	2 56	2 59	301 13	2858 75	-4733 45	5529 74	5524 59	1073 39	
1300 00	1300 00	1311.00	1311.00	2 79	2 81	301 13	2858.75	-4733 45	5529 74	5524.14	987.25	
1400 00	1400 00	1411.00	1411.00	3 01	3 04	301.13	2858 75	-4733.45	5529.74	5523 69	913 90	
1500 00	1500 00	1511.00	1511.00	3 24	3 26	301 13	2858 75	-4733.45	5529.74	5523.24	850.70	
1600 00	1600 00	1611.00	1611.00	3 46	3 49	301.13	2858.75	-4733 45	5529 74	5522.79	795 67	
1700 00	1700 00	1711.00	1711.00	3 69	3 71	301 13	2858.75	-4733 45	5529 74	5522 34	747 33	
1800 00	1800 00	1811.00	1811.00	3 91	3 94	301.13	2858 75	-4733.45	5529.74	5521 89	704 53	
1900 00	1900 00	1911.00	1911.00	4 14	4 16	301.13	2858 75	-4733 45	5529 74	5521 44	666 37	
2000 00	2000 00	2011.00	2011.00	4 36	4 39	301 13	2858.75	-4733 45	5529.74	5520.99	632 12	
2100 00	2100 00	2111.00	2111.00	4 59	4 61	301 13	2858.75	-4733 45	5529.74	5520.54	601 23	
2200 00	2200 00	2211.00	2211.00	4 81	4 84	301.13	2858 75	-4733 45	5529 74	5520 09	573 21	
2300 00	2300 00	2311.00	2311.00	5 04	5 06	301.13	2858 75	-4733 45	5529 74	5519 64	547 69	
2400 00	2400 00	2411.00	2411.00	5 26	5 29	301 13	2858 75	-4733 45	5529 74	5519 19	524 34	
2500 00	2500 00	2511.00	2511.00	5 49	5 51	301 13	2858.75	-4733 45	5529.74	5518 74	502 91	
2600 00	2600 00	2611.00	2611.00	5 71	5 73	301.13	2858.75	-4733 45	5529.74	5518 29	483 15	
2700 00	2700 00	2711.00	2711.00	5 93	5 96	301 13	2858 75	-4733 45	5529.74	5517.84	464 89	
2800 00	2800 00	2811.00	2811.00	6 16	6 18	301 13	2858.75	-4733 45	5529.74	5517.39	447 96	
2900 00	2900 00	2911.00	2911.00	6 38	6 41	301 13	2858 75	-4733 45	5529.74	5516.94	432 22	
3000 00	3000 00	3011.00	3011.00	6 61	6 63	301.13	2858.75	-4733 45	5529 74	5516 49	417.55	
3100 00	3100 00	3111.00	3111.00	6 83	6 86	301 13	2858.75	-4733 45	5529 74	5516 05	403 84	
3200 00	3200 00	3211.00	3211.00	7 06	7 08	301 13	2858 75	-4733 45	5529 74	5515 60	391 01	
3300 00	3300 00	3311.00	3311.00	7 28	7 31	301 13	2858 75	-4733 45	5529 74	5515 15	378 96	
3400 00	3400 00	3411.00	3411.00	7 51	7 53	301 13	2858 75	-4733 45	5529.74	5514 70	367.64	
3500 00	3500 00	3511.00	3511.00	7 73	7 76	301.13	2858 75	-4733 45	5529.74	5514.25	356 97	



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Coral PWU 28 7H
Reference Well: Coral PWU 28 7H
Reference Wellpath:

Date: 7/2/2012 Time: 12 17 37
Co-ordinate(NE) Reference: Well Coral PWU 28 7H, Grid North
Vertical (TVD) Reference: SITE 3329.0

Page: 2

Db: Sybase

Site: Coral PWU 28 1H
Well: 1H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	3600.00	3611.00	3611.00	7.96	7.98	301.13	2858.75	-4733.45	5529.74	5513.80	346.90	
3700.00	3700.00	3711.00	3711.00	8.18	8.21	301.13	2858.75	-4733.45	5529.74	5513.35	337.39	
3800.00	3800.00	3811.00	3811.00	8.41	8.43	301.13	2858.75	-4733.45	5529.74	5512.90	328.38	
3900.00	3900.00	3911.00	3911.00	8.63	8.66	301.13	2858.75	-4733.45	5529.74	5512.45	319.84	
4000.00	4000.00	4011.00	4011.00	8.86	8.88	301.13	2858.75	-4733.45	5529.74	5512.00	311.74	
4100.00	4100.00	4111.00	4111.00	9.08	9.11	301.13	2858.75	-4733.45	5529.74	5511.55	304.03	
4200.00	4200.00	4211.00	4211.00	9.31	9.33	301.13	2858.75	-4733.45	5529.74	5511.10	296.70	
4300.00	4300.00	4311.00	4311.00	9.53	9.56	301.13	2858.75	-4733.45	5529.74	5510.65	289.71	
4400.00	4400.00	4411.00	4411.00	9.76	9.78	301.13	2858.75	-4733.45	5529.74	5510.20	283.04	
4500.00	4500.00	4511.00	4511.00	9.98	10.01	301.13	2858.75	-4733.45	5529.74	5509.75	276.68	
4600.00	4600.00	4611.00	4611.00	10.21	10.23	301.13	2858.75	-4733.45	5529.74	5509.30	270.59	
4700.00	4700.00	4711.00	4711.00	10.43	10.45	301.13	2858.75	-4733.45	5529.74	5508.85	264.77	
4800.00	4800.00	4811.00	4811.00	10.66	10.68	301.13	2858.75	-4733.45	5529.74	5508.40	259.19	
4900.00	4900.00	4911.00	4911.00	10.88	10.90	301.13	2858.75	-4733.45	5529.74	5507.95	253.84	
5000.00	5000.00	5011.00	5011.00	11.10	11.13	301.13	2858.75	-4733.45	5529.74	5507.50	248.71	
5100.00	5100.00	10426.44	7927.42	11.33	54.59	270.75	62.17	-4731.19	5506.38	5446.85	92.49	
5200.00	5200.00	10428.78	7927.47	11.55	54.63	270.72	59.83	-4731.19	5455.91	5395.76	90.71	
5300.00	5300.00	10431.12	7927.53	11.78	54.67	270.70	57.48	-4731.19	5406.81	5346.05	88.98	
5400.00	5400.00	10433.47	7927.58	12.00	54.71	270.67	55.14	-4731.18	5359.13	5297.76	87.32	
5500.00	5500.00	10435.81	7927.64	12.23	54.75	270.64	52.80	-4731.18	5312.91	5250.92	85.71	
5600.00	5600.00	10438.15	7927.69	12.45	54.79	270.61	50.46	-4731.18	5268.18	5205.59	84.17	
5700.00	5700.00	10440.49	7927.75	12.68	54.83	270.58	48.12	-4731.18	5224.97	5161.78	82.69	
5800.00	5800.00	10442.84	7927.80	12.90	54.87	270.55	45.77	-4731.18	5183.34	5119.56	81.27	
5900.00	5900.00	10445.18	7927.86	13.13	54.91	270.53	43.43	-4731.17	5143.31	5078.94	79.91	
6000.00	6000.00	10447.52	7927.91	13.35	54.95	270.50	41.09	-4731.17	5104.92	5039.98	78.60	
6100.00	6100.00	10449.86	7927.97	13.58	55.00	270.47	38.75	-4731.17	5068.22	5002.70	77.36	
6200.00	6200.00	10452.21	7928.02	13.80	55.04	270.44	36.41	-4731.17	5033.23	4967.16	76.17	
6300.00	6300.00	10454.55	7928.08	14.03	55.08	270.41	34.07	-4731.17	5000.00	4933.38	75.05	
6400.00	6400.00	10456.89	7928.13	14.25	55.12	270.38	31.72	-4731.16	4968.56	4901.40	73.98	
6500.00	6499.97	10459.26	7928.19	14.48	55.16	1.68	29.36	-4731.16	4937.75	4870.08	72.97	
6600.00	6598.67	10461.90	7928.25	14.70	55.20	1.78	26.71	-4731.16	4895.63	4827.77	72.14	
6700.00	6693.22	10464.81	7928.32	14.94	55.25	1.96	23.81	-4731.16	4839.89	4772.20	71.50	
6800.00	6780.74	10467.90	7928.39	15.24	55.31	2.25	20.72	-4731.16	4771.77	4704.60	71.04	
6900.00	6858.58	10471.07	7928.46	15.65	55.36	2.75	17.55	-4731.15	4692.87	4626.50	70.71	
7000.00	6924.37	10474.23	7928.54	16.27	55.42	3.71	14.39	-4731.15	4605.09	4539.71	70.43	
7100.00	6976.11	10477.29	7928.61	17.18	55.47	6.07	11.33	-4731.15	4510.66	4446.27	70.04	
7200.00	7012.24	10480.14	7928.68	18.41	55.52	18.85	8.48	-4731.15	4412.12	4347.34	68.10	
7300.00	7031.64	10482.71	7928.74	19.95	55.57	165.26	5.91	-4731.14	4312.29	4248.35	67.44	
7400.00	7035.00	10484.95	7928.79	21.72	55.60	172.92	3.68	-4731.14	4213.92	4150.80	66.76	
7500.00	7035.00	10487.10	7928.84	23.68	55.64	173.06	1.52	-4731.14	4116.23	4052.74	64.83	
7600.00	7035.00	10489.26	7928.89	25.77	55.68	173.20	-0.64	-4731.14	4018.65	3954.74	62.88	
7700.00	7035.00	10491.42	7928.94	27.99	55.72	173.34	-2.79	-4731.14	3921.19	3856.83	60.93	
7800.00	7035.00	10493.58	7928.99	30.29	55.75	173.48	-4.95	-4731.13	3823.86	3759.02	58.98	
7900.00	7035.00	10495.73	7929.04	32.66	55.79	173.61	-7.11	-4731.13	3726.67	3661.33	57.04	
8000.00	7035.00	10497.89	7929.09	35.08	55.83	173.75	-9.27	-4731.13	3629.63	3563.77	55.11	
8100.00	7035.00	10500.05	7929.14	37.55	55.87	173.89	-11.42	-4731.13	3532.76	3466.37	53.21	
8200.00	7035.00	10502.21	7929.19	40.06	55.90	174.03	-13.58	-4731.13	3436.06	3369.13	51.34	
8300.00	7035.00	10504.36	7929.24	42.60	55.94	174.17	-15.74	-4731.13	3339.56	3272.08	49.49	
8400.00	7035.00	10506.52	7929.29	45.16	55.98	174.31	-17.89	-4731.12	3243.26	3175.23	47.67	
8500.00	7035.00	10508.68	7929.34	47.74	56.02	174.45	-20.05	-4731.12	3147.20	3078.62	45.89	
8600.00	7035.00	10510.84	7929.39	50.34	56.05	174.59	-22.21	-4731.12	3051.39	2982.26	44.14	

Company: Devon Energy	Date: 7/2/2012	Time: 12:17 37
Field: Eddy Co., NM (NAD 83)		Page: 3
Reference Site: Coral PWU 28 7H	Co-ordinate(NE) Reference: Well Coral PWU 28 7H, Grd North	
Reference Well: Coral PWU 28 7H	Vertical (TVD) Reference: SITE 3329 0	
Reference Wellpath:	Db: Sybase	

Site: Coral PWU 28 1H
 Well: 1H
 Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Edge Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8700.00	7035.00	10512.99	7929.45	52.96	56.09	174.72	-24.36	-4731.12	2955.85	2886.18	42.43	
8800.00	7035.00	10515.15	7929.50	55.59	56.13	174.86	-26.52	-4731.12	2860.62	2790.42	40.75	
8900.00	7035.00	10517.31	7929.55	58.22	56.17	175.00	-28.68	-4731.12	2765.72	2695.00	39.11	
9000.00	7035.00	10519.47	7929.60	60.87	56.20	175.14	-30.83	-4731.11	2671.20	2599.97	37.50	
9100.00	7035.00	10521.62	7929.65	63.53	56.24	175.28	-32.99	-4731.11	2577.08	2505.36	35.93	
9200.00	7035.00	10523.78	7929.70	66.20	56.28	175.42	-35.15	-4731.11	2483.42	2411.23	34.40	
9300.00	7035.00	10525.94	7929.75	68.87	56.32	175.56	-37.30	-4731.11	2390.28	2317.65	32.91	
9400.00	7035.00	10528.10	7929.80	71.55	56.35	175.70	-39.46	-4731.11	2297.71	2224.66	31.46	
9500.00	7035.00	10530.25	7929.85	74.23	56.39	175.84	-41.62	-4731.11	2205.78	2132.36	30.04	
9600.00	7035.00	10532.41	7929.90	76.92	56.43	175.98	-43.78	-4731.10	2114.59	2040.82	28.67	
9700.00	7035.00	10534.57	7929.95	79.61	56.47	176.12	-45.93	-4731.10	2024.22	1950.17	27.33	
9800.00	7035.00	10536.73	7930.00	82.31	56.50	176.26	-48.09	-4731.10	1934.80	1860.52	26.05	
9900.00	7035.00	10538.88	7930.05	85.01	56.54	176.40	-50.25	-4731.10	1846.47	1772.02	24.80	
10000.00	7035.00	10541.04	7930.10	87.71	56.58	176.53	-52.40	-4731.10	1759.38	1684.85	23.61	
10100.00	7035.00	10543.20	7930.15	90.42	56.62	176.67	-54.56	-4731.09	1673.73	1599.21	22.46	
10200.00	7035.00	10545.36	7930.20	93.12	56.66	176.81	-56.72	-4731.09	1589.76	1515.37	21.37	
10300.00	7035.00	10547.51	7930.25	95.83	56.69	176.95	-58.87	-4731.09	1507.74	1433.61	20.34	
10400.00	7035.00	10549.67	7930.30	98.55	56.73	177.09	-61.03	-4731.09	1428.01	1354.31	19.38	
10500.00	7035.00	10551.83	7930.35	101.26	56.77	177.23	-63.19	-4731.09	1350.97	1277.90	18.49	
10600.00	7035.00	10553.99	7930.41	103.98	56.81	177.37	-65.34	-4731.09	1277.12	1204.89	17.68	
10700.00	7035.00	10556.14	7930.46	106.70	56.84	177.51	-67.50	-4731.08	1207.04	1135.92	16.97	
10800.00	7035.00	10558.30	7930.51	109.42	56.88	177.65	-69.66	-4731.08	1141.42	1071.71	16.37	
10900.00	7035.00	10560.46	7930.56	112.14	56.92	177.79	-71.82	-4731.08	1081.08	1013.09	15.90	
11000.00	7035.00	10562.62	7930.61	114.86	56.96	177.93	-73.97	-4731.08	1026.94	960.99	15.57	
11100.00	7035.00	10564.77	7930.66	117.58	56.99	178.07	-76.13	-4731.08	980.04	916.37	15.39	
11200.00	7035.00	10566.93	7930.71	120.31	57.03	178.21	-78.29	-4731.08	941.46	880.16	15.36	
11300.00	7035.00	10569.09	7930.76	123.04	57.07	178.35	-80.44	-4731.07	912.24	853.13	15.43	
11400.00	7035.00	10571.25	7930.81	125.76	57.11	178.49	-82.60	-4731.07	893.33	835.75	15.52	
11500.00	7035.00	10573.40	7930.86	128.49	57.14	178.63	-84.76	-4731.07	885.36	828.14	15.47	
11588.32	7035.00	10575.31	7930.90	130.90	57.18	178.75	-86.66	-4731.07	887.68	829.53	15.27	

Site: Coral PWU 28 2H
 Well: #2
 Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Edge Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	6.00	-6.00	0.00	0.01	243.32	-1748.44	-3480.03	3894.57			No Data
100.00	100.00	94.00	94.00	0.09	0.09	243.32	-1748.44	-3480.03	3894.57	3894.39	22053.21	
200.00	200.00	194.00	194.00	0.32	0.30	243.32	-1748.44	-3480.03	3894.57	3893.95	6300.80	
300.00	300.00	294.00	294.00	0.54	0.53	243.32	-1748.44	-3480.03	3894.57	3893.50	3647.83	
400.00	400.00	394.00	394.00	0.77	0.75	243.32	-1748.44	-3480.03	3894.57	3893.05	2566.99	
500.00	500.00	494.00	494.00	0.99	0.98	243.32	-1748.44	-3480.03	3894.57	3892.60	1980.25	
600.00	600.00	594.00	594.00	1.21	1.20	243.32	-1748.44	-3480.03	3894.57	3892.15	1611.83	
700.00	700.00	694.00	694.00	1.44	1.43	243.32	-1748.44	-3480.03	3894.57	3891.70	1359.00	
800.00	800.00	794.00	794.00	1.66	1.65	243.32	-1748.44	-3480.03	3894.57	3891.25	1174.73	
900.00	900.00	894.00	894.00	1.89	1.88	243.32	-1748.44	-3480.03	3894.57	3890.80	1034.46	
1000.00	1000.00	994.00	994.00	2.11	2.10	243.32	-1748.44	-3480.03	3894.57	3890.35	924.12	
1100.00	1100.00	1094.00	1094.00	2.34	2.33	243.32	-1748.44	-3480.03	3894.57	3889.90	835.05	
1200.00	1200.00	1194.00	1194.00	2.56	2.55	243.32	-1748.44	-3480.03	3894.57	3889.45	761.64	
1300.00	1300.00	1294.00	1294.00	2.79	2.77	243.32	-1748.44	-3480.03	3894.57	3889.00	700.09	
1400.00	1400.00	1394.00	1394.00	3.01	3.00	243.32	-1748.44	-3480.03	3894.57	3888.55	647.75	



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Coral PWU 28 7H
Reference Well: Coral PWU 28 7H
Reference Wellpath:

Date: 7/2/2012

Time: 12 17.37

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Co-ordinate(NE) Reference: Well: Coral PWU 28 7H, Grd North
Vertical (TVD) Reference: SITE 3329.0

Db: Sybase

Site: Coral PWU 28 2H
Well: #2
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
1500.00	1500.00	1494.00	1494.00	3.24	3.22	243.32	-1748.44	-3480.03	3894.57	3888.10	602.69	
1600.00	1600.00	1594.00	1594.00	3.46	3.45	243.32	-1748.44	-3480.03	3894.57	3887.66	563.49	
1700.00	1700.00	1694.00	1694.00	3.69	3.67	243.32	-1748.44	-3480.03	3894.57	3887.21	529.07	
1800.00	1800.00	1794.00	1794.00	3.91	3.90	243.32	-1748.44	-3480.03	3894.57	3886.76	498.62	
1900.00	1900.00	1894.00	1894.00	4.14	4.12	243.32	-1748.44	-3480.03	3894.57	3886.31	471.49	
2000.00	2000.00	1994.00	1994.00	4.36	4.35	243.32	-1748.44	-3480.03	3894.57	3885.86	447.15	
2100.00	2100.00	2094.00	2094.00	4.59	4.57	243.32	-1748.44	-3480.03	3894.57	3885.41	425.21	
2200.00	2200.00	2194.00	2194.00	4.81	4.80	243.32	-1748.44	-3480.03	3894.57	3884.96	405.31	
2300.00	2300.00	2294.00	2294.00	5.04	5.02	243.32	-1748.44	-3480.03	3894.57	3884.51	387.20	
2400.00	2400.00	2394.00	2394.00	5.26	5.25	243.32	-1748.44	-3480.03	3894.57	3884.06	370.64	
2500.00	2500.00	2494.00	2494.00	5.49	5.47	243.32	-1748.44	-3480.03	3894.57	3883.61	355.43	
2600.00	2600.00	2594.00	2594.00	5.71	5.70	243.32	-1748.44	-3480.03	3894.57	3883.16	341.42	
2700.00	2700.00	2694.00	2694.00	5.93	5.92	243.32	-1748.44	-3480.03	3894.57	3882.71	328.48	
2800.00	2800.00	2794.00	2794.00	6.16	6.15	243.32	-1748.44	-3480.03	3894.57	3882.26	316.48	
2900.00	2900.00	2894.00	2894.00	6.38	6.37	243.32	-1748.44	-3480.03	3894.57	3881.81	305.33	
3000.00	3000.00	2994.00	2994.00	6.61	6.60	243.32	-1748.44	-3480.03	3894.57	3881.36	294.93	
3100.00	3100.00	3094.00	3094.00	6.83	6.82	243.32	-1748.44	-3480.03	3894.57	3880.91	285.22	
3200.00	3200.00	3194.00	3194.00	7.06	7.05	243.32	-1748.44	-3480.03	3894.57	3880.46	276.13	
3300.00	3300.00	3294.00	3294.00	7.28	7.27	243.32	-1748.44	-3480.03	3894.57	3880.01	267.60	
3400.00	3400.00	3394.00	3394.00	7.51	7.49	243.32	-1748.44	-3480.03	3894.57	3879.56	259.58	
3500.00	3500.00	3494.00	3494.00	7.73	7.72	243.32	-1748.44	-3480.03	3894.57	3879.11	252.03	
3600.00	3600.00	3594.00	3594.00	7.96	7.94	243.32	-1748.44	-3480.03	3894.57	3878.66	244.91	
3700.00	3700.00	3694.00	3694.00	8.18	8.17	243.32	-1748.44	-3480.03	3894.57	3878.22	238.17	
3800.00	3800.00	3794.00	3794.00	8.41	8.39	243.32	-1748.44	-3480.03	3894.57	3877.77	231.80	
3900.00	3900.00	3894.00	3894.00	8.63	8.62	243.32	-1748.44	-3480.03	3894.57	3877.32	225.76	
4000.00	4000.00	3994.00	3994.00	8.86	8.84	243.32	-1748.44	-3480.03	3894.57	3876.87	220.03	
4100.00	4100.00	4094.00	4094.00	9.08	9.07	243.32	-1748.44	-3480.03	3894.57	3876.42	214.58	
4200.00	4200.00	4194.00	4194.00	9.31	9.29	243.32	-1748.44	-3480.03	3894.57	3875.97	209.39	
4300.00	4300.00	4294.00	4294.00	9.53	9.52	243.32	-1748.44	-3480.03	3894.57	3875.52	204.45	
4400.00	4400.00	4394.00	4394.00	9.76	9.74	243.32	-1748.44	-3480.03	3894.57	3875.07	199.74	
4500.00	4500.00	4494.00	4494.00	9.98	9.97	243.32	-1748.44	-3480.03	3894.57	3874.62	195.24	
4600.00	4600.00	4594.00	4594.00	10.21	10.19	243.32	-1748.44	-3480.03	3894.57	3874.17	190.93	
4700.00	4700.00	4694.00	4694.00	10.43	10.42	243.32	-1748.44	-3480.03	3894.57	3873.72	186.82	
4800.00	4800.00	4794.00	4794.00	10.66	10.64	243.32	-1748.44	-3480.03	3894.57	3873.27	182.87	
4900.00	4900.00	4894.00	4894.00	10.88	10.87	243.32	-1748.44	-3480.03	3894.57	3872.82	179.09	
5000.00	5000.00	4994.00	4994.00	11.10	11.09	243.32	-1748.44	-3480.03	3894.57	3872.37	175.47	
5100.00	5100.00	5094.00	5094.00	11.33	11.32	243.32	-1748.44	-3480.03	3894.57	3871.92	171.98	
5200.00	5200.00	5194.00	5194.00	11.55	11.54	243.32	-1748.44	-3480.03	3894.57	3871.47	168.63	
5300.00	5300.00	5294.00	5294.00	11.78	11.77	243.32	-1748.44	-3480.03	3894.57	3871.02	165.41	
5400.00	5400.00	5394.00	5394.00	12.00	11.99	243.32	-1748.44	-3480.03	3894.57	3870.57	162.32	
5500.00	5500.00	5494.00	5494.00	12.23	12.21	243.32	-1748.44	-3480.03	3894.57	3870.12	159.33	
5600.00	5600.00	5594.00	5594.00	12.45	12.44	243.32	-1748.44	-3480.03	3894.57	3869.67	156.45	
5700.00	5700.00	5694.00	5694.00	12.68	12.66	243.32	-1748.44	-3480.03	3894.57	3869.22	153.68	
5800.00	5800.00	5794.00	5794.00	12.90	12.89	243.32	-1748.44	-3480.03	3894.57	3868.77	151.00	
5900.00	5900.00	5894.00	5894.00	13.13	13.11	243.32	-1748.44	-3480.03	3894.57	3868.33	148.41	
6000.00	6000.00	5994.00	5994.00	13.35	13.34	243.32	-1748.44	-3480.03	3894.57	3867.88	145.91	
6100.00	6100.00	6094.00	6094.00	13.58	13.56	243.32	-1748.44	-3480.03	3894.57	3867.43	143.50	
6200.00	6200.00	6194.00	6194.00	13.80	13.79	243.32	-1748.44	-3480.03	3894.57	3866.98	141.16	
6300.00	6300.00	6294.00	6294.00	14.03	14.01	243.32	-1748.44	-3480.03	3894.57	3866.53	138.90	
6400.00	6400.00	6394.00	6394.00	14.25	14.24	243.32	-1748.44	-3480.03	3894.57	3866.08	136.70	



Weatherford Anticollision Report



Company: Devon Energy Date: 7/2/2012 Time: 12 17 37 Page: 5
Field: Eddy Co., NM (NAD 83)
Reference Site: Coral PWU 28 7H Co-ordinate(NE) Reference: Well Coral PWU 28 7H, Grid North
Reference Well: Coral PWU 28 7H Vertical (TVD) Reference: SITE 3329 0
Reference Wellpath: Db: Sybase

Site: Coral PWU 28 2H

Well: #2

Wellpath: 1 V0 Plan Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
6500.00	6499.97	9208.75	7917.64	14.48	32.85	357.50	-232.98	-3589.60	3867.46	3822.05	85.17	
6600.00	6598.67	9207.68	7917.66	14.70	32.83	357.22	-234.05	-3589.52	3817.92	3772.39	83.86	
6700.00	6693.22	9207.53	7917.66	14.94	32.83	356.80	-234.20	-3589.51	3755.75	3710.47	82.94	
6800.00	6780.74	9208.30	7917.65	15.24	32.84	356.14	-233.44	-3589.56	3682.28	3637.57	82.36	
6900.00	6858.58	9209.97	7917.62	15.65	32.87	355.03	-231.77	-3589.68	3599.11	3555.23	82.03	
7000.00	6924.37	9212.49	7917.57	16.27	32.91	352.80	-229.26	-3589.86	3508.17	3465.26	81.77	
7100.00	6976.11	9215.78	7917.51	17.18	32.96	346.27	-225.98	-3590.10	3411.72	3369.47	80.75	
7200.00	7012.24	9219.74	7917.44	18.41	33.02	275.17	-222.03	-3590.39	3312.34	3262.01	65.82	
7300.00	7031.64	9224.26	7917.35	19.95	33.09	193.92	-217.52	-3590.71	3212.91	3171.61	77.79	
7400.00	7035.00	9229.17	7917.26	21.72	33.17	188.46	-212.63	-3591.07	3116.22	3075.46	76.46	
7500.00	7035.00	9234.14	7917.17	23.68	33.25	188.15	-207.67	-3591.43	3020.59	2979.45	73.42	
7600.00	7035.00	9239.12	7917.08	25.77	33.33	187.84	-202.71	-3591.78	2925.25	2883.69	70.38	
7700.00	7035.00	9244.09	7916.99	27.99	33.40	187.52	-197.75	-3592.14	2830.23	2788.21	67.37	
7800.00	7035.00	9249.07	7916.89	30.29	33.48	187.21	-192.78	-3592.50	2735.54	2693.07	64.40	
7900.00	7035.00	9254.04	7916.80	32.66	33.56	186.89	-187.82	-3592.86	2641.25	2598.29	61.49	
8000.00	7035.00	9259.02	7916.71	35.08	33.64	186.58	-182.86	-3593.22	2547.37	2503.93	58.64	
8100.00	7035.00	9263.99	7916.62	37.55	33.72	186.26	-177.90	-3593.58	2453.97	2410.05	55.87	
8200.00	7035.00	9268.97	7916.52	40.06	33.80	185.95	-172.94	-3593.94	2361.10	2316.70	53.18	
8300.00	7035.00	9273.94	7916.43	42.60	33.88	185.63	-167.98	-3594.30	2268.83	2223.96	50.57	
8400.00	7035.00	9278.92	7916.34	45.16	33.95	185.31	-163.02	-3594.65	2177.22	2131.91	48.04	
8500.00	7035.00	9283.89	7916.25	47.74	34.03	184.99	-158.05	-3595.01	2086.38	2040.63	45.60	
8600.00	7035.00	9288.87	7916.16	50.34	34.11	184.68	-153.09	-3595.37	1996.40	1950.24	43.25	
8700.00	7035.00	9293.84	7916.06	52.96	34.19	184.36	-148.13	-3595.73	1907.40	1860.87	40.99	
8800.00	7035.00	9298.82	7915.97	55.59	34.27	184.04	-143.17	-3596.09	1819.54	1772.67	38.82	
8900.00	7035.00	9303.79	7915.88	58.22	34.35	183.72	-138.21	-3596.45	1732.98	1685.82	36.75	
9000.00	7035.00	9308.77	7915.79	60.87	34.43	183.40	-133.25	-3596.81	1647.92	1600.53	34.78	
9100.00	7035.00	9313.75	7915.69	63.53	34.51	183.08	-128.29	-3597.16	1564.61	1517.07	32.91	
9200.00	7035.00	9318.72	7915.60	66.20	34.59	182.76	-123.32	-3597.52	1483.36	1435.73	31.15	
9300.00	7035.00	9323.70	7915.51	68.87	34.67	182.44	-118.36	-3597.88	1404.50	1356.90	29.50	
9400.00	7035.00	9328.67	7915.42	71.55	34.75	182.12	-113.40	-3598.24	1328.48	1281.01	27.99	
9500.00	7035.00	9333.65	7915.33	74.23	34.83	181.80	-108.44	-3598.60	1255.80	1208.62	26.61	
9600.00	7035.00	9338.62	7915.23	76.92	34.91	181.48	-103.48	-3598.96	1187.09	1140.34	25.39	
9700.00	7035.00	9343.60	7915.14	79.61	34.99	181.16	-98.52	-3599.32	1123.06	1076.92	24.34	
9800.00	7035.00	9348.57	7915.05	82.31	35.07	180.84	-93.55	-3599.68	1064.56	1019.22	23.48	
9900.00	7035.00	9353.55	7914.96	85.01	35.15	180.52	-88.59	-3600.03	1012.56	968.18	22.82	
10000.00	7035.00	9358.52	7914.86	87.71	35.23	180.19	-83.63	-3600.39	968.10	924.81	22.36	
10100.00	7035.00	9363.50	7914.77	90.42	35.31	179.87	-78.67	-3600.75	932.25	890.05	22.09	
10200.00	7035.00	9368.47	7914.68	93.12	35.39	179.55	-73.71	-3601.11	906.05	864.73	21.93	
10300.00	7035.00	9373.45	7914.59	95.83	35.47	179.23	-68.75	-3601.47	890.35	849.41	21.75	
10400.00	7035.00	9378.42	7914.49	98.55	35.55	178.91	-63.79	-3601.83	885.70	844.36	21.43	
10500.00	7035.00	9383.40	7914.40	101.26	35.63	178.59	-58.82	-3602.19	892.27	849.64	20.93	
10600.00	7035.00	9388.37	7914.31	103.98	35.71	178.27	-53.86	-3602.55	909.83	865.15	20.36	
10700.00	7035.00	9393.35	7914.22	106.70	35.79	177.94	-48.90	-3602.90	937.75	890.56	19.87	
10800.00	7035.00	9398.33	7914.13	109.42	35.87	177.62	-43.94	-3603.26	975.15	925.26	19.55	
10900.00	7035.00	9403.30	7914.03	112.14	35.95	177.30	-38.98	-3603.62	1020.98	968.40	19.42	
11000.00	7035.00	9408.28	7913.94	114.86	36.03	176.98	-34.02	-3603.98	1074.17	1019.01	19.47	
11100.00	7035.00	9413.25	7913.85	117.58	36.11	176.66	-29.06	-3604.34	1133.68	1076.09	19.68	
11200.00	7035.00	9418.23	7913.76	120.31	36.19	176.34	-24.09	-3604.70	1198.57	1138.72	20.03	
11300.00	7035.00	9423.20	7913.66	123.04	36.27	176.02	-19.13	-3605.06	1268.02	1206.06	20.47	
11400.00	7035.00	9428.18	7913.57	125.76	36.35	175.70	-14.17	-3605.42	1341.31	1277.39	20.98	
11500.00	7035.00	9433.15	7913.48	128.49	36.43	175.38	-9.21	-3605.77	1417.85	1352.09	21.56	



Weatherford Anticollision Report



Company: Devon Energy Date: 7/2/2012 Time: 12.17.37 Page: 6
Field: Eddy Co., NM (NAD 83)
Reference Site: Coral PWU 28 7H Co-ordinate(NE) Reference: Well. Coral PWU 28 7H, Grid North
Reference Well: Coral PWU 28 7H Vertical (TVD) Reference: SITE 3329.0
Reference Wellpath#: Db: Sybase

Site: Coral PWU 28 2H

Well: #2

Wellpath: 1 V0 Plan Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
11588.32	7035.00	9437.55	7913.40	130.90	36.51	175.09	-4.83	-3606.09	1487.75	1420.45	22.10	

Site: Coral PWU 28 3H

Well: 3H

Wellpath: 1 V1 Plan Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	TVD	Offset MD	TVD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	9.00	-9.00	0.00	0.01	221.08	-1763.53	-1537.14	2339.41			No Data
100.00	100.00	91.00	91.00	0.09	0.08	221.08	-1763.53	-1537.14	2339.41	2339.24	13455.11	
200.00	200.00	191.00	191.00	0.32	0.30	221.08	-1763.53	-1537.14	2339.41	2338.80	3826.54	
300.00	300.00	291.00	291.00	0.54	0.52	221.08	-1763.53	-1537.14	2339.41	2338.35	2205.13	
400.00	400.00	391.00	391.00	0.77	0.75	221.08	-1763.53	-1537.14	2339.41	2337.90	1548.84	
500.00	500.00	491.00	491.00	0.99	0.97	221.08	-1763.53	-1537.14	2339.41	2337.45	1193.60	
600.00	600.00	591.00	591.00	1.21	1.19	221.08	-1763.53	-1537.14	2339.41	2337.00	970.91	
700.00	700.00	691.00	691.00	1.44	1.42	221.08	-1763.53	-1537.14	2339.41	2336.55	818.25	
800.00	800.00	791.00	791.00	1.66	1.64	221.08	-1763.53	-1537.14	2339.41	2336.10	707.08	
900.00	900.00	891.00	891.00	1.89	1.87	221.08	-1763.53	-1537.14	2339.41	2335.65	622.50	
1000.00	1000.00	991.00	991.00	2.11	2.09	221.08	-1763.53	-1537.14	2339.41	2335.20	555.99	
1100.00	1100.00	1091.00	1091.00	2.34	2.32	221.08	-1763.53	-1537.14	2339.41	2334.75	502.33	
1200.00	1200.00	1191.00	1191.00	2.56	2.54	221.08	-1763.53	-1537.14	2339.41	2334.30	458.11	
1300.00	1300.00	1291.00	1291.00	2.79	2.77	221.08	-1763.53	-1537.14	2339.41	2333.85	421.04	
1400.00	1400.00	1391.00	1391.00	3.01	2.99	221.08	-1763.53	-1537.14	2339.41	2333.40	389.53	
1500.00	1500.00	1491.00	1491.00	3.24	3.22	221.08	-1763.53	-1537.14	2339.41	2332.95	362.40	
1600.00	1600.00	1591.00	1591.00	3.46	3.44	221.08	-1763.53	-1537.14	2339.41	2332.50	338.81	
1700.00	1700.00	1691.00	1691.00	3.69	3.67	221.08	-1763.53	-1537.14	2339.41	2332.06	318.10	
1800.00	1800.00	1791.00	1791.00	3.91	3.89	221.08	-1763.53	-1537.14	2339.41	2331.61	299.78	
1900.00	1900.00	1891.00	1891.00	4.14	4.12	221.08	-1763.53	-1537.14	2339.41	2331.16	283.45	
2000.00	2000.00	1991.00	1991.00	4.36	4.34	221.08	-1763.53	-1537.14	2339.41	2330.71	268.81	
2100.00	2100.00	2091.00	2091.00	4.59	4.57	221.08	-1763.53	-1537.14	2339.41	2330.26	255.60	
2200.00	2200.00	2191.00	2191.00	4.81	4.79	221.08	-1763.53	-1537.14	2339.41	2329.81	243.64	
2300.00	2300.00	2291.00	2291.00	5.04	5.02	221.08	-1763.53	-1537.14	2339.41	2329.36	232.74	
2400.00	2400.00	2391.00	2391.00	5.26	5.24	221.08	-1763.53	-1537.14	2339.41	2328.91	222.78	
2500.00	2500.00	2491.00	2491.00	5.49	5.47	221.08	-1763.53	-1537.14	2339.41	2328.46	213.63	
2600.00	2600.00	2591.00	2591.00	5.71	5.69	221.08	-1763.53	-1537.14	2339.41	2328.01	205.21	
2700.00	2700.00	2691.00	2691.00	5.93	5.91	221.08	-1763.53	-1537.14	2339.41	2327.56	197.42	
2800.00	2800.00	2791.00	2791.00	6.16	6.14	221.08	-1763.53	-1537.14	2339.41	2327.11	190.21	
2900.00	2900.00	2891.00	2891.00	6.38	6.36	221.08	-1763.53	-1537.14	2339.41	2326.66	183.50	
3000.00	3000.00	2991.00	2991.00	6.61	6.59	221.08	-1763.53	-1537.14	2339.41	2326.21	177.25	
3100.00	3100.00	3091.00	3091.00	6.83	6.81	221.08	-1763.53	-1537.14	2339.41	2325.76	171.41	
3200.00	3200.00	3191.00	3191.00	7.06	7.04	221.08	-1763.53	-1537.14	2339.41	2325.31	165.95	
3300.00	3300.00	3291.00	3291.00	7.28	7.26	221.08	-1763.53	-1537.14	2339.41	2324.86	160.82	
3400.00	3400.00	3391.00	3391.00	7.51	7.49	221.08	-1763.53	-1537.14	2339.41	2324.41	156.00	
3500.00	3500.00	3491.00	3491.00	7.73	7.71	221.08	-1763.53	-1537.14	2339.41	2323.96	151.46	
3600.00	3600.00	3591.00	3591.00	7.96	7.94	221.08	-1763.53	-1537.14	2339.41	2323.51	147.17	
3700.00	3700.00	3691.00	3691.00	8.18	8.16	221.08	-1763.53	-1537.14	2339.41	2323.06	143.13	
3800.00	3800.00	3791.00	3791.00	8.41	8.39	221.08	-1763.53	-1537.14	2339.41	2322.62	139.30	
3900.00	3900.00	3891.00	3891.00	8.63	8.61	221.08	-1763.53	-1537.14	2339.41	2322.17	135.66	
4000.00	4000.00	3991.00	3991.00	8.86	8.84	221.08	-1763.53	-1537.14	2339.41	2321.72	132.22	
4100.00	4100.00	4091.00	4091.00	9.08	9.06	221.08	-1763.53	-1537.14	2339.41	2321.27	128.94	
4200.00	4200.00	4191.00	4191.00	9.31	9.29	221.08	-1763.53	-1537.14	2339.41	2320.82	125.82	
4300.00	4300.00	4291.00	4291.00	9.53	9.51	221.08	-1763.53	-1537.14	2339.41	2320.37	122.85	



Weatherford Anticollision Report



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Reference Site: Coral PWU 28 7H
Reference Well: Coral PWU 28 7H
Reference Wellpath: Db: Sybase

Date: 7/2/2012
Time: 12:17:37
Page: 7

Co-ordinate(NE) Reference: Well Coral PWU 28 7H, Grd North
Vertical (TVD) Reference: SITE 3329.0

Site: Coral PWU 28 3H
Well: 3H
Wellpath: 1 V1 Plan. Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
4400 00	4400 00	4391.00	4391 00	9 76	9 74	221 08	-1763 53	-1537 14	2339 41	2319 92	120.02	
4500.00	4500.00	4491.00	4491 00	9 98	9 96	221 08	-1763 53	-1537 14	2339.41	2319.47	117 32	
4600 00	4600 00	4591 00	4591 00	10.21	10.19	221.08	-1763 53	-1537 14	2339.41	2319.02	114.73	
4700 00	4700 00	4691.00	4691 00	10.43	10.41	221.08	-1763 53	-1537.14	2339.41	2318.57	112 25	
4800 00	4800 00	4791 00	4791.00	10 66	10.63	221 08	-1763.53	-1537.14	2339.41	2318 12	109.88	
4900 00	4900 00	4891 00	4891.00	10 88	10 86	221 08	-1763.53	-1537.14	2339 41	2317 67	107.61	
5000.00	5000.00	4991.00	4991.00	11 10	11 08	221 08	-1763.53	-1537.14	2339 41	2317 22	105.43	
5100 00	5100 00	5091 00	5091 00	11 33	11 31	221 08	-1763 53	-1537 14	2339 41	2316.77	103.34	
5200 00	5200 00	5191.00	5191 00	11.55	11.53	221.08	-1763 53	-1537.14	2339.41	2316 32	101 33	
5300.00	5300.00	5291.00	5291 00	11.78	11.76	221.08	-1763.53	-1537 14	2339 41	2315 87	99 39	
5400 00	5400 00	5391.00	5391.00	12.00	11.98	221.08	-1763.53	-1537 14	2339 41	2315 42	97 53	
5500 00	5500 00	5491.00	5491 00	12 23	12.21	221.08	-1763 53	-1537.14	2339.41	2314.97	95.73	
5600 00	5600 00	5591 00	5591.00	12 45	12.43	221 08	-1763.53	-1537 14	2339 41	2314.52	94.00	
5700 00	5700.00	5691 00	5691.00	12 68	12 66	221.08	-1763 53	-1537.14	2339.41	2314.07	92 34	
5800 00	5800 00	5791 00	5791.00	12 90	12 88	221 08	-1763.53	-1537.14	2339 41	2313 62	90 73	
5900 00	5900 00	5891.00	5891.00	13 13	13 11	221.08	-1763.53	-1537.14	2339 41	2313 17	89.17	
6000 00	6000 00	5991 00	5991 00	13 35	13 33	221 08	-1763 53	-1537 14	2339 41	2312 73	87 67	
6100 00	6100 00	6091 00	6091 00	13 58	13.56	221.08	-1763.53	-1537 14	2339 41	2312 28	86 22	
6200 00	6200 00	6191 00	6191 00	13 80	13 78	221 08	-1763 53	-1537.14	2339 41	2311 83	84 81	
6300.00	6300.00	9526 56	7960 57	14.03	36.85	271.07	28.71	-1534 93	2268 10	2226.70	54 78	
6400 00	6400.00	9524 96	7960 59	14.25	36.82	271.01	27.11	-1534 93	2195 53	2153.30	51 99	
6500 00	6499 97	9523 32	7960 62	14 48	36 80	2 39	25 47	-1534.93	2124 30	2081.25	49 34	
6600 00	6598 67	9521 37	7960.65	14 70	36 76	2 89	23 53	-1534.93	2045.90	2002.38	47 01	
6700 00	6693 22	9519 10	7960.69	14 94	36 73	3 77	21 25	-1534.93	1959 28	1915.75	45 01	
6800 00	6780 74	9516 55	7960.73	15 24	36 69	5 68	18 71	-1534.94	1866.12	1822 99	43 27	
6900.00	6858 58	9513 83	7960.77	15 65	36 64	12.70	15 98	-1534 94	1768.44	1725.97	41 64	
7000 00	6924 37	9510 99	7960.82	16 27	36 60	147.95	13.15	-1534.94	1668 69	1625 92	39.01	
7100 00	6976 11	9508 15	7960.86	17 18	36 55	172.84	10.30	-1534.95	1569 79	1529.93	39 38	
7200 00	7012 24	9505 37	7960 91	18 41	36 51	176 05	7.52	-1534.95	1475 22	1436 89	38 49	
7300 00	7031 64	9502 74	7960 95	19 95	36 46	177 27	4.89	-1534.96	1389.01	1352 03	37 56	
7400 00	7035 00	9500 33	7960 99	21 72	36 43	177 74	2.48	-1534.96	1314 76	1278.75	36.50	
7500 00	7035 00	9497.97	7961 03	23 68	36 39	177.89	0.12	-1534 96	1246 55	1211.36	35 42	
7600 00	7035 00	9495 60	7961.07	25 77	36 35	178 03	-2 24	-1534.96	1182 85	1148 61	34.54	
7700 00	7035 00	9493 24	7961 10	27 99	36 31	178 18	-4.60	-1534 97	1124.45	1091 28	33.90	
7800 00	7035 00	9490.88	7961 14	30 29	36 28	178 32	-6.97	-1534 97	1072 21	1040 24	33.54	
7900 00	7035 00	9488 52	7961 18	32 66	36 24	178.47	-9.33	-1534 97	1027 07	996.37	33.46	
8000.00	7035 00	9486.15	7961.22	35.08	36.20	178 61	-11.69	-1534 98	989 99	960 56	33 64	
8100 00	7035.00	9483.79	7961 26	37.55	36 16	178 76	-14.05	-1534 98	961 92	933 57	33.94	
8200 00	7035 00	9481 43	7961 29	40.06	36.13	178.90	-16.41	-1534 98	943 66	915 99	34 11	
8300 00	7035 00	9479 07	7961 33	42 60	36 09	179 04	-18.78	-1534 98	935 77	908 13	33 85	
8400 00	7035.00	9476 71	7961 37	45 16	36 05	179 19	-21 14	-1534.99	938 53	910.10	33.01	
8500.00	7035.00	9474 34	7961 41	47 74	36 01	179.33	-23 50	-1534.99	951 84	921.88	31.77	
8600 00	7035 00	9471 98	7961 45	50 34	35 98	179 48	-25 86	-1534 99	975 27	943 25	30 46	
8700 00	7035 00	9469 62	7961 48	52.96	35.94	179.62	-28.22	-1535 00	1008.12	973 78	29.36	
8800 00	7035 00	9467.26	7961.52	55.59	35.90	179.77	-30.58	-1535 00	1049 49	1012 77	28 58	
8900 00	7035.00	9464 90	7961.56	58 22	35.86	179.91	-32 95	-1535 00	1098.43	1059.40	28 15	
9000 00	7035.00	9462 53	7961 60	60 87	35 83	180.06	-35.31	-1535 00	1153 97	1112 77	28 01	
9100 00	7035.00	9460 17	7961 64	63 53	35 79	180.20	-37 67	-1535 01	1215 21	1172.00	28 12	
9200 00	7035 00	9457 81	7961.67	66 20	35 75	180.35	-40 03	-1535 01	1281.34	1236.27	28.43	
9300 00	7035 00	9455.45	7961.71	68 87	35 71	180.49	-42 39	-1535.01	1351 63	1304.87	28 90	
9400 00	7035 00	9453 09	7961 75	71 55	35 68	180 64	-44.76	-1535 02	1425 47	1377.15	29 50	



Weatherford Anticollision Report



Company: Devon Energy Date: 7/2/2012 Time: 12:17:37 Page: 8
Field: Eddy Co , NM (NAD 83)
Reference Site: Coral PWU 28 7H Co-ordinate(NE) Reference: Well. Coral PWU 28 7H, Grd North
Reference Well: Coral PWU 28 7H Vertical (TVD) Reference: SITE 3329.0
Reference Wellpath#: Db: Sybase

Site: Coral PWU 28 3H

Well: 3H

Wellpath: 1 V1 Plan: Plan #1 V1

Inter-Site Error: 0 00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
9500 00	7035.00	9450 72	7961 79	74 23	35.64	180 78	-47 12	-1535 02	1502 34	1452.58	30.19	
9600 00	7035 00	9448.36	7961.82	76 92	35.60	180.92	-49 48	-1535 02	1581 79	1530 69	30 96	
9700 00	7035 00	9446.00	7961 86	79 61	35.56	181.07	-51.84	-1535 03	1663 46	1611 11	31.78	
9800 00	7035 00	9443.64	7961.90	82 31	35 53	181.21	-54.20	-1535 03	1747.03	1693 50	32.64	
9900 00	7035.00	9441 27	7961 94	85.01	35 49	181.36	-56.56	-1535 03	1832.24	1777 60	33.53	
10000.00	7035 00	9438 91	7961 98	87.71	35 45	181 50	-58.93	-1535 03	1918 88	1863 18	34.45	
10100.00	7035 00	9436 55	7962.01	90.42	35 41	181 65	-61 29	-1535.04	2006.76	1950 03	35 38	
10200 00	7035 00	9434 19	7962.05	93.12	35.38	181.79	-63.65	-1535.04	2095.72	2038.01	36.31	
10300.00	7035 00	9431.83	7962.09	95.83	35 34	181 94	-66 01	-1535.04	2185.64	2126.97	37.25	
10400.00	7035 00	9429.46	7962 13	98.55	35 30	182 08	-68 37	-1535.05	2276.39	2216.79	38 19	
10500 00	7035 00	9427 10	7962 17	101 26	35 26	182.22	-70.74	-1535.05	2367 89	2307.38	39.13	
10600.00	7035.00	9424 74	7962 20	103 98	35 23	182 37	-73 10	-1535.05	2460.05	2398 64	40 06	
10700 00	7035.00	9422.38	7962 24	106 70	35 19	182 51	-75 46	-1535.05	2552.79	2490 50	40 98	
10800 00	7035.00	9420 02	7962 28	109 42	35.15	182.66	-77 82	-1535.06	2646 07	2582.90	41 89	
10900 00	7035.00	9417.65	7962 32	112.14	35.11	182 80	-80 18	-1535 06	2739.81	2675 78	42 79	
11000 00	7035 00	9415.29	7962.36	114.86	35 08	182 94	-82 54	-1535 06	2833.98	2769 10	43 68	
11100.00	7035.00	9412 93	7962 39	117 58	35.04	183 09	-84 91	-1535.07	2928 53	2862 80	44 55	
11200.00	7035.00	9410 57	7962 43	120 31	35 00	183 23	-87 27	-1535.07	3023 44	2956 86	45 41	
11300 00	7035.00	9408 20	7962 47	123 04	34.96	183 38	-89.63	-1535 07	3118 66	3051 24	46 26	
11400 00	7035.00	9405 84	7962 51	125.76	34.93	183 52	-91.99	-1535 07	3214 17	3145 91	47 09	
11500 00	7035.00	9403 48	7962 55	128.49	34 89	183 66	-94.35	-1535 08	3309 94	3240 84	47 90	
11588 32	7035 00	9401.39	7962 58	130.90	34.86	183 79	-96.44	-1535 08	3394 72	3324.88	48 60	

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: July 02, 2012

Job Number: _____

Customer: Devon Energy

Well Name: Coral PWU 28 7H

API Number: _____

Rig Name: _____

Location: Eddy Co., NM

Block: _____

Engineer: RWJ

US State Plane 1983

System: New Mexico Eastern Zone

Projection: Transverse Mercator/Gauss Kruger

Datum: North American Datum 1983

Ellipsoid: GRS 1980

North/South 593111.760 USFT

East/West 621868.870 USFT

Grid Convergence: .14°

Total Correction: +7.50°

Geodetic Latitude / Longitude

System: Latitude / Longitude

Projection: Geodetic Latitude and Longitude

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Latitude 32.6302413 DEG

Longitude -104.0717399 DEG

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.63024° N 32° 37 min 48.869 sec

Longitude = 104.07174° W 104° 4 min 18.264 sec

Magnetic Declination = 7.64° [True North Offset]

Local Gravity = .9988 g CheckSum = 6564

Local Field Strength = 48660 nT Magnetic Vector X = 23796 nT

Magnetic Dip = 60.44° Magnetic Vector Y = 3193 nT

Magnetic Model = IGRF-2010g11 Magnetic Vector Z = 42325 nT

Spud Date = Feb 15, 2013 Magnetic Vector H = 24009 nT

Signed: _____

Date: _____