

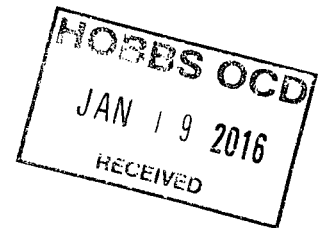


5D Anti-Collision Report

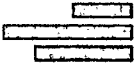
Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *White Dove 17 Fed 3H, 2H, 1H*
Well Name: *White Dove 17 Fed 3H*

12 January 2016



Weatherford®



devon

White Dove 17 Fed 3H

Field Name: Lea Co, NM Nad 83 NMEZ	Map Units: US ft Vertical Reference Datum (VRD): Mean Sea Level Projected Coordinate System: NAD83 / New Mexico East (ftUS) Comment:	Company Name: Devon Energy
Site: White Dove 17 Fed 3H, 2H, 1H	Units: US ft North Reference: Grid Convergence Angle: 0.45 Position: Northing: 473183.98US ft Latitude: 32° 17' 53.09" Easting: 800024.02US ft Longitude: -103° 29' 46.04" Elevation above MSL: 3479.00 US ft Comment:	
Slot: White Dove 17 Fed 3H	Position (Relative to Site Centre) +N/-S: 0.00US ft Northing: 473183.98US ft Latitude: 32°17'53.09" +E/-W: 0.00US ft Easting: 800024.02US ft Longitude: -103°29'46.04" Slot TVD Reference: Ground Elevation Elevation above MSL: 3479.00US ft Comment:	
Well: White Dove 17 Fed 3H	Type: Main well UWI: Plan: Working Plan File Number: Comment: Closure Distance: 4765.52US ft Closure Azimuth: 9.85° Vertical Section: Position of Origin (Relative to Slot centre) +N/-S: -0.00US ft +E/-W: 0.00US ft Az: 4.58° Magnetic Parameters: Model: bggm2015 Field Strength: Declination: 7.15° Dip: 60.22° Date: 15/Feb/2016 48230.1nT	

Drill floor: Plan: Working Plan

Rig Height (Kelly Bushing): Elevation above MSL: 23.50us ft	Inclination: 0.00°	Azimuth: 0.00°
	3502.50us ft	

Collision / Uncertainty Analysis

Primary Well	Start MD (USFt)	End MD (USFt)	Collision Risk Interval	No. of Std. Deviations in Error Computation
White Dove 17 Fed 3H (p)	0.00	30000.00	100.00	2

Secondary Well Names:

White Dove 17 Fed 2H (p)
 White Dove 17 Fed 1H (p)
 Paloma Blanco 17 Fed 1H (s)
 Paloma Blanco 17 Fed Com 2H (s)

Anti-Collision Report Terminology

S.Minor, S.Major: Radii of the ellipse of uncertainty at the current location as seen in the along hole direction.

PHI: Angle between high-side vector and semi-minor axis

TVD Spread: Total TVD range of the ellipsoid of uncertainty at the current location.

ES: Distance between the extremities of the primary and secondary uncertainty ellipsoids in the direction Cr-Cr.

5D Anti-Collision Report

Anti-Collision Report Terminology

T.Face to Sec: Angle between the HI-Side vector of the primary well at the current location and line of closest approach between the two wells.

AC Filter Info: the following filter has been applied: Depth Range.

Separation factors calculated using Pedal Curve (Independent Uncertainty). Surface Uncertainty (S.U.) Not Applied. Wellpath created using minimum curvature.

Anti-Collision Summary (TVD relative to Kelly Bushing)

Secondary Well Name	Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	ES (US ft)	CC (US ft)	SF	Risk
Paloma Blanco 17 Fed Com 2H (s)	11158.98	10500.29	10465.60	-160.72	482.29	0.75	SF(HI)
White Dove 17 Fed 2H (p)	5400.00	5400.00	5400.00	25.35	50.04	2.03	
Paloma Blanco 17 Fed 1H (s)	12029.30	10492.09	10439.80	1561.74	2105.73	3.87	
White Dove 17 Fed 1H (p)	3412.30	3412.30	3409.48	86.65	102.34	6.52	

Primary Well: White Dove 17 Fed 3H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)

MD (US ft)	TVD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
0.00	-0.00	269.73	0.00	0.00	0.00	White Dove 17 Fed 2H (p)	49.40	50.04	78.24	
100.00	100.00	269.73	0.11	0.11	4.60	White Dove 17 Fed 2H (p)	49.18	50.04	58.17	
200.00	200.00	269.73	0.34	0.34	4.62	White Dove 17 Fed 2H (p)	48.73	50.04	38.21	
300.00	300.00	269.73	0.56	0.56	4.65	White Dove 17 Fed 2H (p)	48.28	50.04	28.44	
400.00	400.00	269.73	0.79	0.79	4.70	White Dove 17 Fed 2H (p)	47.83	50.04	22.65	
500.00	500.00	269.73	1.01	1.01	4.75	White Dove 17 Fed 2H (p)	47.38	50.04	18.82	
600.00	600.00	269.73	1.24	1.24	4.82	White Dove 17 Fed 2H (p)	46.93	50.04	16.10	
700.00	700.00	269.73	1.46	1.46	4.89	White Dove 17 Fed 2H (p)	46.48	50.04	14.07	
800.00	800.00	269.73	1.69	1.69	4.97	White Dove 17 Fed 2H (p)	46.03	50.04	12.49	
900.00	900.00	269.73	1.91	1.91	5.07	White Dove 17 Fed 2H (p)	45.58	50.04	11.23	
1000.00	1000.00	269.73	2.14	2.14	5.17	White Dove 17 Fed 2H (p)	45.13	50.04	10.20	
1100.00	1100.00	269.73	2.36	2.36	5.27	White Dove 17 Fed 2H (p)	44.68	50.04	9.34	
1200.00	1200.00	269.73	2.59	2.59	5.39	White Dove 17 Fed 2H (p)	44.24	50.04	8.62	
1300.00	1300.00	269.73	2.81	2.81	5.51	White Dove 17 Fed 2H (p)	43.79	50.04	8.00	
1400.00	1400.00	269.73	3.03	3.03	5.63	White Dove 17 Fed 2H (p)	43.34	50.04	7.46	
1500.00	1500.00	269.73	3.26	3.26	5.76	White Dove 17 Fed 2H (p)	42.89	50.04	6.99	
1600.00	1600.00	269.73	3.48	3.48	5.90	White Dove 17 Fed 2H (p)	42.44	50.04	6.58	
1700.00	1700.00	269.73	3.71	3.71	6.04	White Dove 17 Fed 2H (p)	41.99	50.04	6.21	

5D Anti-Collision Report

Primary Well: White Dove 17 Fed 3H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US.ft)	SF	Risk
1800.00	1800.00	269.73	3.93	3.93	6.18	White Dove 17 Fed 2H (p)	41.54	50.04	5.89	
1900.00	1900.00	269.73	4.16	4.16	6.33	White Dove 17 Fed 2H (p)	41.09	50.04	5.59	
2000.00	2000.00	269.73	4.38	4.38	6.48	White Dove 17 Fed 2H (p)	40.64	50.04	5.32	
2100.00	2100.00	269.73	4.61	4.61	6.64	White Dove 17 Fed 2H (p)	40.19	50.04	5.08	
2200.00	2200.00	269.73	4.83	4.83	6.79	White Dove 17 Fed 2H (p)	39.74	50.04	4.86	
2300.00	2300.00	269.73	5.06	5.06	6.95	White Dove 17 Fed 2H (p)	39.29	50.04	4.65	
2400.00	2400.00	269.73	5.28	5.28	7.12	White Dove 17 Fed 2H (p)	38.84	50.04	4.47	
2500.00	2500.00	269.73	5.51	5.51	7.28	White Dove 17 Fed 2H (p)	38.39	50.04	4.30	
2600.00	2600.00	269.73	5.73	5.73	7.45	White Dove 17 Fed 2H (p)	37.94	50.04	4.14	
2700.00	2700.00	269.73	5.96	5.96	7.62	White Dove 17 Fed 2H (p)	37.49	50.04	3.99	
2800.00	2800.00	269.73	6.18	6.18	7.80	White Dove 17 Fed 2H (p)	37.04	50.04	3.85	
2900.00	2900.00	269.73	6.41	6.41	7.97	White Dove 17 Fed 2H (p)	36.59	50.04	3.72	
3000.00	3000.00	269.73	6.63	6.63	8.15	White Dove 17 Fed 2H (p)	36.14	50.04	3.60	
3100.00	3100.00	269.73	6.86	6.86	8.33	White Dove 17 Fed 2H (p)	35.69	50.04	3.49	
3200.00	3200.00	269.73	7.08	7.08	8.52	White Dove 17 Fed 2H (p)	35.24	50.04	3.38	
3300.00	3300.00	269.73	7.31	7.31	8.71	White Dove 17 Fed 2H (p)	34.79	50.04	3.28	
3400.00	3400.00	269.73	7.53	7.53	8.89	White Dove 17 Fed 2H (p)	34.34	50.04	3.19	
3500.00	3500.00	269.73	7.76	7.76	9.09	White Dove 17 Fed 2H (p)	33.90	50.04	3.10	
3600.00	3600.00	269.73	7.98	7.98	9.28	White Dove 17 Fed 2H (p)	33.45	50.04	3.02	
3700.00	3700.00	269.73	8.20	8.20	9.48	White Dove 17 Fed 2H (p)	33.00	50.04	2.94	
3800.00	3800.00	269.73	8.43	8.43	9.68	White Dove 17 Fed 2H (p)	32.55	50.04	2.86	
3900.00	3900.00	269.73	8.65	8.65	9.88	White Dove 17 Fed 2H (p)	32.10	50.04	2.79	
4000.00	4000.00	269.73	8.88	8.88	10.09	White Dove 17 Fed 2H (p)	31.65	50.04	2.72	
4100.00	4100.00	269.73	9.10	9.10	10.30	White Dove 17 Fed 2H (p)	31.20	50.04	2.66	
4200.00	4200.00	269.73	9.33	9.33	10.51	White Dove 17 Fed 2H (p)	30.75	50.04	2.59	
4300.00	4300.00	269.73	9.55	9.55	10.72	White Dove 17 Fed 2H (p)	30.30	50.04	2.53	

Primary Well: White Dove 17 Fed 3H (p) (TVD relative to Kelly Bushing) (All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T. Face to Sec (°)	S. Major (US ft)	S. Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
4400.00	4400.00	269.73	9.78	9.78	10.94	White Dove 17 Fed 2H (p)	29.85	50.04	2.48	
4500.00	4500.00	269.73	10.00	10.00	11.16	White Dove 17 Fed 2H (p)	29.40	50.04	2.42	
4600.00	4600.00	269.73	10.23	10.23	11.39	White Dove 17 Fed 2H (p)	28.95	50.04	2.37	
4700.00	4700.00	269.73	10.45	10.45	11.61	White Dove 17 Fed 2H (p)	28.50	50.04	2.32	
4800.00	4800.00	269.73	10.68	10.68	11.85	White Dove 17 Fed 2H (p)	28.05	50.04	2.28	
4900.00	4900.00	269.73	10.90	10.90	12.08	White Dove 17 Fed 2H (p)	27.60	50.04	2.23	
5000.00	5000.00	269.73	11.13	11.13	12.32	White Dove 17 Fed 2H (p)	27.15	50.04	2.19	
5100.00	5100.00	269.73	11.35	11.35	12.56	White Dove 17 Fed 2H (p)	26.70	50.04	2.14	
5200.00	5200.00	269.73	11.58	11.58	12.81	White Dove 17 Fed 2H (p)	26.25	50.04	2.10	
5300.00	5300.00	269.73	11.80	11.80	13.06	White Dove 17 Fed 2H (p)	25.80	50.04	2.06	
5400.00	5400.00	269.73	12.03	12.03	13.31	White Dove 17 Fed 2H (p)	25.35	50.04	2.03	
5500.00	5499.99	164.98	12.23	12.23	13.57	White Dove 17 Fed 2H (p)	25.79	50.88	2.03	
5600.00	5599.96	165.70	12.42	12.42	13.83	White Dove 17 Fed 2H (p)	27.91	53.42	2.09	
5700.00	5699.86	166.76	12.61	12.60	14.09	White Dove 17 Fed 2H (p)	31.74	57.65	2.22	
5800.00	5799.68	168.01	12.81	12.78	14.36	White Dove 17 Fed 2H (p)	37.30	63.61	2.42	
5900.00	5899.37	169.31	13.01	12.96	14.63	White Dove 17 Fed 2H (p)	44.60	71.30	2.67	
6000.00	5998.99	314.89	13.21	13.15	14.91	Paloma Blanco 17 Fed Com 2H (s)	518.59	823.96	2.70	
6100.00	6098.60	314.51	13.41	13.35	15.19	Paloma Blanco 17 Fed Com 2H (s)	507.63	819.34	2.63	
6200.00	6198.22	314.14	13.62	13.54	15.48	Paloma Blanco 17 Fed Com 2H (s)	496.72	814.74	2.56	
6300.00	6297.84	313.76	13.83	13.74	15.77	Paloma Blanco 17 Fed Com 2H (s)	485.77	810.17	2.50	
6400.00	6397.46	313.38	14.04	13.94	16.07	Paloma Blanco 17 Fed Com 2H (s)	474.79	805.64	2.44	
6500.00	6497.08	312.99	14.25	14.13	16.37	Paloma Blanco 17 Fed Com 2H (s)	463.76	801.15	2.37	
6600.00	6596.70	312.60	14.47	14.33	16.68	Paloma Blanco 17 Fed Com 2H (s)	452.70	796.70	2.32	
6700.00	6696.32	312.19	14.69	14.54	16.99	Paloma Blanco 17	441.65	792.13	2.26	

Primary Well: White Dove 17 Fed 3H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
6800.00	6795.94	311.76	14.91	14.74	17.30	Fed Com 2H (s) Paloma Blanco 17 Fed Com 2H (s)	430.67	787.36	2.21	
6900.00	6895.56	311.32	15.13	14.94	17.62	Paloma Blanco 17 Fed Com 2H (s)	419.67	782.41	2.16	
7000.00	6995.18	310.86	15.35	15.14	17.95	Paloma Blanco 17 Fed Com 2H (s)	409.02	777.26	2.11	
7100.00	7094.80	310.39	15.58	15.35	18.28	Paloma Blanco 17 Fed Com 2H (s)	398.20	771.99	2.07	
7200.00	7194.42	309.92	15.80	15.55	18.61	Paloma Blanco 17 Fed Com 2H (s)	387.60	766.85	2.02	
7300.00	7294.04	309.46	16.03	15.76	18.95	Paloma Blanco 17 Fed Com 2H (s)	376.82	761.91	1.98	SF(Lo)
7400.00	7393.66	309.00	16.26	15.97	19.30	Paloma Blanco 17 Fed Com 2H (s)	366.10	757.15	1.94	SF(Lo)
7500.00	7493.28	308.54	16.49	16.17	19.65	Paloma Blanco 17 Fed Com 2H (s)	355.11	752.58	1.89	SF(Lo)
7600.00	7592.90	308.08	16.72	16.38	20.01	Paloma Blanco 17 Fed Com 2H (s)	344.16	748.19	1.85	SF(Lo)
7700.00	7692.52	307.61	16.96	16.59	20.37	Paloma Blanco 17 Fed Com 2H (s)	333.06	743.91	1.81	SF(Lo)
7800.00	7792.14	307.15	17.19	16.80	20.73	Paloma Blanco 17 Fed Com 2H (s)	321.94	739.72	1.77	SF(Lo)
7900.00	7891.76	306.67	17.43	17.01	21.11	Paloma Blanco 17 Fed Com 2H (s)	310.77	735.61	1.73	SF(Lo)
8000.00	7991.37	306.20	17.66	17.22	21.48	Paloma Blanco 17 Fed Com 2H (s)	299.54	731.58	1.69	SF(Lo)
8100.00	8091.03	305.77	17.89	17.43	21.87	Paloma Blanco 17 Fed Com 2H (s)	288.73	727.90	1.66	SF(Lo)
8200.00	8190.76	305.39	18.10	17.64	22.25	Paloma Blanco 17 Fed Com 2H (s)	278.78	724.80	1.63	SF(Lo)
8300.00	8290.54	305.06	18.31	17.85	22.65	Paloma Blanco 17 Fed Com 2H (s)	269.73	722.27	1.60	SF(Lo)
8400.00	8390.38	304.78	18.52	18.06	23.05	Paloma Blanco 17 Fed Com 2H (s)	261.51	720.31	1.57	SF(Lo)
8500.00	8490.26	304.56	18.73	18.26	23.45	Paloma Blanco 17 Fed Com 2H (s)	254.21	718.88	1.55	SF(Lo)
8600.00	8590.19	304.40	18.94	18.47	23.86	Paloma Blanco 17 Fed Com 2H (s)	247.59	718.04	1.53	SF(Lo)
8700.00	8690.14	304.31	19.15	18.67	24.28	Paloma Blanco 17	242.06	717.84	1.51	SF(Lo)

5D Anti-Collision Report

Primary Well: White Dove-17 Fed 3H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T. Face to Sec (°)	S. Major (US ft)	S. Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
						Fed Com 2H (s)				
8800.00	8790.12	304.28	19.35	18.87	24.70	Paloma Blanco 17 Fed Com 2H (s)	237.02	718.26	1.49	SF(Med)
8900.00	8890.11	304.31	19.55	19.07	25.13	Paloma Blanco 17 Fed Com 2H (s)	233.06	719.32	1.48	SF(Med)
9000.00	8990.11	49.40	19.75	19.28	25.56	Paloma Blanco 17 Fed Com 2H (s)	229.67	721.00	1.47	SF(Med)
9100.00	9090.11	49.54	19.96	19.49	26.00	Paloma Blanco 17 Fed Com 2H (s)	226.87	723.08	1.46	SF(Med)
9200.00	9190.11	49.69	20.17	19.71	26.45	Paloma Blanco 17 Fed Com 2H (s)	223.77	725.30	1.45	SF(Med)
9300.00	9290.11	49.85	20.39	19.93	26.90	Paloma Blanco 17 Fed Com 2H (s)	220.75	727.66	1.44	SF(Med)
9400.00	9390.11	50.01	20.61	20.15	27.35	Paloma Blanco 17 Fed Com 2H (s)	217.51	730.17	1.42	SF(Med)
9500.00	9490.11	50.18	20.82	20.37	27.82	Paloma Blanco 17 Fed Com 2H (s)	214.40	732.81	1.41	SF(Med)
9600.00	9590.11	50.35	21.04	20.59	28.28	Paloma Blanco 17 Fed Com 2H (s)	211.12	735.47	1.40	SF(Med)
9700.00	9690.11	50.52	21.26	20.81	28.76	Paloma Blanco 17 Fed Com 2H (s)	207.91	738.10	1.39	SF(Med)
9800.00	9790.11	50.69	21.47	21.03	29.24	Paloma Blanco 17 Fed Com 2H (s)	204.72	740.70	1.38	SF(Med)
9900.00	9890.11	50.85	21.69	21.25	29.72	Paloma Blanco 17 Fed Com 2H (s)	201.66	743.27	1.37	SF(Med)
10000.00	9990.10	21.01	21.91	21.48	30.21	Paloma Blanco 17 Fed Com 2H (s)	198.50	745.65	1.36	SF(Med)
10100.00	10089.35	21.77	21.94	21.68	30.70	Paloma Blanco 17 Fed Com 2H (s)	188.05	737.72	1.34	SF(Med)
10200.00	10185.12	23.77	22.00	21.50	31.14	Paloma Blanco 17 Fed Com 2H (s)	167.25	713.89	1.31	SF(Med)
10300.00	10273.48	27.87	22.25	20.67	31.54	Paloma Blanco 17 Fed Com 2H (s)	137.48	673.48	1.26	SF(Med)
10400.00	10350.25	34.96	22.57	19.53	31.87	Paloma Blanco 17 Fed Com 2H (s)	103.54	617.83	1.20	SF(Med)
10500.00	10412.08	46.39	22.97	18.29	32.14	Paloma Blanco 17 Fed Com 2H (s)	73.86	550.62	1.15	SF(Med)
10600.00	10456.26	62.47	23.50	17.19	32.37	Paloma Blanco 17 Fed Com 2H (s)	57.66	476.90	1.14	SF(Med)
10700.00	10484.66	79.10	23.87	16.75	32.62	Paloma Blanco 17	82.64	410.13	1.25	SF(Med)

Primary Well: White Dove 17 Fed 3H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US.ft)	TVD (US.ft)	T.Face to Sec (°)	S.Major (US.ft)	S.Minor (US.ft)	TVD Spread (US.ft)	Nearest Well	ES (US.ft)	CC (US.ft)	SF	Risk
10800.00	10500.19	87.11	24.19	16.52	32.90	Fed Com 2H (s) Paloma Blanco 17 Fed Com 2H (s)	131.91	369.92	1.55	SF(Lo)
10900.00	10502.72	88.25	24.56	16.59	33.21	Paloma Blanco 17 Fed Com 2H (s)	61.49	368.21	1.20	SF(Med)
11000.00	10501.78	88.14	25.27	16.77	33.58	Paloma Blanco 17 Fed Com 2H (s)	-62.39	396.41	0.86	SF(Hi)
11100.00	10500.84	88.02	26.09	16.99	34.01	Paloma Blanco 17 Fed Com 2H (s)	-141.29	445.77	0.76	SF(Hi)
11200.00	10499.90	87.91	27.00	17.23	34.49	Paloma Blanco 17 Fed Com 2H (s)	-165.60	510.17	0.75	SF(Hi)
11300.00	10498.96	87.80	28.01	17.49	35.03	Paloma Blanco 17 Fed Com 2H (s)	-149.88	584.67	0.80	SF(Hi)
11400.00	10498.02	87.69	29.09	17.79	35.62	Paloma Blanco 17 Fed Com 2H (s)	-106.43	665.88	0.86	SF(Hi)
11500.00	10497.07	87.58	30.23	18.11	36.26	Paloma Blanco 17 Fed Com 2H (s)	-45.51	751.64	0.94	SF(Hi)
11600.00	10496.13	87.47	31.45	18.45	36.95	Paloma Blanco 17 Fed Com 2H (s)	26.74	840.55	1.03	SF(Med)
11700.00	10495.19	87.35	32.71	18.82	37.68	Paloma Blanco 17 Fed Com 2H (s)	105.92	931.71	1.13	SF(Med)
11800.00	10494.25	87.24	34.03	19.20	38.45	Paloma Blanco 17 Fed Com 2H (s)	189.05	1024.52	1.23	SF(Med)
11900.00	10493.31	87.13	35.39	19.61	39.26	Paloma Blanco 17 Fed Com 2H (s)	276.00	1118.57	1.33	SF(Med)
12000.00	10492.36	87.02	36.79	20.03	40.11	Paloma Blanco 17 Fed Com 2H (s)	365.68	1213.57	1.43	SF(Med)
12100.00	10491.42	86.91	38.22	20.48	41.00	Paloma Blanco 17 Fed Com 2H (s)	457.35	1309.32	1.54	SF(Lo)
12200.00	10490.48	86.80	39.69	20.94	41.92	Paloma Blanco 17 Fed Com 2H (s)	550.48	1405.65	1.64	SF(Lo)
12300.00	10489.54	86.68	41.18	21.41	42.87	Paloma Blanco 17 Fed Com 2H (s)	644.69	1502.47	1.75	SF(Lo)
12400.00	10488.60	86.57	42.70	21.90	43.84	Paloma Blanco 17 Fed Com 2H (s)	739.87	1599.68	1.86	SF(Lo)
12500.00	10487.65	86.46	44.24	22.40	44.85	Paloma Blanco 17 Fed Com 2H (s)	835.81	1697.21	1.97	SF(Lo)
12600.00	10486.71	86.35	45.80	22.92	45.88	Paloma Blanco 17 Fed Com 2H (s)	932.28	1795.01	2.08	
12700.00	10485.77	86.24	47.37	23.45	46.93	Paloma Blanco 17	1029.26	1893.05	2.19	

Primary Well: White Dove 17 Fed 3H (p) (TVD relative to Kelly Bushing) (All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
12800.00	10484.83	86.13	48.97	23.98	48.00	Fed Com 2H (s) Paloma Blanco 17 Fed Com 2H (s)	1126.69	1991.27	2.30	
12900.00	10483.89	86.02	50.58	24.53	49.10	Paloma Blanco 17 Fed Com 2H (s)	1224.27	2089.67	2.41	
13000.00	10482.94	85.91	52.20	25.09	50.21	Paloma Blanco 17 Fed Com 2H (s)	1322.21	2188.21	2.53	
13100.00	10482.00	85.80	53.83	25.65	51.34	Paloma Blanco 17 Fed Com 2H (s)	1420.41	2286.88	2.64	
13200.00	10481.06	85.68	55.48	26.23	52.49	Paloma Blanco 17 Fed Com 2H (s)	1518.78	2385.66	2.75	
13300.00	10480.12	85.57	57.13	26.81	53.65	Paloma Blanco 17 Fed Com 2H (s)	1617.30	2484.53	2.86	
13400.00	10479.18	85.46	58.80	27.40	54.83	Paloma Blanco 17 Fed Com 2H (s)	1715.98	2583.49	2.98	
13500.00	10478.23	85.35	60.47	28.00	56.02	Paloma Blanco 17 Fed Com 2H (s)	1814.78	2682.53	3.09	
13600.00	10477.29	85.24	62.15	28.60	57.22	Paloma Blanco 17 Fed Com 2H (s)	1913.69	2781.64	3.20	
13700.00	10476.35	85.13	63.84	29.21	58.44	Paloma Blanco 17 Fed Com 2H (s)	2012.70	2880.81	3.32	
13800.00	10475.41	85.02	65.53	29.82	59.67	Paloma Blanco 17 Fed Com 2H (s)	2111.79	2980.03	3.43	
13900.00	10474.47	84.91	67.23	30.44	60.90	Paloma Blanco 17 Fed Com 2H (s)	2210.95	3079.31	3.55	
14000.00	10473.53	84.80	68.94	31.07	62.15	Paloma Blanco 17 Fed Com 2H (s)	2310.18	3178.63	3.66	
14100.00	10472.58	84.69	70.65	31.70	63.41	Paloma Blanco 17 Fed Com 2H (s)	2409.47	3277.99	3.77	
14200.00	10471.64	84.58	72.36	32.33	64.68	Paloma Blanco 17 Fed Com 2H (s)	2508.81	3377.39	3.89	
14300.00	10470.70	84.47	74.08	32.97	65.95	Paloma Blanco 17 Fed Com 2H (s)	2608.20	3476.82	4.00	
14400.00	10469.76	84.36	75.81	33.61	67.23	Paloma Blanco 17 Fed Com 2H (s)	2707.63	3576.29	4.12	
14500.00	10468.82	84.25	77.54	34.25	68.52	Paloma Blanco 17 Fed Com 2H (s)	2807.08	3675.78	4.23	
14600.00	10467.87	272.12	79.27	34.90	69.82	Paloma Blanco 17 Fed 1H (s)	1608.34	2102.62	4.25	
14700.00	10466.93	272.16	81.01	35.56	71.12	Paloma Blanco 17 Fed 1H (s)	1652.37	2165.08	4.22	

5D Anti-Collision Report

Primary Well: White Dove 17 Fed 3H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
14800.00	10465.99	272.20	82.75	36.21	72.43	Paloma Blanco 17 Fed 1H (s)	1700.82	2230.26	4.21	
14900.00	10465.05	272.24	84.49	36.87	73.75	Paloma Blanco 17 Fed 1H (s)	1753.33	2297.95	4.22	
15000.00	10464.11	272.28	86.24	37.53	75.07	Paloma Blanco 17 Fed 1H (s)	1809.54	2367.93	4.24	
15100.00	10463.16	272.33	87.98	38.19	76.39	Paloma Blanco 17 Fed 1H (s)	1869.13	2440.00	4.27	
15117.41	10463.00	272.33	88.29	38.31	76.63	Paloma Blanco 17 Fed 1H (s)	1879.82	2452.75	4.28	

Secondary Well: White Dove 17 Fed 2H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	0.00	0.00	269.73	0.00	0.00	0.00	49.40	50.04	78.24	
100.00	100.00	100.00	269.73	0.11	0.11	4.60	49.18	50.04	58.17	
200.00	200.00	200.00	269.73	0.34	0.34	4.62	48.73	50.04	38.21	
300.00	300.00	300.00	269.73	0.56	0.56	4.65	48.28	50.04	28.44	
400.00	400.00	400.00	269.73	0.79	0.79	4.70	47.83	50.04	22.65	
500.00	500.00	500.00	269.73	1.01	1.01	4.75	47.38	50.04	18.82	
600.00	600.00	600.00	269.73	1.24	1.24	4.82	46.93	50.04	16.10	
700.00	700.00	700.00	269.73	1.46	1.46	4.89	46.48	50.04	14.07	
800.00	800.00	800.00	269.73	1.69	1.69	4.97	46.03	50.04	12.49	
900.00	900.00	900.00	269.73	1.91	1.91	5.07	45.58	50.04	11.23	
1000.00	1000.00	1000.00	269.73	2.14	2.14	5.17	45.13	50.04	10.20	
1100.00	1100.00	1100.00	269.73	2.36	2.36	5.27	44.68	50.04	9.34	
1200.00	1200.00	1200.00	269.73	2.59	2.59	5.39	44.24	50.04	8.62	
1300.00	1300.00	1300.00	269.73	2.81	2.81	5.51	43.79	50.04	8.00	
1400.00	1400.00	1400.00	269.73	3.03	3.03	5.63	43.34	50.04	7.46	
1500.00	1500.00	1500.00	269.73	3.26	3.26	5.76	42.89	50.04	6.99	
1600.00	1600.00	1600.00	269.73	3.48	3.48	5.90	42.44	50.04	6.58	
1700.00	1700.00	1700.00	269.73	3.71	3.71	6.04	41.99	50.04	6.21	
1800.00	1800.00	1800.00	269.73	3.93	3.93	6.18	41.54	50.04	5.89	
1900.00	1900.00	1900.00	269.73	4.16	4.16	6.33	41.09	50.04	5.59	
2000.00	2000.00	2000.00	269.73	4.38	4.38	6.48	40.64	50.04	5.32	
2100.00	2100.00	2100.00	269.73	4.61	4.61	6.64	40.19	50.04	5.08	
2200.00	2200.00	2200.00	269.73	4.83	4.83	6.79	39.74	50.04	4.86	
2300.00	2300.00	2300.00	269.73	5.06	5.06	6.95	39.29	50.04	4.65	
2400.00	2400.00	2400.00	269.73	5.28	5.28	7.12	38.84	50.04	4.47	
2500.00	2500.00	2500.00	269.73	5.51	5.51	7.28	38.39	50.04	4.30	
2600.00	2600.00	2600.00	269.73	5.73	5.73	7.45	37.94	50.04	4.14	
2700.00	2700.00	2700.00	269.73	5.96	5.96	7.62	37.49	50.04	3.99	
2800.00	2800.00	2800.00	269.73	6.18	6.18	7.80	37.04	50.04	3.85	
2900.00	2900.00	2900.00	269.73	6.41	6.41	7.97	36.59	50.04	3.72	
3000.00	3000.00	3000.00	269.73	6.63	6.63	8.15	36.14	50.04	3.60	
3100.00	3100.00	3100.00	269.73	6.86	6.86	8.33	35.69	50.04	3.49	
3200.00	3200.00	3200.00	269.73	7.08	7.08	8.52	35.24	50.04	3.38	
3300.00	3300.00	3300.00	269.73	7.31	7.31	8.71	34.79	50.04	3.28	
3400.00	3400.00	3400.00	269.73	7.53	7.53	8.89	34.34	50.04	3.19	
3500.00	3500.00	3500.00	269.73	7.76	7.76	9.09	33.90	50.04	3.10	
3600.00	3600.00	3600.00	269.73	7.98	7.98	9.28	33.45	50.04	3.02	
3700.00	3700.00	3700.00	269.73	8.20	8.20	9.48	33.00	50.04	2.94	
3800.00	3800.00	3800.00	269.73	8.43	8.43	9.68	32.55	50.04	2.86	
3900.00	3900.00	3900.00	269.73	8.65	8.65	9.88	32.10	50.04	2.79	
4000.00	4000.00	4000.00	269.73	8.88	8.88	10.09	31.65	50.04	2.72	
4100.00	4100.00	4100.00	269.73	9.10	9.10	10.30	31.20	50.04	2.66	
4200.00	4200.00	4200.00	269.73	9.33	9.33	10.51	30.75	50.04	2.59	
4300.00	4300.00	4300.00	269.73	9.55	9.55	10.72	30.30	50.04	2.53	

5D Anti-Collision Report

Secondary Well: White Dove 17 Fed 2H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
4400.00	4400.00	4400.00	269.73	9.78	9.78	10.94	29.85	50.04	2.48	
4500.00	4500.00	4500.00	269.73	10.00	10.00	11.16	29.40	50.04	2.42	
4600.00	4600.00	4600.00	269.73	10.23	10.23	11.39	28.95	50.04	2.37	
4700.00	4700.00	4700.00	269.73	10.45	10.45	11.61	28.50	50.04	2.32	
4800.00	4800.00	4800.00	269.73	10.68	10.68	11.85	28.05	50.04	2.28	
4900.00	4900.00	4900.00	269.73	10.90	10.90	12.08	27.60	50.04	2.23	
5000.00	5000.00	5000.00	269.73	11.13	11.13	12.32	27.15	50.04	2.19	
5100.00	5100.00	5100.00	269.73	11.35	11.35	12.56	26.70	50.04	2.14	
5200.00	5200.00	5200.00	269.73	11.58	11.58	12.81	26.25	50.04	2.10	
5300.00	5300.00	5300.00	269.73	11.80	11.80	13.06	25.80	50.04	2.06	
5400.00	5400.00	5400.00	269.73	12.03	12.03	13.31	25.35	50.04	2.03	
5500.00	5499.99	5499.99	164.98	12.25	12.25	13.57	25.79	50.88	2.03	
5600.00	5599.96	5599.96	165.70	12.48	12.48	13.83	27.91	53.42	2.09	
5700.00	5699.86	5699.86	166.76	12.70	12.70	14.10	31.74	57.65	2.22	
5800.00	5799.68	5799.68	168.01	12.92	12.92	14.37	37.30	63.61	2.42	
5900.00	5899.37	5899.37	169.31	13.15	13.15	14.64	44.60	71.30	2.67	
6000.00	5998.99	5998.99	170.47	13.37	13.37	14.92	52.77	79.89	2.95	
6100.00	6098.60	6098.60	171.40	13.60	13.60	15.20	60.95	88.49	3.21	
6200.00	6198.22	6198.22	172.17	13.82	13.82	15.49	69.15	97.12	3.47	
6300.00	6297.84	6297.84	172.81	14.04	14.04	15.78	77.36	105.76	3.72	
6400.00	6397.46	6397.46	173.36	14.27	14.27	16.07	85.59	114.42	3.97	
6500.00	6497.08	6497.08	173.83	14.49	14.49	16.37	93.82	123.08	4.21	
6600.00	6596.70	6596.70	174.24	14.72	14.72	16.68	102.07	131.75	4.44	
6700.00	6696.32	6696.32	174.59	14.94	14.94	16.99	110.32	140.42	4.66	
6800.00	6795.94	6795.94	174.91	15.16	15.16	17.30	118.57	149.10	4.88	
6900.00	6895.56	6895.56	175.19	15.39	15.39	17.62	126.83	157.78	5.10	
7000.00	6995.18	6995.18	175.44	15.61	15.61	17.95	135.09	166.47	5.30	
7100.00	7094.80	7094.80	175.67	15.84	15.84	18.28	143.35	175.16	5.51	
7200.00	7194.42	7194.42	175.87	16.06	16.06	18.61	151.61	183.85	5.70	
7300.00	7294.04	7294.04	176.06	16.28	16.28	18.95	159.88	192.55	5.89	
7400.00	7393.66	7393.66	176.23	16.51	16.51	19.29	168.15	201.24	6.08	
7500.00	7493.28	7493.28	176.39	16.73	16.73	19.64	176.41	209.94	6.26	
7600.00	7592.90	7592.90	176.53	16.96	16.96	20.00	184.68	218.64	6.44	
7700.00	7692.52	7692.52	176.66	17.18	17.18	20.36	192.95	227.34	6.61	
7800.00	7792.14	7792.14	176.79	17.40	17.40	20.73	201.22	236.04	6.78	
7900.00	7891.76	7891.76	176.90	17.63	17.63	21.10	209.49	244.74	6.94	
8000.00	7991.37	7991.37	177.01	17.85	17.85	21.47	217.76	253.45	7.10	
8100.00	8091.03	8091.03	177.10	18.08	18.08	21.85	225.60	261.72	7.25	
8200.00	8190.76	8190.76	177.19	18.30	18.30	22.24	232.58	269.12	7.36	
8300.00	8290.54	8290.54	177.25	18.52	18.52	22.64	238.68	275.65	7.46	
8400.00	8390.38	8390.38	177.31	18.75	18.75	23.03	243.91	281.31	7.52	
8500.00	8490.26	8490.26	177.36	18.97	18.97	23.44	248.28	286.11	7.56	
8600.00	8590.19	8590.19	177.39	19.20	19.20	23.85	251.77	290.03	7.58	
8700.00	8690.14	8690.14	177.42	19.42	19.42	24.27	254.40	293.08	7.58	
8800.00	8790.12	8790.12	177.44	19.65	19.65	24.69	256.15	295.26	7.55	
8900.00	8890.11	8890.11	177.45	19.87	19.87	25.12	257.03	296.57	7.50	
9000.00	8990.11	8990.11	282.46	20.10	20.10	25.55	257.03	297.00	7.43	
9100.00	9090.11	9090.11	282.46	20.32	20.32	25.99	256.60	297.00	7.35	
9200.00	9190.11	9190.11	282.46	20.55	20.55	26.43	256.15	297.00	7.27	
9300.00	9290.11	9290.11	282.46	20.77	20.77	26.88	255.71	297.00	7.19	
9400.00	9390.11	9390.11	282.46	21.00	21.00	27.34	255.26	297.00	7.12	
9500.00	9490.11	9490.11	282.46	21.22	21.22	27.80	254.82	297.00	7.04	
9600.00	9590.11	9590.11	282.46	21.44	21.44	28.27	254.37	297.00	6.97	
9700.00	9690.11	9690.11	282.46	21.67	21.67	28.74	253.92	297.00	6.89	
9800.00	9786.59	9786.60	282.59	21.89	21.87	29.21	253.66	297.19	6.83	
9900.00	9873.41	9874.21	284.64	22.08	21.83	29.62	256.56	300.43	6.85	
10000.00	9952.74	9956.71	258.81	22.25	21.54	29.98	265.16	309.08	7.04	
10100.00	10020.81	10031.50	264.45	22.41	20.93	30.26	283.00	327.15	7.41	

5D Anti-Collision Report

Secondary Well: White Dove 17 Fed 2H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
10200.00	10079.69	10101.80	270.20	22.57	20.16	30.52	311.02	354.91	8.09	
10300.00	10129.64	10168.31	276.14	22.74	19.30	30.71	346.27	389.94	8.93	
10400.00	10171.12	10231.64	281.45	22.93	18.43	30.88	385.82	429.58	9.82	
10500.00	10204.60	10292.33	286.07	23.13	17.61	31.03	427.79	471.69	10.74	
10600.00	10230.62	10350.99	290.00	23.38	16.89	31.16	470.13	514.62	11.57	
10700.00	10250.33	10410.85	292.63	23.64	16.30	31.29	506.41	551.55	12.22	
10800.00	10263.35	10474.42	293.83	23.98	15.90	31.44	529.45	575.35	12.53	
10900.00	10268.03	10541.85	293.74	24.36	15.80	31.60	539.28	586.08	12.52	
11000.00	10268.74	10641.36	293.22	25.05	15.95	31.89	546.42	594.41	12.39	
11100.00	10269.45	10740.86	292.71	25.83	16.12	32.25	553.23	602.79	12.16	
11200.00	10270.16	10840.37	292.21	26.71	16.33	32.66	559.98	611.21	11.93	
11300.00	10270.87	10939.88	291.73	27.68	16.57	33.14	566.63	619.68	11.68	
11400.00	10271.58	11039.38	291.26	28.74	16.83	33.67	573.06	628.20	11.39	
11500.00	10272.29	11138.89	290.80	29.87	17.12	34.25	579.36	636.75	11.10	
11600.00	10273.00	11238.40	290.36	31.07	17.44	34.89	585.61	645.34	10.80	
11700.00	10273.70	11337.90	289.92	32.33	17.78	35.57	591.80	653.97	10.52	
11800.00	10274.41	11437.41	289.50	33.64	18.15	36.30	597.94	662.64	10.24	
11900.00	10275.12	11536.92	289.09	34.99	18.53	37.07	603.99	671.34	9.97	
12000.00	10275.83	11636.42	288.69	36.39	18.94	37.89	609.94	680.07	9.70	
12100.00	10276.54	11735.93	288.30	37.82	19.37	38.74	615.87	688.84	9.44	
12200.00	10277.25	11835.43	287.92	39.28	19.81	39.63	621.77	697.64	9.20	
12300.00	10277.96	11934.94	287.55	40.78	20.27	40.55	627.66	706.47	8.96	
12400.00	10278.67	12034.45	287.19	42.30	20.74	41.50	633.55	715.32	8.75	
12500.00	10279.38	12133.95	286.83	43.84	21.23	42.48	639.51	724.21	8.55	
12600.00	10280.09	12233.46	286.49	45.40	21.74	43.48	645.21	733.12	8.34	
12700.00	10280.80	12332.97	286.15	46.98	22.25	44.52	651.02	742.06	8.15	
12800.00	10281.50	12432.47	285.82	48.58	22.78	45.57	656.94	751.02	7.98	
12900.00	10282.21	12531.98	285.50	50.20	23.32	46.65	662.90	760.00	7.83	
13000.00	10282.92	12631.48	285.19	51.83	23.87	47.75	668.51	769.01	7.65	
13100.00	10283.63	12730.99	284.88	53.47	24.43	48.86	674.24	778.04	7.50	
13200.00	10284.34	12830.50	284.59	55.12	24.99	50.00	679.99	787.09	7.35	
13300.00	10285.05	12930.00	284.29	56.78	25.57	51.15	685.75	796.17	7.21	
13400.00	10285.76	13029.51	284.01	58.46	26.15	52.31	691.51	805.26	7.08	
13500.00	10286.47	13129.02	283.73	60.14	26.74	53.49	697.28	814.37	6.95	
13600.00	10287.18	13228.52	283.46	61.83	27.34	54.69	703.04	823.50	6.84	
13700.00	10287.89	13328.03	283.19	63.52	27.94	55.89	708.82	832.65	6.72	
13800.00	10288.60	13427.54	282.93	65.23	28.55	57.11	714.59	841.82	6.62	
13900.00	10289.30	13527.04	282.67	66.94	29.16	58.34	720.37	851.01	6.51	
14000.00	10290.01	13626.55	282.42	68.65	29.78	59.58	726.15	860.21	6.42	
14100.00	10290.72	13726.05	282.18	70.38	30.41	60.83	731.94	869.42	6.32	
14200.00	10291.43	13825.56	281.94	72.10	31.04	62.09	737.74	878.65	6.24	
14300.00	10292.14	13925.07	281.70	73.83	31.67	63.36	743.54	887.90	6.15	
14400.00	10292.85	14024.57	281.47	75.57	32.31	64.63	749.33	897.16	6.07	
14500.00	10293.56	14124.08	281.25	77.31	32.95	65.92	755.12	906.44	5.99	
14600.00	10294.27	14223.59	281.03	79.05	33.60	67.21	760.91	915.73	5.91	
14700.00	10294.98	14323.09	280.81	80.80	34.24	68.50	766.71	925.03	5.84	
14800.00	10295.69	14422.60	280.60	82.55	34.90	69.81	772.52	934.34	5.77	
14900.00	10296.39	14522.10	280.39	84.30	35.55	71.12	778.33	943.67	5.71	
15000.00	10297.10	14621.61	280.19	86.06	36.21	72.43	784.15	953.01	5.64	
15100.00	10297.81	14721.12	279.99	87.82	36.87	73.75	789.97	962.36	5.58	
15117.41	10297.94	14738.44	279.96	88.12	36.98	73.98	790.99	963.99	5.57	

Secondary Well: White Dove 17 Fed 1H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	0.00	0.00	269.52	0.00	0.00	0.00	99.44	100.08	156.49	
100.00	100.00	100.00	269.52	0.11	0.11	4.60	99.22	100.08	116.35	
200.00	200.00	200.00	269.52	0.34	0.34	4.62	98.77	100.08	76.41	
300.00	300.00	300.00	269.52	0.56	0.56	4.65	98.32	100.08	56.89	

5D Anti-Collision Report

Secondary Well: White Dove 17-Fed 1H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
400.00	400.00	400.00	269.52	0.79	0.79	4.70	97.87	100.08	45.31	
500.00	500.00	500.00	269.52	1.01	1.01	4.75	97.43	100.08	37.65	
600.00	600.00	600.00	269.52	1.24	1.24	4.82	96.98	100.08	32.20	
700.00	700.00	700.00	269.52	1.46	1.46	4.89	96.53	100.08	28.13	
800.00	800.00	800.00	269.52	1.69	1.69	4.97	96.08	100.08	24.98	
900.00	900.00	900.00	269.52	1.91	1.91	5.07	95.63	100.08	22.46	
1000.00	1000.00	1000.00	269.52	2.14	2.14	5.17	95.18	100.08	20.40	
1100.00	1100.00	1100.00	269.52	2.36	2.36	5.27	94.73	100.08	18.69	
1200.00	1200.00	1200.00	269.52	2.59	2.59	5.39	94.28	100.08	17.24	
1300.00	1300.00	1300.00	269.52	2.81	2.81	5.51	93.83	100.08	16.00	
1400.00	1400.00	1400.00	269.52	3.03	3.03	5.63	93.38	100.08	14.93	
1500.00	1500.00	1500.00	269.52	3.26	3.26	5.76	92.93	100.08	13.99	
1600.00	1600.00	1600.00	269.52	3.48	3.48	5.90	92.48	100.08	13.16	
1700.00	1700.00	1700.00	269.52	3.71	3.71	6.04	92.03	100.08	12.43	
1800.00	1800.00	1800.00	269.52	3.93	3.93	6.18	91.58	100.08	11.77	
1900.00	1900.00	1900.00	269.52	4.16	4.16	6.33	91.13	100.08	11.18	
2000.00	2000.00	2000.00	269.52	4.38	4.38	6.48	90.68	100.08	10.65	
2100.00	2100.00	2100.00	269.52	4.61	4.61	6.64	90.23	100.08	10.16	
2200.00	2200.00	2200.00	269.52	4.83	4.83	6.79	89.78	100.08	9.72	
2300.00	2300.00	2300.00	269.52	5.06	5.06	6.95	89.33	100.08	9.31	
2400.00	2400.00	2400.00	269.52	5.28	5.28	7.12	88.88	100.08	8.94	
2500.00	2500.00	2500.00	269.52	5.51	5.51	7.28	88.43	100.08	8.59	
2600.00	2600.00	2600.00	269.52	5.73	5.73	7.45	87.98	100.08	8.27	
2700.00	2700.00	2700.00	269.52	5.96	5.96	7.62	87.53	100.08	7.98	
2800.00	2800.00	2800.00	269.52	6.18	6.18	7.80	87.09	100.08	7.70	
2900.00	2900.00	2900.00	269.52	6.41	6.41	7.97	86.64	100.08	7.44	
3000.00	3000.00	3000.00	269.52	6.63	6.63	8.15	86.19	100.08	7.20	
3100.00	3100.00	3100.00	269.52	6.86	6.86	8.33	85.74	100.08	6.98	
3200.00	3200.00	3200.00	269.52	7.08	7.08	8.52	85.29	100.08	6.76	
3300.00	3299.14	3299.14	269.53	7.30	7.30	8.70	85.08	100.30	6.59	
3400.00	3397.38	3397.39	269.53	7.49	7.49	8.89	86.38	102.01	6.52	
3500.00	3495.48	3495.56	269.55	7.69	7.68	9.08	89.39	105.44	6.57	
3600.00	3593.37	3593.58	269.57	7.89	7.87	9.27	94.12	110.58	6.72	
3700.00	3690.96	3691.40	269.59	8.09	8.06	9.46	100.56	117.43	6.96	
3800.00	3788.17	3788.96	269.62	8.30	8.25	9.65	108.71	125.97	7.30	
3900.00	3885.77	3887.07	269.65	8.51	8.44	9.84	118.42	136.09	7.70	
4000.00	3984.68	3986.53	269.67	8.73	8.65	10.05	128.45	146.54	8.10	
4100.00	4083.59	4085.98	269.70	8.96	8.85	10.25	138.47	157.00	8.47	
4200.00	4182.50	4185.43	269.71	9.19	9.06	10.46	148.49	167.45	8.83	
4300.00	4281.40	4284.88	269.73	9.42	9.27	10.68	158.51	177.90	9.17	
4400.00	4380.31	4384.33	269.75	9.66	9.48	10.89	168.53	188.35	9.50	
4500.00	4479.22	4483.79	269.76	9.90	9.69	11.11	178.55	198.81	9.81	
4600.00	4578.13	4583.24	269.77	10.14	9.90	11.34	188.56	209.26	10.11	
4700.00	4677.03	4682.69	269.78	10.38	10.12	11.56	198.58	219.71	10.40	
4800.00	4775.94	4782.14	269.79	10.63	10.33	11.79	208.59	230.17	10.67	
4900.00	4874.85	4881.60	269.80	10.88	10.54	12.03	218.61	240.62	10.93	
5000.00	4973.76	4981.05	269.81	11.13	10.76	12.27	228.62	251.07	11.18	
5100.00	5072.66	5080.50	269.82	11.38	10.98	12.51	238.63	261.52	11.43	
5200.00	5171.57	5179.95	269.82	11.64	11.19	12.75	248.65	271.98	11.66	
5300.00	5270.48	5279.40	269.83	11.90	11.41	13.00	258.66	282.43	11.88	
5400.00	5369.39	5378.86	269.84	12.16	11.63	13.25	268.67	292.88	12.10	
5500.00	5468.20	5478.22	164.86	12.42	11.85	13.51	279.56	304.17	12.36	
5600.00	5566.81	5577.37	164.95	12.68	12.07	13.77	292.12	317.14	12.68	
5700.00	5665.18	5676.28	165.11	12.94	12.29	14.03	306.36	331.77	13.06	
5800.00	5763.29	5774.93	165.32	13.20	12.51	14.30	322.24	348.08	13.47	
5900.00	5861.11	5873.29	165.57	13.46	12.73	14.57	339.80	366.05	13.94	
6000.00	5958.76	5971.48	165.88	13.73	12.95	14.84	358.20	384.87	14.43	
6100.00	6056.42	6069.67	166.15	13.99	13.17	15.12	376.62	403.70	14.91	

5D Anti-Collision Report

Secondary Well: White Dove 17 Feb 1H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
6200.00	6154.07	6167.87	166.41	14.26	13.39	15.40	395.05	422.54	15.37	
6300.00	6251.73	6266.06	166.64	14.52	13.61	15.69	413.48	441.38	15.82	
6400.00	6349.39	6364.25	166.85	14.79	13.83	15.98	431.92	460.23	16.25	
6500.00	6447.04	6462.45	167.04	15.06	14.05	16.27	450.36	479.09	16.68	
6600.00	6544.70	6560.64	167.22	15.33	14.27	16.57	468.81	497.95	17.09	
6700.00	6642.35	6658.84	167.39	15.60	14.49	16.88	487.25	516.81	17.48	
6800.00	6740.01	6757.03	167.54	15.87	14.72	17.18	505.71	535.68	17.87	
6900.00	6837.66	6855.22	167.69	16.14	14.94	17.50	524.16	554.55	18.24	
7000.00	6935.32	6953.42	167.82	16.41	15.16	17.82	542.62	573.43	18.61	
7100.00	7032.98	7051.61	167.95	16.68	15.39	18.14	561.07	592.31	18.96	
7200.00	7130.63	7149.80	168.07	16.95	15.61	18.47	579.52	611.19	19.30	
7300.00	7228.29	7248.00	168.18	17.23	15.83	18.80	597.97	630.07	19.63	
7400.00	7325.94	7346.19	168.28	17.50	16.06	19.14	616.43	648.96	19.95	
7500.00	7423.60	7444.39	168.38	17.77	16.28	19.48	634.88	667.85	20.26	
7600.00	7521.26	7542.58	168.48	18.05	16.51	19.83	653.34	686.74	20.56	
7700.00	7618.91	7640.77	168.56	18.32	16.73	20.18	671.80	705.63	20.86	
7800.00	7716.57	7738.97	168.65	18.60	16.96	20.54	690.25	724.52	21.14	
7900.00	7814.22	7837.16	168.73	18.87	17.18	20.90	708.71	743.41	21.42	
8000.00	7911.88	7935.35	168.80	19.15	17.41	21.26	727.17	762.31	21.70	
8100.00	8009.61	8033.63	168.89	19.43	17.63	21.64	745.21	780.78	21.95	
8200.00	8107.51	8132.06	168.96	19.70	17.86	22.02	762.42	798.42	22.18	
8300.00	8205.54	8230.64	169.01	19.98	18.08	22.40	778.78	815.21	22.38	
8400.00	8303.72	8329.36	169.05	20.26	18.31	22.79	794.30	831.16	22.55	
8500.00	8402.03	8428.21	169.07	20.54	18.54	23.19	808.97	846.26	22.70	
8600.00	8500.47	8527.19	169.09	20.82	18.77	23.59	822.79	860.51	22.81	
8700.00	8599.02	8626.29	169.09	21.10	19.00	24.00	835.76	873.91	22.91	
8800.00	8697.69	8725.49	169.08	21.39	19.23	24.41	847.89	886.47	22.98	
8900.00	8796.46	8824.81	169.06	21.67	19.45	24.83	859.16	898.17	23.03	
9000.00	8895.32	8924.21	274.03	21.95	19.68	25.26	869.59	909.02	23.05	
9100.00	8994.23	9023.66	273.98	22.23	19.91	25.69	879.57	919.45	23.06	
9200.00	9093.13	9123.12	273.94	22.52	20.14	26.12	889.55	929.88	23.06	
9300.00	9192.04	9222.57	273.89	22.80	20.37	26.57	899.54	940.31	23.06	
9400.00	9290.95	9322.02	273.85	23.09	20.60	27.01	909.52	950.74	23.06	
9500.00	9389.86	9421.47	273.81	23.37	20.84	27.47	919.50	961.17	23.07	
9600.00	9488.76	9520.93	273.77	23.65	21.07	27.93	929.48	971.60	23.07	
9700.00	9587.67	9620.38	273.73	23.94	21.30	28.39	939.46	982.03	23.07	
9800.00	9686.58	9719.83	273.69	24.22	21.53	28.86	949.44	992.46	23.07	
9900.00	9785.49	9819.28	273.65	24.51	21.76	29.34	959.43	1002.89	23.07	
10000.00	9884.38	9918.72	243.74	24.79	21.99	29.82	969.49	1013.40	23.08	
10100.00	9981.09	10015.97	244.56	25.07	22.21	30.30	984.43	1028.77	23.20	
10200.00	10037.32	10072.70	246.27	25.17	22.32	30.57	1008.98	1053.58	23.63	
10300.00	10090.05	10126.61	249.62	25.15	22.41	30.83	1044.72	1089.60	24.28	
10400.00	10137.71	10176.37	254.35	25.04	22.47	31.06	1090.72	1135.79	25.20	
10500.00	10202.52	10246.55	259.68	24.61	22.54	31.35	1144.21	1189.67	26.17	
10600.00	10271.43	10326.66	265.53	23.97	22.41	31.67	1201.77	1247.90	27.06	
10700.00	10344.20	10422.47	270.29	23.70	21.40	32.00	1254.69	1301.57	27.77	
10800.00	10422.45	10554.98	271.90	24.01	19.10	32.39	1292.51	1340.40	27.99	
10900.00	10477.78	10734.20	271.13	24.81	16.68	32.88	1311.58	1361.00	27.54	
11000.00	10481.53	10868.17	270.91	25.68	16.54	33.29	1321.51	1372.51	26.91	
11100.00	10480.82	10967.55	270.89	26.49	16.71	33.66	1330.97	1383.59	26.29	
11200.00	10480.11	11066.93	270.88	27.39	16.91	34.08	1340.38	1394.68	25.68	
11300.00	10479.40	11166.31	270.86	28.37	17.15	34.57	1349.54	1405.77	25.00	
11400.00	10478.69	11265.70	270.85	29.44	17.41	35.10	1358.48	1416.86	24.27	
11500.00	10477.98	11365.08	270.83	30.58	17.70	35.69	1367.35	1427.95	23.57	
11600.00	10477.27	11464.46	270.82	31.78	18.01	36.32	1376.00	1439.04	22.83	
11700.00	10476.56	11563.84	270.80	33.04	18.35	37.01	1384.62	1450.12	22.14	
11800.00	10475.85	11663.23	270.79	34.35	18.71	37.73	1393.20	1461.21	21.48	
11900.00	10475.14	11762.61	270.77	35.71	19.10	38.50	1401.66	1472.30	20.84	

5D Anti-Collision Report

Secondary Well: White Dove 17 Fed 1H (p) (TVD relative to Kelly Bushing) (All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
12000.00	10474.43	11861.99	270.76	37.10	19.50	39.31	1409.94	1483.39	20.19	
12100.00	10473.72	11961.37	270.74	38.53	19.93	40.15	1418.11	1494.48	19.57	
12200.00	10473.01	12060.76	270.73	39.99	20.37	41.03	1426.24	1505.57	18.98	
12300.00	10472.30	12160.14	270.72	41.49	20.82	41.94	1434.35	1516.66	18.43	
12400.00	10471.59	12259.52	270.70	43.00	21.30	42.88	1442.43	1527.75	17.91	
12500.00	10470.88	12358.90	270.69	44.54	21.78	43.85	1450.51	1538.84	17.42	
12600.00	10470.17	12458.29	270.68	46.11	22.29	44.85	1458.66	1549.93	16.98	
12700.00	10469.46	12557.67	270.66	47.69	22.80	45.87	1466.68	1561.02	16.55	
12800.00	10468.75	12657.05	270.65	49.28	23.32	46.91	1474.60	1572.11	16.12	
12900.00	10468.04	12756.43	270.64	50.89	23.86	47.97	1482.54	1583.20	15.73	
13000.00	10467.33	12855.82	270.62	52.52	24.40	49.06	1490.41	1594.28	15.35	
13100.00	10466.63	12955.20	270.61	54.16	24.96	50.16	1498.13	1605.37	14.97	
13200.00	10465.92	13054.58	270.60	55.81	25.52	51.29	1505.98	1616.46	14.63	
13300.00	10465.21	13153.97	270.59	57.47	26.09	52.42	1513.82	1627.55	14.31	
13400.00	10464.50	13253.35	270.58	59.14	26.67	53.58	1521.64	1638.64	14.01	
13500.00	10463.79	13352.73	270.57	60.82	27.26	54.75	1529.39	1649.73	13.71	
13600.00	10463.08	13452.11	270.55	62.51	27.85	55.93	1537.14	1660.83	13.43	
13700.00	10462.37	13551.50	270.54	64.21	28.45	57.12	1544.86	1671.92	13.16	
13800.00	10461.66	13650.88	270.53	65.91	29.06	58.33	1552.54	1683.01	12.90	
13900.00	10460.95	13750.26	270.52	67.62	29.67	59.55	1560.21	1694.10	12.65	
14000.00	10460.24	13849.64	270.51	69.33	30.29	60.77	1567.87	1705.19	12.42	
14100.00	10459.53	13949.03	270.50	71.05	30.91	62.01	1575.52	1716.28	12.19	
14200.00	10458.82	14048.41	270.49	72.78	31.54	63.26	1583.17	1727.37	11.98	
14300.00	10458.11	14147.79	270.48	74.51	32.17	64.52	1590.80	1738.46	11.77	
14400.00	10457.40	14247.17	270.47	76.25	32.80	65.78	1598.43	1749.55	11.58	
14500.00	10456.69	14346.56	270.46	77.98	33.44	67.05	1606.05	1760.64	11.39	
14600.00	10455.98	14445.94	270.45	79.73	34.08	68.33	1613.67	1771.73	11.21	
14700.00	10455.27	14545.32	270.44	81.47	34.73	69.62	1621.28	1782.82	11.04	
14800.00	10454.56	14644.70	270.43	83.22	35.38	70.92	1628.88	1793.91	10.87	
14900.00	10453.85	14744.09	270.42	84.98	36.03	72.22	1636.48	1805.00	10.71	
15000.00	10453.14	14843.47	270.41	86.73	36.68	73.52	1644.07	1816.09	10.56	
15100.00	10452.43	14942.85	270.40	88.49	37.34	74.83	1651.66	1827.19	10.41	
15117.41	10452.31	14960.15	270.40	88.80	37.45	75.06	1652.98	1829.12	10.38	

Secondary Well: Paloma Blanco 17 Fed 1H (s) (TVD relative to Kelly Bushing) (All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	13.50	0.00	345.78	0.00	0.00	0.00	3127.91	3129.45	2038.22	
100.00	97.98	84.48	345.78	1.37	1.13	2.09	3126.45	3129.45	1045.16	
200.00	195.64	182.14	345.77	2.94	2.43	4.50	3124.77	3129.55	655.22	
300.00	293.30	279.80	345.76	6.28	4.59	4.65	3121.45	3129.72	378.24	
400.00	390.94	377.45	345.74	9.75	6.79	4.69	3118.07	3129.98	262.92	
500.00	488.58	475.10	345.72	14.50	8.82	4.74	3113.56	3130.30	186.98	
600.00	586.58	573.11	345.69	19.35	10.84	4.80	3109.04	3130.70	144.48	
700.00	687.29	673.83	345.66	24.91	12.88	4.88	3103.84	3131.12	114.78	
800.00	788.00	774.56	345.63	30.26	14.91	4.97	3098.83	3131.52	95.80	
900.00	888.71	875.28	345.60	35.44	16.93	5.06	3093.96	3131.89	82.57	
1000.00	989.43	976.01	345.58	40.25	18.95	5.17	3089.42	3132.24	73.15	
1100.00	1089.77	1076.36	345.55	44.93	20.96	5.28	3084.98	3132.57	65.83	
1200.00	1189.75	1176.35	345.53	49.50	22.95	5.39	3080.65	3132.89	59.97	
1300.00	1289.74	1276.34	345.51	54.07	24.95	5.52	3076.33	3133.22	55.07	
1400.00	1389.72	1376.33	345.48	58.64	26.95	5.65	3071.99	3133.55	50.90	
1500.00	1489.70	1476.32	345.46	63.22	28.96	5.78	3067.66	3133.88	47.32	
1600.00	1589.68	1576.31	345.44	67.80	30.98	5.92	3063.32	3134.21	44.21	
1700.00	1689.67	1676.31	345.41	72.38	33.00	6.07	3058.98	3134.53	41.49	
1800.00	1789.65	1776.30	345.39	76.96	35.02	6.21	3054.65	3134.86	39.08	
1900.00	1889.63	1876.29	345.37	81.53	37.03	6.37	3050.31	3135.20	36.94	
2000.00	1989.62	1976.28	345.34	86.11	39.04	6.52	3045.98	3135.53	35.02	
2100.00	2089.60	2076.27	345.32	90.69	41.06	6.68	3041.66	3135.86	33.29	

5D Anti-Collision Report

Secondary Well: Paloma Blanco 17 Fed 1H (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
2200.00	2189.58	2176.26	345.30	95.27	43.07	6.85	3037.33	3136.19	31.72	
2300.00	2289.36	2276.05	345.28	99.90	45.07	7.01	3032.95	3136.52	30.28	
2400.00	2388.66	2375.36	345.25	104.64	47.07	7.18	3028.48	3136.87	28.94	
2500.00	2487.96	2474.67	345.23	109.64	49.07	7.35	3023.81	3137.25	27.66	
2600.00	2587.25	2573.97	345.20	114.79	51.07	7.53	3019.00	3137.64	26.45	
2700.00	2686.54	2673.27	345.17	120.31	53.07	7.71	3013.87	3138.06	25.27	
2800.00	2785.82	2772.57	345.14	125.96	55.07	7.89	3008.64	3138.50	24.17	
2900.00	2885.10	2871.86	345.11	131.93	57.07	8.07	3003.13	3138.96	23.11	
3000.00	2984.37	2971.15	345.08	138.11	59.07	8.26	2997.44	3139.45	22.11	
3100.00	3083.63	3070.43	345.04	144.51	61.07	8.45	2991.58	3139.96	21.16	
3200.00	3182.89	3169.72	345.00	151.23	63.07	8.65	2985.43	3140.49	20.25	
3300.00	3281.92	3268.76	344.97	158.12	65.06	8.85	2979.16	3141.05	19.40	
3400.00	3379.09	3365.97	344.93	165.61	67.01	9.05	2972.38	3141.67	18.56	
3500.00	3476.24	3463.15	344.88	174.11	68.96	9.25	2964.74	3142.38	17.69	
3600.00	3573.23	3560.19	344.83	183.49	70.90	9.46	2956.37	3143.18	16.82	
3700.00	3670.21	3657.23	344.77	194.00	72.84	9.68	2947.02	3144.08	15.95	
3800.00	3767.38	3754.46	344.70	205.56	74.79	9.91	2936.79	3145.08	15.10	
3900.00	3864.51	3851.68	344.63	217.77	76.74	10.14	2926.04	3146.16	14.29	
4000.00	3961.61	3948.87	344.56	231.26	78.70	10.38	2914.18	3147.33	13.50	
4100.00	4057.78	4045.15	344.48	245.52	80.63	10.62	2901.70	3148.60	12.75	
4200.00	4152.00	4139.50	344.39	261.44	82.51	10.87	2887.84	3150.03	12.01	
4300.00	4246.13	4233.80	344.29	278.51	84.39	11.13	2873.10	3151.65	11.31	
4400.00	4340.16	4328.04	344.18	298.19	86.27	11.41	2855.97	3153.45	10.60	
4500.00	4436.69	4424.82	344.06	318.80	88.20	11.70	2838.14	3155.44	9.94	
4600.00	4540.05	4528.44	343.93	341.50	90.30	12.02	2818.30	3157.39	9.31	
4700.00	4644.65	4633.27	343.81	362.66	92.42	12.34	2799.84	3159.23	8.79	
4800.00	4751.94	4740.75	343.70	382.44	94.61	12.66	2782.49	3160.86	8.35	
4900.00	4859.39	4848.33	343.61	398.86	96.79	12.98	2768.13	3162.27	8.02	
5000.00	4966.97	4956.00	343.53	413.19	98.97	13.28	2755.50	3163.43	7.75	
5100.00	5074.65	5063.74	343.47	424.46	101.14	13.58	2745.53	3164.35	7.56	
5200.00	5182.41	5171.53	343.43	432.42	103.31	13.86	2738.47	3165.03	7.42	
5300.00	5288.60	5277.74	343.40	438.64	105.44	14.13	2732.80	3165.47	7.32	
5400.00	5390.28	5379.42	343.38	442.74	107.48	14.39	2729.03	3165.80	7.25	
5500.00	5491.95	5481.09	238.35	446.21	109.52	14.64	2726.30	3166.54	7.19	
5600.00	5593.59	5582.73	238.31	449.28	111.56	14.90	2724.90	3168.15	7.15	
5700.00	5695.17	5684.31	238.25	451.59	113.60	15.16	2725.16	3170.61	7.12	
5800.00	5795.65	5784.80	238.18	453.61	115.62	15.42	2726.64	3173.97	7.10	
5900.00	5895.31	5884.46	238.09	455.45	117.62	15.68	2729.28	3178.24	7.08	
6000.00	5994.89	5984.04	237.95	457.29	119.62	15.95	2732.40	3183.00	7.06	
6100.00	6094.47	6083.62	237.81	459.13	121.63	16.21	2735.55	3187.78	7.05	
6200.00	6194.05	6183.20	237.67	460.98	123.63	16.49	2738.72	3192.57	7.03	
6300.00	6293.63	6282.78	237.53	462.84	125.63	16.77	2741.84	3197.39	7.02	
6400.00	6393.21	6382.37	237.39	464.70	127.63	17.05	2744.91	3202.22	7.00	
6500.00	6492.79	6481.95	237.25	466.56	129.64	17.34	2748.00	3207.07	6.99	
6600.00	6592.37	6581.53	237.12	468.43	131.64	17.63	2751.10	3211.94	6.97	
6700.00	6691.95	6681.11	236.98	470.31	133.64	17.93	2754.22	3216.83	6.95	
6800.00	6790.83	6779.99	236.84	472.34	135.64	18.23	2757.22	3221.75	6.94	
6900.00	6889.48	6878.64	236.71	474.49	137.62	18.54	2760.16	3226.71	6.92	
7000.00	6988.12	6977.28	236.57	477.01	139.61	18.85	2762.81	3231.72	6.89	
7100.00	7086.74	7075.90	236.43	479.77	141.59	19.17	2765.30	3236.78	6.87	
7200.00	7185.34	7174.51	236.29	482.73	143.58	19.49	2767.66	3241.88	6.84	
7300.00	7283.14	7272.32	236.15	486.26	145.55	19.82	2769.55	3247.05	6.80	
7400.00	7380.87	7370.04	236.00	490.02	147.51	20.15	2771.31	3252.29	6.76	
7500.00	7478.56	7467.74	235.86	494.45	149.48	20.50	2772.56	3257.61	6.72	
7600.00	7576.21	7565.41	235.71	499.29	151.45	20.84	2773.50	3263.00	6.67	
7700.00	7673.83	7663.04	235.56	504.57	153.41	21.20	2774.14	3268.48	6.61	
7800.00	7772.86	7762.08	235.41	510.25	155.40	21.56	2774.48	3274.01	6.55	
7900.00	7872.30	7861.54	235.26	516.05	157.41	21.94	2774.74	3279.58	6.50	

5D Anti-Collision Report

Secondary Well: Paloma Blanco 17 Fed 1H (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face'to Sec. (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
8000.00	7971.74	7960.99	235.10	521.86	159.41	22.32	2775.03	3285.16	6.44	
8100.00	8071.23	8060.50	234.93	527.66	161.41	22.70	2775.09	3290.52	6.38	
8200.00	8170.80	8160.08	234.78	533.47	163.41	23.09	2774.65	3295.40	6.33	
8300.00	8270.44	8259.74	234.64	539.29	165.42	23.48	2773.69	3299.79	6.27	
8400.00	8370.15	8359.47	234.52	545.11	167.42	23.88	2772.22	3303.69	6.22	
8500.00	8469.93	8459.26	234.41	550.93	169.43	24.29	2770.22	3307.09	6.16	
8600.00	8569.75	8559.10	234.31	556.76	171.44	24.70	2767.68	3310.00	6.10	
8700.00	8669.62	8658.98	234.23	562.59	173.44	25.12	2764.62	3312.40	6.05	
8800.00	8768.56	8757.94	234.17	568.57	175.43	25.54	2760.89	3314.31	5.99	
8900.00	8867.47	8856.86	234.11	574.67	177.42	25.97	2756.55	3315.75	5.93	
9000.00	8966.40	8955.81	339.07	581.09	179.41	26.40	2751.41	3316.70	5.87	
9100.00	9065.33	9054.76	339.04	587.77	181.40	26.84	2745.79	3317.43	5.80	
9200.00	9164.25	9153.71	339.00	594.61	183.39	27.28	2740.04	3318.19	5.74	
9300.00	9261.28	9250.77	338.97	602.10	185.35	27.73	2733.77	3319.02	5.67	
9400.00	9358.13	9347.64	338.93	609.95	187.29	28.18	2727.29	3319.93	5.60	
9500.00	9454.95	9444.50	338.89	618.76	189.24	28.63	2720.04	3320.94	5.53	
9600.00	9551.75	9541.35	338.84	628.27	191.18	29.10	2712.27	3322.05	5.45	
9700.00	9648.53	9638.18	338.79	638.34	193.12	29.57	2704.09	3323.25	5.37	
9800.00	9747.99	9737.70	338.73	649.27	195.12	30.07	2695.21	3324.52	5.28	
9900.00	9847.87	9837.64	338.67	660.32	197.13	30.57	2686.22	3325.78	5.20	
10000.00	9947.75	9937.58	308.62	671.38	199.14	31.08	2677.14	3326.94	5.12	
10100.00	10046.67	10036.57	307.97	682.34	201.13	31.59	2661.83	3321.24	5.04	
10200.00	10141.84	10131.79	306.17	692.88	203.05	32.08	2637.24	3304.99	4.95	
10300.00	10231.74	10221.75	302.70	702.36	204.86	32.55	2603.86	3277.78	4.86	
10400.00	10310.07	10300.11	297.68	710.52	206.44	32.96	2562.84	3240.52	4.78	
10500.00	10372.85	10362.92	291.26	716.42	207.71	33.30	2517.32	3195.49	4.71	
10600.00	10417.32	10407.41	283.83	720.47	208.60	33.53	2469.49	3145.34	4.65	
10700.00	10445.62	10435.73	282.20	723.05	209.17	33.68	2415.37	3086.87	4.60	
10800.00	10461.00	10451.11	277.15	724.45	209.48	33.76	2349.69	3016.00	4.53	
10900.00	10463.31	10453.42	270.57	724.66	209.53	33.78	2275.14	2935.58	4.44	
11000.00	10462.11	10452.21	270.61	724.55	209.51	33.77	2199.58	2853.82	4.36	
11100.00	10460.90	10451.01	270.66	724.44	209.48	33.76	2125.86	2773.25	4.28	
11200.00	10459.70	10449.81	270.70	724.33	209.46	33.76	2054.12	2693.98	4.21	
11300.00	10458.50	10448.60	270.74	724.22	209.43	33.75	1984.55	2616.13	4.14	
11400.00	10457.29	10447.40	270.78	724.11	209.41	33.74	1917.34	2539.84	4.08	
11500.00	10456.09	10446.19	270.82	724.00	209.39	33.74	1852.74	2465.23	4.02	
11600.00	10454.88	10444.98	270.86	723.89	209.36	33.73	1791.02	2392.49	3.98	
11700.00	10453.67	10443.78	270.90	723.78	209.34	33.73	1732.48	2321.77	3.94	
11800.00	10452.47	10442.57	270.95	723.67	209.31	33.72	1676.80	2253.27	3.91	
11900.00	10451.26	10441.36	270.99	723.56	209.29	33.71	1623.96	2187.19	3.88	
12000.00	10450.05	10440.16	271.03	723.45	209.26	33.71	1575.22	2123.77	3.87	
12100.00	10448.84	10438.95	271.07	723.34	209.24	33.70	1530.85	2063.25	3.88	
12200.00	10447.64	10437.74	271.11	723.23	209.22	33.69	1491.37	2005.89	3.90	
12300.00	10446.43	10436.53	271.15	723.12	209.19	33.69	1457.23	1951.97	3.95	
12400.00	10445.22	10435.32	271.19	723.01	209.17	33.68	1428.84	1901.78	4.02	
12500.00	10444.01	10434.11	271.24	722.90	209.14	33.67	1404.92	1855.63	4.12	
12600.00	10442.80	10432.90	271.28	722.79	209.12	33.67	1386.04	1813.82	4.24	
12700.00	10441.58	10431.68	271.32	722.68	209.09	33.66	1373.78	1776.66	4.41	
12800.00	10440.37	10430.47	271.36	722.57	209.07	33.66	1367.05	1744.45	4.62	
12900.00	10439.16	10429.26	271.40	722.46	209.04	33.65	1364.72	1717.46	4.87	
13000.00	10437.95	10428.05	271.44	722.35	209.02	33.64	1367.66	1695.95	5.17	
13100.00	10436.73	10426.83	271.49	722.24	209.00	33.64	1374.55	1680.13	5.50	
13200.00	10435.52	10425.62	271.53	722.13	208.97	33.63	1382.59	1670.15	5.81	
13300.00	10434.31	10424.40	271.57	722.02	208.95	33.62	1391.60	1666.12	6.07	
13400.00	10433.09	10423.19	271.61	721.91	208.92	33.62	1399.55	1668.09	6.21	
13500.00	10431.87	10421.97	271.65	721.79	208.90	33.61	1405.14	1676.03	6.19	
13600.00	10430.66	10420.75	271.70	721.68	208.87	33.60	1409.25	1689.86	6.02	
13700.00	10429.44	10419.54	271.74	721.57	208.85	33.60	1413.18	1709.44	5.77	

5D Anti-Collision Report

Secondary Well: Paloma Blanco 17 Fed 1H (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
13800.00	10428.22	10418.32	271.78	721.46	208.82	33.59	1418.68	1734.57	5.49	
13900.00	10427.01	10417.10	271.82	721.35	208.80	33.58	1426.38	1765.02	5.21	
14000.00	10425.79	10415.88	271.86	721.24	208.77	33.58	1437.64	1800.51	4.96	
14100.00	10424.57	10414.66	271.91	721.13	208.75	33.57	1454.07	1840.75	4.76	
14200.00	10423.35	10413.44	271.95	721.02	208.73	33.56	1475.11	1885.44	4.59	
14300.00	10422.13	10412.22	271.99	720.91	208.70	33.56	1500.48	1934.28	4.46	
14400.00	10420.91	10411.00	272.03	720.80	208.68	33.55	1531.73	1986.95	4.36	
14500.00	10419.69	10409.78	272.07	720.68	208.65	33.55	1568.45	2043.16	4.30	
14600.00	10418.47	10408.56	272.12	720.57	208.63	33.54	1608.34	2102.62	4.25	
14700.00	10417.25	10407.34	272.16	720.46	208.60	33.53	1652.37	2165.08	4.22	
14800.00	10416.02	10406.11	272.20	720.35	208.58	33.53	1700.82	2230.26	4.21	
14900.00	10414.80	10404.89	272.24	720.24	208.55	33.52	1753.33	2297.95	4.22	
15000.00	10413.58	10403.67	272.28	720.13	208.53	33.51	1809.54	2367.93	4.24	
15100.00	10412.35	10402.44	272.33	720.02	208.50	33.51	1869.13	2440.00	4.27	
15117.41	10412.14	10402.23	272.33	720.00	208.50	33.51	1879.82	2452.75	4.28	

Secondary Well: Paloma Blanco 17 Fed Com 2H (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	28.50	0.00	54.92	0.00	0.00	0.00	703.30	704.83	459.06	
100.00	97.54	69.04	54.92	1.32	0.92	2.26	701.67	704.38	259.88	
200.00	194.08	165.59	54.96	3.84	2.43	4.61	700.13	704.98	145.51	
300.00	290.62	262.13	55.02	8.32	4.62	4.64	697.86	706.06	86.08	
400.00	389.45	360.98	55.10	13.98	6.72	4.68	695.45	707.50	58.68	
500.00	488.89	460.44	55.18	20.04	8.79	4.73	692.89	709.03	43.91	
600.00	588.33	559.89	55.27	26.47	10.83	4.80	690.24	710.64	34.85	
700.00	687.75	659.34	55.36	33.15	12.87	4.88	687.57	712.32	28.78	
800.00	787.17	758.78	55.46	40.01	14.89	4.96	684.90	714.08	24.47	
900.00	887.59	859.22	55.56	46.95	16.94	5.07	682.20	715.84	21.28	
1000.00	988.03	959.68	55.65	53.82	18.99	5.17	679.49	717.54	18.86	
1100.00	1088.47	1060.14	55.74	60.34	21.03	5.29	676.90	719.18	17.01	
1200.00	1188.91	1160.60	55.83	66.69	23.07	5.41	674.34	720.75	15.53	
1300.00	1289.36	1261.07	55.91	72.78	25.11	5.54	671.85	722.25	14.33	
1400.00	1388.30	1360.03	55.99	79.02	27.11	5.67	669.31	723.76	13.29	
1500.00	1486.19	1457.93	56.08	85.78	29.07	5.81	666.81	725.52	12.36	
1600.00	1584.37	1556.15	56.19	93.39	31.03	5.95	664.21	727.56	11.48	
1700.00	1687.69	1659.49	56.29	101.09	33.09	6.11	661.41	729.48	10.72	
1800.00	1791.05	1762.86	56.37	107.02	35.16	6.27	658.99	730.94	10.16	
1900.00	1891.25	1863.08	56.43	112.09	37.16	6.43	656.70	732.08	9.71	
2000.00	1990.16	1961.99	56.49	117.21	39.14	6.58	654.53	733.35	9.30	
2100.00	2089.30	2061.15	56.57	122.75	41.13	6.75	652.31	734.76	8.91	
2200.00	2189.27	2161.14	56.64	128.58	43.13	6.91	650.00	736.22	8.54	
2300.00	2289.24	2261.12	56.72	134.42	45.13	7.09	647.69	737.68	8.20	
2400.00	2386.70	2358.60	56.79	140.84	47.09	7.26	645.29	739.27	7.87	
2500.00	2483.42	2455.35	56.89	148.41	49.03	7.44	642.81	741.29	7.53	
2600.00	2580.67	2552.64	57.01	157.25	50.98	7.62	640.20	743.74	7.18	
2700.00	2679.50	2651.52	57.14	167.19	52.96	7.82	637.33	746.41	6.84	
2800.00	2778.32	2750.39	57.28	177.78	54.94	8.02	634.34	749.23	6.52	
2900.00	2877.11	2849.25	57.43	188.84	56.93	8.22	631.29	752.20	6.22	
3000.00	2975.88	2948.09	57.57	200.37	58.91	8.43	628.09	755.31	5.94	
3100.00	3074.81	3047.09	57.73	212.36	60.89	8.65	624.88	758.58	5.67	
3200.00	3174.66	3147.01	57.89	224.75	62.90	8.87	621.57	761.90	5.43	
3300.00	3274.50	3246.94	58.04	237.15	64.91	9.10	618.31	765.23	5.21	
3400.00	3375.09	3347.60	58.20	249.43	66.93	9.33	615.12	768.54	5.01	
3500.00	3476.09	3448.67	58.35	261.39	68.96	9.56	611.98	771.71	4.83	
3600.00	3576.62	3549.27	58.48	272.94	70.98	9.80	608.92	774.74	4.67	
3700.00	3674.27	3646.98	58.62	284.44	72.94	10.03	606.11	777.90	4.53	
3800.00	3771.88	3744.67	58.77	297.04	74.90	10.27	603.13	781.35	4.38	
3900.00	3870.04	3842.92	58.94	310.44	76.87	10.52	600.12	785.08	4.24	

5D Anti-Collision Report

Secondary Well: Paloma Blanco 17 Fed.Com 2H (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
4000.00	3968.66	3941.65	59.10	324.55	78.86	10.77	597.02	788.97	4.11	
4100.00	4067.33	4040.42	59.28	339.15	80.84	11.03	593.93	793.02	3.98	
4200.00	4170.17	4143.37	59.45	353.93	82.91	11.30	590.62	796.94	3.86	
4300.00	4271.20	4244.49	59.61	367.55	84.94	11.57	587.64	800.61	3.76	
4400.00	4372.26	4345.63	59.76	380.59	86.98	11.84	584.82	804.13	3.67	
4500.00	4471.72	4445.18	59.90	393.33	88.97	12.10	582.08	807.57	3.58	
4600.00	4570.19	4543.73	60.04	406.28	90.95	12.37	579.49	811.16	3.50	
4700.00	4670.79	4644.42	60.19	419.45	92.97	12.65	576.97	814.87	3.43	
4800.00	4774.99	4748.70	60.33	432.45	95.08	12.94	574.07	818.19	3.35	
4900.00	4879.26	4853.02	60.45	442.80	97.18	13.21	571.80	820.99	3.29	
5000.00	4983.58	4957.38	60.54	451.54	99.28	13.48	569.65	823.25	3.25	
5100.00	5087.15	5060.97	60.61	458.88	101.36	13.75	567.53	824.98	3.20	
5200.00	5184.45	5158.29	60.68	465.38	103.32	14.00	565.82	826.70	3.17	
5300.00	5281.72	5255.58	60.75	472.83	105.28	14.26	564.10	828.74	3.13	
5400.00	5378.96	5352.86	60.84	481.06	107.24	14.52	562.43	831.11	3.09	
5500.00	5476.19	5450.14	315.92	490.99	109.20	14.80	559.52	833.18	3.04	
5600.00	5575.64	5549.65	315.91	501.18	111.20	15.09	555.03	834.26	2.99	
5700.00	5678.34	5652.40	315.80	511.71	113.27	15.39	548.26	833.88	2.92	
5800.00	5781.00	5755.10	315.58	520.64	115.34	15.69	539.91	831.92	2.85	
5900.00	5883.55	5857.68	315.25	528.70	117.41	15.99	529.66	828.40	2.77	
6000.00	5986.02	5960.16	314.89	535.55	119.47	16.28	518.59	823.96	2.70	
6100.00	6086.27	6060.44	314.51	541.54	121.49	16.57	507.63	819.34	2.63	
6200.00	6186.01	6160.19	314.14	547.32	123.50	16.86	496.72	814.74	2.56	
6300.00	6285.75	6259.94	313.76	553.10	125.51	17.15	485.77	810.17	2.50	
6400.00	6385.48	6359.69	313.38	558.88	127.52	17.45	474.79	805.64	2.44	
6500.00	6485.22	6459.44	312.99	564.67	129.53	17.75	463.76	801.15	2.37	
6600.00	6585.24	6559.48	312.60	570.37	131.55	18.06	452.70	796.70	2.32	
6700.00	6686.85	6661.10	312.19	575.58	133.59	18.37	441.65	792.13	2.26	
6800.00	6788.42	6762.68	311.76	579.99	135.63	18.69	430.67	787.36	2.21	
6900.00	6889.95	6864.21	311.32	583.80	137.67	19.00	419.67	782.41	2.16	
7000.00	6991.44	6965.71	310.86	586.31	139.70	19.32	409.02	777.26	2.11	
7100.00	7091.50	7065.76	310.39	588.68	141.72	19.64	398.20	771.99	2.07	
7200.00	7190.09	7164.35	309.92	590.91	143.71	19.95	387.60	766.85	2.02	
7300.00	7288.70	7262.97	309.46	593.83	145.70	20.27	376.82	761.91	1.98	SF(Lo)
7400.00	7387.33	7361.61	309.00	597.00	147.69	20.60	366.10	757.15	1.94	SF(Lo)
7500.00	7485.99	7460.28	308.54	600.99	149.68	20.94	355.11	752.58	1.89	SF(Lo)
7600.00	7584.96	7559.25	308.08	605.20	151.67	21.29	344.16	748.19	1.85	SF(Lo)
7700.00	7684.40	7658.70	307.61	609.80	153.67	21.64	333.06	743.91	1.81	SF(Lo)
7800.00	7783.85	7758.15	307.15	614.52	155.68	22.01	321.94	739.72	1.77	SF(Lo)
7900.00	7883.30	7857.62	306.67	619.38	157.68	22.37	310.77	735.61	1.73	SF(Lo)
8000.00	7982.76	7957.09	306.20	624.39	159.69	22.74	299.54	731.58	1.69	SF(Lo)
8100.00	8082.25	8056.59	305.77	629.52	161.70	23.12	288.73	727.90	1.66	SF(Lo)
8200.00	8181.81	8156.16	305.39	634.83	163.70	23.51	278.78	724.80	1.63	SF(Lo)
8300.00	8281.41	8255.78	305.06	640.23	165.71	23.90	269.73	722.27	1.60	SF(Lo)
8400.00	8381.06	8355.44	304.78	645.84	167.72	24.29	261.51	720.31	1.57	SF(Lo)
8500.00	8480.74	8455.14	304.56	651.51	169.73	24.70	254.21	718.88	1.55	SF(Lo)
8600.00	8579.79	8554.20	304.40	657.73	171.72	25.11	247.59	718.04	1.53	SF(Lo)
8700.00	8678.76	8653.19	304.31	664.01	173.72	25.52	242.06	717.84	1.51	SF(Lo)
8800.00	8777.74	8752.20	304.28	671.32	175.71	25.94	237.02	718.26	1.49	SF(Med)
8900.00	8876.71	8851.20	304.31	678.73	177.71	26.37	233.06	719.32	1.48	SF(Med)
9000.00	8975.66	8950.18	49.40	687.10	179.70	26.81	229.67	721.00	1.47	SF(Med)
9100.00	9074.58	9049.14	49.54	695.65	181.69	27.25	226.87	723.08	1.46	SF(Med)
9200.00	9173.49	9148.09	49.69	705.07	183.69	27.71	223.77	725.30	1.45	SF(Med)
9300.00	9272.38	9247.03	49.85	714.75	185.68	28.17	220.75	727.66	1.44	SF(Med)
9400.00	9371.26	9345.95	50.01	725.21	187.67	28.64	217.51	730.17	1.42	SF(Med)
9500.00	9470.54	9445.29	50.18	735.87	189.66	29.11	214.40	732.81	1.41	SF(Med)
9600.00	9570.67	9545.48	50.35	746.89	191.68	29.60	211.12	735.47	1.40	SF(Med)
9700.00	9670.80	9645.67	50.52	757.77	193.70	30.09	207.91	738.10	1.39	SF(Med)

Secondary Well: Paloma Blanco 17 Fed Com 2H (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
9800.00	9770.93	9745.86	50.69	768.57	195.72	30.59	204.72	740.70	1.38	SF(Med)
9900.00	9871.08	9846.06	50.85	779.15	197.73	31.09	201.66	743.27	1.37	SF(Med)
10000.00	9971.22	9946.26	21.01	789.66	199.75	31.60	198.50	745.65	1.36	SF(Med)
10100.00	10070.79	10045.88	21.77	799.97	201.75	32.11	188.05	737.72	1.34	SF(Med)
10200.00	10167.17	10142.30	23.77	809.80	203.69	32.61	167.25	713.89	1.31	SF(Med)
10300.00	10256.38	10231.56	27.87	818.84	205.49	33.07	137.48	673.48	1.26	SF(Med)
10400.00	10334.25	10309.47	34.96	826.58	207.06	33.48	103.54	617.83	1.20	SF(Med)
10500.00	10397.36	10372.61	46.39	832.83	208.33	33.81	73.86	550.62	1.15	SF(Med)
10600.00	10443.00	10418.27	62.47	837.32	209.25	34.06	57.66	476.90	1.14	SF(Med)
10700.00	10472.82	10448.11	79.10	840.11	209.85	34.22	82.64	410.13	1.25	SF(Med)
10800.00	10489.24	10464.53	87.11	841.65	210.18	34.30	131.91	369.92	1.55	SF(Lo)
10900.00	10492.15	10467.44	88.25	841.92	210.24	34.32	61.49	368.21	1.20	SF(Med)
11000.00	10491.44	10466.73	88.14	841.85	210.22	34.32	-62.39	396.41	0.86	SF(Hi)
11100.00	10490.73	10466.02	88.02	841.79	210.21	34.31	-141.29	445.77	0.76	SF(Hi)
11200.00	10490.02	10465.31	87.91	841.72	210.20	34.31	-165.60	510.17	0.75	SF(Hi)
11300.00	10489.31	10464.60	87.80	841.65	210.18	34.30	-149.88	584.67	0.80	SF(Hi)
11400.00	10488.60	10463.90	87.69	841.59	210.17	34.30	-106.43	665.88	0.86	SF(Hi)
11500.00	10487.89	10463.19	87.58	841.52	210.15	34.30	-45.51	751.64	0.94	SF(Hi)
11600.00	10487.18	10462.48	87.47	841.45	210.14	34.29	26.74	840.55	1.03	SF(Med)
11700.00	10486.48	10461.77	87.35	841.39	210.12	34.29	105.92	931.71	1.13	SF(Med)
11800.00	10485.77	10461.06	87.24	841.32	210.11	34.28	189.05	1024.52	1.23	SF(Med)
11900.00	10485.06	10460.35	87.13	841.26	210.10	34.28	276.00	1118.57	1.33	SF(Med)
12000.00	10484.35	10459.65	87.02	841.19	210.08	34.28	365.68	1213.57	1.43	SF(Med)
12100.00	10483.65	10458.94	86.91	841.12	210.07	34.27	457.35	1309.32	1.54	SF(Lo)
12200.00	10482.94	10458.23	86.80	841.06	210.05	34.27	550.48	1405.65	1.64	SF(Lo)
12300.00	10482.23	10457.52	86.68	840.99	210.04	34.27	644.69	1502.47	1.75	SF(Lo)
12400.00	10481.53	10456.82	86.57	840.92	210.03	34.26	739.87	1599.68	1.86	SF(Lo)
12500.00	10480.82	10456.11	86.46	840.86	210.01	34.26	835.81	1697.21	1.97	SF(Lo)
12600.00	10480.11	10455.40	86.35	840.79	210.00	34.25	932.28	1795.01	2.08	
12700.00	10479.41	10454.70	86.24	840.73	209.98	34.25	1029.26	1893.05	2.19	
12800.00	10478.70	10453.99	86.13	840.66	209.97	34.25	1126.69	1991.27	2.30	
12900.00	10477.99	10453.28	86.02	840.59	209.95	34.24	1224.27	2089.67	2.41	
13000.00	10477.29	10452.58	85.91	840.53	209.94	34.24	1322.21	2188.21	2.53	
13100.00	10476.58	10451.87	85.80	840.46	209.93	34.24	1420.41	2286.88	2.64	
13200.00	10475.88	10451.17	85.68	840.40	209.91	34.23	1518.78	2385.66	2.75	
13300.00	10475.17	10450.46	85.57	840.33	209.90	34.23	1617.30	2484.53	2.86	
13400.00	10474.47	10449.76	85.46	840.26	209.88	34.22	1715.98	2583.49	2.98	
13500.00	10473.76	10449.05	85.35	840.20	209.87	34.22	1814.78	2682.53	3.09	
13600.00	10473.06	10448.35	85.24	840.13	209.85	34.22	1913.69	2781.64	3.20	
13700.00	10472.36	10447.64	85.13	840.07	209.84	34.21	2012.70	2880.81	3.32	
13800.00	10471.65	10446.94	85.02	840.00	209.83	34.21	2111.79	2980.03	3.43	
13900.00	10470.95	10446.23	84.91	839.94	209.81	34.21	2210.95	3079.31	3.55	
14000.00	10470.25	10445.53	84.80	839.87	209.80	34.20	2310.18	3178.63	3.66	
14100.00	10469.54	10444.83	84.69	839.80	209.78	34.20	2409.47	3277.99	3.77	
14200.00	10468.84	10444.12	84.58	839.74	209.77	34.19	2508.81	3377.39	3.89	
14300.00	10468.14	10443.42	84.47	839.67	209.76	34.19	2608.20	3476.82	4.00	
14400.00	10467.43	10442.72	84.36	839.61	209.74	34.19	2707.63	3576.29	4.12	
14500.00	10466.73	10442.01	84.25	839.54	209.73	34.18	2807.08	3675.78	4.23	
14600.00	10466.03	10441.31	84.14	839.47	209.71	34.18	2906.57	3775.30	4.35	
14700.00	10465.33	10440.61	84.03	839.41	209.70	34.18	3006.10	3874.84	4.46	
14800.00	10464.62	10439.91	83.92	839.34	209.68	34.17	3105.65	3974.41	4.57	
14900.00	10463.92	10439.21	83.81	839.28	209.67	34.17	3205.23	4074.00	4.69	
15000.00	10463.22	10438.50	83.70	839.21	209.66	34.16	3304.83	4173.61	4.80	
15100.00	10462.52	10437.80	83.59	839.15	209.64	34.16	3404.45	4273.23	4.92	
15117.41	10462.40	10437.68	83.57	839.14	209.64	34.16	3421.80	4290.58	4.94	

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, L.P.
White Dove 17 Fed Com 3H

1. Drilling Nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated filings will be in operable condition to withstand a minimum of 3000psi working pressure.
4. All fittings will be flanged.
5. A fill bore safety valve tested to a minimum of 3000psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.



Fluid Technology

ContiTech Beattie Corp.

Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental Contitech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson
Sales Manager
ContiTech Beattie Corp

ContiTech Beattie Corp,
11535 Brittmoore Park Drive,
Houston, TX 77041
Phone: +1 (832) 327-0141
Fax: +1 (832) 327-0148
www.contitechbeattie.com



RIG 212



QUALITY DOCUMENT

PHOENIX RUBBER
INDUSTRIAL LTD.

6728 Szeged, Budapesti út 10, Hungary • H-6701 Szeged, P. O. Box 152
Phone: (3662) 556-737 • Fax: (3662) 556-738

SALES & MARKETING: H-1092 Budapest, Ráday u. 42-44, Hungary • H-1440 Budapest, P. O. Box 28
Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.taurusemerge.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 552	
PURCHASER: Phoenix Beattie Co.				P.O. N°: 1519FA-871	
PHOENIX RUBBER order N°: 170466		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 34128		NOMINAL / ACTUAL LENGTH: 11,43 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature See attachment. (1 page) ↑ 10 mm = 10 Min. → 10 mm = 25 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	720 719		AISI 4130	C7626	
			AISI 4130	47357	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date:	Inspector		Quality Control		
29. April. 2002.			PHOENIX RUBBER Industrial Ltd. Hose Inspection and Pressure Testing Dept. PHOENIX RUBBER Q.C.		

40920-0-00015 N6006

5	GN4 +0.000	PC	14:00
	RD4 +0.000	PC	14:00
	BL +13.11	SL	14:00
7			
	GN4 +0.000	PC	13:40
	RD4 +0.000	PC	13:40
	BL +10.47	SL	13:40
6			
	GN4 +0.000	PC	13:20
	RD4 +0.000	PC	13:20
	BL +10.50	SL	13:20
5			
	GN4 +0.000	PC	13:00
	RD4 +0.000	PC	13:00
	BL +10.56	SL	13:00
4			
3			
	PRECEDENT 31123, 12-32		
2			

GENEX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

VERIFIED TRUE CO.
PHOENIX RUBBER CO.

H&P Flex Rig Location Layout

3 Well Pad

