

SEP 25 2015

30-015-43381

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Burton Flat Deep Unit 81H
Eddy Co, NM

Weatherford



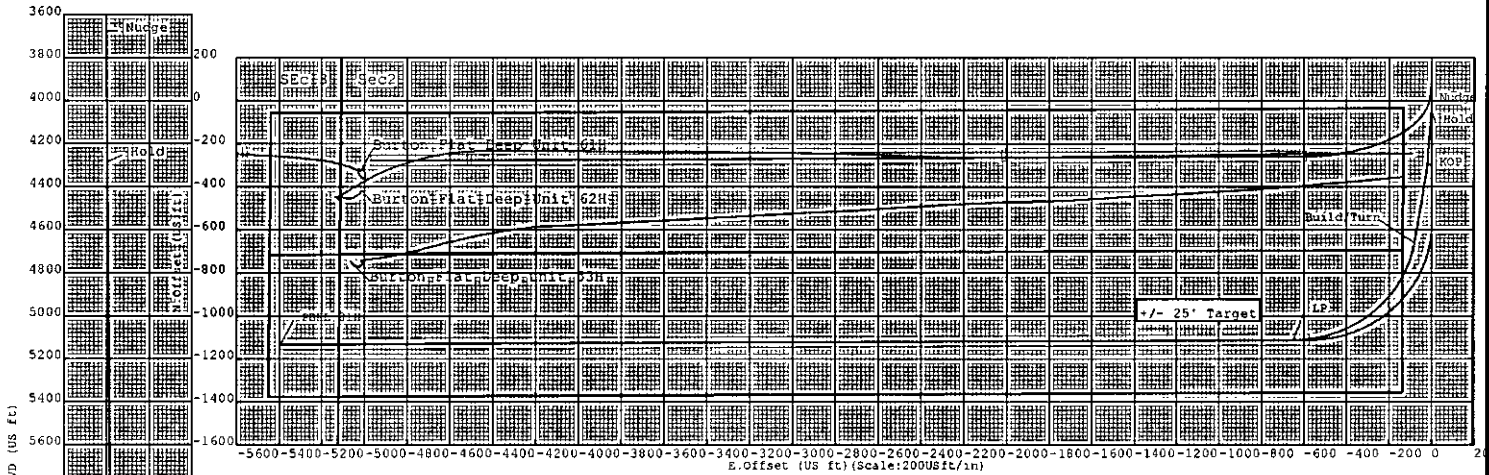
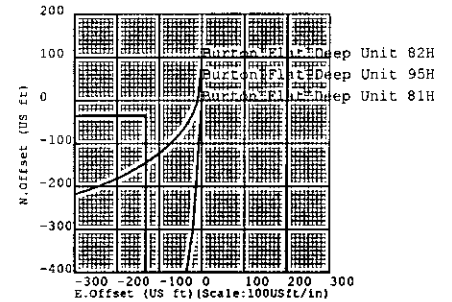
KB:3236
GL:3211

Plan Data for Burton Flat Deep Unit 81H

Plan Point Information:									
DogLeg Severity Unit: °/100.00ft				Position offsets from Slot centre					
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
0.00	0.00	0.00	0.00	-0.00	0.00	548768.80	597130.80	0.00	0.00
3676.00	0.00	0.00	3676.00	-0.00	0.00	548768.80	597130.80	0.00	0.00
4285.00	6.09	184.00	4283.85	-32.26	-2.26	548736.54	597128.54	2.40	1.00
6719.00	6.09	184.00	6704.12	-289.85	-20.27	548478.95	597110.53	21.53	0.00
7358.45	70.00	190.00	7182.06	-658.67	-81.27	548110.13	597049.53	84.15	10.00
8166.54	91.25	269.75	7338.26	-1112.12	-648.44	547656.68	596482.36	653.29	10.00
12912.74	91.25	269.75	7235.00	-1132.74	-5393.47	547636.06	591737.33	5398.36	0.00

Plan Data for Burton Flat Deep Unit 81H

Slot: Burton Flat Deep Unit 81H
Position:
Offset is from Site centre
+N/-S: -100.00USft Northing: 548768.80USft Latitude: 32.508496°
+E/-W: -0.50USft Easting: 597130.80USft Longitude: -104.152342°
Elevation Above VRD: 3211.00USft

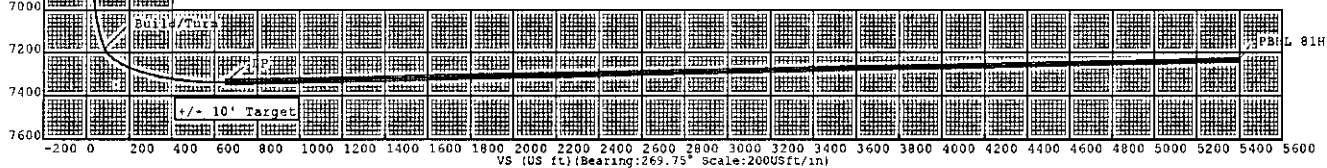


Plan Data for Burton Flat Deep Unit 81H

Well: Burton Flat Deep Unit 81H
Type: Main Well
File Number:
Plan Folder: P1 Plan: P1.V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: -0.00USft Azimuth: 269.75°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGM 48294(nT) 7.54° 60.28° 2015-12-15

Plan Data for Burton Flat Deep Unit 81H

Target Set Information:
Name: Burton Flat Deep Unit 81H
Position offsets from Slot centre
Name TVD TVD SS +N/-S +E/-W Northing Easting
(USft) (USft) (USft) (USft) (USft) (USft)
LP Tgt 7350.00 -4114.00 -1209.75 -136.32 547659.05 596994.98
PBHL 81H 7235.00 -3999.00 -1232.74 -5393.97 547636.06 591737.33



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5D Plan Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Burton Flat Deep Unit 82H, 95H, 81H Pad*
Well Name: *Burton Flat Deep Unit 81H*
Plan: *P1:V1*

14 August 2015





Burton Flat Deep Unit 81H

Field Name: Eddy Co, NM (Nad 83 NME)	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Burton Flat Deep Unit 82H, 95H, 81H Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.10	
	Position:	Northing: 548868.80US ft	Latitude: 32° 30' 31.57"	
		Easting: 597131.30US ft	Longitude: -104° 9' 8.42"	
	Elevation above MSL: 3210.00 US ft		Comment:	
Slot: Burton Flat Deep Unit 81H	Position (Relative to Site Centre)			
	+N/-S: -100.00US ft	Northing: 548768.80US ft	Latitude: 32°30'30.58"	
	+E/-W: -0.50US ft	Easting: 597130.80US ft	Longitude: -104°9'8.43"	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 3211.00US ft		Comment:		
Well: Burton Flat Deep Unit 81H	Type: Main well		UWI:	Plan: P1:V1
	File Number:	Comment:		
	Closure Distance: 5511.14US ft		Closure Azimuth: 258.14°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: -0.00US ft		+E/-W: 0.00US ft	Az: 269.75°
	Magnetic Parameters:			
	Model: BGGM	Field Strength: 48294.3nT	Declination: 7.54°	Dip: 60.28°
			Date: 15/Dec/2015	

Drill floor: Plan: P1:V1				
Rig Height (Kelly Bushing): 25.00us ft	Elevation above MSL: 3236.00us ft	Inclination: 0.00°	Azimuth: 0.00°	

Target set: Burton Flat Deep Unit 81H Comment:							
Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (USFt)	Easting (USFt)	Comment
LP Tgt	Point	7350.00	-1109.75	-135.82	547659.05	596994.98	
PBHL 81H	Point	7235.00	-1132.74	-5393.47	547636.06	591737.33	

Wellpath created using minimum curvature.

5D Plan Report

Tie Point:											
MD: 0.00USFt		Inclination: 0.00°		Azimuth: 0.00°		TVD: 0.00USFt		North Offset: -0.00USFt		East Offset: 0.00USFt	

Salient Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	B.Rate (°/100US ft)	T.Rate (°/100US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	-0.00	0.00	0.00	0.00	0.00	
3676.00	0.00	0.00	3676.00	-0.00	0.00	-0.00	0.00	0.00	0.00	0.00	Nudge
4285.00	6.09	184.00	4283.85	-32.26	-2.26	2.40	1.00	1.00	0.00	184.00	Hold
6719.00	6.09	184.00	6704.12	-289.85	-20.27	21.53	0.00	0.00	0.00	0.00	KOP
7358.45	70.00	190.00	7182.06	-658.67	-81.27	84.15	10.00	9.99	0.94	6.28	Build/Turn
8166.54	91.25	269.75	7338.26	-1112.12	-648.44	653.29	10.00	2.63	9.87	85.28	LP
12912.74	91.25	269.75	7235.00	-1132.74	-5393.47	5398.36	0.00	0.00	0.00	0.00	PBHL 81H

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)		Comment
3600.00	0.00	0.00	3600.00	-0.00	0.00	-0.00	0.00	548768.80	597130.80		
3676.00	0.00	0.00	3676.00	-0.00	0.00	-0.00	0.00	548768.80	597130.80		Nudge
3700.00	0.24	184.00	3700.00	-0.05	-0.00	0.00	1.00	548768.75	597130.80		
3800.00	1.24	184.00	3799.99	-1.34	-0.09	0.10	1.00	548767.46	597130.71		
3900.00	2.24	184.00	3899.94	-4.37	-0.31	0.32	1.00	548764.43	597130.49		
4000.00	3.24	184.00	3999.83	-9.14	-0.64	0.68	1.00	548759.66	597130.16		
4100.00	4.24	184.00	4099.61	-15.64	-1.09	1.16	1.00	548753.16	597129.71		
4200.00	5.24	184.00	4199.27	-23.89	-1.67	1.77	1.00	548744.91	597129.13		
4285.00	6.09	184.00	4283.85	-32.26	-2.26	2.40	1.00	548736.54	597128.54		Hold
4300.00	6.09	184.00	4298.77	-33.84	-2.37	2.51	0.00	548734.96	597128.43		
4400.00	6.09	184.00	4398.20	-44.43	-3.11	3.30	0.00	548724.37	597127.69		
4500.00	6.09	184.00	4497.64	-55.01	-3.85	4.09	0.00	548713.79	597126.95		
4600.00	6.09	184.00	4597.08	-65.59	-4.59	4.87	0.00	548703.21	597126.21		
4700.00	6.09	184.00	4696.51	-76.18	-5.33	5.66	0.00	548692.62	597125.47		
4800.00	6.09	184.00	4795.95	-86.76	-6.07	6.45	0.00	548682.04	597124.73		
4900.00	6.09	184.00	4895.38	-97.34	-6.81	7.23	0.00	548671.46	597123.99		
5000.00	6.09	184.00	4994.82	-107.93	-7.55	8.02	0.00	548660.87	597123.25		
5100.00	6.09	184.00	5094.25	-118.51	-8.29	8.80	0.00	548650.29	597122.51		
5200.00	6.09	184.00	5193.69	-129.09	-9.03	9.59	0.00	548639.71	597121.77		
5300.00	6.09	184.00	5293.13	-139.68	-9.77	10.38	0.00	548629.12	597121.03		
5400.00	6.09	184.00	5392.56	-150.26	-10.51	11.16	0.00	548618.54	597120.29		
5500.00	6.09	184.00	5492.00	-160.84	-11.25	11.95	0.00	548607.96	597119.55		
5600.00	6.09	184.00	5591.43	-171.43	-11.99	12.74	0.00	548597.37	597118.81		
5700.00	6.09	184.00	5690.87	-182.01	-12.73	13.52	0.00	548586.79	597118.07		
5800.00	6.09	184.00	5790.30	-192.59	-13.47	14.31	0.00	548576.21	597117.33		
5900.00	6.09	184.00	5889.74	-203.18	-14.21	15.09	0.00	548565.62	597116.59		
6000.00	6.09	184.00	5989.18	-213.76	-14.95	15.88	0.00	548555.04	597115.85		
6100.00	6.09	184.00	6088.61	-224.34	-15.69	16.67	0.00	548544.46	597115.11		
6200.00	6.09	184.00	6188.05	-234.92	-16.43	17.45	0.00	548533.88	597114.37		
6300.00	6.09	184.00	6287.48	-245.51	-17.17	18.24	0.00	548523.29	597113.63		
6400.00	6.09	184.00	6386.92	-256.09	-17.91	19.02	0.00	548512.71	597112.89		
6500.00	6.09	184.00	6486.35	-266.67	-18.65	19.81	0.00	548502.13	597112.15		
6600.00	6.09	184.00	6585.79	-277.26	-19.39	20.60	0.00	548491.54	597111.41		
6700.00	6.09	184.00	6685.22	-287.84	-20.13	21.38	0.00	548480.96	597110.67		
6719.00	6.09	184.00	6704.12	-289.85	-20.27	21.53	0.00	548478.95	597110.53		KOP
6800.00	14.17	187.61	6783.79	-303.99	-21.88	23.21	10.00	548464.81	597108.92		
6900.00	24.16	188.76	6878.13	-336.43	-26.63	28.10	10.00	548432.37	597104.17		
7000.00	34.16	189.26	6965.34	-384.49	-34.29	35.97	10.00	548384.31	597096.51		
7100.00	44.16	189.56	7042.78	-446.70	-44.62	46.57	10.00	548322.10	597086.18		
7200.00	54.16	189.76	7108.10	-521.18	-57.30	59.58	10.00	548247.62	597073.50		
7300.00	64.16	189.92	7159.31	-605.67	-71.97	74.61	10.00	548163.13	597058.83		
7358.45	70.00	190.00	7182.06	-658.67	-81.27	84.15	10.00	548110.13	597049.53		Build/Turn
7400.00	70.40	194.40	7196.14	-696.87	-89.53	92.57	10.00	548071.93	597041.27		
7500.00	71.78	204.87	7228.64	-785.81	-121.30	124.72	10.00	547982.99	597009.50		

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
7600.00	73.72	215.14	7258.37	-868.35	-169.01	172.80	10.00	547900.45	596961.79	
7700.00	76.14	225.19	7284.43	-941.99	-231.24	235.35	10.00	547826.81	596899.56	
7800.00	78.96	235.02	7306.04	-1004.50	-306.08	310.46	10.00	547764.30	596824.72	
7900.00	82.09	244.65	7322.54	-1053.97	-391.26	395.85	10.00	547714.83	596739.54	
8000.00	85.44	254.13	7333.42	-1088.89	-484.19	488.94	10.00	547679.91	596646.61	
8100.00	88.91	263.52	7338.35	-1108.22	-582.05	586.88	10.00	547660.58	596548.75	
8166.54	91.25	269.75	7338.26	-1112.12	-648.44	653.29	10.00	547656.68	596482.36	LP
8200.00	91.25	269.75	7337.53	-1112.27	-681.89	686.74	0.00	547656.53	596448.91	
8300.00	91.25	269.75	7335.35	-1112.70	-781.87	786.71	0.00	547656.10	596348.93	
8400.00	91.25	269.75	7333.18	-1113.13	-881.84	886.69	0.00	547655.67	596248.96	
8500.00	91.25	269.75	7331.00	-1113.57	-981.82	986.67	0.00	547655.23	596148.98	
8600.00	91.25	269.75	7328.83	-1114.00	-1081.79	1086.64	0.00	547654.80	596049.01	
8700.00	91.25	269.75	7326.65	-1114.44	-1181.77	1186.62	0.00	547654.36	595949.03	
8800.00	91.25	269.75	7324.47	-1114.87	-1281.74	1286.60	0.00	547653.93	595849.06	
8900.00	91.25	269.75	7322.30	-1115.31	-1381.72	1386.57	0.00	547653.49	595749.08	
9000.00	91.25	269.75	7320.12	-1115.74	-1481.69	1486.55	0.00	547653.06	595649.11	
9100.00	91.25	269.75	7317.95	-1116.18	-1581.67	1586.52	0.00	547652.62	595549.13	
9200.00	91.25	269.75	7315.77	-1116.61	-1681.64	1686.50	0.00	547652.19	595449.16	
9300.00	91.25	269.75	7313.60	-1117.04	-1781.62	1786.48	0.00	547651.76	595349.18	
9400.00	91.25	269.75	7311.42	-1117.48	-1881.60	1886.45	0.00	547651.32	595249.20	
9500.00	91.25	269.75	7309.25	-1117.91	-1981.57	1986.43	0.00	547650.89	595149.23	
9600.00	91.25	269.75	7307.07	-1118.35	-2081.55	2086.41	0.00	547650.45	595049.25	
9700.00	91.25	269.75	7304.89	-1118.78	-2181.52	2186.38	0.00	547650.02	594949.28	
9800.00	91.25	269.75	7302.72	-1119.22	-2281.50	2286.36	0.00	547649.58	594849.30	
9900.00	91.25	269.75	7300.54	-1119.65	-2381.47	2386.34	0.00	547649.15	594749.33	
10000.00	91.25	269.75	7298.37	-1120.09	-2481.45	2486.31	0.00	547648.71	594649.35	
10100.00	91.25	269.75	7296.19	-1120.52	-2581.42	2586.29	0.00	547648.28	594549.38	
10200.00	91.25	269.75	7294.02	-1120.95	-2681.40	2686.26	0.00	547647.85	594449.40	
10300.00	91.25	269.75	7291.84	-1121.39	-2781.37	2786.24	0.00	547647.41	594349.43	
10400.00	91.25	269.75	7289.67	-1121.82	-2881.35	2886.22	0.00	547646.98	594249.45	
10500.00	91.25	269.75	7287.49	-1122.26	-2981.32	2986.19	0.00	547646.54	594149.48	
10600.00	91.25	269.75	7285.31	-1122.69	-3081.30	3086.17	0.00	547646.11	594049.50	
10700.00	91.25	269.75	7283.14	-1123.13	-3181.28	3186.15	0.00	547645.67	593949.52	
10800.00	91.25	269.75	7280.96	-1123.56	-3281.25	3286.12	0.00	547645.24	593849.55	
10900.00	91.25	269.75	7278.79	-1124.00	-3381.23	3386.10	0.00	547644.80	593749.57	
11000.00	91.25	269.75	7276.61	-1124.43	-3481.20	3486.08	0.00	547644.37	593649.60	
11100.00	91.25	269.75	7274.44	-1124.86	-3581.18	3586.05	0.00	547643.94	593549.62	
11200.00	91.25	269.75	7272.26	-1125.30	-3681.15	3686.03	0.00	547643.50	593449.65	
11300.00	91.25	269.75	7270.09	-1125.73	-3781.13	3786.00	0.00	547643.07	593349.67	
11400.00	91.25	269.75	7267.91	-1126.17	-3881.10	3885.98	0.00	547642.63	593249.70	
11500.00	91.25	269.75	7265.73	-1126.60	-3981.08	3985.96	0.00	547642.20	593149.72	
11600.00	91.25	269.75	7263.56	-1127.04	-4081.05	4085.93	0.00	547641.76	593049.75	
11700.00	91.25	269.75	7261.38	-1127.47	-4181.03	4185.91	0.00	547641.33	592949.77	
11800.00	91.25	269.75	7259.21	-1127.91	-4281.01	4285.89	0.00	547640.89	592849.79	
11900.00	91.25	269.75	7257.03	-1128.34	-4380.98	4385.86	0.00	547640.46	592749.82	
12000.00	91.25	269.75	7254.86	-1128.77	-4480.96	4485.84	0.00	547640.03	592649.84	
12100.00	91.25	269.75	7252.68	-1129.21	-4580.93	4585.81	0.00	547639.59	592549.87	
12200.00	91.25	269.75	7250.51	-1129.64	-4680.91	4685.79	0.00	547639.16	592449.89	
12300.00	91.25	269.75	7248.33	-1130.08	-4780.88	4785.77	0.00	547638.72	592349.92	
12400.00	91.25	269.75	7246.15	-1130.51	-4880.86	4885.74	0.00	547638.29	592249.94	
12500.00	91.25	269.75	7243.98	-1130.95	-4980.83	4985.72	0.00	547637.85	592149.97	
12600.00	91.25	269.75	7241.80	-1131.38	-5080.81	5085.70	0.00	547637.42	592049.99	
12700.00	91.25	269.75	7239.63	-1131.82	-5180.78	5185.67	0.00	547636.98	591950.02	
12800.00	91.25	269.75	7237.45	-1132.25	-5280.76	5285.65	0.00	547636.55	591850.04	
12900.00	91.25	269.75	7235.28	-1132.68	-5380.73	5385.63	0.00	547636.12	591750.07	
12912.74	91.25	269.75	7235.00	-1132.74	-5393.47	5398.36	0.00	547636.06	591737.33	PBHL 81H

**5D Anti-Collision Report****Devon Energy****Field Name:** *Eddy Co, NM (Nad 83 NME)***Site Name:** *Burton Flat Deep Unit 82H, 95H, 81H Pad***Well Name:** *Burton Flat Deep Unit 81H*

14 August 2015





Burton Flat Deep Unit 81H

Field Names Eddy Co, NM (Nad 83 NME)	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: Burton Flat Deep Unit 82H, 95H, 81H Pad	Units: US ft Position:	North Reference: Grid Northing: 548868.80US ft Easting: 597131.30US ft	Convergence Angle: 0.10 Latitude: 32° 30' 31.57" Longitude: -104° 9' 8.42" Elevation above MSL: 3210.00 US ft Comment:	
Slot: Burton Flat Deep Unit 81H	Position (Relative to Site Centre) +N/-S: -100.00US ft Northing: 548768.80US ft Latitude: 32°30'30.58" +E/-W: -0.50US ft Easting: 597130.80US ft Longitude: -104°9'8.43" Slot TVD Reference: Ground Elevation Elevation above MSL: 3211.00US ft Comment:			
Well: Burton Flat Deep Unit 81H	Type: Main well UWI: Plan: Working Plan File Number: Comment: Closure Distance: 5511.14US ft Closure Azimuth: 258.14° Vertical Section: Position of Origin (Relative to Slot centre) +N/-S: -0.00US ft +E/-W: 0.00US ft Az: 269.75° Magnetic Parameters: Model: BGGM Field Strength: 48294.3nT Declination: 7.54° Dip: 60.28° Date: 15/Dec/2015			

Drill floor: Plan: Working Plan		
Rig Height (Kelly Bushing): 25.00us ft	Elevation above MSL: 3236.00us ft	Inclination: 0.00° Azimuth: 0.00°

Collision / Uncertainty Analysis				
Primary Well	Start MD (USFt)	End MD (USFt)	Collision Risk Interval	No. of Std. Deviations in Error Computation
Burton Flat Deep Unit 81H (p)	0.00	12912.74	100.00	2

Secondary Well Names:
Burton Flat Deep Unit 95H (p) Burton Flat Deep Unit 62H (s) Burton Flat Deep Unit 82H (p) Burton Flat Deep unit 53H (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

SD Anti-Collision Report

Anti-Collision Report Terminology

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.

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: No filter has been applied.

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
Burton Flat Deep Unit 53H (s)	6673.24	6658.62	11331.00	56.09	132.15	1.74	SF(Lo)
Burton Flat Deep Unit 95H (p)	3742.19	3742.19	3742.19	33.27	50.38	2.94	
Burton Flat Deep Unit 82H (p)	12487.50	7244.25	12150.28	583.62	853.51	3.16	
Burton Flat Deep Unit 62H (s)	12633.59	7241.07	7152.65	544.38	697.17	4.56	

Primary Well: Burton Flat Deep Unit 81H (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	0.34	0.00	0.00	0.00	Burton Flat Deep Unit 95H (p)	49.43	50.00	88.24	
100.00	100.00	0.34	0.11	0.11	4.60	Burton Flat Deep Unit 95H (p)	49.21	50.00	63.51	
200.00	200.00	0.34	0.34	0.34	4.62	Burton Flat Deep Unit 95H (p)	48.76	50.00	40.43	
300.00	300.00	0.34	0.56	0.56	4.65	Burton Flat Deep Unit 95H (p)	48.31	50.00	29.65	
400.00	400.00	0.34	0.79	0.79	4.69	Burton Flat Deep Unit 95H (p)	47.86	50.00	23.41	
500.00	500.00	0.34	1.01	1.01	4.75	Burton Flat Deep Unit 95H (p)	47.42	50.00	19.34	
600.00	600.00	0.34	1.24	1.24	4.81	Burton Flat Deep Unit 95H (p)	46.97	50.00	16.47	
700.00	700.00	0.34	1.46	1.46	4.88	Burton Flat Deep Unit 95H (p)	46.52	50.00	14.35	
800.00	800.00	0.34	1.69	1.69	4.97	Burton Flat Deep Unit 95H (p)	46.07	50.00	12.71	
900.00	900.00	0.34	1.91	1.91	5.06	Burton Flat Deep Unit 95H (p)	45.62	50.00	11.41	
1000.00	1000.00	0.34	2.14	2.14	5.16	Burton Flat Deep Unit 95H (p)	45.17	50.00	10.34	
1100.00	1100.00	0.34	2.36	2.36	5.26	Burton Flat Deep Unit 95H (p)	44.72	50.00	9.46	
1200.00	1200.00	0.34	2.59	2.59	5.37	Burton Flat Deep Unit 95H (p)	44.27	50.00	8.72	
1300.00	1300.00	0.34	2.81	2.81	5.49	Burton Flat Deep Unit 95H (p)	43.82	50.00	8.09	
1400.00	1400.00	0.34	3.03	3.03	5.62	Burton Flat Deep Unit 95H (p)	43.37	50.00	7.54	
1500.00	1500.00	0.34	3.26	3.26	5.75	Burton Flat Deep Unit 95H (p)	42.92	50.00	7.06	
1600.00	1600.00	0.34	3.48	3.48	5.88	Burton Flat Deep Unit 95H (p)	42.47	50.00	6.64	

5D Anti-Collision Report

Primary Well: Burton Flat Deep Unit 81H (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
1700.00	1700.00	0.34	3.71	3.71	6.02	Burton Flat Deep Unit 95H (p)	42.02	50.00	6.27	
1800.00	1800.00	0.34	3.93	3.93	6.16	Burton Flat Deep Unit 95H (p)	41.57	50.00	5.93	
1900.00	1900.00	0.34	4.16	4.16	6.31	Burton Flat Deep Unit 95H (p)	41.12	50.00	5.63	
2000.00	2000.00	0.34	4.38	4.38	6.46	Burton Flat Deep Unit 95H (p)	40.67	50.00	5.36	
2100.00	2100.00	0.34	4.61	4.61	6.61	Burton Flat Deep Unit 95H (p)	40.22	50.00	5.11	
2200.00	2200.00	0.34	4.83	4.83	6.77	Burton Flat Deep Unit 95H (p)	39.77	50.00	4.89	
2300.00	2300.00	0.34	5.06	5.06	6.93	Burton Flat Deep Unit 95H (p)	39.32	50.00	4.68	
2400.00	2400.00	0.34	5.28	5.28	7.10	Burton Flat Deep Unit 95H (p)	38.87	50.00	4.49	
2500.00	2500.00	0.34	5.51	5.51	7.26	Burton Flat Deep Unit 95H (p)	38.42	50.00	4.32	
2600.00	2600.00	0.34	5.73	5.73	7.43	Burton Flat Deep Unit 95H (p)	37.97	50.00	4.16	
2700.00	2700.00	0.34	5.96	5.96	7.61	Burton Flat Deep Unit 95H (p)	37.52	50.00	4.01	
2800.00	2800.00	0.34	6.18	6.18	7.78	Burton Flat Deep Unit 95H (p)	37.08	50.00	3.87	
2900.00	2900.00	0.34	6.41	6.41	7.96	Burton Flat Deep Unit 95H (p)	36.63	50.00	3.74	
3000.00	3000.00	0.34	6.63	6.63	8.14	Burton Flat Deep Unit 95H (p)	36.18	50.00	3.62	
3100.00	3100.00	0.34	6.86	6.86	8.33	Burton Flat Deep Unit 95H (p)	35.73	50.00	3.50	
3200.00	3200.00	0.34	7.08	7.08	8.51	Burton Flat Deep Unit 95H (p)	35.28	50.00	3.40	
3300.00	3300.00	0.34	7.31	7.31	8.70	Burton Flat Deep Unit 95H (p)	34.83	50.00	3.30	
3400.00	3400.00	0.34	7.53	7.53	8.90	Burton Flat Deep Unit 95H (p)	34.38	50.00	3.20	
3500.00	3500.00	0.34	7.76	7.76	9.09	Burton Flat Deep Unit 95H (p)	33.93	50.00	3.11	
3600.00	3600.00	0.34	7.98	7.98	9.29	Burton Flat Deep Unit 95H (p)	33.48	50.00	3.03	
3700.00	3700.00	176.35	8.20	8.20	9.49	Burton Flat Deep Unit 95H (p)	33.10	50.05	2.95	
3800.00	3799.99	176.44	8.36	8.36	9.69	Burton Flat Deep Unit 95H (p)	34.00	51.34	2.96	
3900.00	3899.94	176.64	8.53	8.53	9.90	Burton Flat Deep Unit 95H (p)	36.63	54.37	3.06	
4000.00	3999.83	176.90	8.70	8.70	10.11	Burton Flat Deep Unit 95H (p)	41.00	59.14	3.26	
4100.00	4099.61	177.21	8.88	8.87	10.32	Burton Flat Deep Unit 95H (p)	47.12	65.66	3.54	
4200.00	4199.27	177.52	9.06	9.03	10.53	Burton Flat Deep Unit 95H (p)	54.97	73.91	3.90	

5D Anti-Collision Report

Primary Well: Burton Flat Deep Unit 81H (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
4300.00	4298.77	177.81	9.24	9.20	10.75	Burton Flat Deep Unit 95H (p)	64.55	83.89	4.34	
4400.00	4398.20	178.06	9.43	9.39	10.97	Burton Flat Deep Unit 95H (p)	74.75	94.49	4.79	
4500.00	4497.64	178.25	9.63	9.57	11.20	Burton Flat Deep Unit 95H (p)	84.94	105.09	5.22	
4600.00	4597.08	178.45	9.83	9.76	11.43	Burton Flat Deep Unit 95H (p)	93.59	114.12	5.56	
4700.00	4696.51	178.71	10.04	9.95	11.66	Burton Flat Deep Unit 95H (p)	98.69	119.55	5.73	
4800.00	4795.95	179.03	10.25	10.14	11.90	Burton Flat Deep Unit 95H (p)	100.18	121.35	5.73	
4900.00	4895.38	179.38	10.46	10.33	12.14	Burton Flat Deep Unit 95H (p)	99.95	121.47	5.64	
5000.00	4994.82	179.72	10.68	10.53	12.39	Burton Flat Deep Unit 95H (p)	99.71	121.60	5.55	
5100.00	5094.25	180.07	10.91	10.72	12.64	Burton Flat Deep Unit 95H (p)	99.45	121.73	5.46	
5200.00	5193.69	180.41	11.13	10.92	12.89	Burton Flat Deep Unit 95H (p)	99.20	121.86	5.38	
5300.00	5293.13	180.76	11.36	11.12	13.15	Burton Flat Deep Unit 95H (p)	98.96	122.00	5.30	
5400.00	5392.56	181.10	11.60	11.32	13.41	Burton Flat Deep Unit 95H (p)	98.72	122.14	5.22	
5500.00	5492.00	181.44	11.83	11.52	13.67	Burton Flat Deep Unit 95H (p)	98.48	122.28	5.14	
5600.00	5591.43	181.78	12.07	11.73	13.94	Burton Flat Deep Unit 95H (p)	98.25	122.44	5.06	
5700.00	5690.87	182.12	12.31	11.93	14.22	Burton Flat Deep Unit 95H (p)	98.01	122.59	4.99	
5800.00	5790.30	182.46	12.56	12.14	14.50	Burton Flat Deep Unit 95H (p)	97.77	122.75	4.91	
5900.00	5889.74	182.80	12.80	12.34	14.78	Burton Flat Deep Unit 95H (p)	97.53	122.91	4.84	
6000.00	5989.18	183.14	13.05	12.55	15.07	Burton Flat Deep Unit 95H (p)	97.30	123.08	4.77	
6100.00	6088.61	183.47	13.30	12.76	15.36	Burton Flat Deep Unit 95H (p)	97.07	123.25	4.71	
6200.00	6188.05	183.81	13.55	12.97	15.65	Burton Flat Deep Unit 95H (p)	96.84	123.43	4.64	
6300.00	6287.48	184.15	13.81	13.18	15.96	Burton Flat Deep Unit 95H (p)	96.62	123.61	4.58	
6400.00	6386.92	184.48	14.06	13.40	16.26	Burton Flat Deep Unit 95H (p)	96.39	123.80	4.52	
6500.00	6486.35	54.93	14.32	13.61	16.57	Burton Flat Deep unit 53H (s)	162.01	227.54	3.47	
6600.00	6585.79	54.93	14.58	13.82	16.89	Burton Flat Deep unit 53H (s)	82.64	156.99	2.11	
6700.00	6685.22	54.93	14.84	14.04	17.21	Burton Flat Deep unit 53H (s)	59.24	132.35	1.81	SF(Lo)
6800.00	6783.79	48.40	15.14	14.08	17.52	Burton Flat Deep unit 53H (s)	117.52	171.36	3.18	

5D Anti-Collision Report

Primary Well: Burton Flat Deep Unit 81H (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
6900.00	6878.13	181.49	15.54	13.86	17.79	Burton Flat Deep Unit 95H (p)	123.61	153.13	5.19	
7000.00	6965.34	181.29	16.07	13.40	18.03	Burton Flat Deep Unit 95H (p)	162.55	192.50	6.43	
7100.00	7042.78	26.03	16.73	12.76	18.25	Burton Flat Deep unit 53H (s)	342.97	400.85	6.93	
7200.00	7108.10	20.70	17.55	11.99	18.48	Burton Flat Deep unit 53H (s)	412.68	481.54	6.99	
7300.00	7159.31	172.58	18.52	11.20	18.75	Burton Flat Deep Unit 62H (s)	543.48	638.89	6.70	
7400.00	7196.14	167.96	19.55	10.84	19.08	Burton Flat Deep Unit 62H (s)	556.25	666.07	6.06	
7500.00	7228.64	157.52	20.35	11.02	19.55	Burton Flat Deep Unit 62H (s)	586.09	706.82	5.85	
7600.00	7258.37	145.97	20.95	11.18	20.09	Burton Flat Deep Unit 62H (s)	625.00	753.31	5.87	
7700.00	7284.43	134.91	21.34	11.32	20.70	Burton Flat Deep Unit 62H (s)	667.71	800.66	6.02	
7800.00	7306.04	125.59	21.55	11.44	21.39	Burton Flat Deep Unit 62H (s)	709.21	844.64	6.24	
7900.00	7322.54	118.48	21.64	11.54	22.14	Burton Flat Deep Unit 62H (s)	745.48	882.03	6.46	
8000.00	7333.42	113.43	21.65	11.65	22.95	Burton Flat Deep Unit 62H (s)	772.59	909.19	6.66	
8100.00	7338.35	110.89	21.62	11.79	23.82	Burton Flat Deep Unit 62H (s)	786.99	923.15	6.78	
8200.00	7337.53	110.49	22.21	12.10	24.74	Burton Flat Deep Unit 62H (s)	789.66	925.12	6.83	
8300.00	7335.35	110.46	24.15	12.60	25.71	Burton Flat Deep Unit 62H (s)	788.27	923.03	6.85	
8400.00	7333.18	110.44	26.23	13.13	26.72	Burton Flat Deep Unit 62H (s)	787.66	921.93	6.87	
8500.00	7331.00	110.44	28.43	13.67	27.78	Burton Flat Deep Unit 62H (s)	787.54	921.25	6.89	
8600.00	7328.83	110.48	30.72	14.24	28.87	Burton Flat Deep Unit 62H (s)	787.04	920.33	6.90	
8700.00	7326.65	110.51	33.07	14.81	29.99	Burton Flat Deep Unit 62H (s)	785.53	918.42	6.91	
8800.00	7324.47	110.48	35.49	15.40	31.14	Burton Flat Deep Unit 62H (s)	784.16	916.81	6.91	
8900.00	7322.30	110.44	37.95	16.00	32.31	Burton Flat Deep Unit 62H (s)	783.72	916.15	6.92	
9000.00	7320.12	110.34	40.45	16.61	33.51	Burton Flat Deep Unit 62H (s)	783.76	916.13	6.92	
9100.00	7317.95	110.29	42.98	17.23	34.73	Burton Flat Deep Unit 62H (s)	783.57	915.85	6.92	
9200.00	7315.77	110.35	45.54	17.86	35.97	Burton Flat Deep Unit 62H (s)	782.85	914.94	6.93	
9300.00	7313.60	110.45	48.12	18.50	37.22	Burton Flat Deep Unit 62H (s)	781.87	913.84	6.92	
9400.00	7311.42	110.55	50.72	19.14	38.49	Burton Flat Deep Unit 62H (s)	781.36	913.21	6.93	

SD Anti-Collision Report

Primary Well: Burton Flat Deep Unit 81H (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
9500.00	7309.25	110.57	53.33	19.79	39.78	Burton Flat Deep Unit 62H (s)	780.69	912.41	6.93	
9600.00	7307.07	110.55	55.96	20.44	41.07	Burton Flat Deep Unit 62H (s)	780.58	912.25	6.93	
9700.00	7304.89	110.50	58.60	21.10	42.38	Burton Flat Deep Unit 62H (s)	781.76	913.41	6.94	
9800.00	7302.72	89.84	61.25	21.76	43.69	Burton Flat Deep Unit 82H (p)	729.89	854.11	6.88	
9900.00	7300.54	89.83	63.91	22.43	45.02	Burton Flat Deep Unit 82H (p)	724.51	854.09	6.59	
10000.00	7298.37	89.81	66.57	23.10	46.35	Burton Flat Deep Unit 82H (p)	719.13	854.06	6.33	
10100.00	7296.19	89.80	69.24	23.78	47.69	Burton Flat Deep Unit 82H (p)	713.74	854.04	6.09	
10200.00	7294.02	89.78	71.92	24.46	49.04	Burton Flat Deep Unit 82H (p)	708.34	854.02	5.86	
10300.00	7291.84	89.77	74.61	25.14	50.40	Burton Flat Deep Unit 82H (p)	702.93	854.00	5.65	
10400.00	7289.67	89.75	77.30	25.82	51.76	Burton Flat Deep Unit 82H (p)	697.51	853.97	5.46	
10500.00	7287.49	89.74	79.99	26.51	53.13	Burton Flat Deep Unit 82H (p)	692.09	853.95	5.28	
10600.00	7285.31	89.72	82.69	27.20	54.50	Burton Flat Deep Unit 82H (p)	686.66	853.93	5.11	
10700.00	7283.14	89.71	85.39	27.89	55.88	Burton Flat Deep Unit 82H (p)	681.23	853.90	4.95	
10800.00	7280.96	89.69	88.10	28.58	57.26	Burton Flat Deep Unit 82H (p)	675.79	853.88	4.79	
10900.00	7278.79	89.68	90.80	29.28	58.64	Burton Flat Deep Unit 82H (p)	670.34	853.86	4.65	
11000.00	7276.61	89.66	93.51	29.97	60.03	Burton Flat Deep Unit 82H (p)	664.89	853.84	4.52	
11100.00	7274.44	89.65	96.23	30.67	61.43	Burton Flat Deep Unit 82H (p)	659.44	853.81	4.39	
11200.00	7272.26	89.63	98.94	31.37	62.82	Burton Flat Deep Unit 82H (p)	653.98	853.79	4.27	
11300.00	7270.09	89.62	101.66	32.07	64.22	Burton Flat Deep Unit 82H (p)	648.52	853.77	4.16	
11400.00	7267.91	89.60	104.38	32.78	65.63	Burton Flat Deep Unit 82H (p)	643.05	853.75	4.05	
11500.00	7265.73	89.59	107.10	33.48	67.03	Burton Flat Deep Unit 82H (p)	637.59	853.73	3.95	
11600.00	7263.56	89.57	109.82	34.19	68.44	Burton Flat Deep Unit 82H (p)	632.12	853.70	3.85	
11700.00	7261.38	89.56	112.55	34.89	69.85	Burton Flat Deep Unit 82H (p)	626.65	853.68	3.76	
11800.00	7259.21	89.54	115.27	35.60	71.26	Burton Flat Deep Unit 82H (p)	621.17	853.66	3.67	
11900.00	7257.03	89.53	118.00	36.31	72.67	Burton Flat Deep Unit 82H (p)	615.69	853.64	3.59	
12000.00	7254.86	89.51	120.73	37.02	74.09	Burton Flat Deep Unit 82H (p)	610.21	853.62	3.51	

5D Anti-Collision Report

Primary Well: Burton Flat Deep Unit 81H (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
12100.00	7252.68	89.50	123.46	37.73	75.51	Burton Flat Deep Unit 82H (p)	604.73	853.59	3.43	
12200.00	7250.51	89.48	126.19	38.44	76.93	Burton Flat Deep Unit 82H (p)	599.25	853.57	3.36	
12300.00	7248.33	89.47	128.92	39.15	78.35	Burton Flat Deep Unit 82H (p)	593.76	853.55	3.29	
12400.00	7246.15	89.46	131.65	39.87	79.78	Burton Flat Deep Unit 82H (p)	588.28	853.53	3.22	
12500.00	7243.98	89.44	134.38	40.58	81.20	Burton Flat Deep Unit 82H (p)	583.76	853.64	3.16	
12600.00	7241.80	89.44	137.12	41.29	82.63	Burton Flat Deep Unit 82H (p)	593.51	861.21	3.22	
12700.00	7239.63	89.44	139.85	42.01	84.05	Burton Flat Deep Unit 82H (p)	618.01	880.14	3.36	
12800.00	7237.45	89.44	142.59	42.72	85.48	Burton Flat Deep Unit 82H (p)	655.93	909.74	3.58	
12900.00	7235.28	89.44	145.33	43.44	86.91	Burton Flat Deep Unit 82H (p)	705.45	949.00	3.90	
12912.74	7235.00	89.44	145.67	43.53	87.10	Burton Flat Deep Unit 82H (p)	712.45	954.64	3.94	

Secondary Well: Burton Flat Deep Unit 95H (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	0.34	0.00	0.00	0.00	49.43	50.00	88.24	
100.00	100.00	100.00	0.34	0.11	0.11	4.60	49.21	50.00	63.51	
200.00	200.00	200.00	0.34	0.34	0.34	4.62	48.76	50.00	40.43	
300.00	300.00	300.00	0.34	0.56	0.56	4.65	48.31	50.00	29.65	
400.00	400.00	400.00	0.34	0.79	0.79	4.69	47.86	50.00	23.41	
500.00	500.00	500.00	0.34	1.01	1.01	4.75	47.42	50.00	19.34	
600.00	600.00	600.00	0.34	1.24	1.24	4.81	46.97	50.00	16.47	
700.00	700.00	700.00	0.34	1.46	1.46	4.88	46.52	50.00	14.35	
800.00	800.00	800.00	0.34	1.69	1.69	4.97	46.07	50.00	12.71	
900.00	900.00	900.00	0.34	1.91	1.91	5.06	45.62	50.00	11.41	
1000.00	1000.00	1000.00	0.34	2.14	2.14	5.16	45.17	50.00	10.34	
1100.00	1100.00	1100.00	0.34	2.36	2.36	5.26	44.72	50.00	9.46	
1200.00	1200.00	1200.00	0.34	2.59	2.59	5.37	44.27	50.00	8.72	
1300.00	1300.00	1300.00	0.34	2.81	2.81	5.49	43.82	50.00	8.09	
1400.00	1400.00	1400.00	0.34	3.03	3.03	5.62	43.37	50.00	7.54	
1500.00	1500.00	1500.00	0.34	3.26	3.26	5.75	42.92	50.00	7.06	
1600.00	1600.00	1600.00	0.34	3.48	3.48	5.88	42.47	50.00	6.64	
1700.00	1700.00	1700.00	0.34	3.71	3.71	6.02	42.02	50.00	6.27	
1800.00	1800.00	1800.00	0.34	3.93	3.93	6.16	41.57	50.00	5.93	
1900.00	1900.00	1900.00	0.34	4.16	4.16	6.31	41.12	50.00	5.63	
2000.00	2000.00	2000.00	0.34	4.38	4.38	6.46	40.67	50.00	5.36	
2100.00	2100.00	2100.00	0.34	4.61	4.61	6.61	40.22	50.00	5.11	
2200.00	2200.00	2200.00	0.34	4.83	4.83	6.77	39.77	50.00	4.89	
2300.00	2300.00	2300.00	0.34	5.06	5.06	6.93	39.32	50.00	4.68	
2400.00	2400.00	2400.00	0.34	5.28	5.28	7.10	38.87	50.00	4.49	
2500.00	2500.00	2500.00	0.34	5.51	5.51	7.26	38.42	50.00	4.32	
2600.00	2600.00	2600.00	0.34	5.73	5.73	7.43	37.97	50.00	4.16	
2700.00	2700.00	2700.00	0.34	5.96	5.96	7.61	37.52	50.00	4.01	
2800.00	2800.00	2800.00	0.34	6.18	6.18	7.78	37.08	50.00	3.87	
2900.00	2900.00	2900.00	0.34	6.41	6.41	7.96	36.63	50.00	3.74	
3000.00	3000.00	3000.00	0.34	6.63	6.63	8.14	36.18	50.00	3.62	
3100.00	3100.00	3100.00	0.34	6.86	6.86	8.33	35.73	50.00	3.50	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 95H (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
3200.00	3200.00	3200.00	0.34	7.08	7.08	8.51	35.28	50.00	3.40	
3300.00	3300.00	3300.00	0.34	7.31	7.31	8.70	34.83	50.00	3.30	
3400.00	3400.00	3400.00	0.34	7.53	7.53	8.90	34.38	50.00	3.20	
3500.00	3500.00	3500.00	0.34	7.76	7.76	9.09	33.93	50.00	3.11	
3600.00	3600.00	3600.00	0.34	7.98	7.98	9.29	33.48	50.00	3.03	
3700.00	3700.00	3700.00	176.35	8.20	8.20	9.49	33.10	50.05	2.95	
3800.00	3799.99	3799.99	176.44	8.43	8.43	9.69	34.00	51.34	2.96	
3900.00	3899.94	3899.94	176.64	8.65	8.65	9.90	36.63	54.37	3.06	
4000.00	3999.83	3999.83	176.90	8.88	8.88	10.11	41.00	59.14	3.26	
4100.00	4099.61	4099.61	177.21	9.10	9.10	10.32	47.12	65.66	3.54	
4200.00	4199.27	4199.27	177.52	9.33	9.33	10.54	54.97	73.91	3.90	
4300.00	4298.77	4298.77	177.81	9.55	9.55	10.76	64.55	83.89	4.34	
4400.00	4398.20	4398.20	178.06	9.77	9.77	10.98	74.75	94.49	4.79	
4500.00	4497.64	4497.64	178.25	10.00	10.00	11.21	84.94	105.09	5.22	
4600.00	4600.93	4600.95	178.45	10.20	10.20	11.44	93.59	114.12	5.56	
4700.00	4704.89	4705.05	178.71	10.37	10.36	11.68	98.69	119.55	5.73	
4800.00	4808.68	4809.25	179.03	10.55	10.51	11.93	100.18	121.35	5.73	
4900.00	4908.12	4909.25	179.38	10.72	10.68	12.17	99.95	121.47	5.64	
5000.00	5007.57	5009.25	179.72	10.90	10.86	12.41	99.71	121.60	5.55	
5100.00	5107.01	5109.25	180.07	11.08	11.03	12.66	99.45	121.73	5.46	
5200.00	5206.45	5209.24	180.41	11.27	11.21	12.91	99.20	121.86	5.38	
5300.00	5305.90	5309.24	180.76	11.47	11.39	13.17	98.96	122.00	5.30	
5400.00	5405.34	5409.24	181.10	11.66	11.58	13.43	98.72	122.14	5.22	
5500.00	5504.79	5509.24	181.44	11.87	11.76	13.69	98.48	122.28	5.14	
5600.00	5604.23	5609.23	181.78	12.07	11.95	13.96	98.25	122.44	5.06	
5700.00	5703.67	5709.23	182.12	12.28	12.14	14.24	98.01	122.59	4.99	
5800.00	5803.12	5809.23	182.46	12.50	12.33	14.52	97.77	122.75	4.91	
5900.00	5902.56	5909.22	182.80	12.71	12.52	14.80	97.53	122.91	4.84	
6000.00	6002.01	6009.22	183.14	12.93	12.71	15.09	97.30	123.08	4.77	
6100.00	6101.45	6109.22	183.47	13.16	12.91	15.38	97.07	123.25	4.71	
6200.00	6200.89	6209.22	183.81	13.38	13.11	15.67	96.84	123.43	4.64	
6300.00	6300.34	6309.21	184.15	13.61	13.30	15.97	96.62	123.61	4.58	
6400.00	6399.78	6409.21	184.48	13.84	13.50	16.28	96.39	123.80	4.52	
6500.00	6499.23	6509.21	184.81	14.07	13.70	16.59	96.17	123.98	4.46	
6600.00	6598.67	6609.21	185.14	14.31	13.90	16.91	95.95	124.18	4.40	
6700.00	6698.11	6709.20	185.48	14.55	14.10	17.23	95.72	124.38	4.34	
6800.00	6797.28	6808.92	182.26	14.79	14.31	17.55	101.21	130.29	4.48	
6900.00	6893.96	6906.14	181.49	15.03	14.51	17.87	123.61	153.13	5.19	
7000.00	6985.24	6997.92	181.29	15.25	14.69	18.18	162.55	192.50	6.43	
7100.00	7118.84	7134.88	181.98	15.67	14.59	18.60	209.04	238.85	8.01	
7200.00	7265.58	7300.43	184.23	16.41	13.84	19.04	249.04	277.41	9.78	
7300.00	7399.76	7491.09	188.03	17.72	12.39	19.47	278.17	303.93	11.80	
7400.00	7481.39	7674.70	191.33	19.46	11.24	20.00	290.59	314.74	13.03	
7500.00	7521.61	7794.66	190.96	20.44	11.50	20.53	294.78	319.62	12.87	
7600.00	7560.70	7919.28	190.21	21.14	11.76	21.20	298.73	323.97	12.84	
7700.00	7596.15	8047.53	189.06	21.51	11.99	22.00	301.84	327.08	12.96	
7800.00	7625.42	8177.86	187.48	21.59	12.18	22.91	303.54	328.42	13.20	
7900.00	7646.39	8308.39	185.49	21.51	12.34	23.93	303.29	327.77	13.39	
8000.00	7657.85	8437.22	183.13	21.47	12.52	25.04	300.68	325.28	13.22	
8100.00	7659.76	8559.40	180.59	21.68	12.83	26.15	296.01	321.46	12.63	
8200.00	7658.44	8659.26	180.03	23.51	13.33	27.12	294.46	320.94	12.12	
8300.00	7657.11	8759.25	180.03	25.49	13.85	28.12	294.33	321.79	11.72	
8400.00	7655.79	8859.25	180.03	27.60	14.40	29.17	294.15	322.64	11.33	
8500.00	7654.46	8959.24	180.03	29.81	14.95	30.25	293.94	323.49	10.95	
8600.00	7653.13	9059.24	180.03	32.12	15.53	31.36	293.70	324.34	10.59	
8700.00	7651.81	9159.24	180.03	34.48	16.11	32.51	293.42	325.19	10.24	
8800.00	7650.48	9259.23	180.03	36.91	16.71	33.67	293.11	326.03	9.90	
8900.00	7649.15	9359.23	180.03	39.37	17.31	34.86	292.78	326.88	9.59	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 95H (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
9000.00	7647.83	9459.23	180.03	41.88	17.92	36.07	292.45	327.73	9.29	
9100.00	7646.50	9559.22	180.02	44.41	18.55	37.30	292.03	328.58	8.99	
9200.00	7645.18	9659.22	180.02	46.97	19.18	38.54	291.66	329.43	8.72	
9300.00	7643.85	9759.22	180.02	49.55	19.81	39.80	291.21	330.28	8.45	
9400.00	7642.52	9859.21	180.02	52.15	20.46	41.07	290.85	331.13	8.22	
9500.00	7641.20	9959.21	180.02	54.76	21.10	42.36	290.50	331.98	8.00	
9600.00	7639.87	10059.21	180.02	57.38	21.76	43.66	290.10	332.83	7.79	
9700.00	7638.54	10159.20	180.02	60.02	22.42	44.97	289.66	333.68	7.58	
9800.00	7637.22	10259.20	180.02	62.67	23.08	46.28	289.18	334.53	7.38	
9900.00	7635.89	10359.19	180.02	65.33	23.75	47.61	288.71	335.38	7.19	
10000.00	7634.57	10459.19	180.02	67.99	24.42	48.94	288.23	336.23	7.00	
10100.00	7633.24	10559.19	180.02	70.66	25.09	50.28	287.75	337.08	6.83	
10200.00	7631.91	10659.18	180.02	73.34	25.77	51.63	287.22	337.93	6.66	
10300.00	7630.59	10759.18	180.02	76.02	26.45	52.99	286.68	338.78	6.50	
10400.00	7629.26	10859.18	180.02	78.71	27.13	54.35	286.15	339.63	6.35	
10500.00	7627.93	10959.17	180.02	81.41	27.82	55.71	285.62	340.47	6.21	
10600.00	7626.61	11059.17	180.01	84.10	28.50	57.08	285.08	341.32	6.07	
10700.00	7625.28	11159.17	180.01	86.80	29.19	58.46	284.55	342.17	5.94	
10800.00	7623.96	11259.16	180.01	89.51	29.88	59.84	284.01	343.02	5.81	
10900.00	7622.63	11359.16	180.01	92.21	30.58	61.22	283.46	343.87	5.69	
11000.00	7621.30	11459.15	180.01	94.92	31.27	62.61	282.92	344.72	5.58	
11100.00	7619.98	11559.15	180.01	97.63	31.97	64.00	282.37	345.57	5.47	
11200.00	7618.65	11659.15	180.01	100.35	32.67	65.39	281.82	346.42	5.36	
11300.00	7617.32	11759.14	180.01	103.07	33.37	66.79	281.27	347.27	5.26	
11400.00	7616.00	11859.14	180.01	105.78	34.07	68.19	280.71	348.12	5.16	
11500.00	7614.67	11959.14	180.01	108.50	34.77	69.60	280.16	348.97	5.07	
11600.00	7613.35	12059.13	180.01	111.23	35.48	71.00	279.60	349.82	4.98	
11700.00	7612.02	12159.13	180.01	113.95	36.18	72.41	279.03	350.67	4.90	
11800.00	7610.69	12259.13	180.01	116.68	36.89	73.82	278.47	351.52	4.81	
11900.00	7609.37	12359.12	180.01	119.40	37.60	75.23	277.90	352.37	4.73	
12000.00	7608.04	12459.12	180.01	122.13	38.31	76.65	277.33	353.22	4.65	
12100.00	7606.72	12559.11	180.00	124.86	39.01	78.06	276.76	354.06	4.58	
12200.00	7605.39	12659.11	180.00	127.59	39.72	79.48	276.19	354.91	4.51	
12300.00	7604.06	12759.11	180.00	130.32	40.44	80.90	275.62	355.76	4.44	
12400.00	7602.74	12859.10	180.00	133.05	41.15	82.32	275.04	356.61	4.37	
12500.00	7601.41	12959.10	180.00	135.78	41.86	83.75	274.46	357.46	4.31	
12600.00	7600.08	13059.10	180.00	138.52	42.57	85.17	273.89	358.31	4.24	
12700.00	7598.76	13159.09	180.00	141.25	43.29	86.60	273.31	359.16	4.18	
12800.00	7597.43	13259.09	180.00	143.99	44.00	88.02	272.73	360.01	4.12	
12900.00	7596.11	13359.09	180.00	146.72	44.72	89.45	272.14	360.86	4.07	
12912.74	7596.00	13367.04	180.00	146.94	44.77	89.57	272.15	361.00	4.06	

Secondary Well: Burton Flat Deep Unit 62H (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	7679.07	12189.29	232.18	130.86	36.10	72.21	7652.74	7689.60	208.60	
100.00	7679.22	12193.12	231.84	130.97	36.13	72.26	7550.55	7589.74	193.64	
200.00	7679.38	12196.95	231.49	131.07	36.16	72.32	7450.64	7489.88	190.87	
300.00	7679.54	12200.80	231.14	131.18	36.18	72.37	7350.73	7390.02	188.07	
400.00	7679.70	12204.65	230.78	131.29	36.21	72.42	7250.81	7290.16	185.26	
500.00	7679.86	12208.52	230.42	131.40	36.24	72.48	7150.89	7190.31	182.42	
600.00	7680.02	12212.39	230.05	131.50	36.26	72.53	7050.97	7090.45	179.57	
700.00	7680.18	12216.27	229.67	131.61	36.29	72.59	6951.04	6990.60	176.70	
800.00	7680.34	12220.16	229.29	131.72	36.32	72.64	6851.11	6890.75	173.83	
900.00	7680.50	12224.10	228.89	131.83	36.35	72.70	6751.18	6790.90	170.94	
1000.00	7680.76	12230.17	228.27	132.00	36.39	72.79	6651.23	6691.06	167.99	
1100.00	7681.00	12236.16	227.65	132.16	36.43	72.87	6551.27	6591.21	165.03	
1200.00	7681.24	12242.08	227.01	132.32	36.47	72.95	6451.32	6491.37	162.08	
1300.00	7681.48	12247.91	226.38	132.49	36.52	73.04	6351.36	6391.52	159.14	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 62H (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
1400.00	7681.71	12253.68	225.73	132.64	36.56	73.12	6251.40	6291.68	156.19	
1500.00	7681.94	12259.37	225.08	132.80	36.60	73.20	6151.44	6191.84	153.26	
1600.00	7682.16	12264.98	224.42	132.96	36.64	73.28	6051.48	6092.00	150.34	
1700.00	7682.38	12270.53	223.76	133.11	36.68	73.36	5951.52	5992.16	147.42	
1800.00	7682.60	12276.00	223.09	133.26	36.71	73.43	5851.56	5892.33	144.52	
1900.00	7682.81	12281.41	222.41	133.41	36.75	73.51	5751.59	5792.50	141.62	
2000.00	7683.02	12286.75	221.73	133.56	36.79	73.58	5651.63	5692.66	138.74	
2100.00	7683.22	12292.02	221.04	133.70	36.83	73.66	5551.67	5592.83	135.87	
2200.00	7683.42	12297.23	220.34	133.84	36.87	73.73	5451.71	5493.01	133.02	
2300.00	7683.62	12302.38	219.64	133.99	36.90	73.81	5351.75	5393.18	130.17	
2400.00	7683.81	12307.46	218.94	134.13	36.94	73.88	5251.79	5293.36	127.34	
2500.00	7684.00	12312.49	218.23	134.26	36.97	73.95	5151.83	5193.54	124.51	
2600.00	7684.18	12317.45	217.51	134.40	37.01	74.02	5051.88	5093.73	121.71	
2700.00	7684.37	12322.35	216.79	134.54	37.04	74.09	4951.92	4993.92	118.91	
2800.00	7684.54	12327.20	216.06	134.67	37.08	74.16	4851.97	4894.11	116.13	
2900.00	7684.72	12331.99	215.33	134.80	37.11	74.22	4752.02	4794.31	113.36	
3000.00	7684.85	12335.65	214.76	134.90	37.14	74.28	4652.08	4694.51	110.63	
3100.00	7684.99	12339.32	214.19	135.00	37.16	74.33	4552.14	4594.72	107.91	
3200.00	7685.12	12342.98	213.60	135.10	37.19	74.38	4452.21	4494.94	105.20	
3300.00	7685.26	12346.65	213.01	135.20	37.22	74.43	4352.28	4395.16	102.51	
3400.00	7685.39	12350.31	212.41	135.30	37.24	74.48	4252.36	4295.39	99.83	
3500.00	7685.53	12353.98	211.80	135.40	37.27	74.54	4152.44	4195.62	97.16	
3600.00	7685.66	12357.64	211.18	135.50	37.29	74.59	4052.53	4095.87	94.50	
3700.00	7685.79	12361.30	28.14	135.60	37.32	74.64	3952.62	3996.12	91.86	
3800.00	7685.93	12364.87	36.11	135.70	37.35	74.69	3852.65	3896.31	89.24	
3900.00	7686.05	12368.32	49.47	135.79	37.37	74.74	3752.61	3796.42	86.66	
4000.00	7686.17	12371.65	72.07	135.88	37.39	74.79	3652.55	3696.49	84.11	
4100.00	7686.29	12374.84	102.59	135.97	37.42	74.83	3552.47	3596.55	81.60	
4200.00	7686.40	12377.91	128.12	136.05	37.44	74.87	3452.42	3496.61	79.12	
4300.00	7686.51	12380.86	141.95	136.14	37.46	74.92	3352.42	3396.72	76.67	
4400.00	7686.62	12383.75	142.74	136.21	37.48	74.96	3252.46	3296.86	74.25	
4500.00	7686.72	12386.65	143.54	136.29	37.50	75.00	3152.50	3197.00	71.84	
4600.00	7686.83	12389.55	144.36	136.37	37.52	75.04	3052.55	3097.16	69.44	
4700.00	7686.94	12392.44	145.19	136.45	37.54	75.08	2952.61	2997.31	67.05	
4800.00	7687.04	12395.34	146.03	136.53	37.56	75.12	2852.68	2897.48	64.67	
4900.00	7687.15	12398.24	146.89	136.61	37.58	75.16	2752.75	2797.65	62.31	
5000.00	7687.25	12401.13	147.77	136.69	37.60	75.20	2652.84	2697.84	59.96	
5100.00	7687.36	12404.03	148.66	136.77	37.62	75.24	2552.94	2598.04	57.61	
5200.00	7687.47	12406.93	149.56	136.85	37.64	75.28	2453.05	2498.24	55.28	
5300.00	7687.57	12409.82	150.48	136.93	37.66	75.33	2353.18	2398.47	52.96	
5400.00	7687.68	12412.72	151.41	137.01	37.68	75.37	2253.32	2298.70	50.65	
5500.00	7687.76	12415.00	152.15	137.07	37.70	75.40	2153.49	2198.96	48.37	
5600.00	7687.76	12415.00	152.15	137.07	37.70	75.40	2053.71	2099.24	46.11	
5700.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1953.96	1999.54	43.87	
5800.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1854.25	1899.88	41.63	
5900.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1754.58	1800.26	39.42	
6000.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1654.91	1700.68	37.16	
6100.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1555.24	1601.15	34.87	
6200.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1455.62	1501.69	32.60	
6300.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1356.07	1402.30	30.34	
6400.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1256.62	1303.00	28.09	
6500.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1157.28	1203.82	25.86	
6600.00	7687.76	12415.00	152.15	137.07	37.70	75.40	1058.03	1104.79	23.63	
6700.00	7687.76	12415.00	152.15	137.07	37.70	75.40	958.72	1005.95	21.30	
6800.00	7687.76	12415.00	163.84	137.07	37.70	75.40	860.59	908.49	18.97	
6900.00	7687.76	12415.00	168.97	137.07	37.70	75.40	767.30	817.18	16.38	
7000.00	7687.76	12415.00	171.15	137.07	37.70	75.40	682.89	737.63	13.47	
7100.00	7687.76	12415.00	172.19	137.07	37.70	75.40	612.22	676.81	10.48	

SD Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 62H (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
7200.00	7687.76	12415.00	172.61	137.07	37.70	75.40	563.05	642.11	8.12	
7300.00	7687.76	12415.00	172.58	137.07	37.70	75.40	543.48	638.89	6.70	
7400.00	7687.19	12399.46	167.96	136.64	37.59	75.18	556.25	666.07	6.06	
7500.00	7686.07	12368.84	157.52	135.81	37.37	74.75	586.09	706.82	5.85	
7600.00	7684.36	12322.33	145.97	134.53	37.04	74.09	625.00	753.31	5.87	
7700.00	7682.06	12262.31	134.91	132.88	36.62	73.24	667.71	800.66	6.02	
7800.00	7679.18	12192.11	125.59	130.94	36.12	72.25	709.21	844.64	6.24	
7900.00	7675.90	12111.79	118.48	128.72	35.55	71.11	745.48	882.03	6.46	
8000.00	7670.83	12008.54	113.43	125.95	34.82	69.66	772.59	909.19	6.66	
8100.00	7665.16	11903.45	110.89	123.13	34.08	68.18	786.99	923.15	6.78	
8200.00	7660.95	11799.22	110.49	120.32	33.36	66.72	789.66	925.12	6.83	
8300.00	7657.48	11698.71	110.46	117.59	32.65	65.31	788.27	923.03	6.85	
8400.00	7654.88	11606.52	110.44	115.06	32.01	64.02	787.66	921.93	6.87	
8500.00	7652.51	11508.23	110.44	112.38	31.33	62.65	787.54	921.25	6.89	
8600.00	7650.32	11399.19	110.48	109.44	30.57	61.14	787.04	920.33	6.90	
8700.00	7647.90	11295.94	110.51	106.64	29.85	59.70	785.53	918.42	6.91	
8800.00	7644.88	11203.23	110.48	104.11	29.21	58.42	784.16	916.81	6.91	
8900.00	7642.07	11112.88	110.44	101.61	28.58	57.17	783.72	916.15	6.92	
9000.00	7638.49	11012.40	110.34	98.89	27.89	55.79	783.76	916.13	6.92	
9100.00	7635.42	10910.43	110.29	96.14	27.19	54.39	783.57	915.85	6.92	
9200.00	7633.53	10801.89	110.35	93.24	26.45	52.91	782.85	914.94	6.93	
9300.00	7632.55	10705.87	110.45	90.64	25.80	51.61	781.87	913.84	6.92	
9400.00	7631.73	10608.99	110.55	88.01	25.15	50.29	781.36	913.21	6.93	
9500.00	7629.57	10507.25	110.57	85.25	24.46	48.92	780.69	912.41	6.93	
9600.00	7627.29	10418.03	110.55	82.81	23.86	47.73	780.58	912.25	6.93	
9700.00	7625.08	10330.18	110.50	80.38	23.27	46.55	781.76	913.41	6.94	
9800.00	7623.18	10237.40	110.47	77.85	22.66	45.32	783.97	915.58	6.96	
9900.00	7621.29	10146.11	110.41	75.32	22.05	44.12	787.06	918.67	6.98	
10000.00	7619.40	10045.37	110.35	72.63	21.40	42.80	790.50	922.12	7.01	
10100.00	7618.15	9946.24	110.33	69.98	20.75	41.51	794.01	925.64	7.03	
10200.00	7617.22	9844.58	110.33	67.27	20.10	40.20	797.39	929.02	7.06	
10300.00	7616.62	9740.90	110.36	64.52	19.44	38.88	800.72	932.35	7.08	
10400.00	7615.05	9636.20	110.35	61.75	18.78	37.57	803.06	934.74	7.10	
10500.00	7613.88	9538.82	110.35	59.16	18.17	36.36	805.68	937.40	7.12	
10600.00	7612.71	9437.34	110.36	56.49	17.55	35.11	808.25	940.04	7.13	
10700.00	7612.25	9341.42	110.41	53.97	16.98	33.96	810.85	942.68	7.15	
10800.00	7613.16	9237.33	110.54	51.27	16.36	32.72	814.08	945.67	7.19	
10900.00	7613.49	9134.86	110.66	48.61	15.77	31.54	816.22	947.97	7.20	
11000.00	7612.96	9024.58	110.73	45.79	15.14	30.29	817.96	949.80	7.20	
11100.00	7611.87	8923.88	110.77	43.22	14.58	29.18	818.98	950.95	7.21	
11200.00	7611.00	8823.10	110.83	40.67	14.05	28.10	819.95	952.06	7.21	
11300.00	7609.57	8720.28	110.87	38.11	13.51	27.04	820.54	952.83	7.20	
11400.00	7608.52	8626.55	110.91	35.78	13.05	26.12	821.43	953.93	7.20	
11500.00	7607.58	8525.94	110.95	33.34	12.58	25.17	822.67	955.44	7.20	
11600.00	7604.84	8414.62	110.92	30.73	12.07	24.18	822.99	956.17	7.18	
11700.00	7601.40	8313.79	110.84	28.43	11.65	23.34	822.34	956.04	7.15	
11800.00	7598.59	8224.51	110.77	26.44	11.31	22.65	822.29	956.58	7.12	
11900.00	7594.46	8097.90	110.66	23.86	10.85	21.77	822.69	957.69	7.09	
12000.00	7329.92	7353.05	96.80	16.13	13.75	19.10	802.39	924.53	7.57	
12100.00	7283.07	7297.75	93.27	16.07	14.47	19.00	738.29	866.06	6.78	
12200.00	7246.45	7257.03	90.38	16.05	14.90	18.90	679.03	813.30	6.06	
12300.00	7214.89	7223.15	87.82	16.04	15.22	18.82	627.49	768.16	5.46	
12400.00	7186.74	7193.64	85.52	16.03	15.43	18.74	586.38	732.69	5.01	
12500.00	7165.89	7172.05	83.80	16.02	15.55	18.67	558.17	708.67	4.71	
12600.00	7151.26	7157.02	82.59	16.02	15.62	18.63	545.10	697.74	4.57	
12700.00	7139.58	7145.08	81.62	16.02	15.67	18.59	548.47	700.68	4.60	
12800.00	7129.77	7135.08	80.81	16.02	15.71	18.56	568.18	717.40	4.81	
12900.00	7120.91	7126.06	80.08	16.02	15.74	18.53	602.87	747.04	5.18	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 62H (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
12912.74	7119.84	7124.97	80.00	16.02	15.74	18.53	608.27	751.67	5.24	

Secondary Well: Burton Flat Deep Unit 82H (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	1.00	0.00	0.29	0.00	0.00	0.00	99.44	100.01	176.49	
100.00	100.00	99.00	0.29	0.11	0.11	4.55	99.22	100.00	127.20	
200.00	200.00	199.00	0.29	0.33	0.33	4.62	98.77	100.00	81.00	
300.00	300.00	299.00	0.29	0.56	0.56	4.65	98.32	100.00	59.38	
400.00	400.00	399.00	0.29	0.78	0.78	4.69	97.87	100.00	46.87	
500.00	500.00	499.00	0.29	1.01	1.01	4.75	97.42	100.00	38.71	
600.00	600.00	599.00	0.29	1.23	1.23	4.81	96.97	100.00	32.97	
700.00	700.00	699.00	0.29	1.46	1.46	4.88	96.52	100.00	28.72	
800.00	800.00	799.00	0.29	1.68	1.68	4.97	96.07	100.00	25.43	
900.00	900.00	899.00	0.29	1.91	1.91	5.06	95.62	100.00	22.82	
1000.00	1000.00	999.00	0.29	2.13	2.13	5.15	95.17	100.00	20.70	
1100.00	1100.00	1099.00	0.29	2.36	2.36	5.26	94.72	100.00	18.94	
1200.00	1200.00	1199.00	0.29	2.58	2.58	5.37	94.27	100.00	17.45	
1300.00	1300.00	1299.00	0.29	2.81	2.81	5.49	93.82	100.00	16.18	
1400.00	1400.00	1399.00	0.29	3.03	3.03	5.62	93.37	100.00	15.08	
1500.00	1500.00	1499.00	0.29	3.26	3.26	5.74	92.92	100.00	14.13	
1600.00	1600.00	1599.00	0.29	3.48	3.48	5.88	92.47	100.00	13.28	
1700.00	1700.00	1699.00	0.29	3.71	3.71	6.02	92.02	100.00	12.53	
1800.00	1800.00	1799.00	0.29	3.93	3.93	6.16	91.57	100.00	11.87	
1900.00	1900.00	1899.00	0.29	4.16	4.16	6.31	91.12	100.00	11.26	
2000.00	2000.00	1999.00	0.29	4.38	4.38	6.46	90.67	100.00	10.72	
2100.00	2100.00	2099.00	0.29	4.61	4.61	6.61	90.22	100.00	10.23	
2200.00	2200.00	2199.00	0.29	4.83	4.83	6.77	89.78	100.00	9.78	
2300.00	2300.00	2299.00	0.29	5.06	5.06	6.93	89.33	100.00	9.37	
2400.00	2400.00	2399.00	0.29	5.28	5.28	7.10	88.88	100.00	8.99	
2500.00	2500.00	2499.00	0.29	5.51	5.51	7.26	88.43	100.00	8.64	
2600.00	2600.00	2599.00	0.29	5.73	5.73	7.43	87.98	100.00	8.32	
2700.00	2700.00	2699.00	0.29	5.95	5.95	7.61	87.53	100.00	8.02	
2800.00	2800.00	2799.00	0.29	6.18	6.18	7.78	87.08	100.00	7.74	
2900.00	2900.00	2899.00	0.29	6.40	6.40	7.96	86.63	100.00	7.48	
3000.00	3000.00	2999.00	0.29	6.63	6.63	8.14	86.18	100.00	7.23	
3100.00	3100.00	3099.00	0.29	6.85	6.85	8.32	85.73	100.00	7.01	
3200.00	3200.00	3199.00	0.29	7.08	7.08	8.51	85.28	100.00	6.79	
3300.00	3300.00	3299.00	0.29	7.30	7.30	8.70	84.83	100.00	6.59	
3400.00	3400.00	3399.00	0.29	7.53	7.53	8.89	84.38	100.00	6.40	
3500.00	3500.00	3499.00	0.29	7.75	7.75	9.09	83.93	100.00	6.22	
3600.00	3600.00	3599.00	0.29	7.98	7.98	9.29	83.48	100.00	6.05	
3700.00	3700.00	3699.00	176.29	8.20	8.20	9.49	83.10	100.05	5.90	
3800.00	3799.99	3798.99	176.33	8.43	8.43	9.69	84.00	101.34	5.84	
3900.00	3899.94	3898.94	176.44	8.65	8.65	9.90	86.63	104.37	5.88	
4000.00	3999.83	3998.83	176.59	8.88	8.88	10.11	91.01	109.14	6.02	
4100.00	4099.61	4098.61	176.78	9.10	9.10	10.32	97.12	115.65	6.24	
4200.00	4199.27	4198.27	176.99	9.32	9.32	10.54	104.96	123.91	6.54	
4300.00	4298.77	4297.77	177.21	9.55	9.55	10.76	114.54	133.87	6.92	
4400.00	4398.20	4397.20	177.42	9.77	9.77	10.98	124.74	144.47	7.32	
4500.00	4497.64	4496.64	177.59	10.00	10.00	11.20	134.93	155.07	7.70	
4600.00	4597.08	4596.08	177.75	10.22	10.22	11.43	145.12	165.67	8.06	
4700.00	4696.51	4695.51	177.88	10.44	10.44	11.67	155.30	176.27	8.41	
4800.00	4795.95	4794.95	178.00	10.67	10.67	11.90	165.49	186.88	8.74	
4900.00	4895.38	4894.38	178.11	10.89	10.89	12.14	175.68	197.48	9.06	
5000.00	4994.82	4993.82	178.21	11.11	11.11	12.39	185.87	208.08	9.37	
5100.00	5094.25	5093.25	178.29	11.34	11.34	12.63	196.05	218.69	9.66	
5200.00	5193.69	5192.69	178.37	11.56	11.56	12.88	206.24	229.29	9.95	
5300.00	5293.13	5292.13	178.44	11.78	11.78	13.14	216.42	239.90	10.22	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 82H (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
5400.00	5392.56	5391.56	178.51	12.01	12.01	13.40	226.60	250.50	10.48	
5500.00	5492.00	5491.00	178.57	12.23	12.23	13.66	236.78	261.11	10.74	
5600.00	5591.43	5590.43	178.63	12.45	12.45	13.93	246.96	271.71	10.98	
5700.00	5690.87	5689.87	178.68	12.68	12.68	14.20	257.14	282.32	11.21	
5800.00	5790.30	5789.30	178.73	12.90	12.90	14.48	267.32	292.93	11.44	
5900.00	5889.74	5888.74	178.77	13.12	13.12	14.76	277.50	303.53	11.66	
6000.00	5989.18	5988.18	178.81	13.35	13.35	15.04	287.68	314.14	11.87	
6100.00	6088.61	6087.61	178.85	13.57	13.57	15.33	297.85	324.75	12.08	
6200.00	6188.05	6187.05	178.89	13.80	13.80	15.63	308.03	335.35	12.27	
6300.00	6287.48	6286.48	178.92	14.02	14.02	15.92	318.20	345.96	12.46	
6400.00	6386.92	6385.92	178.95	14.24	14.24	16.23	328.37	356.57	12.65	
6500.00	6486.35	6485.35	178.98	14.47	14.47	16.54	338.55	367.17	12.83	
6600.00	6589.25	6588.25	179.01	14.70	14.70	16.86	348.68	377.77	12.99	
6700.00	6689.26	6687.13	178.68	15.17	13.94	17.62	334.92	362.50	13.14	
6800.00	6948.37	6973.70	174.00	15.44	13.84	17.87	299.29	327.05	11.78	
6900.00	7027.22	7068.80	169.08	15.75	13.63	18.13	279.87	308.27	10.85	
7000.00	7096.04	7157.20	162.64	16.08	13.27	18.36	280.60	310.07	10.52	
7100.00	7151.63	7234.88	155.28	16.42	12.85	18.56	304.15	335.17	10.80	
7200.00	7194.23	7300.49	147.30	16.74	12.43	18.73	350.30	382.52	11.87	
7300.00	7225.87	7354.48	138.21	17.10	12.06	18.89	414.37	447.69	13.44	
7400.00	7249.57	7399.29	126.22	17.39	11.74	19.02	490.07	524.14	15.38	
7500.00	7271.22	7445.06	115.27	17.79	11.43	19.18	562.65	597.48	17.16	
7600.00	7291.24	7493.71	107.25	18.20	11.11	19.35	627.94	663.52	18.64	
7700.00	7308.83	7544.91	101.26	18.74	10.81	19.57	684.59	721.09	19.75	
7800.00	7323.22	7598.27	96.82	19.30	10.55	19.80	731.63	769.25	20.45	
7900.00	7333.72	7653.38	93.61	20.01	10.37	20.08	768.25	807.28	20.69	
8000.00	7339.77	7709.75	91.47	20.72	10.29	20.38	794.09	834.62	20.59	
8100.00	7341.03	7766.83	90.30	21.51	10.33	20.72	808.57	850.90	20.10	
8200.00	7338.67	7865.35	90.08	23.34	10.65	21.37	808.67	854.49	18.65	
8300.00	7336.27	7965.35	90.06	25.35	11.02	22.10	804.60	854.46	17.14	
8400.00	7333.88	8065.35	90.05	27.49	11.42	22.90	800.40	854.44	15.81	
8500.00	7331.48	8165.35	90.03	29.73	11.85	23.77	795.94	854.42	14.61	
8600.00	7329.08	8265.35	90.02	32.05	12.31	24.69	791.34	854.39	13.55	
8700.00	7326.69	8365.35	90.00	34.44	12.80	25.66	786.67	854.37	12.62	
8800.00	7324.29	8465.35	89.99	36.87	13.31	26.68	781.82	854.34	11.78	
8900.00	7321.90	8565.35	89.97	39.35	13.84	27.74	776.76	854.32	11.01	
9000.00	7319.50	8665.35	89.96	41.86	14.39	28.83	771.68	854.30	10.34	
9100.00	7317.10	8765.35	89.94	44.41	14.95	29.95	766.58	854.27	9.74	
9200.00	7314.71	8865.35	89.93	46.97	15.53	31.11	761.48	854.25	9.21	
9300.00	7312.31	8965.35	89.91	49.56	16.12	32.29	756.36	854.23	8.73	
9400.00	7309.92	9065.35	89.90	52.16	16.72	33.49	751.15	854.20	8.29	
9500.00	7307.52	9165.35	89.88	54.78	17.33	34.71	745.80	854.18	7.88	
9600.00	7305.12	9265.35	89.87	57.41	17.95	35.95	740.48	854.16	7.51	
9700.00	7302.73	9365.35	89.85	60.05	18.58	37.21	735.19	854.13	7.18	
9800.00	7300.33	9465.35	89.84	62.70	19.22	38.48	729.89	854.11	6.88	
9900.00	7297.94	9565.35	89.83	65.36	19.86	39.76	724.51	854.09	6.59	
10000.00	7295.54	9665.35	89.81	68.03	20.51	41.06	719.13	854.06	6.33	
10100.00	7293.14	9765.35	89.80	70.70	21.17	42.37	713.74	854.04	6.09	
10200.00	7290.75	9865.35	89.78	73.38	21.83	43.69	708.34	854.02	5.86	
10300.00	7288.35	9965.35	89.77	76.07	22.49	45.01	702.93	854.00	5.65	
10400.00	7285.96	10065.35	89.75	78.76	23.16	46.35	697.51	853.97	5.46	
10500.00	7283.56	10165.35	89.74	81.45	23.83	47.69	692.09	853.95	5.28	
10600.00	7281.16	10265.35	89.72	84.15	24.51	49.04	686.66	853.93	5.11	
10700.00	7278.77	10365.35	89.71	86.85	25.19	50.40	681.23	853.90	4.95	
10800.00	7276.37	10465.35	89.69	89.55	25.87	51.76	675.79	853.88	4.79	
10900.00	7273.98	10565.35	89.68	92.26	26.55	53.13	670.34	853.86	4.65	
11000.00	7271.58	10665.35	89.66	94.97	27.24	54.50	664.89	853.84	4.52	
11100.00	7269.18	10765.35	89.65	97.69	27.93	55.88	659.44	853.81	4.39	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep Unit 82H (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
11200.00	7266.79	10865.35	89.63	100.40	28.62	57.27	653.98	853.79	4.27	
11300.00	7264.39	10965.35	89.62	103.12	29.31	58.65	648.52	853.77	4.16	
11400.00	7262.00	11065.35	89.60	105.84	30.01	60.04	643.05	853.75	4.05	
11500.00	7259.60	11165.35	89.59	108.56	30.71	61.44	637.59	853.73	3.95	
11600.00	7257.20	11265.35	89.57	111.28	31.41	62.83	632.12	853.70	3.85	
11700.00	7254.81	11365.35	89.56	114.00	32.11	64.23	626.65	853.68	3.76	
11800.00	7252.41	11465.35	89.54	116.73	32.81	65.64	621.17	853.66	3.67	
11900.00	7250.02	11565.35	89.53	119.45	33.51	67.04	615.69	853.64	3.59	
12000.00	7247.62	11665.35	89.51	122.18	34.22	68.45	610.21	853.62	3.51	
12100.00	7245.22	11765.35	89.50	124.91	34.92	69.86	604.73	853.59	3.43	
12200.00	7242.83	11865.35	89.48	127.64	35.63	71.27	599.25	853.57	3.36	
12300.00	7240.43	11965.34	89.47	130.37	36.34	72.69	593.76	853.55	3.29	
12400.00	7238.03	12065.34	89.46	133.10	37.05	74.11	588.28	853.53	3.22	
12500.00	7236.00	12150.28	89.44	135.43	37.65	75.31	583.76	853.64	3.16	
12600.00	7236.00	12150.28	89.44	135.43	37.65	75.31	593.51	861.21	3.22	
12700.00	7236.00	12150.28	89.44	135.43	37.65	75.31	618.01	880.14	3.36	
12800.00	7236.00	12150.28	89.44	135.43	37.65	75.31	655.93	909.74	3.58	
12900.00	7236.00	12150.28	89.44	135.43	37.65	75.31	705.45	949.00	3.90	
12912.74	7236.00	12150.28	89.44	135.43	37.65	75.31	712.45	954.64	3.94	

Secondary Well: Burton Flat Deep unit 53H (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	-0.13	2.87	261.63	0.01	0.01	0.08	5118.84	5119.41	8975.29	
100.00	95.38	98.38	261.63	0.13	0.13	2.58	5118.65	5119.46	6356.25	
200.00	192.45	195.45	261.63	0.38	0.38	2.63	5118.30	5119.58	3994.38	
300.00	300.53	303.53	261.63	0.66	0.66	2.63	5117.87	5119.65	2878.37	
400.00	396.36	399.36	261.63	0.79	0.79	2.63	5117.54	5119.68	2396.71	
500.00	507.05	510.05	261.63	0.91	0.91	2.64	5117.12	5119.60	2060.79	
600.00	584.73	587.73	261.63	1.06	1.06	2.65	5116.83	5119.69	1792.14	
700.00	712.34	715.34	261.63	1.26	1.26	2.65	5116.43	5119.71	1561.99	
800.00	796.14	799.14	261.63	1.36	1.36	2.66	5116.03	5119.63	1421.67	
900.00	909.77	912.77	261.63	1.52	1.52	2.67	5115.56	5119.55	1284.78	
1000.00	1005.73	1008.73	261.62	1.67	1.67	2.68	5115.04	5119.42	1171.04	
1100.00	1121.18	1124.18	261.62	1.89	1.89	2.69	5114.26	5119.08	1063.47	
1200.00	1214.46	1217.47	261.61	2.08	2.08	2.70	5113.55	5118.78	979.46	
1300.00	1331.05	1334.06	261.61	2.33	2.33	2.71	5112.53	5118.22	898.45	
1400.00	1419.54	1422.56	261.60	2.53	2.53	2.72	5111.61	5117.74	835.52	
1500.00	1515.82	1518.83	261.59	2.76	2.76	2.73	5110.85	5117.42	778.97	
1600.00	6662.93	11331.00	200.56	132.70	36.12	72.30	5036.38	5077.01	124.94	
1700.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4936.56	4977.29	122.19	
1800.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4836.75	4877.59	119.44	
1900.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4736.93	4777.89	116.62	
2000.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4637.10	4678.21	113.79	
2100.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4537.29	4578.55	110.97	
2200.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4437.48	4478.90	108.15	
2300.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4337.69	4379.26	105.34	
2400.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4237.91	4279.64	102.55	
2500.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4138.14	4180.04	99.76	
2600.00	6662.93	11331.00	200.56	132.70	36.12	72.30	4038.39	4080.46	96.98	
2700.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3938.65	3980.90	94.22	
2800.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3838.93	3881.37	91.46	
2900.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3739.23	3781.85	88.72	
3000.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3639.54	3682.37	85.99	
3100.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3539.88	3582.91	83.27	
3200.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3440.24	3483.48	80.56	
3300.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3340.63	3384.09	77.86	
3400.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3241.05	3284.74	75.18	
3500.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3141.49	3185.42	72.52	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep unit 53H (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
3600.00	6662.93	11331.00	200.56	132.70	36.12	72.30	3041.97	3086.15	69.86	
3700.00	6662.93	11331.00	17.12	132.70	36.12	72.30	2942.49	2986.92	67.22	
3800.00	6662.93	11331.00	19.82	132.70	36.12	72.30	2842.92	2887.60	64.62	
3900.00	6662.93	11331.00	23.34	132.70	36.12	72.30	2743.22	2788.14	62.07	
4000.00	6662.93	11331.00	28.07	132.70	36.12	72.30	2643.41	2688.56	59.55	
4100.00	6662.93	11331.00	34.61	132.70	36.12	72.30	2543.48	2588.87	57.03	
4200.00	6662.93	11331.00	43.92	132.70	36.12	72.30	2443.49	2489.10	54.57	
4300.00	6662.93	11331.00	54.93	132.70	36.12	72.30	2343.47	2389.27	52.17	
4400.00	6662.93	11331.00	54.93	132.70	36.12	72.30	2243.45	2289.43	49.80	
4500.00	6662.93	11331.00	54.93	132.70	36.12	72.30	2143.44	2189.60	47.43	
4600.00	6662.93	11331.00	54.93	132.70	36.12	72.30	2043.44	2089.79	45.09	
4700.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1943.44	1990.00	42.75	
4800.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1843.46	1890.23	40.42	
4900.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1743.50	1790.48	38.11	
5000.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1643.55	1690.77	35.80	
5100.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1543.62	1591.09	33.51	
5200.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1443.71	1491.46	31.23	
5300.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1343.82	1391.88	28.97	
5400.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1243.98	1292.36	26.71	
5500.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1144.18	1192.92	24.48	
5600.00	6662.93	11331.00	54.93	132.70	36.12	72.30	1044.45	1093.59	22.26	
5700.00	6662.93	11331.00	54.93	132.70	36.12	72.30	944.80	994.39	20.05	
5800.00	6662.93	11331.00	54.93	132.70	36.12	72.30	845.26	895.36	17.87	
5900.00	6662.93	11331.00	54.93	132.70	36.12	72.30	745.88	796.58	15.71	
6000.00	6662.93	11331.00	54.93	132.70	36.12	72.30	646.66	698.15	13.56	
6100.00	6662.93	11331.00	54.93	132.70	36.12	72.30	547.62	600.24	11.41	
6200.00	6662.93	11331.00	54.93	132.70	36.12	72.30	449.01	503.15	9.29	
6300.00	6662.93	11331.00	54.93	132.70	36.12	72.30	351.33	407.47	7.26	
6400.00	6662.93	11331.00	54.93	132.70	36.12	72.30	254.84	314.49	5.27	
6500.00	6662.93	11331.00	54.93	132.70	36.12	72.30	162.01	227.54	3.47	
6600.00	6662.93	11331.00	54.93	132.70	36.12	72.30	82.64	156.99	2.11	
6700.00	6662.93	11331.00	54.93	132.70	36.12	72.30	59.24	132.35	1.81	SF(L0)
6800.00	6662.93	11331.00	48.40	132.70	36.12	72.30	117.52	171.36	3.18	
6900.00	6662.93	11331.00	40.77	132.70	36.12	72.30	196.73	240.54	5.49	
7000.00	6662.93	11331.00	32.89	132.70	36.12	72.30	271.47	319.50	6.65	
7100.00	6662.93	11331.00	26.03	132.70	36.12	72.30	342.97	400.85	6.93	
7200.00	6662.93	11331.00	20.70	132.70	36.12	72.30	412.68	481.54	6.99	
7300.00	6662.93	11331.00	16.74	132.70	36.12	72.30	480.03	559.93	7.01	
7400.00	6662.96	11329.70	18.02	132.67	36.11	72.28	545.46	635.51	7.06	
7500.00	6663.81	11288.82	28.42	131.56	35.82	71.70	613.51	710.64	7.32	
7600.00	6664.95	11234.85	36.23	130.11	35.43	70.93	679.98	781.70	7.68	
7700.00	6666.46	11169.15	41.27	128.33	34.97	70.00	740.77	845.29	8.09	
7800.00	6668.07	11091.21	44.27	126.21	34.42	68.89	792.43	898.46	8.47	
7900.00	6669.51	11004.84	45.90	123.86	33.81	67.66	832.24	938.95	8.80	
8000.00	6669.45	10930.74	46.55	121.85	33.31	66.60	859.16	966.08	9.04	
8100.00	6667.55	10836.18	46.75	119.28	32.64	65.26	872.85	979.17	9.21	
8200.00	6665.95	10738.39	46.59	116.62	31.95	63.87	871.87	977.18	9.28	
8300.00	6664.40	10641.23	46.35	113.97	31.26	62.50	867.49	971.93	9.31	
8400.00	6663.19	10546.12	46.15	111.38	30.59	61.15	863.40	967.05	9.33	
8500.00	6661.68	10447.23	45.95	108.67	29.89	59.76	859.54	962.53	9.35	
8600.00	6659.99	10350.87	45.74	106.06	29.22	58.40	855.84	958.19	9.36	
8700.00	6657.99	10253.64	45.53	103.38	28.52	57.03	852.48	954.22	9.38	
8800.00	6657.25	10151.90	45.41	100.58	27.80	55.60	849.01	950.31	9.38	
8900.00	6655.86	10049.74	45.23	97.87	27.10	54.17	845.29	946.16	9.38	
9000.00	6653.86	9950.17	44.99	95.15	26.40	52.78	841.57	941.92	9.39	
9100.00	6651.82	9851.90	44.75	92.48	25.72	51.41	837.90	937.77	9.39	
9200.00	6649.12	9752.15	44.47	89.76	25.03	50.03	834.61	933.93	9.40	
9300.00	6650.40	9643.04	44.46	86.68	24.23	48.52	829.79	929.13	9.35	

5D Anti-Collision Report

Secondary Well: Burton Flat Deep unit 53H (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
9400.00	6653.05	9546.12	44.59	84.01	23.56	47.19	825.01	924.41	9.30	
9500.00	6655.67	9451.41	44.73	81.48	22.93	45.89	820.44	919.80	9.26	
9600.00	6654.65	9360.67	44.62	79.09	22.34	44.65	817.08	916.41	9.23	
9700.00	6652.82	9259.85	44.45	76.36	21.66	43.28	814.14	913.22	9.22	
9800.00	6650.37	9158.69	44.22	73.63	20.97	41.91	811.36	910.05	9.22	
9900.00	6648.27	9060.50	44.01	70.98	20.31	40.59	808.37	906.68	9.22	
10000.00	6644.59	8959.71	43.68	68.29	19.64	39.24	805.98	903.74	9.24	
10100.00	6640.40	8862.84	43.27	65.67	19.00	37.95	803.39	900.51	9.27	
10200.00	6636.88	8754.28	42.95	62.69	18.27	36.52	800.91	897.61	9.28	
10300.00	6636.54	8653.95	42.85	59.97	17.61	35.21	797.03	893.62	9.25	
10400.00	6636.33	8535.19	42.68	56.82	16.83	33.68	792.58	888.96	9.22	
10500.00	6639.14	8422.86	42.64	53.79	16.09	32.25	785.66	881.99	9.16	
10600.00	6641.48	8336.82	42.63	51.48	15.57	31.17	778.83	875.21	9.08	
10700.00	6640.72	8266.89	42.50	49.61	15.18	30.31	774.93	871.15	9.05	
10800.00	6636.75	8168.64	42.17	46.99	14.58	29.10	773.32	869.10	9.07	
10900.00	6632.52	8074.43	41.83	44.49	14.02	27.97	771.97	867.29	9.10	
11000.00	6631.33	7930.64	41.59	40.66	13.12	26.29	768.16	863.23	9.08	
11100.00	6635.54	7819.36	41.62	37.74	12.48	25.04	760.42	855.58	8.99	
11200.00	6639.14	7727.09	41.67	35.33	11.99	24.04	752.73	848.06	8.90	
11300.00	6640.51	7647.02	41.61	33.23	11.60	23.20	746.67	842.04	8.83	
11400.00	6639.14	7565.04	41.46	31.10	11.20	22.36	743.53	838.80	8.80	
11500.00	6636.49	7464.37	41.21	28.55	10.72	21.38	741.20	836.33	8.79	
11600.00	6632.84	7358.41	40.84	25.86	10.22	20.42	738.72	833.49	8.80	
11700.00	6632.05	7239.76	40.63	23.04	9.73	19.42	734.61	829.34	8.76	
11800.00	6629.65	7085.05	39.60	19.50	9.15	18.30	727.00	820.45	8.78	
11900.00	6630.84	6966.29	38.62	16.90	8.80	17.60	714.52	806.86	8.74	
12000.00	6629.45	6884.55	37.64	15.24	8.62	17.20	701.70	793.18	8.67	
12100.00	6625.68	6825.64	36.77	14.11	8.54	16.94	692.43	783.25	8.62	
12200.00	6619.73	6789.66	36.02	13.47	8.58	16.83	690.68	780.53	8.69	
12300.00	6611.81	6759.83	35.28	12.98	8.65	16.74	698.46	786.67	8.92	
12400.00	6602.39	6733.21	34.54	12.58	8.73	16.68	716.11	802.03	9.33	
12500.00	6589.49	6703.44	33.64	12.17	8.81	16.62	742.89	826.20	9.92	
12600.00	6577.20	6679.00	32.86	11.87	8.89	16.58	778.13	858.62	10.67	
12700.00	6561.05	6650.42	31.93	11.55	8.95	16.51	821.32	898.70	11.61	
12800.00	6541.01	6617.44	30.87	11.21	8.97	16.44	870.88	945.02	12.75	
12900.00	6519.64	6584.09	29.84	10.91	8.99	16.39	925.59	996.62	14.03	
12912.74	6516.92	6579.98	29.72	10.88	8.99	16.38	932.90	1003.54	14.21	



Weatherford

Weatherford Drilling Services

GeoDec4 v2.1.0.0

Report Date: August 13, 2015
Job Number: _____
Customer: Devon Energy
Well Name: Burton Flat Deep Unit 81H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM Nad83 NME
Block: _____
Engineer: RWJ

NAD83 / New Mexico East (ftUS)	NAD83 (1986)
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 2257	EPSG: 4269
North: 548768.80 US Survey Foot	Latitude: 32.508496 Degree
East: 597130.80 US Survey Foot	Longitude: -104.152342 Degree
Convergence: 0.10°	
Declination: 7.54°	
Total Correction: 7.44°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
Latitude = 32° 30' 30.58" N
Longitude = 104° 09' 08.43" W

Magnetic Declination = 7.54 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6649
Local Field Strength = 48294 nT	Magnetic Vector X = 23739 nT
Magnetic Dip = 60.28 deg	Magnetic Vector Y = 3141 nT
Magnetic Model = bggm2015.dat	Magnetic Vector Z = 41940 nT
Run Date = December 15, 2015	Magnetic Vector H = 23946 nT

Signed: _____ Date: _____

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