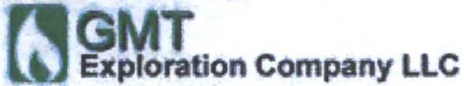


HOBBS OCD

AUG 29 2016

RECEIVED



Mastiff 22 Federal State Com 4H
Lea Co, NM

Plan Data for Mastiff 22 Federal State Com 4H

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	467954.70	814020.30	0.00	0.00
10827.04	0.00	0.00	10827.04	0.00	0.00	467954.70	814020.30	0.00	0.00
11727.04	90.00	0.81	11400.00	572.90	8.05	468527.60	814028.35	572.81	10.00
15905.95	90.00	0.81	11400.00	4751.40	66.80	472706.10	814087.10	4750.60	0.00

Plan Data for Mastiff 22 Federal State Com 4H

Slot: Mastiff 22 Federal State Com 4H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 467954.70USft Latitude: 32°17'0.2"
+E/-W: 0.00USft Easting: 814020.30USft Longitude: -103°27'3.5"
Elevation Above VRD: 3406.00USft

Plan Data for Mastiff 22 Federal State Com 4H

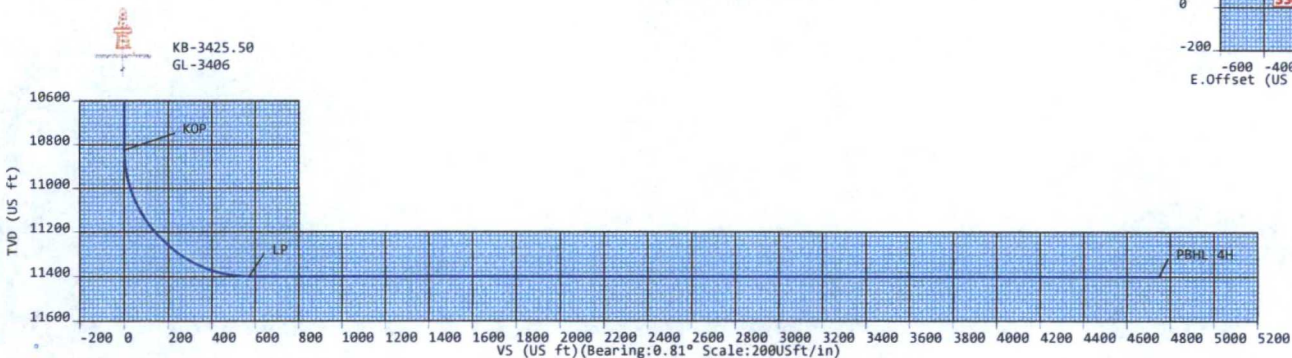
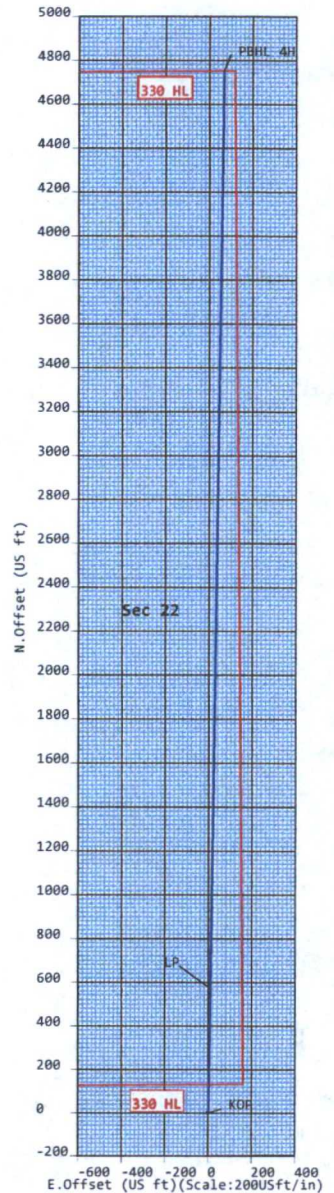
Target Set Information:
Name: Mastiff 22 Federal State Com 4H
Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)		
PBHL 4H	11400.00	4751.40	66.80	472706.10	814087.10	Cuboid	

Plan Data for Mastiff 22 Federal State Com 4H

Well: Mastiff 22 Federal State Com 4H
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: 359.48°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 48248(nT) 7.15° 60.22° 2015-11-30

Mastiff 22 Federal State Com 4H



Sign Off: Russell Joyner

HOBBS CCD
AUG 29 2016
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5D Plan Report

GMT Exploration Co., LLC

Field Name: *Lea Co., New Mexico (NAD 83 NME)*

Site Name: *Mastiff 22 Federal State Com 4H*

Well Name: *Mastiff 22 Federal State Com 4H*

Plan: *P1:V1*

28 May 2015



Mastiff 22 Federal State Com 4H

Field Name Lea Co., New Mexico (NAD 83 NME)	Map Units : US ft		Company Name : GMT Exploration Co., LLC	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / New Mexico East (ftUS)			
	Comment :			
Site Name Mastiff 22 Federal State Com 4H	Units : US ft	North Reference : Grid	Convergence Angle : 0.47	
	Position	Northing : 467954.70 US ft	Latitude : 32° 17' 0.23"	
		Easting : 814020.30 US ft	Longitude : -103° 27' 3.48"	
	Elevation above Mean Sea Level:3406.00 US ft			
Comment :				
Slot Name Mastiff 22 Federal State Com 4H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :467954.70 US ft	Latitude : 32°17'0.23"	
	+E / -W : 0.00 US ft	Easting :814020.30 US ft	Longitude : -103°27'3.48"	
	Slot TVD Reference : Ground Elevation			
Elevation above Mean Sea Level : 3406.00 US ft				
Comment :				
Well Name Mastiff 22 Federal State Com 4H	Type : Main well	UWI :	Plan : P1:V1	
	Rig Height	Kelly Bushing : 19.50 US ft	Comment :	
	Relative to Mean Sea Level: 3425.50 US ft			
	Closure Distance : 4751.87 US ft		Closure Azimuth : 0.805469°	
Vertical Section (Position of Origin Relative to Slot)				
+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az :0.81°	
Magnetic Parameters				
Model : BGGM	Field Strength : 48248.2nT	Dec : 7.15°	Dip : 60.22°	Date : 30/Nov/2015

Target Set

Name : Mastiff 22 Federal State Com 4H
Number of Targets : 1

Comment :

Target Name:	Position (Relative to Slot centre)		
	+N / -S : 4751.40US ft	Northing : 472706.10 US ft	Latitude : 32°17'47.24"
PBHL 4H	+E / -W : 66.80 US ft	Easting : 814087.10US ft	Longitude : -103°27'2.25"
Shape:	TVD (Kelly Bushing) : 11400.00 US ft		
Cuboid			
	Orientation	Azimuth : 0.00°	Inclination : 0.00°
	Dimensions	Length : 0.00 US ft	Breadth : 0.00 US ft
			Height : 0.00 US ft

Well path created using minimum curvature

5D Plan Report

Salient Points (Relative to Slot centre, TVD relative to Kelly Bushing)											Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10827.04	0.00	0.00	10827.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
11727.04	90.00	0.81	11400.00	572.90	8.05	572.96	10.00	10.00	0.00	0.81	LP
15905.95	90.00	0.81	11400.00	4751.40	66.80	4751.87	0.00	0.00	0.00	0.00	PBHL 4H

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)											Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)		
10800.00	0.00	0.00	10800.00	0.00	0.00	0.00	0.00	467954.70	814020.30		
10827.04	0.00	0.00	10827.04	0.00	0.00	0.00	0.00	467954.70	814020.30		KOP
10900.00	7.30	0.81	10899.80	4.64	0.07	4.64	10.00	467959.34	814020.37		
11000.00	17.30	0.81	10997.39	25.91	0.36	25.91	10.00	467980.61	814020.66		
11100.00	27.30	0.81	11089.79	63.79	0.90	63.80	10.00	468018.49	814021.20		
11200.00	37.30	0.81	11174.21	117.15	1.65	117.16	10.00	468071.85	814021.95		
11300.00	47.30	0.81	11248.09	184.35	2.59	184.37	10.00	468139.05	814022.89		
11400.00	57.30	0.81	11309.17	263.36	3.70	263.39	10.00	468218.06	814024.00		
11500.00	67.30	0.81	11355.60	351.78	4.95	351.81	10.00	468306.48	814025.25		
11600.00	77.30	0.81	11385.97	446.91	6.28	446.96	10.00	468401.61	814026.58		
11700.00	87.30	0.81	11399.36	545.87	7.67	545.93	10.00	468500.57	814027.97		
11727.04	90.00	0.81	11400.00	572.90	8.05	572.96	10.00	468527.60	814028.35		LP
11800.00	90.00	0.81	11400.00	645.85	9.08	645.92	0.00	468600.55	814029.38		
11900.00	90.00	0.81	11400.00	745.84	10.49	745.92	0.00	468700.54	814030.79		
12000.00	90.00	0.81	11400.00	845.83	11.89	845.92	0.00	468800.53	814032.19		
12100.00	90.00	0.81	11400.00	945.82	13.30	945.92	0.00	468900.52	814033.60		
12200.00	90.00	0.81	11400.00	1045.81	14.70	1045.92	0.00	469000.51	814035.00		
12300.00	90.00	0.81	11400.00	1145.80	16.11	1145.92	0.00	469100.50	814036.41		
12400.00	90.00	0.81	11400.00	1245.79	17.51	1245.92	0.00	469200.49	814037.81		
12500.00	90.00	0.81	11400.00	1345.78	18.92	1345.92	0.00	469300.48	814039.22		
12600.00	90.00	0.81	11400.00	1445.77	20.33	1445.92	0.00	469400.47	814040.63		
12700.00	90.00	0.81	11400.00	1545.76	21.73	1545.92	0.00	469500.46	814042.03		
12800.00	90.00	0.81	11400.00	1645.75	23.14	1645.92	0.00	469600.45	814043.44		
12900.00	90.00	0.81	11400.00	1745.74	24.54	1745.92	0.00	469700.44	814044.84		
13000.00	90.00	0.81	11400.00	1845.73	25.95	1845.92	0.00	469800.43	814046.25		
13100.00	90.00	0.81	11400.00	1945.72	27.35	1945.92	0.00	469900.42	814047.65		
13200.00	90.00	0.81	11400.00	2045.72	28.76	2045.92	0.00	470000.42	814049.06		
13300.00	90.00	0.81	11400.00	2145.71	30.17	2145.92	0.00	470100.41	814050.47		
13400.00	90.00	0.81	11400.00	2245.70	31.57	2245.92	0.00	470200.40	814051.87		
13500.00	90.00	0.81	11400.00	2345.69	32.98	2345.92	0.00	470300.39	814053.28		
13600.00	90.00	0.81	11400.00	2445.68	34.38	2445.92	0.00	470400.38	814054.68		
13700.00	90.00	0.81	11400.00	2545.67	35.79	2545.92	0.00	470500.37	814056.09		
13800.00	90.00	0.81	11400.00	2645.66	37.20	2645.92	0.00	470600.36	814057.50		
13900.00	90.00	0.81	11400.00	2745.65	38.60	2745.92	0.00	470700.35	814058.90		
14000.00	90.00	0.81	11400.00	2845.64	40.01	2845.92	0.00	470800.34	814060.31		
14100.00	90.00	0.81	11400.00	2945.63	41.41	2945.92	0.00	470900.33	814061.71		
14200.00	90.00	0.81	11400.00	3045.62	42.82	3045.92	0.00	471000.32	814063.12		
14300.00	90.00	0.81	11400.00	3145.61	44.22	3145.92	0.00	471100.31	814064.52		
14400.00	90.00	0.81	11400.00	3245.60	45.63	3245.92	0.00	471200.30	814065.93		
14500.00	90.00	0.81	11400.00	3345.59	47.04	3345.92	0.00	471300.29	814067.34		
14600.00	90.00	0.81	11400.00	3445.58	48.44	3445.92	0.00	471400.28	814068.74		
14700.00	90.00	0.81	11400.00	3545.57	49.85	3545.92	0.00	471500.27	814070.15		
14800.00	90.00	0.81	11400.00	3645.56	51.25	3645.92	0.00	471600.26	814071.55		
14900.00	90.00	0.81	11400.00	3745.55	52.66	3745.92	0.00	471700.25	814072.96		
15000.00	90.00	0.81	11400.00	3845.54	54.06	3845.92	0.00	471800.24	814074.36		
15100.00	90.00	0.81	11400.00	3945.53	55.47	3945.92	0.00	471900.23	814075.77		
15200.00	90.00	0.81	11400.00	4045.52	56.88	4045.92	0.00	472000.22	814077.18		
15300.00	90.00	0.81	11400.00	4145.51	58.28	4145.92	0.00	472100.21	814078.58		
15400.00	90.00	0.81	11400.00	4245.50	59.69	4245.92	0.00	472200.20	814079.99		
15500.00	90.00	0.81	11400.00	4345.49	61.09	4345.92	0.00	472300.19	814081.39		
15600.00	90.00	0.81	11400.00	4445.48	62.50	4445.92	0.00	472400.18	814082.80		

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 (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
15700.00	90.00	0.81	11400.00	4545.47	63.90	4545.92	0.00	472500.17	814084.20	
15800.00	90.00	0.81	11400.00	4645.46	65.31	4645.92	0.00	472600.16	814085.61	
15900.00	90.00	0.81	11400.00	4745.45	66.72	4745.92	0.00	472700.15	814087.02	
15905.95	90.00	0.81	11400.00	4751.40	66.80	4751.87	0.00	472706.10	814087.10	PBHL 4H

Mastiff 22 Federal State Com 4H
Lea Co, NM

Plan Data for Mastiff 22 Federal State Com 4H

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	467954.70	814020.30	0.00	0.00
10827.04	0.00	0.00	10827.04	0.00	0.00	467954.70	814020.30	0.00	0.00
11727.04	90.00	0.81	11400.00	572.90	8.05	468527.60	814028.35	572.81	10.00
15905.95	90.00	0.81	11400.00	4751.40	66.80	472706.10	814087.10	4750.60	0.00

Plan Data for Mastiff 22 Federal State Com 4H

Slot: Mastiff 22 Federal State Com 4H

Position:

Offset is from Site centre

+N/-S: 0.00USft Northing: 467954.70USft Latitude: 32°17'0.2"
+E/-W: 0.00USft Easting: 814020.30USft Longitude: -103°27'3.5"
Elevation Above VRD: 3406.00USft

Plan Data for Mastiff 22 Federal State Com 4H

Target Set Information:

Name: Mastiff 22 Federal State Com 4H

Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
PBHL 4H	11400.00	4751.40	66.80	472706.10	814087.10	Cuboid	

Plan Data for Mastiff 22 Federal State Com 4H

Well: Mastiff 22 Federal State Com 4H

Type: Main-Well

File Number:

Plan Folder: P1

Plan: P1:V1

Vertical Section: Position offset of origin from Slot centre:

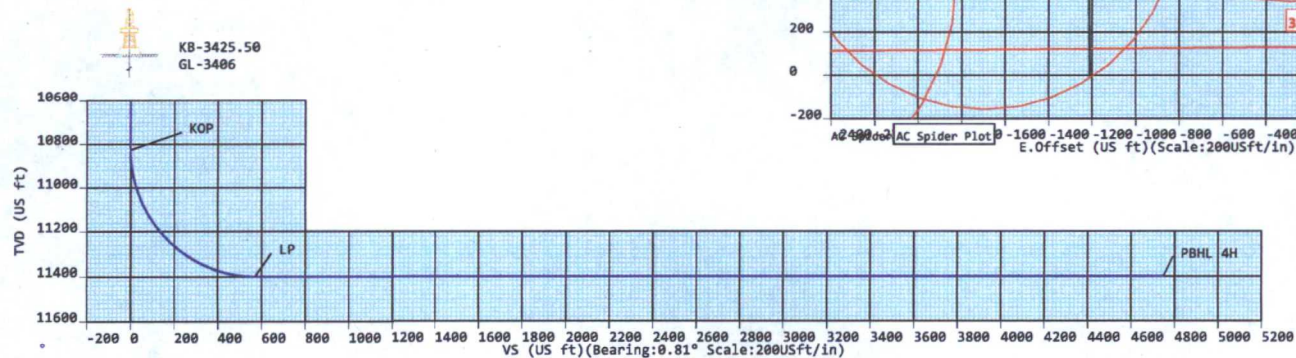
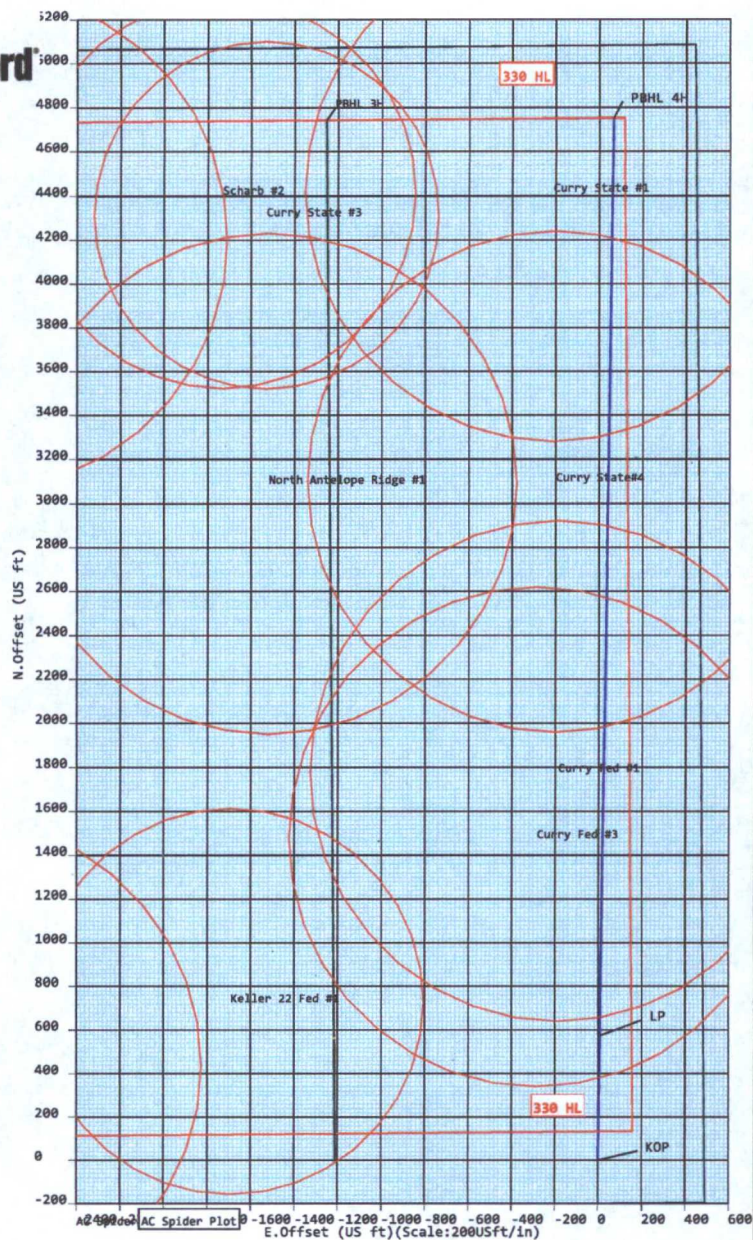
+N/-S: 0.00USft Azimuth: 359.48°

+E/-W: 0.00USft

Magnetic Parameters:

Model: Field Strength: Declination: Dip: Date:

BGMH 48248(nT) 7.15° 60.22° 2015-11-30



Sign Off: Russell Joyner

5D Plan Report

GMT Exploration Co., LLC**Field Name:** *Lea Co., New Mexico (NAD 83 NME)***Site Name:** *Mastiff 22 Federal State Com 4H***Well Name:** *Mastiff 22 Federal State Com 4H***Plan:** *P1:V1*

28 May 2015



Mastiff 22 Federal State Com 4H

Field Name Lea Co., New Mexico (NAD 83 NME)	Map Units : US ft		Company Name : GMT Exploration Co., LLC	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / New Mexico East (ftUS)			
	Comment :			
Site Name Mastiff 22 Federal State Com 4H	Units : US ft	North Reference : Grid	Convergence Angle : 0.47	
	Position	Northing : 467954.70 US ft	Latitude : 32° 17' 0.23"	
		Easting : 814020.30 US ft	Longitude : -103° 27' 3.48"	
	Elevation above Mean Sea Level:3406.00 US ft			
Comment :				
Slot Name Mastiff 22 Federal State Com 4H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :467954.70 US ft	Latitude : 32°17'0.23"	
	+E / -W : 0.00 US ft	Easting :814020.30 US ft	Longitude : -103°27'3.48"	
	Slot TVD Reference : Ground Elevation			
Elevation above Mean Sea Level : 3406.00 US ft				
Comment :				
Well Name Mastiff 22 Federal State Com 4H	Type : Main well		UWI :	Plan : P1:V1
	Rig Height <i>Kelly Bushing</i> : 19.50 US ft		Comment :	
	Relative to Mean Sea Level: 3425.50 US ft			
	Closure Distance : 4751.87 US ft		Closure Azimuth : 0.805469°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az :0.81°
Magnetic Parameters				
Model : BGGM		Field Strength : 48248.2nT	Dec : 7.15°	Dip : 60.22° Date : 30/Nov/2015

Target Set

Name : Mastiff 22 Federal State Com 4H
Number of Targets : 1

Comment :

Target Name: PBHL 4H Shape: Cuboid	Position (Relative to Slot centre)			
	+N / -S : 4751.40US ft	Northing : 472706.10 US ft	Latitude : 32°17'47.24"	
	+E / -W : 66.80 US ft	Easting : 814087.10US ft	Longitude : -103°27'2.25"	
	TVD (Kelly Bushing) : 11400.00 US ft			
	Orientation	Azimuth : 0.00°	Inclination : 0.00°	
	Dimensions	Length : 0.00 US ft	Breadth : 0.00 US ft	Height : 0.00 US ft

Well path created using minimum curvature

5D Plan Report

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 (°/100 US ft)	B. Rate (°/100 US ft)	T. Rate (°/100 US 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	
10827.04	0.00	0.00	10827.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
11727.04	90.00	0.81	11400.00	572.90	8.05	572.96	10.00	10.00	0.00	0.81	LP
15905.95	90.00	0.81	11400.00	4751.40	66.80	4751.87	0.00	0.00	0.00	0.00	PBHL 4H

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 (°/100 US ft)	Northing (US ft)	Easting (US ft)		Comment
10800.00	0.00	0.00	10800.00	0.00	0.00	0.00	0.00	467954.70	814020.30		
10827.04	0.00	0.00	10827.04	0.00	0.00	0.00	0.00	467954.70	814020.30		KOP
10900.00	7.30	0.81	10899.80	4.64	0.07	4.64	10.00	467959.34	814020.37		
11000.00	17.30	0.81	10997.39	25.91	0.36	25.91	10.00	467980.61	814020.66		
11100.00	27.30	0.81	11089.79	63.79	0.90	63.80	10.00	468018.49	814021.20		
11200.00	37.30	0.81	11174.21	117.15	1.65	117.16	10.00	468071.85	814021.95		
11300.00	47.30	0.81	11248.09	184.35	2.59	184.37	10.00	468139.05	814022.89		
11400.00	57.30	0.81	11309.17	263.36	3.70	263.39	10.00	468218.06	814024.00		
11500.00	67.30	0.81	11355.60	351.78	4.95	351.81	10.00	468306.48	814025.25		
11600.00	77.30	0.81	11385.97	446.91	6.28	446.96	10.00	468401.61	814026.58		
11700.00	87.30	0.81	11399.36	545.87	7.67	545.93	10.00	468500.57	814027.97		
11727.04	90.00	0.81	11400.00	572.90	8.05	572.96	10.00	468527.60	814028.35		LP
11800.00	90.00	0.81	11400.00	645.85	9.08	645.92	0.00	468600.55	814029.38		
11900.00	90.00	0.81	11400.00	745.84	10.49	745.92	0.00	468700.54	814030.79		
12000.00	90.00	0.81	11400.00	845.83	11.89	845.92	0.00	468800.53	814032.19		
12100.00	90.00	0.81	11400.00	945.82	13.30	945.92	0.00	468900.52	814033.60		
12200.00	90.00	0.81	11400.00	1045.81	14.70	1045.92	0.00	469000.51	814035.00		
12300.00	90.00	0.81	11400.00	1145.80	16.11	1145.92	0.00	469100.50	814036.41		
12400.00	90.00	0.81	11400.00	1245.79	17.51	1245.92	0.00	469200.49	814037.81		
12500.00	90.00	0.81	11400.00	1345.78	18.92	1345.92	0.00	469300.48	814039.22		
12600.00	90.00	0.81	11400.00	1445.77	20.33	1445.92	0.00	469400.47	814040.63		
12700.00	90.00	0.81	11400.00	1545.76	21.73	1545.92	0.00	469500.46	814042.03		
12800.00	90.00	0.81	11400.00	1645.75	23.14	1645.92	0.00	469600.45	814043.44		
12900.00	90.00	0.81	11400.00	1745.74	24.54	1745.92	0.00	469700.44	814044.84		
13000.00	90.00	0.81	11400.00	1845.73	25.95	1845.92	0.00	469800.43	814046.25		
13100.00	90.00	0.81	11400.00	1945.72	27.35	1945.92	0.00	469900.42	814047.65		
13200.00	90.00	0.81	11400.00	2045.72	28.76	2045.92	0.00	470000.42	814049.06		
13300.00	90.00	0.81	11400.00	2145.71	30.17	2145.92	0.00	470100.41	814050.47		
13400.00	90.00	0.81	11400.00	2245.70	31.57	2245.92	0.00	470200.40	814051.87		
13500.00	90.00	0.81	11400.00	2345.69	32.98	2345.92	0.00	470300.39	814053.28		
13600.00	90.00	0.81	11400.00	2445.68	34.38	2445.92	0.00	470400.38	814054.68		
13700.00	90.00	0.81	11400.00	2545.67	35.79	2545.92	0.00	470500.37	814056.09		
13800.00	90.00	0.81	11400.00	2645.66	37.20	2645.92	0.00	470600.36	814057.50		
13900.00	90.00	0.81	11400.00	2745.65	38.60	2745.92	0.00	470700.35	814058.90		
14000.00	90.00	0.81	11400.00	2845.64	40.01	2845.92	0.00	470800.34	814060.31		
14100.00	90.00	0.81	11400.00	2945.63	41.41	2945.92	0.00	470900.33	814061.71		
14200.00	90.00	0.81	11400.00	3045.62	42.82	3045.92	0.00	471000.32	814063.12		
14300.00	90.00	0.81	11400.00	3145.61	44.22	3145.92	0.00	471100.31	814064.52		
14400.00	90.00	0.81	11400.00	3245.60	45.63	3245.92	0.00	471200.30	814065.93		
14500.00	90.00	0.81	11400.00	3345.59	47.04	3345.92	0.00	471300.29	814067.34		
14600.00	90.00	0.81	11400.00	3445.58	48.44	3445.92	0.00	471400.28	814068.74		
14700.00	90.00	0.81	11400.00	3545.57	49.85	3545.92	0.00	471500.27	814070.15		
14800.00	90.00	0.81	11400.00	3645.56	51.25	3645.92	0.00	471600.26	814071.55		
14900.00	90.00	0.81	11400.00	3745.55	52.66	3745.92	0.00	471700.25	814072.96		
15000.00	90.00	0.81	11400.00	3845.54	54.06	3845.92	0.00	471800.24	814074.36		
15100.00	90.00	0.81	11400.00	3945.53	55.47	3945.92	0.00	471900.23	814075.77		
15200.00	90.00	0.81	11400.00	4045.52	56.88	4045.92	0.00	472000.22	814077.18		
15300.00	90.00	0.81	11400.00	4145.51	58.28	4145.92	0.00	472100.21	814078.58		
15400.00	90.00	0.81	11400.00	4245.50	59.69	4245.92	0.00	472200.20	814079.99		
15500.00	90.00	0.81	11400.00	4345.49	61.09	4345.92	0.00	472300.19	814081.39		
15600.00	90.00	0.81	11400.00	4445.48	62.50	4445.92	0.00	472400.18	814082.80		

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 (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
15700.00	90.00	0.81	11400.00	4545.47	63.90	4545.92	0.00	472500.17	814084.20	
15800.00	90.00	0.81	11400.00	4645.46	65.31	4645.92	0.00	472600.16	814085.61	
15900.00	90.00	0.81	11400.00	4745.45	66.72	4745.92	0.00	472700.15	814087.02	
15905.95	90.00	0.81	11400.00	4751.40	66.80	4751.87	0.00	472706.10	814087.10	PBHL 4H

5D Anti-Collision Report

GMT Exploration Co., LLC**Field Name:** *Lea Co., New Mexico (NAD 83 NME)***Site Name:** *Mastiff 22 Federal State Com 4H***Well Name:** *Mastiff 22 Federal State Com 4H*

28 April 2016





Mastiff 22 Federal State Com 4H

Field Name: Lea Co., New Mexico (NAD 83 NME)	Map Units: US ft		Company Name: GMT Exploration Co., LLC	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Mastiff 22 Federal State Com 4H	Units: US ft	North Reference: Grid	Convergence Angle: 0.47	
	Position:	Northing: 467954.70US ft	Latitude: 32° 17' 0.23"	
		Easting: 814020.30US ft	Longitude: -103° 27' 3.48"	
	Elevation above MSL:3406.00 US ft		Comment:	
Slot: Mastiff 22 Federal State Com 4H	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 467954.70US ft	Latitude: 32°17'0.23"	
	+E/-W: 0.00US ft	Easting: 814020.30US ft	Longitude: -103°27'3.48"	
	Slot TVD Reference: Ground Elevation		Comment:	
Well: Mastiff 22 Federal State Com 4H	Type:Main well	UWI:	Plan:Working Plan	
	File Number:	Comment:		
	Closure Distance:4751.87US ft	Closure Azimuth:0.81°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: 0.00US ft	Az: 0.81°	
Magnetic Parameters:				
Model: BGGM	Field Strength: 48248.2nT	Declination: 7.15°	Dip: 60.22°	Date: 30/Nov/2015

Drill floor: Plan: Working Plan

Rig Height (Kelly Bushing): **Elevation above MSL:** 19.50us ft **3425.50us 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
Mastiff 22 Federal State Com 4H (p)	0.00	15905.95	100.00	2

Secondary Well Names:

Curry Fed #3 (s)
Curry Fed #1 (s)
Curry State#4 (Active) (s)
Curry Fed #2 (Active) (s)
Keller 22 Fed #1 (s)
Curry State #3 (Active) (s)
Scharb #2 (s)
Curry State #2 (Active) (s)
Curry State #1 (s)
North Antelope Ridge #1 (s)
Curry State #5(Active) (s)

5D Anti-Collision Report

Secondary Well Names:

Curry State #6(Active) (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.**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)

SF	Secondary Well Name	Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	ES (US ft)	CC (US ft)	SF	Risk
	Curry Fed #1 (s)	12931.84	11400.00	11391.50	-969.18	211.21	0.18	SF(Hi)
	Curry State#4 (Active) (s)	14250.00	11400.00	11376.50	-957.59	241.80	0.20	SF(Hi)
	Curry State #1 (s)	15572.27	11400.00	11389.50	-950.93	272.38	0.22	SF(Hi)
	Curry Fed #3 (s)	12630.47	11400.00	11389.50	-871.85	304.24	0.26	SF(Hi)
	North Antelope Ridge #1 (s)	14248.63	11400.00	11399.50	359.95	1561.72	1.30	SF(Med)
	Keller 22 Fed #1 (s)	8831.64	8831.64	8850.00	936.40	1840.31	2.04	SF(Lo)
	Curry State #2 (Active) (s)	15391.02	11400.00	11421.50	1685.29	2908.55	2.38	SF(Lo)
	Curry Fed #2 (Active) (s)	11645.31	11394.18	11444.68	1800.81	2972.48	2.54	
	Scharb #2 (s)	8881.25	8881.25	8850.00	3830.11	4735.30	5.23	
	Curry State #3 (Active) (s)	7933.59	7933.59	7900.00	3764.40	4572.72	5.66	
	Curry State #5(Active) (s)	7857.23	7857.23	7850.00	4105.92	4908.90	6.11	
	Curry State #6(Active) (s)	7813.48	7813.48	7796.00	5157.58	5952.52	7.49	

Primary Well: Mastiff 22 Federal State Com 4H (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	278.38	0.00	0.00	0.00	Curry Fed #2 (Active) (s)	2991.37	2997.05	527.01	
100.00	100.00	293.26	0.11	0.11	4.60	Keller 22 Fed #1 (s)	1827.33	1840.30	141.80	
200.00	200.00	349.14	0.34	0.34	4.62	Curry Fed #3 (s)	1485.02	1504.94	75.55	
300.00	300.00	349.14	0.56	0.56	4.65	Curry Fed #3 (s)	1474.80	1504.94	49.92	
400.00	400.00	349.14	0.79	0.79	4.69	Curry Fed #3 (s)	1464.57	1504.94	37.28	
500.00	500.00	349.14	1.01	1.01	4.75	Curry Fed #3 (s)	1454.35	1504.94	29.75	
600.00	600.00	349.14	1.24	1.24	4.81	Curry Fed #3 (s)	1444.13	1504.94	24.75	
700.00	700.00	349.14	1.46	1.46	4.89	Curry Fed #3 (s)	1433.90	1504.94	21.18	
800.00	800.00	349.14	1.69	1.69	4.97	Curry Fed #3 (s)	1423.68	1504.94	18.52	
900.00	900.00	349.14	1.91	1.91	5.06	Curry Fed #3 (s)	1413.45	1504.94	16.45	
1000.00	1000.00	349.14	2.14	2.14	5.16	Curry Fed #3 (s)	1403.23	1504.94	14.80	
1100.00	1100.00	349.14	2.36	2.36	5.27	Curry Fed #3 (s)	1393.01	1504.94	13.44	
1200.00	1200.00	349.14	2.59	2.59	5.38	Curry Fed #3 (s)	1382.78	1504.94	12.32	
1300.00	1300.00	349.14	2.81	2.81	5.50	Curry Fed #3 (s)	1372.56	1504.94	11.37	
1400.00	1400.00	349.14	3.03	3.03	5.63	Curry Fed #3 (s)	1362.34	1504.94	10.55	

5D Anti-Collision Report

Primary Well: Mastiff 22 Federal State Com 4H (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
1500.00	1500.00	349.14	3.26	3.26	5.76	Curry Fed #3 (s)	1352.11	1504.94	9.85	
1600.00	1600.00	349.14	3.48	3.48	5.89	Curry Fed #3 (s)	1341.89	1504.94	9.23	
1700.00	1700.00	349.14	3.71	3.71	6.03	Curry Fed #3 (s)	1331.67	1504.94	8.69	
1800.00	1800.00	349.14	3.93	3.93	6.18	Curry Fed #3 (s)	1321.44	1504.94	8.20	
1900.00	1900.00	349.14	4.16	4.16	6.32	Curry Fed #3 (s)	1311.22	1504.94	7.77	
2000.00	2000.00	349.14	4.38	4.38	6.47	Curry Fed #3 (s)	1300.99	1504.94	7.38	
2100.00	2100.00	349.14	4.61	4.61	6.63	Curry Fed #3 (s)	1290.77	1504.94	7.03	
2200.00	2200.00	349.14	4.83	4.83	6.79	Curry Fed #3 (s)	1280.55	1504.94	6.71	
2300.00	2300.00	349.14	5.06	5.06	6.95	Curry Fed #3 (s)	1270.32	1504.94	6.41	
2400.00	2400.00	349.14	5.28	5.28	7.11	Curry Fed #3 (s)	1260.10	1504.94	6.15	
2500.00	2500.00	349.14	5.51	5.51	7.28	Curry Fed #3 (s)	1249.88	1504.94	5.90	
2600.00	2600.00	349.14	5.73	5.73	7.45	Curry Fed #3 (s)	1239.65	1504.94	5.67	
2700.00	2700.00	349.14	5.96	5.96	7.62	Curry Fed #3 (s)	1229.43	1504.94	5.46	
2800.00	2800.00	349.14	6.18	6.18	7.79	Curry Fed #3 (s)	1219.21	1504.94	5.27	
2900.00	2900.00	349.14	6.41	6.41	7.97	Curry Fed #3 (s)	1208.98	1504.94	5.08	
3000.00	3000.00	349.14	6.63	6.63	8.15	Curry Fed #3 (s)	1198.76	1504.94	4.92	
3100.00	3100.00	349.14	6.86	6.86	8.33	Curry Fed #3 (s)	1188.53	1504.94	4.76	
3200.00	3200.00	349.14	7.08	7.08	8.52	Curry Fed #3 (s)	1178.31	1504.94	4.61	
3300.00	3300.00	349.14	7.31	7.31	8.70	Curry Fed #3 (s)	1168.09	1504.94	4.47	
3400.00	3400.00	349.14	7.53	7.53	8.89	Curry Fed #3 (s)	1157.86	1504.94	4.34	
3500.00	3500.00	349.14	7.76	7.76	9.09	Curry Fed #3 (s)	1147.64	1504.94	4.21	
3600.00	3600.00	349.14	7.98	7.98	9.28	Curry Fed #3 (s)	1137.42	1504.94	4.09	
3700.00	3700.00	349.14	8.20	8.20	9.48	Curry Fed #3 (s)	1127.19	1504.94	3.98	
3800.00	3800.00	349.14	8.43	8.43	9.68	Curry Fed #3 (s)	1116.97	1504.94	3.88	
3900.00	3900.00	349.14	8.65	8.65	9.89	Curry Fed #3 (s)	1106.75	1504.94	3.78	
4000.00	4000.00	349.14	8.88	8.88	10.09	Curry Fed #3 (s)	1096.52	1504.94	3.68	
4100.00	4100.00	349.14	9.10	9.10	10.30	Curry Fed #3 (s)	1086.30	1504.94	3.59	
4200.00	4200.00	349.14	9.33	9.33	10.52	Curry Fed #3 (s)	1076.07	1504.94	3.51	
4300.00	4300.00	349.14	9.55	9.55	10.73	Curry Fed #3 (s)	1065.85	1504.94	3.43	
4400.00	4400.00	349.14	9.78	9.78	10.95	Curry Fed #3 (s)	1055.63	1504.94	3.35	
4500.00	4500.00	349.14	10.00	10.00	11.17	Curry Fed #3 (s)	1045.40	1504.94	3.27	
4600.00	4600.00	349.14	10.23	10.23	11.40	Curry Fed #3 (s)	1035.18	1504.94	3.20	
4700.00	4700.00	349.14	10.45	10.45	11.63	Curry Fed #3 (s)	1024.96	1504.94	3.14	
4800.00	4800.00	349.14	10.68	10.68	11.86	Curry Fed #3 (s)	1014.73	1504.94	3.07	
4900.00	4900.00	349.14	10.90	10.90	12.10	Curry Fed #3 (s)	1004.51	1504.94	3.01	
5000.00	5000.00	349.14	11.13	11.13	12.34	Curry Fed #3 (s)	994.28	1504.94	2.95	

5D Anti-Collision Report

Primary Well: Mastiff 22 Federal State Com 4H (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
5100.00	5100.00	349.14	11.35	11.35	12.58	Curry Fed #3 (s)	984.06	1504.94	2.89	
5200.00	5200.00	349.14	11.58	11.58	12.83	Curry Fed #3 (s)	973.84	1504.94	2.83	
5300.00	5300.00	349.14	11.80	11.80	13.08	Curry Fed #3 (s)	963.61	1504.94	2.78	
5400.00	5400.00	349.14	12.03	12.03	13.34	Curry Fed #3 (s)	953.39	1504.94	2.73	
5500.00	5500.00	349.14	12.25	12.25	13.60	Curry Fed #3 (s)	943.17	1504.94	2.68	
5600.00	5600.00	349.14	12.48	12.48	13.86	Curry Fed #3 (s)	932.94	1504.94	2.63	
5700.00	5700.00	349.14	12.70	12.70	14.13	Curry Fed #3 (s)	922.72	1504.94	2.58	
5800.00	5800.00	349.14	12.93	12.93	14.41	Curry Fed #3 (s)	912.50	1504.94	2.54	
5900.00	5900.00	349.14	13.15	13.15	14.68	Curry Fed #3 (s)	902.27	1504.94	2.50	SF(Lo)
6000.00	6000.00	349.14	13.37	13.37	14.96	Curry Fed #3 (s)	892.05	1504.94	2.46	SF(Lo)
6100.00	6100.00	349.14	13.60	13.60	15.25	Curry Fed #3 (s)	881.82	1504.94	2.42	SF(Lo)
6200.00	6200.00	349.14	13.82	13.82	15.54	Curry Fed #3 (s)	871.60	1504.94	2.38	SF(Lo)
6300.00	6300.00	349.14	14.05	14.05	15.83	Curry Fed #3 (s)	861.38	1504.94	2.34	SF(Lo)
6400.00	6400.00	349.14	14.27	14.27	16.13	Curry Fed #3 (s)	851.15	1504.94	2.30	SF(Lo)
6500.00	6500.00	349.14	14.50	14.50	16.44	Curry Fed #3 (s)	840.93	1504.94	2.27	SF(Lo)
6600.00	6600.00	349.14	14.72	14.72	16.75	Curry Fed #3 (s)	830.71	1504.94	2.23	SF(Lo)
6700.00	6700.00	349.14	14.95	14.95	17.06	Curry Fed #3 (s)	820.48	1504.94	2.20	SF(Lo)
6800.00	6800.00	349.14	15.17	15.17	17.38	Curry Fed #3 (s)	810.26	1504.94	2.17	SF(Lo)
6900.00	6900.00	349.14	15.40	15.40	17.70	Curry Fed #3 (s)	800.04	1504.94	2.13	SF(Lo)
7000.00	7000.00	349.14	15.62	15.62	18.03	Curry Fed #3 (s)	789.81	1504.94	2.10	SF(Lo)
7100.00	7100.00	349.14	15.85	15.85	18.36	Curry Fed #3 (s)	779.59	1504.94	2.07	SF(Lo)
7200.00	7200.00	349.14	16.07	16.07	18.70	Curry Fed #3 (s)	769.36	1504.94	2.05	SF(Lo)
7300.00	7300.00	349.14	16.30	16.30	19.05	Curry Fed #3 (s)	759.14	1504.94	2.02	SF(Lo)
7400.00	7400.00	349.14	16.52	16.52	19.40	Curry Fed #3 (s)	748.92	1504.94	1.99	SF(Lo)
7500.00	7500.00	349.14	16.75	16.75	19.75	Curry Fed #3 (s)	738.69	1504.94	1.96	SF(Lo)
7600.00	7600.00	349.14	16.97	16.97	20.11	Curry Fed #3 (s)	728.47	1504.94	1.94	SF(Lo)
7700.00	7700.00	349.14	17.20	17.20	20.48	Curry Fed #3 (s)	718.25	1504.94	1.91	SF(Lo)
7800.00	7800.00	349.14	17.42	17.42	20.85	Curry Fed #3 (s)	708.02	1504.94	1.89	SF(Lo)
7900.00	7900.00	349.14	17.65	17.65	21.22	Curry Fed #3 (s)	697.80	1504.94	1.86	SF(Lo)
8000.00	8000.00	349.14	17.87	17.87	21.60	Curry Fed #3 (s)	687.58	1504.94	1.84	SF(Lo)
8100.00	8100.00	349.14	18.10	18.10	21.99	Curry Fed #3 (s)	677.35	1504.94	1.82	SF(Lo)
8200.00	8200.00	349.14	18.32	18.32	22.38	Curry Fed #3 (s)	667.13	1504.94	1.80	SF(Lo)
8300.00	8300.00	349.14	18.54	18.54	22.78	Curry Fed #3 (s)	656.90	1504.94	1.77	SF(Lo)
8400.00	8400.00	349.14	18.77	18.77	23.18	Curry Fed #3 (s)	646.68	1504.94	1.75	SF(Lo)
8500.00	8500.00	349.14	18.99	18.99	23.59	Curry Fed #3 (s)	636.46	1504.94	1.73	SF(Lo)
8600.00	8600.00	349.14	19.22	19.22	24.00	Curry Fed #3 (s)	626.23	1504.94	1.71	SF(Lo)

5D Anti-Collision Report

Primary Well: Mastiff 22 Federal State Com 4H (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
8700.00	8700.00	349.14	19.44	19.44	24.42	Curry Fed #3 (s)	616.01	1504.94	1.69	SF(Lo)
8800.00	8800.00	349.14	19.67	19.67	24.85	Curry Fed #3 (s)	605.79	1504.94	1.67	SF(Lo)
8900.00	8900.00	349.14	19.89	19.89	25.28	Curry Fed #3 (s)	595.56	1504.94	1.65	SF(Lo)
9000.00	9000.00	349.14	20.12	20.12	25.72	Curry Fed #3 (s)	585.34	1504.94	1.64	SF(Lo)
9100.00	9100.00	349.14	20.34	20.34	26.16	Curry Fed #3 (s)	575.12	1504.94	1.62	SF(Lo)
9200.00	9200.00	349.14	20.57	20.57	26.61	Curry Fed #3 (s)	564.89	1504.94	1.60	SF(Lo)
9300.00	9300.00	349.14	20.79	20.79	27.06	Curry Fed #3 (s)	554.67	1504.94	1.58	SF(Lo)
9400.00	9400.00	349.14	21.02	21.02	27.52	Curry Fed #3 (s)	544.44	1504.94	1.57	SF(Lo)
9500.00	9500.00	349.14	21.24	21.24	27.99	Curry Fed #3 (s)	534.22	1504.94	1.55	SF(Lo)
9600.00	9600.00	349.14	21.47	21.47	28.46	Curry Fed #3 (s)	524.00	1504.94	1.53	SF(Lo)
9700.00	9700.00	349.14	21.69	21.69	28.94	Curry Fed #3 (s)	513.77	1504.94	1.52	SF(Lo)
9800.00	9800.00	349.14	21.92	21.92	29.42	Curry Fed #3 (s)	503.55	1504.94	1.50	SF(Lo)
9900.00	9900.00	349.14	22.14	22.14	29.91	Curry Fed #3 (s)	493.33	1504.94	1.49	SF(Med)
10000.00	10000.00	349.14	22.37	22.37	30.40	Curry Fed #3 (s)	483.10	1504.94	1.47	SF(Med)
10100.00	10100.00	349.14	22.59	22.59	30.91	Curry Fed #3 (s)	472.88	1504.94	1.46	SF(Med)
10200.00	10200.00	349.14	22.82	22.82	31.41	Curry Fed #3 (s)	462.66	1504.94	1.44	SF(Med)
10300.00	10300.00	349.14	23.04	23.04	31.92	Curry Fed #3 (s)	452.43	1504.94	1.43	SF(Med)
10400.00	10400.00	349.14	23.27	23.27	32.44	Curry Fed #3 (s)	442.21	1504.94	1.42	SF(Med)
10500.00	10500.00	349.14	23.49	23.49	32.97	Curry Fed #3 (s)	431.98	1504.94	1.40	SF(Med)
10600.00	10600.00	349.14	23.71	23.71	33.50	Curry Fed #3 (s)	421.76	1504.94	1.39	SF(Med)
10700.00	10700.00	349.14	23.94	23.94	34.04	Curry Fed #3 (s)	411.54	1504.94	1.38	SF(Med)
10800.00	10800.00	349.14	24.16	24.16	34.58	Curry Fed #3 (s)	401.31	1504.94	1.36	SF(Med)
10900.00	10899.80	348.21	24.39	24.29	35.12	Curry Fed #3 (s)	386.65	1500.40	1.35	SF(Med)
11000.00	10997.39	347.59	24.60	24.08	35.64	Curry Fed #3 (s)	355.92	1479.58	1.32	SF(Med)
11100.00	11089.79	346.35	24.81	23.53	36.12	Curry Fed #3 (s)	309.45	1442.52	1.27	SF(Med)
11200.00	11174.21	344.26	25.03	22.72	36.53	Curry Fed #3 (s)	248.97	1390.40	1.22	SF(Med)
11300.00	11248.09	340.82	25.30	21.75	36.88	Curry Fed #3 (s)	176.40	1324.90	1.15	SF(Med)
11400.00	11309.17	335.05	25.62	20.73	37.18	Curry Fed #3 (s)	94.25	1248.13	1.08	SF(Med)
11500.00	11355.60	324.91	26.02	19.83	37.45	Curry Fed #3 (s)	5.36	1162.57	1.00	SF(Med)
11600.00	11385.97	306.59	26.52	19.21	37.69	Curry Fed #3 (s)	-89.45	1071.03	0.92	SF(Hi)
11700.00	11399.36	278.19	27.10	18.98	37.94	Curry Fed #3 (s)	-187.40	976.54	0.84	SF(Hi)
11800.00	11400.00	270.00	27.77	19.10	38.20	Curry Fed #3 (s)	-283.20	882.08	0.76	SF(Hi)
11900.00	11400.00	270.00	28.54	19.26	38.52	Curry Fed #3 (s)	-375.91	788.97	0.68	SF(Hi)
12000.00	11400.00	270.00	29.41	19.45	38.90	Curry Fed #3 (s)	-463.87	697.77	0.60	SF(Hi)
12100.00	11400.00	270.00	30.36	19.66	39.32	Curry Fed #3 (s)	-556.86	609.33	0.52	SF(Hi)
12200.00	11400.00	270.00	31.38	19.90	39.80	Curry Fed #3 (s)	-638.50	525.07	0.45	SF(Hi)

5D Anti-Collision Report

Primary Well: Mastiff 22 Federal State Com 4H (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
12300.00	11400.00	270.00	32.48	20.16	40.32	Curry Fed #3 (s)	-720.53	447.33	0.38	SF(HI)
12400.00	11400.00	270.00	33.64	20.44	40.89	Curry Fed #3 (s)	-789.50	380.15	0.33	SF(HI)
12500.00	11400.00	270.00	34.86	20.75	41.50	Curry Fed #3 (s)	-840.89	330.04	0.28	SF(HI)
12600.00	11400.00	270.00	36.12	21.08	42.16	Curry Fed #3 (s)	-867.37	305.51	0.26	SF(HI)
12700.00	11400.00	270.00	37.44	21.43	42.85	Curry Fed #3 (s)	-862.71	312.64	0.27	SF(HI)
12800.00	11400.00	270.00	38.79	21.79	43.59	Curry Fed #1 (s)	-926.43	248.05	0.21	SF(HI)
12900.00	11400.00	270.00	40.18	22.18	44.36	Curry Fed #1 (s)	-966.07	213.34	0.18	SF(HI)
13000.00	11400.00	270.00	41.61	22.58	45.16	Curry Fed #1 (s)	-956.45	222.48	0.19	SF(HI)
13100.00	11400.00	270.00	43.06	23.00	46.00	Curry Fed #1 (s)	-904.93	271.08	0.23	SF(HI)
13200.00	11400.00	270.00	44.55	23.43	46.86	Curry Fed #1 (s)	-830.63	342.74	0.29	SF(HI)
13300.00	11400.00	270.00	46.05	23.88	47.76	Curry Fed #1 (s)	-745.47	425.98	0.36	SF(HI)
13400.00	11400.00	270.00	47.58	24.34	48.69	Curry Fed #1 (s)	-650.58	515.21	0.44	SF(HI)
13500.00	11400.00	270.00	49.13	24.82	49.64	Curry Fed #1 (s)	-561.15	607.81	0.52	SF(HI)
13600.00	11400.00	270.00	50.70	25.31	50.61	Curry State#4 (Active) (s)	-474.49	693.79	0.59	SF(HI)
13700.00	11400.00	270.00	52.28	25.81	51.61	Curry State#4 (Active) (s)	-567.60	601.07	0.51	SF(HI)
13800.00	11400.00	270.00	53.88	26.32	52.63	Curry State#4 (Active) (s)	-660.43	511.10	0.44	SF(HI)
13900.00	11400.00	270.00	55.49	26.84	53.67	Curry State#4 (Active) (s)	-748.41	425.64	0.36	SF(HI)
14000.00	11400.00	270.00	57.12	27.37	54.74	Curry State#4 (Active) (s)	-832.54	348.01	0.29	SF(HI)
14100.00	11400.00	270.00	58.76	27.91	55.81	Curry State#4 (Active) (s)	-903.99	284.70	0.24	SF(HI)
14200.00	11400.00	270.00	60.41	28.46	56.91	Curry State#4 (Active) (s)	-949.42	246.97	0.21	SF(HI)
14300.00	11400.00	270.00	62.06	29.01	58.02	Curry State#4 (Active) (s)	-952.00	246.86	0.21	SF(HI)
14400.00	11400.00	270.00	63.73	29.58	59.15	Curry State#4 (Active) (s)	-909.17	284.39	0.24	SF(HI)
14500.00	11400.00	270.00	65.40	30.15	60.30	Curry State#4 (Active) (s)	-835.28	347.59	0.29	SF(HI)
14600.00	11400.00	270.00	67.09	30.73	61.45	Curry State#4 (Active) (s)	-752.96	425.16	0.36	SF(HI)
14700.00	11400.00	270.00	68.78	31.31	62.62	Curry State#4 (Active) (s)	-666.94	510.59	0.43	SF(HI)
14800.00	11400.00	270.00	70.47	31.90	63.81	Curry State#4 (Active) (s)	-570.97	600.54	0.51	SF(HI)
14900.00	11400.00	270.00	72.18	32.50	65.00	Curry State#4 (Active) (s)	-479.55	693.25	0.59	SF(HI)
15000.00	11400.00	270.00	73.89	33.10	66.20	Curry State #1 (s)	-543.97	631.68	0.54	SF(HI)
15100.00	11400.00	270.00	75.60	33.71	67.42	Curry State #1 (s)	-640.86	543.17	0.46	SF(HI)
15200.00	11400.00	270.00	77.32	34.32	68.64	Curry State #1 (s)	-727.48	459.39	0.39	SF(HI)

5D Anti-Collision Report

Primary Well: Mastiff 22 Federal State Com 4H (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
15300.00	11400.00	270.00	79.04	34.94	69.88	Curry State #1 (s)	-812.11	383.48	0.32	SF(Hi)
15400.00	11400.00	270.00	80.77	35.56	71.12	Curry State #1 (s)	-887.43	321.04	0.27	SF(Hi)
15500.00	11400.00	270.00	82.50	36.19	72.37	Curry State #1 (s)	-934.47	281.21	0.23	SF(Hi)
15600.00	11400.00	270.00	84.24	36.82	73.63	Curry State #1 (s)	-945.69	274.03	0.22	SF(Hi)
15700.00	11400.00	270.00	85.98	37.45	74.90	Curry State #1 (s)	-912.01	301.83	0.25	SF(Hi)
15800.00	11400.00	270.00	87.72	38.09	76.17	Curry State #1 (s)	-851.51	356.53	0.30	SF(Hi)
15900.00	11400.00	270.00	89.47	38.73	77.45	Curry State #1 (s)	-771.65	427.93	0.36	SF(Hi)
15905.95	11400.00	270.00	89.57	38.77	77.53	Curry State #1 (s)	-766.59	432.54	0.36	SF(Hi)

Secondary Well: Curry Fed #3 (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	10.50	0.00	349.14	0.00	0.00	0.00	1504.34	1504.98	2353.13	
100.00	100.00	89.50	349.14	8.95	8.95	2.48	1495.24	1504.94	155.18	
200.00	200.00	189.50	349.14	18.95	18.95	4.62	1485.02	1504.94	75.55	
300.00	300.00	289.50	349.14	28.95	28.95	4.65	1474.80	1504.94	49.92	
400.00	400.00	389.50	349.14	38.95	38.95	4.69	1464.57	1504.94	37.28	
500.00	500.00	489.50	349.14	48.95	48.95	4.74	1454.35	1504.94	29.75	
600.00	600.00	589.50	349.14	58.95	58.95	4.81	1444.13	1504.94	24.75	
700.00	700.00	689.50	349.14	68.95	68.95	4.88	1433.90	1504.94	21.18	
800.00	800.00	789.50	349.14	78.95	78.95	4.96	1423.68	1504.94	18.52	
900.00	900.00	889.50	349.14	88.95	88.95	5.06	1413.45	1504.94	16.45	
1000.00	1000.00	989.50	349.14	98.95	98.95	5.15	1403.23	1504.94	14.80	
1100.00	1100.00	1089.50	349.14	108.95	108.95	5.26	1393.01	1504.94	13.44	
1200.00	1200.00	1189.50	349.14	118.95	118.95	5.37	1382.78	1504.94	12.32	
1300.00	1300.00	1289.50	349.14	128.95	128.95	5.49	1372.56	1504.94	11.37	
1400.00	1400.00	1389.50	349.14	138.95	138.95	5.62	1362.34	1504.94	10.55	
1500.00	1500.00	1489.50	349.14	148.95	148.95	5.74	1352.11	1504.94	9.85	
1600.00	1600.00	1589.50	349.14	158.95	158.95	5.88	1341.89	1504.94	9.23	
1700.00	1700.00	1689.50	349.14	168.95	168.95	6.02	1331.67	1504.94	8.69	
1800.00	1800.00	1789.50	349.14	178.95	178.95	6.16	1321.44	1504.94	8.20	
1900.00	1900.00	1889.50	349.14	188.95	188.95	6.31	1311.22	1504.94	7.77	
2000.00	2000.00	1989.50	349.14	198.95	198.95	6.46	1300.99	1504.94	7.38	
2100.00	2100.00	2089.50	349.14	208.95	208.95	6.61	1290.77	1504.94	7.03	
2200.00	2200.00	2189.50	349.14	218.95	218.95	6.77	1280.55	1504.94	6.71	
2300.00	2300.00	2289.50	349.14	228.95	228.95	6.93	1270.32	1504.94	6.41	
2400.00	2400.00	2389.50	349.14	238.95	238.95	7.09	1260.10	1504.94	6.15	
2500.00	2500.00	2489.50	349.14	248.95	248.95	7.26	1249.88	1504.94	5.90	
2600.00	2600.00	2589.50	349.14	258.95	258.95	7.43	1239.65	1504.94	5.67	
2700.00	2700.00	2689.50	349.14	268.95	268.95	7.60	1229.43	1504.94	5.46	
2800.00	2800.00	2789.50	349.14	278.95	278.95	7.77	1219.21	1504.94	5.27	
2900.00	2900.00	2889.50	349.14	288.95	288.95	7.95	1208.98	1504.94	5.08	
3000.00	3000.00	2989.50	349.14	298.95	298.95	8.13	1198.76	1504.94	4.92	
3100.00	3100.00	3089.50	349.14	308.95	308.95	8.31	1188.53	1504.94	4.76	
3200.00	3200.00	3189.50	349.14	318.95	318.95	8.50	1178.31	1504.94	4.61	
3300.00	3300.00	3289.50	349.14	328.95	328.95	8.68	1168.09	1504.94	4.47	
3400.00	3400.00	3389.50	349.14	338.95	338.95	8.87	1157.86	1504.94	4.34	
3500.00	3500.00	3489.50	349.14	348.95	348.95	9.07	1147.64	1504.94	4.21	
3600.00	3600.00	3589.50	349.14	358.95	358.95	9.26	1137.42	1504.94	4.09	
3700.00	3700.00	3689.50	349.14	368.95	368.95	9.46	1127.19	1504.94	3.98	
3800.00	3800.00	3789.50	349.14	378.95	378.95	9.66	1116.97	1504.94	3.88	
3900.00	3900.00	3889.50	349.14	388.95	388.95	9.87	1106.75	1504.94	3.78	
4000.00	4000.00	3989.50	349.14	398.95	398.95	10.07	1096.52	1504.94	3.68	
4100.00	4100.00	4089.50	349.14	408.95	408.95	10.28	1086.30	1504.94	3.59	

5D Anti-Collision Report

Secondary Well: Curry Fed #3 (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
4200.00	4200.00	4189.50	349.14	418.95	418.95	10.50	1076.07	1504.94	3.51	
4300.00	4300.00	4289.50	349.14	428.95	428.95	10.71	1065.85	1504.94	3.43	
4400.00	4400.00	4389.50	349.14	438.95	438.95	10.93	1055.63	1504.94	3.35	
4500.00	4500.00	4489.50	349.14	448.95	448.95	11.15	1045.40	1504.94	3.27	
4600.00	4600.00	4589.50	349.14	458.95	458.95	11.38	1035.18	1504.94	3.20	
4700.00	4700.00	4689.50	349.14	468.95	468.95	11.61	1024.96	1504.94	3.14	
4800.00	4800.00	4789.50	349.14	478.95	478.95	11.84	1014.73	1504.94	3.07	
4900.00	4900.00	4889.50	349.14	488.95	488.95	12.08	1004.51	1504.94	3.01	
5000.00	5000.00	4989.50	349.14	498.95	498.95	12.32	994.28	1504.94	2.95	
5100.00	5100.00	5089.50	349.14	508.95	508.95	12.56	984.06	1504.94	2.89	
5200.00	5200.00	5189.50	349.14	518.95	518.95	12.81	973.84	1504.94	2.83	
5300.00	5300.00	5289.50	349.14	528.95	528.95	13.06	963.61	1504.94	2.78	
5400.00	5400.00	5389.50	349.14	538.95	538.95	13.32	953.39	1504.94	2.73	
5500.00	5500.00	5489.50	349.14	548.95	548.95	13.58	943.17	1504.94	2.68	
5600.00	5600.00	5589.50	349.14	558.95	558.95	13.84	932.94	1504.94	2.63	
5700.00	5700.00	5689.50	349.14	568.95	568.95	14.11	922.72	1504.94	2.58	
5800.00	5800.00	5789.50	349.14	578.95	578.95	14.38	912.50	1504.94	2.54	
5900.00	5900.00	5889.50	349.14	588.95	588.95	14.66	902.27	1504.94	2.50	SF(Lo)
6000.00	6000.00	5989.50	349.14	598.95	598.95	14.94	892.05	1504.94	2.46	SF(Lo)
6100.00	6100.00	6089.50	349.14	608.95	608.95	15.23	881.82	1504.94	2.42	SF(Lo)
6200.00	6200.00	6189.50	349.14	618.95	618.95	15.52	871.60	1504.94	2.38	SF(Lo)
6300.00	6300.00	6289.50	349.14	628.95	628.95	15.81	861.38	1504.94	2.34	SF(Lo)
6400.00	6400.00	6389.50	349.14	638.95	638.95	16.11	851.15	1504.94	2.30	SF(Lo)
6500.00	6500.00	6489.50	349.14	648.95	648.95	16.41	840.93	1504.94	2.27	SF(Lo)
6600.00	6600.00	6589.50	349.14	658.95	658.95	16.72	830.71	1504.94	2.23	SF(Lo)
6700.00	6700.00	6689.50	349.14	668.95	668.95	17.04	820.48	1504.94	2.20	SF(Lo)
6800.00	6800.00	6789.50	349.14	678.95	678.95	17.36	810.26	1504.94	2.17	SF(Lo)
6900.00	6900.00	6889.50	349.14	688.95	688.95	17.68	800.04	1504.94	2.13	SF(Lo)
7000.00	7000.00	6989.50	349.14	698.95	698.95	18.01	789.81	1504.94	2.10	SF(Lo)
7100.00	7100.00	7089.50	349.14	708.95	708.95	18.34	779.59	1504.94	2.07	SF(Lo)
7200.00	7200.00	7189.50	349.14	718.95	718.95	18.68	769.36	1504.94	2.05	SF(Lo)
7300.00	7300.00	7289.50	349.14	728.95	728.95	19.02	759.14	1504.94	2.02	SF(Lo)
7400.00	7400.00	7389.50	349.14	738.95	738.95	19.37	748.92	1504.94	1.99	SF(Lo)
7500.00	7500.00	7489.50	349.14	748.95	748.95	19.73	738.69	1504.94	1.96	SF(Lo)
7600.00	7600.00	7589.50	349.14	758.95	758.95	20.09	728.47	1504.94	1.94	SF(Lo)
7700.00	7700.00	7689.50	349.14	768.95	768.95	20.45	718.25	1504.94	1.91	SF(Lo)
7800.00	7800.00	7789.50	349.14	778.95	778.95	20.82	708.02	1504.94	1.89	SF(Lo)
7900.00	7900.00	7889.50	349.14	788.95	788.95	21.20	697.80	1504.94	1.86	SF(Lo)
8000.00	8000.00	7989.50	349.14	798.95	798.95	21.58	687.58	1504.94	1.84	SF(Lo)
8100.00	8100.00	8089.50	349.14	808.95	808.95	21.96	677.35	1504.94	1.82	SF(Lo)
8200.00	8200.00	8189.50	349.14	818.95	818.95	22.35	667.13	1504.94	1.80	SF(Lo)
8300.00	8300.00	8289.50	349.14	828.95	828.95	22.75	656.90	1504.94	1.77	SF(Lo)
8400.00	8400.00	8389.50	349.14	838.95	838.95	23.15	646.68	1504.94	1.75	SF(Lo)
8500.00	8500.00	8489.50	349.14	848.95	848.95	23.56	636.46	1504.94	1.73	SF(Lo)
8600.00	8600.00	8589.50	349.14	858.95	858.95	23.98	626.23	1504.94	1.71	SF(Lo)
8700.00	8700.00	8689.50	349.14	868.95	868.95	24.40	616.01	1504.94	1.69	SF(Lo)
8800.00	8800.00	8789.50	349.14	878.95	878.95	24.82	605.79	1504.94	1.67	SF(Lo)
8900.00	8900.00	8889.50	349.14	888.95	888.95	25.25	595.56	1504.94	1.65	SF(Lo)
9000.00	9000.00	8989.50	349.14	898.95	898.95	25.69	585.34	1504.94	1.64	SF(Lo)
9100.00	9100.00	9089.50	349.14	908.95	908.95	26.13	575.12	1504.94	1.62	SF(Lo)
9200.00	9200.00	9189.50	349.14	918.95	918.95	26.58	564.89	1504.94	1.60	SF(Lo)
9300.00	9300.00	9289.50	349.14	928.95	928.95	27.03	554.67	1504.94	1.58	SF(Lo)
9400.00	9400.00	9389.50	349.14	938.95	938.95	27.49	544.44	1504.94	1.57	SF(Lo)
9500.00	9500.00	9489.50	349.14	948.95	948.95	27.96	534.22	1504.94	1.55	SF(Lo)
9600.00	9600.00	9589.50	349.14	958.95	958.95	28.43	524.00	1504.94	1.53	SF(Lo)
9700.00	9700.00	9689.50	349.14	968.95	968.95	28.91	513.77	1504.94	1.52	SF(Lo)
9800.00	9800.00	9789.50	349.14	978.95	978.95	29.39	503.55	1504.94	1.50	SF(Lo)
9900.00	9900.00	9889.50	349.14	988.95	988.95	29.88	493.33	1504.94	1.49	SF(Med)

5D Anti-Collision Report

Secondary Well: Curry Fed #3 (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
10000.00	10000.00	9989.50	349.14	998.95	998.95	30.37	483.10	1504.94	1.47	SF(Med)
10100.00	10100.00	10089.50	349.14	1008.95	1008.95	30.88	472.88	1504.94	1.46	SF(Med)
10200.00	10200.00	10189.50	349.14	1018.95	1018.95	31.38	462.66	1504.94	1.44	SF(Med)
10300.00	10300.00	10289.50	349.14	1028.95	1028.95	31.89	452.43	1504.94	1.43	SF(Med)
10400.00	10400.00	10389.50	349.14	1038.95	1038.95	32.41	442.21	1504.94	1.42	SF(Med)
10500.00	10500.00	10489.50	349.14	1048.95	1048.95	32.94	431.98	1504.94	1.40	SF(Med)
10600.00	10600.00	10589.50	349.14	1058.95	1058.95	33.47	421.76	1504.94	1.39	SF(Med)
10700.00	10700.00	10689.50	349.14	1068.95	1068.95	34.00	411.54	1504.94	1.38	SF(Med)
10800.00	10800.00	10789.50	349.14	1078.95	1078.95	34.55	401.31	1504.94	1.36	SF(Med)
10900.00	10899.80	10889.30	348.21	1088.93	1088.93	35.09	386.65	1500.40	1.35	SF(Med)
11000.00	10997.39	10986.89	347.59	1098.69	1098.69	35.63	355.92	1479.58	1.32	SF(Med)
11100.00	11089.79	11079.29	346.35	1107.93	1107.93	36.15	309.45	1442.52	1.27	SF(Med)
11200.00	11174.21	11163.71	344.26	1116.37	1116.37	36.63	248.97	1390.40	1.22	SF(Med)
11300.00	11248.09	11237.59	340.82	1123.76	1123.76	37.05	176.40	1324.90	1.15	SF(Med)
11400.00	11309.17	11298.67	335.05	1129.87	1129.87	37.40	94.25	1248.13	1.08	SF(Med)
11500.00	11355.60	11345.10	324.91	1134.51	1134.51	37.67	5.36	1162.57	1.00	SF(Med)
11600.00	11385.97	11375.47	306.59	1137.55	1137.55	37.85	-89.45	1071.03	0.92	SF(Hi)
11700.00	11399.36	11388.86	278.19	1138.89	1138.89	37.92	-187.40	976.54	0.84	SF(Hi)
11800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-283.20	882.08	0.76	SF(Hi)
11900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-375.91	788.97	0.68	SF(Hi)
12000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-463.87	697.77	0.60	SF(Hi)
12100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-556.86	609.33	0.52	SF(Hi)
12200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-638.50	525.07	0.45	SF(Hi)
12300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-720.53	447.33	0.38	SF(Hi)
12400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-789.50	380.15	0.33	SF(Hi)
12500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-840.89	330.04	0.28	SF(Hi)
12600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-867.37	305.51	0.26	SF(Hi)
12700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-862.71	312.64	0.27	SF(Hi)
12800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-825.72	349.51	0.30	SF(Hi)
12900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-765.62	408.12	0.35	SF(Hi)
13000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-691.73	480.60	0.41	SF(Hi)
13100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-607.25	561.59	0.48	SF(Hi)
13200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-522.09	647.92	0.55	SF(Hi)
13300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-427.85	737.70	0.63	SF(Hi)
13400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-338.20	829.83	0.71	SF(Hi)
13500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-244.98	923.59	0.79	SF(Hi)
13600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-149.11	1018.54	0.87	SF(Hi)
13700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-51.69	1114.38	0.96	SF(Hi)
13800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	46.83	1210.89	1.04	SF(Med)
13900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	143.37	1307.92	1.12	SF(Med)
14000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	239.72	1405.37	1.21	SF(Med)
14100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	336.74	1503.16	1.29	SF(Med)
14200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	434.36	1601.22	1.37	SF(Med)
14300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	532.42	1699.50	1.46	SF(Med)
14400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	630.82	1797.97	1.54	SF(Lo)
14500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	729.44	1896.61	1.62	SF(Lo)
14600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	828.24	1995.38	1.71	SF(Lo)
14700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	927.23	2094.26	1.79	SF(Lo)
14800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1026.36	2193.25	1.88	SF(Lo)
14900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1125.61	2292.33	1.96	SF(Lo)
15000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1224.96	2391.48	2.05	SF(Lo)
15100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1324.39	2490.70	2.14	SF(Lo)
15200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1423.88	2589.98	2.22	SF(Lo)
15300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1523.43	2689.31	2.31	SF(Lo)
15400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1623.03	2788.69	2.39	SF(Lo)
15500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1722.67	2888.12	2.48	SF(Lo)
15600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1822.35	2987.58	2.56	
15700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1922.05	3087.08	2.65	

5D Anti-Collision Report

Secondary Well: Curry Fed #3 (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
15800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2021.79	3186.60	2.74	
15900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2121.54	3286.16	2.82	
15905.95	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2127.48	3292.09	2.83	

Secondary Well: Curry Fed #1 (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	8.50	0.00	354.02	0.00	0.00	0.00	1787.88	1788.52	2796.51	
100.00	100.00	91.50	354.02	9.15	9.15	2.53	1778.63	1788.50	181.10	
200.00	200.00	191.50	354.02	19.15	19.15	4.62	1768.43	1788.50	89.09	
300.00	300.00	291.50	354.02	29.15	29.15	4.65	1758.23	1788.50	59.08	
400.00	400.00	391.50	354.02	39.15	39.15	4.69	1748.03	1788.50	44.19	
500.00	500.00	491.50	354.02	49.15	49.15	4.74	1737.83	1788.50	35.29	
600.00	600.00	591.50	354.02	59.15	59.15	4.81	1727.63	1788.50	29.38	
700.00	700.00	691.50	354.02	69.15	69.15	4.88	1717.43	1788.50	25.16	
800.00	800.00	791.50	354.02	79.15	79.15	4.97	1707.23	1788.50	22.01	
900.00	900.00	891.50	354.02	89.15	89.15	5.06	1697.03	1788.50	19.55	
1000.00	1000.00	991.50	354.02	99.15	99.15	5.15	1686.83	1788.50	17.59	
1100.00	1100.00	1091.50	354.02	109.15	109.15	5.26	1676.63	1788.50	15.99	
1200.00	1200.00	1191.50	354.02	119.15	119.15	5.37	1666.43	1788.50	14.65	
1300.00	1300.00	1291.50	354.02	129.15	129.15	5.49	1656.23	1788.50	13.52	
1400.00	1400.00	1391.50	354.02	139.15	139.15	5.62	1646.03	1788.50	12.55	
1500.00	1500.00	1491.50	354.02	149.15	149.15	5.75	1635.83	1788.50	11.71	
1600.00	1600.00	1591.50	354.02	159.15	159.15	5.88	1625.63	1788.50	10.98	
1700.00	1700.00	1691.50	354.02	169.15	169.15	6.02	1615.43	1788.50	10.33	
1800.00	1800.00	1791.50	354.02	179.15	179.15	6.16	1605.23	1788.50	9.76	
1900.00	1900.00	1891.50	354.02	189.15	189.15	6.31	1595.03	1788.50	9.24	
2000.00	2000.00	1991.50	354.02	199.15	199.15	6.46	1584.83	1788.50	8.78	
2100.00	2100.00	2091.50	354.02	209.15	209.15	6.62	1574.63	1788.50	8.36	
2200.00	2200.00	2191.50	354.02	219.15	219.15	6.77	1564.43	1788.50	7.98	
2300.00	2300.00	2291.50	354.02	229.15	229.15	6.93	1554.24	1788.50	7.63	
2400.00	2400.00	2391.50	354.02	239.15	239.15	7.10	1544.04	1788.50	7.32	
2500.00	2500.00	2491.50	354.02	249.15	249.15	7.26	1533.84	1788.50	7.02	
2600.00	2600.00	2591.50	354.02	259.15	259.15	7.43	1523.64	1788.50	6.75	
2700.00	2700.00	2691.50	354.02	269.15	269.15	7.60	1513.44	1788.50	6.50	
2800.00	2800.00	2791.50	354.02	279.15	279.15	7.78	1503.24	1788.50	6.27	
2900.00	2900.00	2891.50	354.02	289.15	289.15	7.95	1493.04	1788.50	6.05	
3000.00	3000.00	2991.50	354.02	299.15	299.15	8.13	1482.84	1788.50	5.85	
3100.00	3100.00	3091.50	354.02	309.15	309.15	8.32	1472.64	1788.50	5.66	
3200.00	3200.00	3191.50	354.02	319.15	319.15	8.50	1462.44	1788.50	5.49	
3300.00	3300.00	3291.50	354.02	329.15	329.15	8.69	1452.24	1788.50	5.32	
3400.00	3400.00	3391.50	354.02	339.15	339.15	8.88	1442.04	1788.50	5.16	
3500.00	3500.00	3491.50	354.02	349.15	349.15	9.07	1431.84	1788.50	5.01	
3600.00	3600.00	3591.50	354.02	359.15	359.15	9.27	1421.64	1788.50	4.88	
3700.00	3700.00	3691.50	354.02	369.15	369.15	9.46	1411.44	1788.50	4.74	
3800.00	3800.00	3791.50	354.02	379.15	379.15	9.67	1401.24	1788.50	4.62	
3900.00	3900.00	3891.50	354.02	389.15	389.15	9.87	1391.04	1788.50	4.50	
4000.00	4000.00	3991.50	354.02	399.15	399.15	10.08	1380.84	1788.50	4.39	
4100.00	4100.00	4091.50	354.02	409.15	409.15	10.29	1370.64	1788.50	4.28	
4200.00	4200.00	4191.50	354.02	419.15	419.15	10.50	1360.44	1788.50	4.18	
4300.00	4300.00	4291.50	354.02	429.15	429.15	10.72	1350.24	1788.50	4.08	
4400.00	4400.00	4391.50	354.02	439.15	439.15	10.94	1340.04	1788.50	3.99	
4500.00	4500.00	4491.50	354.02	449.15	449.15	11.16	1329.84	1788.50	3.90	
4600.00	4600.00	4591.50	354.02	459.15	459.15	11.38	1319.64	1788.50	3.81	
4700.00	4700.00	4691.50	354.02	469.15	469.15	11.61	1309.45	1788.50	3.73	
4800.00	4800.00	4791.50	354.02	479.15	479.15	11.85	1299.25	1788.50	3.66	
4900.00	4900.00	4891.50	354.02	489.15	489.15	12.08	1289.05	1788.50	3.58	
5000.00	5000.00	4991.50	354.02	499.15	499.15	12.32	1278.85	1788.50	3.51	
5100.00	5100.00	5091.50	354.02	509.15	509.15	12.57	1268.65	1788.50	3.44	

5D Anti-Collision Report

Secondary Well: Curry Fed #1 (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
5200.00	5200.00	5191.50	354.02	519.15	519.15	12.82	1258.45	1788.50	3.37	
5300.00	5300.00	5291.50	354.02	529.15	529.15	13.07	1248.25	1788.50	3.31	
5400.00	5400.00	5391.50	354.02	539.15	539.15	13.32	1238.05	1788.50	3.25	
5500.00	5500.00	5491.50	354.02	549.15	549.15	13.58	1227.85	1788.50	3.19	
5600.00	5600.00	5591.50	354.02	559.15	559.15	13.85	1217.65	1788.50	3.13	
5700.00	5700.00	5691.50	354.02	569.15	569.15	14.11	1207.45	1788.50	3.08	
5800.00	5800.00	5791.50	354.02	579.15	579.15	14.39	1197.25	1788.50	3.02	
5900.00	5900.00	5891.50	354.02	589.15	589.15	14.66	1187.05	1788.50	2.97	
6000.00	6000.00	5991.50	354.02	599.15	599.15	14.94	1176.85	1788.50	2.92	
6100.00	6100.00	6091.50	354.02	609.15	609.15	15.23	1166.65	1788.50	2.88	
6200.00	6200.00	6191.50	354.02	619.15	619.15	15.52	1156.45	1788.50	2.83	
6300.00	6300.00	6291.50	354.02	629.15	629.15	15.82	1146.25	1788.50	2.78	
6400.00	6400.00	6391.50	354.02	639.15	639.15	16.12	1136.05	1788.50	2.74	
6500.00	6500.00	6491.50	354.02	649.15	649.15	16.42	1125.85	1788.50	2.70	
6600.00	6600.00	6591.50	354.02	659.15	659.15	16.73	1115.65	1788.50	2.66	
6700.00	6700.00	6691.50	354.02	669.15	669.15	17.04	1105.45	1788.50	2.62	
6800.00	6800.00	6791.50	354.02	679.15	679.15	17.36	1095.25	1788.50	2.58	
6900.00	6900.00	6891.50	354.02	689.15	689.15	17.68	1085.05	1788.50	2.54	
7000.00	7000.00	6991.50	354.02	699.15	699.15	18.01	1074.85	1788.50	2.51	
7100.00	7100.00	7091.50	354.02	709.15	709.15	18.35	1064.66	1788.50	2.47	SF(Lo)
7200.00	7200.00	7191.50	354.02	719.15	719.15	18.68	1054.46	1788.50	2.44	SF(Lo)
7300.00	7300.00	7291.50	354.02	729.15	729.15	19.03	1044.26	1788.50	2.40	SF(Lo)
7400.00	7400.00	7391.50	354.02	739.15	739.15	19.38	1034.06	1788.50	2.37	SF(Lo)
7500.00	7500.00	7491.50	354.02	749.15	749.15	19.73	1023.86	1788.50	2.34	SF(Lo)
7600.00	7600.00	7591.50	354.02	759.15	759.15	20.09	1013.66	1788.50	2.31	SF(Lo)
7700.00	7700.00	7691.50	354.02	769.15	769.15	20.45	1003.46	1788.50	2.28	SF(Lo)
7800.00	7800.00	7791.50	354.02	779.15	779.15	20.83	993.26	1788.50	2.25	SF(Lo)
7900.00	7900.00	7891.50	354.02	789.15	789.15	21.20	983.06	1788.50	2.22	SF(Lo)
8000.00	8000.00	7991.50	354.02	799.15	799.15	21.58	972.86	1788.50	2.19	SF(Lo)
8100.00	8100.00	8091.50	354.02	809.15	809.15	21.97	962.66	1788.50	2.17	SF(Lo)
8200.00	8200.00	8191.50	354.02	819.15	819.15	22.36	952.46	1788.50	2.14	SF(Lo)
8300.00	8300.00	8291.50	354.02	829.15	829.15	22.76	942.26	1788.50	2.11	SF(Lo)
8400.00	8400.00	8391.50	354.02	839.15	839.15	23.16	932.06	1788.50	2.09	SF(Lo)
8500.00	8500.00	8491.50	354.02	849.15	849.15	23.57	921.86	1788.50	2.06	SF(Lo)
8600.00	8600.00	8591.50	354.02	859.15	859.15	23.98	911.66	1788.50	2.04	SF(Lo)
8700.00	8700.00	8691.50	354.02	869.15	869.15	24.40	901.46	1788.50	2.02	SF(Lo)
8800.00	8800.00	8791.50	354.02	879.15	879.15	24.83	891.26	1788.50	1.99	SF(Lo)
8900.00	8900.00	8891.50	354.02	889.15	889.15	25.26	881.06	1788.50	1.97	SF(Lo)
9000.00	9000.00	8991.50	354.02	899.15	899.15	25.69	870.86	1788.50	1.95	SF(Lo)
9100.00	9100.00	9091.50	354.02	909.15	909.15	26.14	860.66	1788.50	1.93	SF(Lo)
9200.00	9200.00	9191.50	354.02	919.15	919.15	26.59	850.46	1788.50	1.91	SF(Lo)
9300.00	9300.00	9291.50	354.02	929.15	929.15	27.04	840.26	1788.50	1.89	SF(Lo)
9400.00	9400.00	9391.50	354.02	939.15	939.15	27.50	830.06	1788.50	1.87	SF(Lo)
9500.00	9500.00	9491.50	354.02	949.15	949.15	27.96	819.87	1788.50	1.85	SF(Lo)
9600.00	9600.00	9591.50	354.02	959.15	959.15	28.44	809.67	1788.50	1.83	SF(Lo)
9700.00	9700.00	9691.50	354.02	969.15	969.15	28.91	799.47	1788.50	1.81	SF(Lo)
9800.00	9800.00	9791.50	354.02	979.15	979.15	29.40	789.27	1788.50	1.79	SF(Lo)
9900.00	9900.00	9891.50	354.02	989.15	989.15	29.89	779.07	1788.50	1.77	SF(Lo)
10000.00	10000.00	9991.50	354.02	999.15	999.15	30.38	768.87	1788.50	1.75	SF(Lo)
10100.00	10100.00	10091.50	354.02	1009.15	1009.15	30.88	758.67	1788.50	1.74	SF(Lo)
10200.00	10200.00	10191.50	354.02	1019.15	1019.15	31.39	748.47	1788.50	1.72	SF(Lo)
10300.00	10300.00	10291.50	354.02	1029.15	1029.15	31.90	738.27	1788.50	1.70	SF(Lo)
10400.00	10400.00	10391.50	354.02	1039.15	1039.15	32.42	728.07	1788.50	1.69	SF(Lo)
10500.00	10500.00	10491.50	354.02	1049.15	1049.15	32.94	717.87	1788.50	1.67	SF(Lo)
10600.00	10600.00	10591.50	354.02	1059.15	1059.15	33.47	707.67	1788.50	1.65	SF(Lo)
10700.00	10700.00	10691.50	354.02	1069.15	1069.15	34.01	697.47	1788.50	1.64	SF(Lo)
10800.00	10800.00	10791.50	354.02	1079.15	1079.15	34.55	687.27	1788.50	1.62	SF(Lo)
10900.00	10899.80	10891.30	353.15	1089.13	1089.13	35.10	672.40	1783.89	1.60	SF(Lo)

5D Anti-Collision Report

Secondary Well: Curry Fed #1 (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
11000.00	10997.39	10988.89	352.80	1098.89	1098.89	35.64	641.22	1762.78	1.57	SF(Lo)
11100.00	11089.79	11081.29	352.10	1108.13	1108.13	36.16	594.08	1725.16	1.53	SF(Lo)
11200.00	11174.21	11165.71	350.91	1116.57	1116.57	36.64	532.19	1672.22	1.47	SF(Med)
11300.00	11248.09	11239.59	348.93	1123.96	1123.96	37.06	457.66	1605.57	1.40	SF(Med)
11400.00	11309.17	11300.67	345.51	1130.07	1130.07	37.41	372.70	1527.27	1.32	SF(Med)
11500.00	11355.60	11347.10	338.98	1134.71	1134.71	37.68	279.99	1439.75	1.24	SF(Med)
11600.00	11385.97	11377.47	324.15	1137.75	1137.75	37.85	182.40	1345.71	1.16	SF(Med)
11700.00	11399.36	11390.86	285.36	1139.09	1139.09	37.93	83.01	1248.06	1.07	SF(Med)
11800.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-15.69	1149.64	0.99	SF(Hi)
11900.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-113.77	1051.50	0.90	SF(Hi)
12000.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-210.98	953.75	0.82	SF(Hi)
12100.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-307.00	856.52	0.74	SF(Hi)
12200.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-402.04	760.01	0.65	SF(Hi)
12300.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-500.66	664.53	0.57	SF(Hi)
12400.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-595.87	570.60	0.49	SF(Hi)
12500.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-684.49	479.13	0.41	SF(Hi)
12600.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-776.43	391.86	0.34	SF(Hi)
12700.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-858.52	312.31	0.27	SF(Hi)
12800.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-926.43	248.05	0.21	SF(Hi)
12900.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-966.07	213.34	0.18	SF(Hi)
13000.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-956.45	222.48	0.19	SF(Hi)
13100.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-904.93	271.08	0.23	SF(Hi)
13200.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-830.63	342.74	0.29	SF(Hi)
13300.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-745.47	425.98	0.36	SF(Hi)
13400.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-650.58	515.21	0.44	SF(Hi)
13500.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-561.15	607.81	0.52	SF(Hi)
13600.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-465.54	702.44	0.60	SF(Hi)
13700.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-367.10	798.37	0.69	SF(Hi)
13800.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-269.10	895.20	0.77	SF(Hi)
13900.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-173.20	992.66	0.85	SF(Hi)
14000.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	-76.11	1090.58	0.93	SF(Hi)
14100.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	21.79	1188.84	1.02	SF(Med)
14200.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	120.31	1287.37	1.10	SF(Med)
14300.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	219.16	1386.12	1.19	SF(Med)
14400.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	318.25	1485.03	1.27	SF(Med)
14500.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	417.54	1584.07	1.36	SF(Med)
14600.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	517.00	1683.23	1.44	SF(Med)
14700.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	616.59	1782.49	1.53	SF(Lo)
14800.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	716.26	1881.82	1.61	SF(Lo)
14900.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	816.01	1981.22	1.70	SF(Lo)
15000.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	915.80	2080.68	1.79	SF(Lo)
15100.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1015.64	2180.19	1.87	SF(Lo)
15200.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1115.52	2279.74	1.96	SF(Lo)
15300.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1215.42	2379.32	2.04	SF(Lo)
15400.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1315.33	2478.94	2.13	SF(Lo)
15500.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1415.27	2578.60	2.22	SF(Lo)
15600.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1515.19	2678.27	2.30	SF(Lo)
15700.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1615.11	2777.97	2.39	SF(Lo)
15800.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1715.05	2877.69	2.48	SF(Lo)
15900.00	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1814.56	2977.43	2.56	
15905.95	11400.00	11391.50	270.00	1139.15	1139.15	37.93	1820.48	2983.37	2.57	
Secondary Well: Curry State#4 (Active) (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	23.50	0.00	356.34	0.00	0.00	0.00	3105.08	3105.72	4856.06	
100.00	100.00	76.50	356.34	7.65	7.65	2.12	3097.25	3105.63	370.46	
200.00	200.00	176.50	356.34	17.65	17.65	4.61	3087.05	3105.63	167.10	
300.00	300.00	276.50	356.34	27.65	27.65	4.65	3076.84	3105.63	107.87	

5D Anti-Collision Report

Secondary Well: Curry State#4 (Active) (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
400.00	400.00	376.50	356.34	37.65	37.65	4.69	3066.64	3105.63	79.64	
500.00	500.00	476.50	356.34	47.65	47.65	4.74	3056.44	3105.63	63.13	
600.00	600.00	576.50	356.34	57.65	57.65	4.80	3046.23	3105.63	52.28	
700.00	700.00	676.50	356.34	67.65	67.65	4.87	3036.03	3105.63	44.62	
800.00	800.00	776.50	356.34	77.65	77.65	4.95	3025.82	3105.63	38.91	
900.00	900.00	876.50	356.34	87.65	87.65	5.04	3015.62	3105.63	34.50	
1000.00	1000.00	976.50	356.34	97.65	97.65	5.14	3005.42	3105.63	30.99	
1100.00	1100.00	1076.50	356.34	107.65	107.65	5.25	2995.21	3105.63	28.13	
1200.00	1200.00	1176.50	356.34	117.65	117.65	5.36	2985.01	3105.63	25.75	
1300.00	1300.00	1276.50	356.34	127.65	127.65	5.48	2974.81	3105.63	23.74	
1400.00	1400.00	1376.50	356.34	137.65	137.65	5.60	2964.60	3105.63	22.02	
1500.00	1500.00	1476.50	356.34	147.65	147.65	5.73	2954.40	3105.63	20.53	
1600.00	1600.00	1576.50	356.34	157.65	157.65	5.86	2944.19	3105.63	19.24	
1700.00	1700.00	1676.50	356.34	167.65	167.65	6.00	2933.99	3105.63	18.09	
1800.00	1800.00	1776.50	356.34	177.65	177.65	6.14	2923.79	3105.63	17.08	
1900.00	1900.00	1876.50	356.34	187.65	187.65	6.29	2913.58	3105.63	16.17	
2000.00	2000.00	1976.50	356.34	197.65	197.65	6.44	2903.38	3105.63	15.35	
2100.00	2100.00	2076.50	356.34	207.65	207.65	6.59	2893.17	3105.63	14.62	
2200.00	2200.00	2176.50	356.34	217.65	217.65	6.75	2882.97	3105.63	13.95	
2300.00	2300.00	2276.50	356.34	227.65	227.65	6.91	2872.77	3105.63	13.34	
2400.00	2400.00	2376.50	356.34	237.65	237.65	7.07	2862.56	3105.63	12.78	
2500.00	2500.00	2476.50	356.34	247.65	247.65	7.24	2852.36	3105.63	12.26	
2600.00	2600.00	2576.50	356.34	257.65	257.65	7.41	2842.15	3105.63	11.79	
2700.00	2700.00	2676.50	356.34	267.65	267.65	7.58	2831.95	3105.63	11.35	
2800.00	2800.00	2776.50	356.34	277.65	277.65	7.75	2821.75	3105.63	10.94	
2900.00	2900.00	2876.50	356.34	287.65	287.65	7.93	2811.54	3105.63	10.56	
3000.00	3000.00	2976.50	356.34	297.65	297.65	8.11	2801.34	3105.63	10.21	
3100.00	3100.00	3076.50	356.34	307.65	307.65	8.29	2791.13	3105.63	9.87	
3200.00	3200.00	3176.50	356.34	317.65	317.65	8.47	2780.93	3105.63	9.56	
3300.00	3300.00	3276.50	356.34	327.65	327.65	8.66	2770.73	3105.63	9.27	
3400.00	3400.00	3376.50	356.34	337.65	337.65	8.85	2760.52	3105.63	9.00	
3500.00	3500.00	3476.50	356.34	347.65	347.65	9.04	2750.32	3105.63	8.74	
3600.00	3600.00	3576.50	356.34	357.65	357.65	9.24	2740.11	3105.63	8.50	
3700.00	3700.00	3676.50	356.34	367.65	367.65	9.43	2729.91	3105.63	8.27	
3800.00	3800.00	3776.50	356.34	377.65	377.65	9.64	2719.71	3105.63	8.05	
3900.00	3900.00	3876.50	356.34	387.65	387.65	9.84	2709.50	3105.63	7.84	
4000.00	4000.00	3976.50	356.34	397.65	397.65	10.05	2699.30	3105.63	7.64	
4100.00	4100.00	4076.50	356.34	407.65	407.65	10.26	2689.09	3105.63	7.46	
4200.00	4200.00	4176.50	356.34	417.65	417.65	10.47	2678.89	3105.63	7.28	
4300.00	4300.00	4276.50	356.34	427.65	427.65	10.69	2668.69	3105.63	7.11	
4400.00	4400.00	4376.50	356.34	437.65	437.65	10.90	2658.48	3105.63	6.95	
4500.00	4500.00	4476.50	356.34	447.65	447.65	11.13	2648.28	3105.63	6.79	
4600.00	4600.00	4576.50	356.34	457.65	457.65	11.35	2638.08	3105.63	6.64	
4700.00	4700.00	4676.50	356.34	467.65	467.65	11.58	2627.87	3105.63	6.50	
4800.00	4800.00	4776.50	356.34	477.65	477.65	11.82	2617.67	3105.63	6.36	
4900.00	4900.00	4876.50	356.34	487.65	487.65	12.05	2607.46	3105.63	6.23	
5000.00	5000.00	4976.50	356.34	497.65	497.65	12.29	2597.26	3105.63	6.11	
5100.00	5100.00	5076.50	356.34	507.65	507.65	12.54	2587.06	3105.63	5.99	
5200.00	5200.00	5176.50	356.34	517.65	517.65	12.78	2576.85	3105.63	5.87	
5300.00	5300.00	5276.50	356.34	527.65	527.65	13.04	2566.65	3105.63	5.76	
5400.00	5400.00	5376.50	356.34	537.65	537.65	13.29	2556.44	3105.63	5.65	
5500.00	5500.00	5476.50	356.34	547.65	547.65	13.55	2546.24	3105.63	5.55	
5600.00	5600.00	5576.50	356.34	557.65	557.65	13.81	2536.04	3105.63	5.45	
5700.00	5700.00	5676.50	356.34	567.65	567.65	14.08	2525.83	3105.63	5.36	
5800.00	5800.00	5776.50	356.34	577.65	577.65	14.35	2515.63	3105.63	5.26	
5900.00	5900.00	5876.50	356.34	587.65	587.65	14.63	2505.42	3105.63	5.17	
6000.00	6000.00	5976.50	356.34	597.65	597.65	14.91	2495.22	3105.63	5.09	
6100.00	6100.00	6076.50	356.34	607.65	607.65	15.20	2485.02	3105.63	5.00	

5D Anti-Collision Report

Secondary Well: Curry State#4 (Active) (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
6200.00	6200.00	6176.50	356.34	617.65	617.65	15.49	2474.81	3105.63	4.92	
6300.00	6300.00	6276.50	356.34	627.65	627.65	15.78	2464.61	3105.63	4.84	
6400.00	6400.00	6376.50	356.34	637.65	637.65	16.08	2454.40	3105.63	4.77	
6500.00	6500.00	6476.50	356.34	647.65	647.65	16.38	2444.20	3105.63	4.70	
6600.00	6600.00	6576.50	356.34	657.65	657.65	16.69	2434.00	3105.63	4.62	
6700.00	6700.00	6676.50	356.34	667.65	667.65	17.01	2423.79	3105.63	4.55	
6800.00	6800.00	6776.50	356.34	677.65	677.65	17.32	2413.59	3105.63	4.49	
6900.00	6900.00	6876.50	356.34	687.65	687.65	17.65	2403.38	3105.63	4.42	
7000.00	7000.00	6976.50	356.34	697.65	697.65	17.98	2393.18	3105.63	4.36	
7100.00	7100.00	7076.50	356.34	707.65	707.65	18.31	2382.98	3105.63	4.30	
7200.00	7200.00	7176.50	356.34	717.65	717.65	18.65	2372.77	3105.63	4.24	
7300.00	7300.00	7276.50	356.34	727.65	727.65	18.99	2362.57	3105.63	4.18	
7400.00	7400.00	7376.50	356.34	737.65	737.65	19.34	2352.37	3105.63	4.12	
7500.00	7500.00	7476.50	356.34	747.65	747.65	19.69	2342.16	3105.63	4.07	
7600.00	7600.00	7576.50	356.34	757.65	757.65	20.05	2331.96	3105.63	4.01	
7700.00	7700.00	7676.50	356.34	767.65	767.65	20.42	2321.75	3105.63	3.96	
7800.00	7800.00	7776.50	356.34	777.65	777.65	20.79	2311.55	3105.63	3.91	
7900.00	7900.00	7876.50	356.34	787.65	787.65	21.16	2301.35	3105.63	3.86	
8000.00	8000.00	7976.50	356.34	797.65	797.65	21.54	2291.14	3105.63	3.81	
8100.00	8100.00	8076.50	356.34	807.65	807.65	21.93	2280.94	3105.63	3.77	
8200.00	8200.00	8176.50	356.34	817.65	817.65	22.32	2270.73	3105.63	3.72	
8300.00	8300.00	8276.50	356.34	827.65	827.65	22.72	2260.53	3105.63	3.67	
8400.00	8400.00	8376.50	356.34	837.65	837.65	23.12	2250.33	3105.63	3.63	
8500.00	8500.00	8476.50	356.34	847.65	847.65	23.53	2240.12	3105.63	3.59	
8600.00	8600.00	8576.50	356.34	857.65	857.65	23.94	2229.92	3105.63	3.55	
8700.00	8700.00	8676.50	356.34	867.65	867.65	24.36	2219.71	3105.63	3.51	
8800.00	8800.00	8776.50	356.34	877.65	877.65	24.79	2209.51	3105.63	3.47	
8900.00	8900.00	8876.50	356.34	887.65	887.65	25.22	2199.31	3105.63	3.43	
9000.00	9000.00	8976.50	356.34	897.65	897.65	25.65	2189.10	3105.63	3.39	
9100.00	9100.00	9076.50	356.34	907.65	907.65	26.10	2178.90	3105.63	3.35	
9200.00	9200.00	9176.50	356.34	917.65	917.65	26.54	2168.69	3105.63	3.31	
9300.00	9300.00	9276.50	356.34	927.65	927.65	27.00	2158.49	3105.63	3.28	
9400.00	9400.00	9376.50	356.34	937.65	937.65	27.46	2148.29	3105.63	3.24	
9500.00	9500.00	9476.50	356.34	947.65	947.65	27.92	2138.08	3105.63	3.21	
9600.00	9600.00	9576.50	356.34	957.65	957.65	28.39	2127.88	3105.63	3.18	
9700.00	9700.00	9676.50	356.34	967.65	967.65	28.87	2117.67	3105.63	3.14	
9800.00	9800.00	9776.50	356.34	977.65	977.65	29.35	2107.47	3105.63	3.11	
9900.00	9900.00	9876.50	356.34	987.65	987.65	29.84	2097.27	3105.63	3.08	
10000.00	10000.00	9976.50	356.34	997.65	997.65	30.34	2087.06	3105.63	3.05	
10100.00	10100.00	10076.50	356.34	1007.65	1007.65	30.84	2076.86	3105.63	3.02	
10200.00	10200.00	10176.50	356.34	1017.65	1017.65	31.34	2066.66	3105.63	2.99	
10300.00	10300.00	10276.50	356.34	1027.65	1027.65	31.86	2056.45	3105.63	2.96	
10400.00	10400.00	10376.50	356.34	1037.65	1037.65	32.37	2046.25	3105.63	2.93	
10500.00	10500.00	10476.50	356.34	1047.65	1047.65	32.90	2036.04	3105.63	2.90	
10600.00	10600.00	10576.50	356.34	1057.65	1057.65	33.43	2025.84	3105.63	2.88	
10700.00	10700.00	10676.50	356.34	1067.65	1067.65	33.96	2015.64	3105.63	2.85	
10800.00	10800.00	10776.50	356.34	1077.65	1077.65	34.51	2005.43	3105.63	2.82	
10900.00	10899.80	10876.30	355.49	1087.63	1087.63	35.05	1990.61	3101.01	2.79	
11000.00	10997.39	10973.89	355.28	1097.39	1097.39	35.59	1959.48	3079.81	2.75	
11100.00	11089.79	11066.29	354.87	1106.63	1106.63	36.11	1912.35	3042.03	2.69	
11200.00	11174.21	11150.71	354.17	1115.07	1115.07	36.59	1850.63	2988.84	2.63	
11300.00	11248.09	11224.59	353.02	1122.46	1122.46	37.01	1776.31	2921.86	2.55	
11400.00	11309.17	11285.67	351.02	1128.57	1128.57	37.36	1691.56	2843.12	2.47	SF(Lo)
11500.00	11355.60	11332.10	347.14	1133.21	1133.21	37.63	1598.97	2755.03	2.38	SF(Lo)
11600.00	11385.97	11362.47	337.46	1136.25	1136.25	37.80	1501.37	2660.26	2.30	SF(Lo)
11700.00	11399.36	11375.86	296.45	1137.59	1137.59	37.88	1401.75	2561.72	2.21	SF(Lo)
11800.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	1302.49	2462.19	2.12	SF(Lo)
11900.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	1203.13	2362.70	2.04	SF(Lo)

5D Anti-Collision Report

Secondary Well: Curry State#4 (Active) (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
12000.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	1103.21	2263.24	1.95	SF(Lo)
12100.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	1003.32	2163.84	1.86	SF(Lo)
12200.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	903.48	2064.50	1.78	SF(Lo)
12300.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	803.69	1965.22	1.69	SF(Lo)
12400.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	703.98	1866.02	1.61	SF(Lo)
12500.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	604.36	1766.91	1.52	SF(Lo)
12600.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	504.86	1667.91	1.43	SF(Med)
12700.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	405.52	1569.03	1.35	SF(Med)
12800.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	306.39	1470.31	1.26	SF(Med)
12900.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	207.42	1371.77	1.18	SF(Med)
13000.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	108.76	1273.46	1.09	SF(Med)
13100.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	10.63	1175.43	1.01	SF(Med)
13200.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-86.75	1077.76	0.93	SF(Hi)
13300.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-183.06	980.57	0.84	SF(Hi)
13400.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-278.09	884.00	0.76	SF(Hi)
13500.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-377.37	788.29	0.68	SF(Hi)
13600.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-474.49	693.79	0.59	SF(Hi)
13700.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-567.60	601.07	0.51	SF(Hi)
13800.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-660.43	511.10	0.44	SF(Hi)
13900.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-748.41	425.64	0.36	SF(Hi)
14000.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-832.54	348.01	0.29	SF(Hi)
14100.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-903.99	284.70	0.24	SF(Hi)
14200.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-949.42	246.97	0.21	SF(Hi)
14300.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-952.00	246.86	0.21	SF(Hi)
14400.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-909.17	284.39	0.24	SF(Hi)
14500.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-835.28	347.59	0.29	SF(Hi)
14600.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-752.96	425.16	0.36	SF(Hi)
14700.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-666.94	510.59	0.43	SF(Hi)
14800.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-570.97	600.54	0.51	SF(Hi)
14900.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-479.55	693.25	0.59	SF(Hi)
15000.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-383.67	787.74	0.67	SF(Hi)
15100.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-285.33	883.44	0.76	SF(Hi)
15200.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-185.63	980.01	0.84	SF(Hi)
15300.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	-89.49	1077.20	0.92	SF(Hi)
15400.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	7.38	1174.86	1.01	SF(Med)
15500.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	105.05	1272.89	1.09	SF(Med)
15600.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	203.30	1371.20	1.17	SF(Med)
15700.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	301.96	1469.74	1.26	SF(Med)
15800.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	400.92	1568.46	1.34	SF(Med)
15900.00	11400.00	11376.50	270.00	1137.65	1137.65	37.88	500.11	1667.34	1.43	SF(Med)
15905.95	11400.00	11376.50	270.00	1137.65	1137.65	37.88	506.02	1673.23	1.43	SF(Med)

Secondary Well: Curry Fed #2 (Active) (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	0.00	50.50	278.38	5.05	5.05	1.40	2991.37	2997.05	527.01	
100.00	100.00	150.50	278.38	15.05	15.05	4.16	2981.26	2997.05	189.78	
200.00	200.00	250.50	278.38	25.05	25.05	4.64	2971.04	2997.05	115.22	
300.00	300.00	350.50	278.38	35.05	35.05	4.67	2960.82	2997.05	82.72	
400.00	400.00	450.50	278.38	45.05	45.05	4.72	2950.60	2997.05	64.52	
500.00	500.00	550.50	278.38	55.05	55.05	4.78	2940.38	2997.05	52.88	
600.00	600.00	650.50	278.38	65.05	65.05	4.85	2930.16	2997.05	44.80	
700.00	700.00	750.50	278.38	75.05	75.05	4.93	2919.94	2997.05	38.86	
800.00	800.00	850.50	278.38	85.05	85.05	5.02	2909.72	2997.05	34.32	
900.00	900.00	950.50	278.38	95.05	95.05	5.12	2899.50	2997.05	30.72	
1000.00	1000.00	1050.50	278.38	105.05	105.05	5.22	2889.28	2997.05	27.81	
1100.00	1100.00	1150.50	278.38	115.05	115.05	5.33	2879.06	2997.05	25.40	
1200.00	1200.00	1250.50	278.38	125.05	125.05	5.45	2868.84	2997.05	23.37	
1300.00	1300.00	1350.50	278.38	135.05	135.05	5.57	2858.61	2997.05	21.65	

5D Anti-Collision Report

Secondary Well: Curry Fed #2 (Active) (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	1400.00	1450.50	278.38	145.05	145.05	5.70	2848.39	2997.05	20.16	
1500.00	1500.00	1550.50	278.38	155.05	155.05	5.83	2838.17	2997.05	18.86	
1600.00	1600.00	1650.50	278.38	165.05	165.05	5.97	2827.95	2997.05	17.72	
1700.00	1700.00	1750.50	278.38	175.05	175.05	6.11	2817.73	2997.05	16.71	
1800.00	1800.00	1850.50	278.38	185.05	185.05	6.26	2807.51	2997.05	15.81	
1900.00	1900.00	1950.50	278.38	195.05	195.05	6.40	2797.29	2997.05	15.00	
2000.00	2000.00	2050.50	278.38	205.05	205.05	6.56	2787.07	2997.05	14.27	
2100.00	2100.00	2150.50	278.38	215.05	215.05	6.71	2776.85	2997.05	13.61	
2200.00	2200.00	2250.50	278.38	225.05	225.05	6.87	2766.63	2997.05	13.01	
2300.00	2300.00	2350.50	278.38	235.05	235.05	7.03	2756.41	2997.05	12.45	
2400.00	2400.00	2450.50	278.38	245.05	245.05	7.20	2746.19	2997.05	11.95	
2500.00	2500.00	2550.50	278.38	255.05	255.05	7.37	2735.97	2997.05	11.48	
2600.00	2600.00	2650.50	278.38	265.05	265.05	7.54	2725.75	2997.05	11.05	
2700.00	2700.00	2750.50	278.38	275.05	275.05	7.71	2715.53	2997.05	10.65	
2800.00	2800.00	2850.50	278.38	285.05	285.05	7.88	2705.30	2997.05	10.27	
2900.00	2900.00	2950.50	278.38	295.05	295.05	8.06	2695.08	2997.05	9.92	
3000.00	3000.00	3050.50	278.38	305.05	305.05	8.24	2684.86	2997.05	9.60	
3100.00	3100.00	3150.50	278.38	315.05	315.05	8.43	2674.64	2997.05	9.30	
3200.00	3200.00	3250.50	278.38	325.05	325.05	8.61	2664.42	2997.05	9.01	
3300.00	3300.00	3350.50	278.38	335.05	335.05	8.80	2654.20	2997.05	8.74	
3400.00	3400.00	3450.50	278.38	345.05	345.05	8.99	2643.98	2997.05	8.49	
3500.00	3500.00	3550.50	278.38	355.05	355.05	9.19	2633.76	2997.05	8.25	
3600.00	3600.00	3650.50	278.38	365.05	365.05	9.38	2623.54	2997.05	8.02	
3700.00	3700.00	3750.50	278.38	375.05	375.05	9.58	2613.32	2997.05	7.81	
3800.00	3800.00	3850.50	278.38	385.05	385.05	9.78	2603.10	2997.05	7.61	
3900.00	3900.00	3950.50	278.38	395.05	395.05	9.99	2592.88	2997.05	7.42	
4000.00	4000.00	4050.50	278.38	405.05	405.05	10.20	2582.66	2997.05	7.23	
4100.00	4100.00	4150.50	278.38	415.05	415.05	10.41	2572.44	2997.05	7.06	
4200.00	4200.00	4250.50	278.38	425.05	425.05	10.62	2562.21	2997.05	6.89	
4300.00	4300.00	4350.50	278.38	435.05	435.05	10.84	2551.99	2997.05	6.73	
4400.00	4400.00	4450.50	278.38	445.05	445.05	11.06	2541.77	2997.05	6.58	
4500.00	4500.00	4550.50	278.38	455.05	455.05	11.28	2531.55	2997.05	6.44	
4600.00	4600.00	4650.50	278.38	465.05	465.05	11.51	2521.33	2997.05	6.30	
4700.00	4700.00	4750.50	278.38	475.05	475.05	11.74	2511.11	2997.05	6.17	
4800.00	4800.00	4850.50	278.38	485.05	485.05	11.97	2500.89	2997.05	6.04	
4900.00	4900.00	4950.50	278.38	495.05	495.05	12.21	2490.67	2997.05	5.92	
5000.00	5000.00	5050.50	278.38	505.05	505.05	12.45	2480.45	2997.05	5.80	
5100.00	5100.00	5150.50	278.38	515.05	515.05	12.69	2470.23	2997.05	5.69	
5200.00	5200.00	5250.50	278.38	525.05	525.05	12.94	2460.01	2997.05	5.58	
5300.00	5300.00	5350.50	278.38	535.05	535.05	13.19	2449.79	2997.05	5.48	
5400.00	5400.00	5450.50	278.38	545.05	545.05	13.45	2439.57	2997.05	5.38	
5500.00	5500.00	5550.50	278.38	555.05	555.05	13.71	2429.35	2997.05	5.28	
5600.00	5600.00	5650.50	278.38	565.05	565.05	13.98	2419.13	2997.05	5.19	
5700.00	5700.00	5750.50	278.38	575.05	575.05	14.25	2408.90	2997.05	5.10	
5800.00	5800.00	5850.50	278.38	585.05	585.05	14.52	2398.68	2997.05	5.01	
5900.00	5900.00	5950.50	278.38	595.05	595.05	14.80	2388.46	2997.05	4.92	
6000.00	6000.00	6050.50	278.38	605.05	605.05	15.08	2378.24	2997.05	4.84	
6100.00	6100.00	6150.50	278.38	615.05	615.05	15.36	2368.02	2997.05	4.76	
6200.00	6200.00	6250.50	278.38	625.05	625.05	15.66	2357.80	2997.05	4.69	
6300.00	6300.00	6350.50	278.38	635.05	635.05	15.95	2347.58	2997.05	4.61	
6400.00	6400.00	6450.50	278.38	645.05	645.05	16.25	2337.36	2997.05	4.54	
6500.00	6500.00	6550.50	278.38	655.05	655.05	16.56	2327.14	2997.05	4.47	
6600.00	6600.00	6650.50	278.38	665.05	665.05	16.87	2316.92	2997.05	4.41	
6700.00	6700.00	6750.50	278.38	675.05	675.05	17.18	2306.70	2997.05	4.34	
6800.00	6800.00	6850.50	278.38	685.05	685.05	17.50	2296.48	2997.05	4.28	
6900.00	6900.00	6950.50	278.38	695.05	695.05	17.82	2286.26	2997.05	4.22	
7000.00	7000.00	7050.50	278.38	705.05	705.05	18.15	2276.04	2997.05	4.16	
7100.00	7100.00	7150.50	278.38	715.05	715.05	18.49	2265.81	2997.05	4.10	

5D Anti-Collision Report

Secondary Well: Curry Fed #2 (Active) (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	7200.00	7250.50	278.38	725.05	725.05	18.83	2255.59	2997.05	4.04	
7300.00	7300.00	7350.50	278.38	735.05	735.05	19.17	2245.37	2997.05	3.99	
7400.00	7400.00	7450.50	278.38	745.05	745.05	19.52	2235.15	2997.05	3.93	
7500.00	7500.00	7550.50	278.38	755.05	755.05	19.88	2224.93	2997.05	3.88	
7600.00	7600.00	7650.50	278.38	765.05	765.05	20.24	2214.71	2997.05	3.83	
7700.00	7700.00	7750.50	278.38	775.05	775.05	20.60	2204.49	2997.05	3.78	
7800.00	7800.00	7850.50	278.38	785.05	785.05	20.97	2194.27	2997.05	3.73	
7900.00	7900.00	7950.50	278.38	795.05	795.05	21.35	2184.05	2997.05	3.69	
8000.00	8000.00	8050.50	278.38	805.05	805.05	21.73	2173.83	2997.05	3.64	
8100.00	8100.00	8150.50	278.38	815.05	815.05	22.12	2163.61	2997.05	3.60	
8200.00	8200.00	8250.50	278.38	825.05	825.05	22.51	2153.39	2997.05	3.55	
8300.00	8300.00	8350.50	278.38	835.05	835.05	22.91	2143.17	2997.05	3.51	
8400.00	8400.00	8450.50	278.38	845.05	845.05	23.32	2132.95	2997.05	3.47	
8500.00	8500.00	8550.50	278.38	855.05	855.05	23.73	2122.73	2997.05	3.43	
8600.00	8600.00	8650.50	278.38	865.05	865.05	24.14	2112.50	2997.05	3.39	
8700.00	8700.00	8750.50	278.38	875.05	875.05	24.56	2102.28	2997.05	3.35	
8800.00	8800.00	8850.50	278.38	885.05	885.05	24.99	2092.06	2997.05	3.31	
8900.00	8900.00	8950.50	278.38	895.05	895.05	25.42	2081.84	2997.05	3.27	
9000.00	9000.00	9050.50	278.38	905.05	905.05	25.86	2071.62	2997.05	3.24	
9100.00	9100.00	9150.50	278.38	915.05	915.05	26.30	2061.40	2997.05	3.20	
9200.00	9200.00	9250.50	278.38	925.05	925.05	26.75	2051.18	2997.05	3.17	
9300.00	9300.00	9350.50	278.38	935.05	935.05	27.21	2040.96	2997.05	3.13	
9400.00	9400.00	9450.50	278.38	945.05	945.05	27.67	2030.74	2997.05	3.10	
9500.00	9500.00	9550.50	278.38	955.05	955.05	28.13	2020.52	2997.05	3.07	
9600.00	9600.00	9650.50	278.38	965.05	965.05	28.61	2010.30	2997.05	3.04	
9700.00	9700.00	9750.50	278.38	975.05	975.05	29.09	2000.08	2997.05	3.01	
9800.00	9800.00	9850.50	278.38	985.05	985.05	29.57	1989.86	2997.05	2.98	
9900.00	9900.00	9950.50	278.38	995.05	995.05	30.06	1979.64	2997.05	2.95	
10000.00	10000.00	10050.50	278.38	1005.05	1005.05	30.56	1969.41	2997.05	2.92	
10100.00	10100.00	10150.50	278.38	1015.05	1015.05	31.06	1959.19	2997.05	2.89	
10200.00	10200.00	10250.50	278.38	1025.05	1025.05	31.57	1948.97	2997.05	2.86	
10300.00	10300.00	10350.50	278.38	1035.05	1035.05	32.08	1938.75	2997.05	2.83	
10400.00	10400.00	10450.50	278.38	1045.05	1045.05	32.60	1928.53	2997.05	2.80	
10500.00	10500.00	10550.50	278.38	1055.05	1055.05	33.13	1918.31	2997.05	2.78	
10600.00	10600.00	10650.50	278.38	1065.05	1065.05	33.66	1908.09	2997.05	2.75	
10700.00	10700.00	10750.50	278.38	1075.05	1075.05	34.20	1897.87	2997.05	2.73	
10800.00	10800.00	10850.50	278.38	1085.05	1085.05	34.74	1887.65	2997.05	2.70	
10900.00	10899.80	10950.30	277.42	1095.03	1095.03	35.29	1876.97	2996.45	2.68	
11000.00	10997.39	11047.89	276.76	1104.79	1104.79	35.83	1864.54	2993.75	2.65	
11100.00	11089.79	11140.29	275.66	1114.03	1114.03	36.35	1851.22	2989.32	2.63	
11200.00	11174.21	11224.71	274.25	1122.47	1122.47	36.83	1838.27	2983.88	2.60	
11300.00	11248.09	11298.59	272.75	1129.86	1129.86	37.25	1826.74	2978.37	2.59	
11400.00	11309.17	11359.67	271.37	1135.97	1135.97	37.60	1813.57	2973.83	2.56	
11500.00	11355.60	11406.10	270.32	1140.61	1140.61	37.87	1804.43	2971.23	2.55	
11600.00	11385.97	11436.47	269.78	1143.65	1143.65	38.05	1800.58	2971.37	2.54	
11700.00	11399.36	11449.86	269.86	1144.99	1144.99	38.12	1802.84	2974.75	2.54	
11800.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1810.97	2981.50	2.55	
11900.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1820.33	2991.57	2.55	
12000.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1830.79	3004.95	2.56	
12100.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1845.71	3021.57	2.57	
12200.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1865.01	3041.39	2.59	
12300.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1888.59	3064.35	2.61	
12400.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1915.72	3090.38	2.63	
12500.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1941.35	3119.40	2.65	
12600.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	1970.99	3151.32	2.67	
12700.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2004.48	3186.07	2.70	
12800.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2041.64	3223.54	2.73	
12900.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2082.36	3263.65	2.76	

5D Anti-Collision Report

Secondary Well: Curry Fed #2 (Active) (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
13000.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2125.70	3306.30	2.80	
13100.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2167.73	3351.39	2.83	
13200.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2212.98	3398.82	2.87	
13300.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2261.32	3448.50	2.90	
13400.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2312.54	3500.34	2.95	
13500.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2366.41	3554.23	2.99	
13600.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2422.94	3610.09	3.04	
13700.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2481.77	3667.82	3.09	
13800.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2538.63	3727.35	3.14	
13900.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2597.79	3788.58	3.18	
14000.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2659.22	3851.43	3.23	
14100.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2722.75	3915.83	3.28	
14200.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2788.22	3981.69	3.34	
14300.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2855.50	4048.96	3.39	
14400.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2924.49	4117.56	3.45	
14500.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	2995.08	4187.42	3.51	
14600.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3067.14	4258.48	3.57	
14700.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3137.56	4330.69	3.63	
14800.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3209.28	4403.98	3.69	
14900.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3282.35	4478.31	3.74	
15000.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3356.70	4553.62	3.80	
15100.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3432.25	4629.86	3.87	
15200.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3508.95	4706.99	3.93	
15300.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3586.71	4784.97	3.99	
15400.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3665.48	4863.76	4.06	
15500.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3745.21	4943.32	4.13	
15600.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3825.83	5023.60	4.19	
15700.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3907.29	5104.58	4.26	
15800.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	3989.56	5186.23	4.33	
15900.00	11400.00	11450.50	270.00	1145.05	1145.05	38.13	4072.58	5268.50	4.41	
15905.95	11400.00	11450.50	270.00	1145.05	1145.05	38.13	4077.55	5273.42	4.41	

Secondary Well: Keller 22 Fed #1 (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	0.00	22.50	293.26	2.25	2.25	0.63	1837.42	1840.30	637.75	
100.00	100.00	122.50	293.26	12.25	12.25	3.39	1827.33	1840.30	141.80	
200.00	200.00	222.50	293.26	22.25	22.25	4.63	1817.12	1840.30	79.37	
300.00	300.00	322.50	293.26	32.25	32.25	4.66	1806.91	1840.30	55.11	
400.00	400.00	422.50	293.26	42.25	42.25	4.71	1796.70	1840.30	42.21	
500.00	500.00	522.50	293.26	52.25	52.25	4.76	1786.49	1840.30	34.20	
600.00	600.00	622.50	293.26	62.25	62.25	4.83	1776.29	1840.30	28.75	
700.00	700.00	722.50	293.26	72.25	72.25	4.91	1766.08	1840.30	24.79	
800.00	800.00	822.50	293.26	82.25	82.25	4.99	1755.87	1840.30	21.80	
900.00	900.00	922.50	293.26	92.25	92.25	5.09	1745.66	1840.30	19.44	
1000.00	1000.00	1022.50	293.26	102.25	102.25	5.19	1735.45	1840.30	17.55	
1100.00	1100.00	1122.50	293.26	112.25	112.25	5.30	1725.24	1840.30	15.99	
1200.00	1200.00	1222.50	293.26	122.25	122.25	5.41	1715.04	1840.30	14.69	
1300.00	1300.00	1322.50	293.26	132.25	132.25	5.53	1704.83	1840.30	13.58	
1400.00	1400.00	1422.50	293.26	142.25	142.25	5.66	1694.62	1840.30	12.63	
1500.00	1500.00	1522.50	293.26	152.25	152.25	5.79	1684.41	1840.30	11.80	
1600.00	1600.00	1622.50	293.26	162.25	162.25	5.93	1674.20	1840.30	11.08	
1700.00	1700.00	1722.50	293.26	172.25	172.25	6.07	1663.99	1840.30	10.44	
1800.00	1800.00	1822.50	293.26	182.25	182.25	6.21	1653.79	1840.30	9.87	
1900.00	1900.00	1922.50	293.26	192.25	192.25	6.36	1643.58	1840.30	9.35	
2000.00	2000.00	2022.50	293.26	202.25	202.25	6.51	1633.37	1840.30	8.89	
2100.00	2100.00	2122.50	293.26	212.25	212.25	6.67	1623.16	1840.30	8.48	
2200.00	2200.00	2222.50	293.26	222.25	222.25	6.83	1612.95	1840.30	8.09	
2300.00	2300.00	2322.50	293.26	232.25	232.25	6.99	1602.75	1840.30	7.75	

5D Anti-Collision Report

Secondary Well: Keller 22 Fed #1 (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
2400.00	2400.00	2422.50	293.26	242.25	242.25	7.15	1592.54	1840.30	7.43	
2500.00	2500.00	2522.50	293.26	252.25	252.25	7.32	1582.33	1840.30	7.13	
2600.00	2600.00	2622.50	293.26	262.25	262.25	7.49	1572.12	1840.30	6.86	
2700.00	2700.00	2722.50	293.26	272.25	272.25	7.66	1561.91	1840.30	6.61	
2800.00	2800.00	2822.50	293.26	282.25	282.25	7.83	1551.70	1840.30	6.38	
2900.00	2900.00	2922.50	293.26	292.25	292.25	8.01	1541.50	1840.30	6.16	
3000.00	3000.00	3022.50	293.26	302.25	302.25	8.19	1531.29	1840.30	5.96	
3100.00	3100.00	3122.50	293.26	312.25	312.25	8.37	1521.08	1840.30	5.76	
3200.00	3200.00	3222.50	293.26	322.25	322.25	8.56	1510.87	1840.30	5.59	
3300.00	3300.00	3322.50	293.26	332.25	332.25	8.75	1500.66	1840.30	5.42	
3400.00	3400.00	3422.50	293.26	342.25	342.25	8.94	1490.46	1840.30	5.26	
3500.00	3500.00	3522.50	293.26	352.25	352.25	9.13	1480.25	1840.30	5.11	
3600.00	3600.00	3622.50	293.26	362.25	362.25	9.33	1470.04	1840.30	4.97	
3700.00	3700.00	3722.50	293.26	372.25	372.25	9.53	1459.83	1840.30	4.84	
3800.00	3800.00	3822.50	293.26	382.25	382.25	9.73	1449.62	1840.30	4.71	
3900.00	3900.00	3922.50	293.26	392.25	392.25	9.93	1439.41	1840.30	4.59	
4000.00	4000.00	4022.50	293.26	402.25	402.25	10.14	1429.21	1840.30	4.48	
4100.00	4100.00	4122.50	293.26	412.25	412.25	10.35	1419.00	1840.30	4.37	
4200.00	4200.00	4222.50	293.26	422.25	422.25	10.56	1408.79	1840.30	4.26	
4300.00	4300.00	4322.50	293.26	432.25	432.25	10.78	1398.58	1840.30	4.17	
4400.00	4400.00	4422.50	293.26	442.25	442.25	11.00	1388.37	1840.30	4.07	
4500.00	4500.00	4522.50	293.26	452.25	452.25	11.22	1378.16	1840.30	3.98	
4600.00	4600.00	4622.50	293.26	462.25	462.25	11.45	1367.96	1840.30	3.90	
4700.00	4700.00	4722.50	293.26	472.25	472.25	11.68	1357.75	1840.30	3.81	
4800.00	4800.00	4822.50	293.26	482.25	482.25	11.91	1347.54	1840.30	3.73	
4900.00	4900.00	4922.50	293.26	492.25	492.25	12.15	1337.33	1840.30	3.66	
5000.00	5000.00	5022.50	293.26	502.25	502.25	12.39	1327.12	1840.30	3.59	
5100.00	5100.00	5122.50	293.26	512.25	512.25	12.63	1316.92	1840.30	3.52	
5200.00	5200.00	5222.50	293.26	522.25	522.25	12.88	1306.71	1840.30	3.45	
5300.00	5300.00	5322.50	293.26	532.25	532.25	13.13	1296.50	1840.30	3.38	
5400.00	5400.00	5422.50	293.26	542.25	542.25	13.39	1286.29	1840.30	3.32	
5500.00	5500.00	5522.50	293.26	552.25	552.25	13.65	1276.08	1840.30	3.26	
5600.00	5600.00	5622.50	293.26	562.25	562.25	13.92	1265.87	1840.30	3.20	
5700.00	5700.00	5722.50	293.26	572.25	572.25	14.18	1255.67	1840.30	3.15	
5800.00	5800.00	5822.50	293.26	582.25	582.25	14.46	1245.46	1840.30	3.09	
5900.00	5900.00	5922.50	293.26	592.25	592.25	14.73	1235.25	1840.30	3.04	
6000.00	6000.00	6022.50	293.26	602.25	602.25	15.01	1225.04	1840.30	2.99	
6100.00	6100.00	6122.50	293.26	612.25	612.25	15.30	1214.83	1840.30	2.94	
6200.00	6200.00	6222.50	293.26	622.25	622.25	15.59	1204.63	1840.30	2.90	
6300.00	6300.00	6322.50	293.26	632.25	632.25	15.89	1194.42	1840.30	2.85	
6400.00	6400.00	6422.50	293.26	642.25	642.25	16.19	1184.21	1840.30	2.80	
6500.00	6500.00	6522.50	293.26	652.25	652.25	16.49	1174.00	1840.30	2.76	
6600.00	6600.00	6622.50	293.26	662.25	662.25	16.80	1163.79	1840.30	2.72	
6700.00	6700.00	6722.50	293.26	672.25	672.25	17.11	1153.58	1840.30	2.68	
6800.00	6800.00	6822.50	293.26	682.25	682.25	17.43	1143.38	1840.30	2.64	
6900.00	6900.00	6922.50	293.26	692.25	692.25	17.76	1133.17	1840.30	2.60	
7000.00	7000.00	7022.50	293.26	702.25	702.25	18.09	1122.96	1840.30	2.57	
7100.00	7100.00	7122.50	293.26	712.25	712.25	18.42	1112.75	1840.30	2.53	
7200.00	7200.00	7222.50	293.26	722.25	722.25	18.76	1102.54	1840.30	2.49	SF(Lo)
7300.00	7300.00	7322.50	293.26	732.25	732.25	19.10	1092.33	1840.30	2.46	SF(Lo)
7400.00	7400.00	7422.50	293.26	742.25	742.25	19.45	1082.13	1840.30	2.43	SF(Lo)
7500.00	7500.00	7522.50	293.26	752.25	752.25	19.81	1071.92	1840.30	2.40	SF(Lo)
7600.00	7600.00	7622.50	293.26	762.25	762.25	20.17	1061.71	1840.30	2.36	SF(Lo)
7700.00	7700.00	7722.50	293.26	772.25	772.25	20.53	1051.50	1840.30	2.33	SF(Lo)
7800.00	7800.00	7822.50	293.26	782.25	782.25	20.90	1041.29	1840.30	2.30	SF(Lo)
7900.00	7900.00	7922.50	293.26	792.25	792.25	21.28	1031.09	1840.30	2.27	SF(Lo)
8000.00	8000.00	8022.50	293.26	802.25	802.25	21.66	1020.88	1840.30	2.25	SF(Lo)
8100.00	8100.00	8122.50	293.26	812.25	812.25	22.05	1010.67	1840.30	2.22	SF(Lo)

5D Anti-Collision Report

Secondary Well: Keller 22 Fed #1 (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
8200.00	8200.00	8222.50	293.26	822.25	822.25	22.44	1000.46	1840.30	2.19	SF(Lo)
8300.00	8300.00	8322.50	293.26	832.25	832.25	22.84	990.25	1840.30	2.16	SF(Lo)
8400.00	8400.00	8422.50	293.26	842.25	842.25	23.24	980.04	1840.30	2.14	SF(Lo)
8500.00	8500.00	8522.50	293.26	852.25	852.25	23.65	969.84	1840.30	2.11	SF(Lo)
8600.00	8600.00	8622.50	293.26	862.25	862.25	24.07	959.63	1840.30	2.09	SF(Lo)
8700.00	8700.00	8722.50	293.26	872.25	872.25	24.49	949.42	1840.30	2.07	SF(Lo)
8800.00	8800.00	8822.50	293.26	882.25	882.25	24.91	939.21	1840.30	2.04	SF(Lo)
8900.00	8827.50	8850.00	293.26	885.00	885.00	25.03	938.37	1841.73	2.04	SF(Lo)
9000.00	8827.50	8850.00	293.26	885.00	885.00	25.03	948.03	1848.37	2.05	SF(Lo)
9100.00	8827.50	8850.00	293.26	885.00	885.00	25.03	965.58	1860.37	2.08	SF(Lo)
9200.00	8827.50	8850.00	293.26	885.00	885.00	25.03	990.71	1877.62	2.12	SF(Lo)
9300.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1023.16	1899.99	2.17	SF(Lo)
9400.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1062.54	1927.30	2.23	SF(Lo)
9500.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1108.35	1959.33	2.30	SF(Lo)
9600.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1160.08	1995.86	2.39	SF(Lo)
9700.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1217.13	2036.66	2.49	SF(Lo)
9800.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1279.10	2081.46	2.59	
9900.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1345.47	2130.02	2.71	
10000.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1415.78	2182.08	2.85	
10100.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1489.56	2237.40	2.99	
10200.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1566.33	2295.75	3.15	
10300.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1645.82	2356.90	3.31	
10400.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1727.70	2420.64	3.49	
10500.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1811.68	2486.76	3.68	
10600.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1897.49	2555.09	3.89	
10700.00	8827.50	8850.00	293.26	885.00	885.00	25.03	1984.84	2625.45	4.10	
10800.00	8827.50	8850.00	293.26	885.00	885.00	25.03	2073.56	2697.68	4.32	
10900.00	8827.50	8850.00	299.34	885.00	885.00	25.03	2162.38	2770.32	4.56	
11000.00	8827.50	8850.00	307.21	885.00	885.00	25.03	2247.26	2838.90	4.80	
11100.00	8827.50	8850.00	313.35	885.00	885.00	25.03	2326.00	2901.56	5.04	
11200.00	8827.50	8850.00	317.99	885.00	885.00	25.03	2396.83	2956.82	5.28	
11300.00	8827.50	8850.00	321.40	885.00	885.00	25.03	2458.30	3003.46	5.51	
11400.00	8827.50	8850.00	323.82	885.00	885.00	25.03	2509.15	3040.47	5.72	
11500.00	8827.50	8850.00	325.43	885.00	885.00	25.03	2544.57	3067.11	5.87	
11600.00	8827.50	8850.00	326.32	885.00	885.00	25.03	2567.02	3082.84	5.98	
11700.00	8827.50	8850.00	326.57	885.00	885.00	25.03	2576.54	3087.34	6.04	
11800.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2574.01	3084.41	6.04	
11900.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2572.97	3084.18	6.03	
12000.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2575.63	3087.19	6.03	
12100.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2578.42	3093.43	6.01	
12200.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2583.45	3102.89	5.97	
12300.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2592.18	3115.53	5.95	
12400.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2601.60	3131.31	5.91	
12500.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2612.83	3150.19	5.86	
12600.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2627.70	3172.11	5.83	
12700.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2645.25	3197.01	5.79	
12800.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2662.90	3224.82	5.74	
12900.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2683.96	3255.46	5.70	
13000.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2708.35	3288.86	5.67	
13100.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2735.43	3324.94	5.64	
13200.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2762.64	3363.60	5.60	
13300.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2793.10	3404.76	5.57	
13400.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2826.66	3448.33	5.55	
13500.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2862.96	3494.22	5.54	
13600.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2902.38	3542.34	5.54	
13700.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2941.63	3592.60	5.52	
13800.00	8827.50	8850.00	326.53	885.00	885.00	25.03	2983.38	3644.91	5.51	
13900.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3027.78	3699.18	5.51	

5D Anti-Collision Report

Secondary Well: Keller 22 Fed #1 (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
14000.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3074.61	3755.33	5.52	
14100.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3123.97	3813.28	5.53	
14200.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3175.42	3872.94	5.55	
14300.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3229.08	3934.25	5.58	
14400.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3283.97	3997.11	5.60	
14500.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3339.60	4061.46	5.63	
14600.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3397.17	4127.23	5.65	
14700.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3456.59	4194.36	5.69	
14800.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3517.77	4262.77	5.72	
14900.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3580.61	4332.42	5.76	
15000.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3645.04	4403.23	5.81	
15100.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3710.91	4475.15	5.86	
15200.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3778.21	4548.14	5.91	
15300.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3846.87	4622.14	5.96	
15400.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3916.82	4697.10	6.02	
15500.00	8827.50	8850.00	326.53	885.00	885.00	25.03	3988.00	4772.98	6.08	
15600.00	8827.50	8850.00	326.53	885.00	885.00	25.03	4060.34	4849.74	6.14	
15700.00	8827.50	8850.00	326.53	885.00	885.00	25.03	4133.04	4927.33	6.20	
15800.00	8827.50	8850.00	326.53	885.00	885.00	25.03	4206.28	5005.71	6.26	
15900.00	8827.50	8850.00	326.53	885.00	885.00	25.03	4280.56	5084.85	6.32	
15905.95	8827.50	8850.00	326.53	885.00	885.00	25.03	4285.01	5089.59	6.33	
Secondary Well: Curry State #3 (Active) (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	4.50	0.00	340.46	0.00	0.00	0.00	4571.99	4572.63	7149.58	
100.00	100.00	95.50	340.46	9.55	9.55	2.64	4562.33	4572.62	444.01	
200.00	200.00	195.50	340.46	19.55	19.55	4.62	4552.10	4572.62	222.82	
300.00	300.00	295.50	340.46	29.55	29.55	4.65	4541.88	4572.62	148.72	
400.00	400.00	395.50	340.46	39.55	39.55	4.70	4531.65	4572.62	111.61	
500.00	500.00	495.50	340.46	49.55	49.55	4.75	4521.43	4572.62	89.32	
600.00	600.00	595.50	340.46	59.55	59.55	4.81	4511.20	4572.62	74.45	
700.00	700.00	695.50	340.46	69.55	69.55	4.89	4500.98	4572.62	63.82	
800.00	800.00	795.50	340.46	79.55	79.55	4.97	4490.75	4572.62	55.85	
900.00	900.00	895.50	340.46	89.55	89.55	5.06	4480.53	4572.62	49.65	
1000.00	1000.00	995.50	340.46	99.55	99.55	5.16	4470.31	4572.62	44.69	
1100.00	1100.00	1095.50	340.46	109.55	109.55	5.27	4460.08	4572.62	40.63	
1200.00	1200.00	1195.50	340.46	119.55	119.55	5.38	4449.86	4572.62	37.25	
1300.00	1300.00	1295.50	340.46	129.55	129.55	5.50	4439.63	4572.62	34.38	
1400.00	1400.00	1395.50	340.46	139.55	139.55	5.62	4429.41	4572.62	31.93	
1500.00	1500.00	1495.50	340.46	149.55	149.55	5.75	4419.18	4572.62	29.80	
1600.00	1600.00	1595.50	340.46	159.55	159.55	5.89	4408.96	4572.62	27.94	
1700.00	1700.00	1695.50	340.46	169.55	169.55	6.03	4398.73	4572.62	26.30	
1800.00	1800.00	1795.50	340.46	179.55	179.55	6.17	4388.51	4572.62	24.84	
1900.00	1900.00	1895.50	340.46	189.55	189.55	6.32	4378.29	4572.62	23.53	
2000.00	2000.00	1995.50	340.46	199.55	199.55	6.47	4368.06	4572.62	22.35	
2100.00	2100.00	2095.50	340.46	209.55	209.55	6.62	4357.84	4572.62	21.29	
2200.00	2200.00	2195.50	340.46	219.55	219.55	6.78	4347.61	4572.62	20.32	
2300.00	2300.00	2295.50	340.46	229.55	229.55	6.94	4337.39	4572.62	19.44	
2400.00	2400.00	2395.50	340.46	239.55	239.55	7.10	4327.16	4572.62	18.63	
2500.00	2500.00	2495.50	340.46	249.55	249.55	7.27	4316.94	4572.62	17.88	
2600.00	2600.00	2595.50	340.46	259.55	259.55	7.44	4306.71	4572.62	17.20	
2700.00	2700.00	2695.50	340.46	269.55	269.55	7.61	4296.49	4572.62	16.56	
2800.00	2800.00	2795.50	340.46	279.55	279.55	7.78	4286.27	4572.62	15.97	
2900.00	2900.00	2895.50	340.46	289.55	289.55	7.96	4276.04	4572.62	15.42	
3000.00	3000.00	2995.50	340.46	299.55	299.55	8.14	4265.82	4572.62	14.90	
3100.00	3100.00	3095.50	340.46	309.55	309.55	8.32	4255.59	4572.62	14.42	
3200.00	3200.00	3195.50	340.46	319.55	319.55	8.51	4245.37	4572.62	13.97	
3300.00	3300.00	3295.50	340.46	329.55	329.55	8.70	4235.14	4572.62	13.55	

5D Anti-Collision Report

Secondary Well: Curry State #3 (Active) (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
3400.00	3400.00	3395.50	340.46	339.55	339.55	8.89	4224.92	4572.62	13.15	
3500.00	3500.00	3495.50	340.46	349.55	349.55	9.08	4214.69	4572.62	12.78	
3600.00	3600.00	3595.50	340.46	359.55	359.55	9.27	4204.47	4572.62	12.42	
3700.00	3700.00	3695.50	340.46	369.55	369.55	9.47	4194.25	4572.62	12.08	
3800.00	3800.00	3795.50	340.46	379.55	379.55	9.67	4184.02	4572.62	11.77	
3900.00	3900.00	3895.50	340.46	389.55	389.55	9.88	4173.80	4572.62	11.47	
4000.00	4000.00	3995.50	340.46	399.55	399.55	10.08	4163.57	4572.62	11.18	
4100.00	4100.00	4095.50	340.46	409.55	409.55	10.30	4153.35	4572.62	10.91	
4200.00	4200.00	4195.50	340.46	419.55	419.55	10.51	4143.12	4572.62	10.65	
4300.00	4300.00	4295.50	340.46	429.55	429.55	10.72	4132.90	4572.62	10.40	
4400.00	4400.00	4395.50	340.46	439.55	439.55	10.94	4122.67	4572.62	10.16	
4500.00	4500.00	4495.50	340.46	449.55	449.55	11.17	4112.45	4572.62	9.94	
4600.00	4600.00	4595.50	340.46	459.55	459.55	11.39	4102.23	4572.62	9.72	
4700.00	4700.00	4695.50	340.46	469.55	469.55	11.62	4092.00	4572.62	9.51	
4800.00	4800.00	4795.50	340.46	479.55	479.55	11.86	4081.78	4572.62	9.32	
4900.00	4900.00	4895.50	340.46	489.55	489.55	12.09	4071.55	4572.62	9.13	
5000.00	5000.00	4995.50	340.46	499.55	499.55	12.33	4061.33	4572.62	8.94	
5100.00	5100.00	5095.50	340.46	509.55	509.55	12.58	4051.10	4572.62	8.77	
5200.00	5200.00	5195.50	340.46	519.55	519.55	12.82	4040.88	4572.62	8.60	
5300.00	5300.00	5295.50	340.46	529.55	529.55	13.08	4030.65	4572.62	8.44	
5400.00	5400.00	5395.50	340.46	539.55	539.55	13.33	4020.43	4572.62	8.28	
5500.00	5500.00	5495.50	340.46	549.55	549.55	13.59	4010.21	4572.62	8.13	
5600.00	5600.00	5595.50	340.46	559.55	559.55	13.86	3999.98	4572.62	7.99	
5700.00	5700.00	5695.50	340.46	569.55	569.55	14.12	3989.76	4572.62	7.85	
5800.00	5800.00	5795.50	340.46	579.55	579.55	14.40	3979.53	4572.62	7.71	
5900.00	5900.00	5895.50	340.46	589.55	589.55	14.67	3969.31	4572.62	7.58	
6000.00	6000.00	5995.50	340.46	599.55	599.55	14.95	3959.08	4572.62	7.45	
6100.00	6100.00	6095.50	340.46	609.55	609.55	15.24	3948.86	4572.62	7.33	
6200.00	6200.00	6195.50	340.46	619.55	619.55	15.53	3938.63	4572.62	7.21	
6300.00	6300.00	6295.50	340.46	629.55	629.55	15.82	3928.41	4572.62	7.10	
6400.00	6400.00	6395.50	340.46	639.55	639.55	16.12	3918.19	4572.62	6.99	
6500.00	6500.00	6495.50	340.46	649.55	649.55	16.43	3907.96	4572.62	6.88	
6600.00	6600.00	6595.50	340.46	659.55	659.55	16.74	3897.74	4572.62	6.78	
6700.00	6700.00	6695.50	340.46	669.55	669.55	17.05	3887.51	4572.62	6.67	
6800.00	6800.00	6795.50	340.46	679.55	679.55	17.37	3877.29	4572.62	6.58	
6900.00	6900.00	6895.50	340.46	689.55	689.55	17.69	3867.06	4572.62	6.48	
7000.00	7000.00	6995.50	340.46	699.55	699.55	18.02	3856.84	4572.62	6.39	
7100.00	7100.00	7095.50	340.46	709.55	709.55	18.36	3846.61	4572.62	6.30	
7200.00	7200.00	7195.50	340.46	719.55	719.55	18.69	3836.39	4572.62	6.21	
7300.00	7300.00	7295.50	340.46	729.55	729.55	19.04	3826.17	4572.62	6.13	
7400.00	7400.00	7395.50	340.46	739.55	739.55	19.39	3815.94	4572.62	6.04	
7500.00	7500.00	7495.50	340.46	749.55	749.55	19.74	3805.72	4572.62	5.96	
7600.00	7600.00	7595.50	340.46	759.55	759.55	20.10	3795.49	4572.62	5.88	
7700.00	7700.00	7695.50	340.46	769.55	769.55	20.46	3785.27	4572.62	5.81	
7800.00	7800.00	7795.50	340.46	779.55	779.55	20.84	3775.04	4572.62	5.73	
7900.00	7900.00	7895.50	340.46	789.55	789.55	21.21	3764.82	4572.62	5.66	
8000.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3765.32	4573.62	5.66	
8100.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3768.83	4576.80	5.66	
8200.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3774.91	4582.16	5.68	
8300.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3783.55	4589.70	5.69	
8400.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3794.72	4599.39	5.72	
8500.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3808.41	4611.24	5.74	
8600.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3824.56	4625.21	5.78	
8700.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3843.16	4641.30	5.82	
8800.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3864.18	4659.49	5.86	
8900.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3887.60	4679.73	5.91	
9000.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3913.36	4702.02	5.96	
9100.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3941.44	4726.32	6.02	

5D Anti-Collision Report

Secondary Well: Curry State #3 (Active) (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
9200.00	7904.50	7900.00	340.46	790.00	790.00	21.23	3971.79	4752.60	6.09	
9300.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4004.35	4780.83	6.16	
9400.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4039.08	4810.97	6.23	
9500.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4075.92	4842.99	6.31	
9600.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4114.83	4876.84	6.40	
9700.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4155.75	4912.51	6.49	
9800.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4198.58	4949.93	6.59	
9900.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4243.30	4989.08	6.69	
10000.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4289.85	5029.91	6.80	
10100.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4338.19	5072.39	6.91	
10200.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4388.25	5116.46	7.03	
10300.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4439.99	5162.10	7.15	
10400.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4493.35	5209.26	7.28	
10500.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4548.27	5257.90	7.41	
10600.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4604.70	5307.98	7.55	
10700.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4662.59	5359.45	7.69	
10800.00	7904.50	7900.00	340.46	790.00	790.00	21.23	4721.88	5412.28	7.84	
10900.00	7904.50	7900.00	341.04	790.00	790.00	21.23	4778.97	5462.69	7.99	
11000.00	7904.50	7900.00	342.32	790.00	790.00	21.23	4823.83	5500.30	8.13	
11100.00	7904.50	7900.00	343.04	790.00	790.00	21.23	4854.98	5523.76	8.26	
11200.00	7904.50	7900.00	343.30	790.00	790.00	21.23	4871.82	5532.54	8.37	
11300.00	7904.50	7900.00	343.12	790.00	790.00	21.23	4873.90	5526.44	8.47	
11400.00	7904.50	7900.00	342.49	790.00	790.00	21.23	4861.23	5505.59	8.54	
11500.00	7904.50	7900.00	341.32	790.00	790.00	21.23	4834.03	5470.47	8.60	
11600.00	7904.50	7900.00	339.45	790.00	790.00	21.23	4792.89	5421.88	8.62	
11700.00	7904.50	7900.00	336.56	790.00	790.00	21.23	4738.71	5360.95	8.62	
11800.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4675.95	5292.07	8.59	
11900.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4613.97	5223.77	8.57	
12000.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4553.29	5156.50	8.55	
12100.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4493.91	5090.30	8.54	
12200.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4435.40	5025.22	8.52	
12300.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4377.69	4961.31	8.50	
12400.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4321.41	4898.60	8.49	
12500.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4266.67	4837.15	8.48	
12600.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4213.55	4777.00	8.48	
12700.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4162.12	4718.20	8.48	
12800.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4112.37	4660.81	8.50	
12900.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4064.40	4604.87	8.52	
13000.00	7904.50	7900.00	335.54	790.00	790.00	21.23	4018.27	4550.44	8.55	
13100.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3973.99	4497.58	8.59	
13200.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3931.70	4446.34	8.64	
13300.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3890.33	4396.78	8.68	
13400.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3850.37	4348.95	8.72	
13500.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3812.53	4302.91	8.77	
13600.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3776.87	4258.73	8.84	
13700.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3743.54	4216.45	8.92	
13800.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3712.44	4176.15	9.01	
13900.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3683.84	4137.86	9.11	
14000.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3655.09	4101.66	9.18	
14100.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3629.06	4067.59	9.28	
14200.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3605.43	4035.72	9.38	
14300.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3584.39	4006.09	9.50	
14400.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3564.95	3978.75	9.62	
14500.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3546.45	3953.75	9.71	
14600.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3530.55	3931.14	9.81	
14700.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3517.32	3910.95	9.94	
14800.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3504.54	3893.23	10.02	
14900.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3493.68	3878.01	10.09	

5D Anti-Collision Report

Secondary Well: Curry State #3 (Active) (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
15000.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3485.63	3865.32	10.18	
15100.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3478.31	3855.18	10.23	
15200.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3472.47	3847.61	10.26	
15300.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3469.38	3842.63	10.30	
15400.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3466.40	3840.25	10.27	
15500.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3465.39	3840.47	10.24	
15600.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3467.24	3843.30	10.22	
15700.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3468.49	3848.72	10.12	
15800.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3472.48	3856.73	10.04	
15900.00	7904.50	7900.00	335.54	790.00	790.00	21.23	3479.03	3867.31	9.96	
15905.95	7904.50	7900.00	335.54	790.00	790.00	21.23	3479.32	3868.02	9.95	
Secondary Well: Scharb #2 (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	3.50	0.00	338.57	0.00	0.00	0.00	4734.58	4735.22	7403.83	
100.00	100.00	96.50	338.57	9.65	9.65	2.67	4724.82	4735.22	455.50	
200.00	200.00	196.50	338.57	19.65	19.65	4.62	4714.60	4735.22	229.68	
300.00	300.00	296.50	338.57	29.65	29.65	4.65	4704.38	4735.22	153.55	
400.00	400.00	396.50	338.57	39.65	39.65	4.70	4694.16	4735.22	115.33	
500.00	500.00	496.50	338.57	49.65	49.65	4.75	4683.94	4735.22	92.34	
600.00	600.00	596.50	338.57	59.65	59.65	4.81	4673.72	4735.22	76.99	
700.00	700.00	696.50	338.57	69.65	69.65	4.89	4663.50	4735.22	66.02	
800.00	800.00	796.50	338.57	79.65	79.65	4.97	4653.27	4735.22	57.78	
900.00	900.00	896.50	338.57	89.65	89.65	5.06	4643.05	4735.22	51.38	
1000.00	1000.00	996.50	338.57	99.65	99.65	5.16	4632.83	4735.22	46.25	
1100.00	1100.00	1096.50	338.57	109.65	109.65	5.27	4622.61	4735.22	42.05	
1200.00	1200.00	1196.50	338.57	119.65	119.65	5.38	4612.39	4735.22	38.55	
1300.00	1300.00	1296.50	338.57	129.65	129.65	5.50	4602.17	4735.22	35.59	
1400.00	1400.00	1396.50	338.57	139.65	139.65	5.63	4591.94	4735.22	33.05	
1500.00	1500.00	1496.50	338.57	149.65	149.65	5.75	4581.72	4735.22	30.85	
1600.00	1600.00	1596.50	338.57	159.65	159.65	5.89	4571.50	4735.22	28.92	
1700.00	1700.00	1696.50	338.57	169.65	169.65	6.03	4561.28	4735.22	27.22	
1800.00	1800.00	1796.50	338.57	179.65	179.65	6.17	4551.06	4735.22	25.71	
1900.00	1900.00	1896.50	338.57	189.65	189.65	6.32	4540.84	4735.22	24.36	
2000.00	2000.00	1996.50	338.57	199.65	199.65	6.47	4530.61	4735.22	23.14	
2100.00	2100.00	2096.50	338.57	209.65	209.65	6.62	4520.39	4735.22	22.04	
2200.00	2200.00	2196.50	338.57	219.65	219.65	6.78	4510.17	4735.22	21.04	
2300.00	2300.00	2296.50	338.57	229.65	229.65	6.94	4499.95	4735.22	20.13	
2400.00	2400.00	2396.50	338.57	239.65	239.65	7.11	4489.73	4735.22	19.29	
2500.00	2500.00	2496.50	338.57	249.65	249.65	7.27	4479.51	4735.22	18.52	
2600.00	2600.00	2596.50	338.57	259.65	259.65	7.44	4469.29	4735.22	17.81	
2700.00	2700.00	2696.50	338.57	269.65	269.65	7.61	4459.06	4735.22	17.15	
2800.00	2800.00	2796.50	338.57	279.65	279.65	7.79	4448.84	4735.22	16.53	
2900.00	2900.00	2896.50	338.57	289.65	289.65	7.96	4438.62	4735.22	15.97	
3000.00	3000.00	2996.50	338.57	299.65	299.65	8.14	4428.40	4735.22	15.43	
3100.00	3100.00	3096.50	338.57	309.65	309.65	8.33	4418.18	4735.22	14.94	
3200.00	3200.00	3196.50	338.57	319.65	319.65	8.51	4407.96	4735.22	14.47	
3300.00	3300.00	3296.50	338.57	329.65	329.65	8.70	4397.73	4735.22	14.03	
3400.00	3400.00	3396.50	338.57	339.65	339.65	8.89	4387.51	4735.22	13.62	
3500.00	3500.00	3496.50	338.57	349.65	349.65	9.08	4377.29	4735.22	13.23	
3600.00	3600.00	3596.50	338.57	359.65	359.65	9.28	4367.07	4735.22	12.86	
3700.00	3700.00	3696.50	338.57	369.65	369.65	9.47	4356.85	4735.22	12.51	
3800.00	3800.00	3796.50	338.57	379.65	379.65	9.68	4346.63	4735.22	12.19	
3900.00	3900.00	3896.50	338.57	389.65	389.65	9.88	4336.40	4735.22	11.87	
4000.00	4000.00	3996.50	338.57	399.65	399.65	10.09	4326.18	4735.22	11.58	
4100.00	4100.00	4096.50	338.57	409.65	409.65	10.30	4315.96	4735.22	11.29	
4200.00	4200.00	4196.50	338.57	419.65	419.65	10.51	4305.74	4735.22	11.03	
4300.00	4300.00	4296.50	338.57	429.65	429.65	10.73	4295.52	4735.22	10.77	

5D Anti-Collision Report

Secondary Well: Scharb #2 (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
4400.00	4400.00	4396.50	338.57	439.65	439.65	10.95	4285.30	4735.22	10.52	
4500.00	4500.00	4496.50	338.57	449.65	449.65	11.17	4275.08	4735.22	10.29	
4600.00	4600.00	4596.50	338.57	459.65	459.65	11.39	4264.85	4735.22	10.07	
4700.00	4700.00	4696.50	338.57	469.65	469.65	11.62	4254.63	4735.22	9.85	
4800.00	4800.00	4796.50	338.57	479.65	479.65	11.86	4244.41	4735.22	9.65	
4900.00	4900.00	4896.50	338.57	489.65	489.65	12.09	4234.19	4735.22	9.45	
5000.00	5000.00	4996.50	338.57	499.65	499.65	12.33	4223.97	4735.22	9.26	
5100.00	5100.00	5096.50	338.57	509.65	509.65	12.58	4213.75	4735.22	9.08	
5200.00	5200.00	5196.50	338.57	519.65	519.65	12.83	4203.52	4735.22	8.91	
5300.00	5300.00	5296.50	338.57	529.65	529.65	13.08	4193.30	4735.22	8.74	
5400.00	5400.00	5396.50	338.57	539.65	539.65	13.33	4183.08	4735.22	8.58	
5500.00	5500.00	5496.50	338.57	549.65	549.65	13.59	4172.86	4735.22	8.42	
5600.00	5600.00	5596.50	338.57	559.65	559.65	13.86	4162.64	4735.22	8.27	
5700.00	5700.00	5696.50	338.57	569.65	569.65	14.13	4152.42	4735.22	8.12	
5800.00	5800.00	5796.50	338.57	579.65	579.65	14.40	4142.19	4735.22	7.98	
5900.00	5900.00	5896.50	338.57	589.65	589.65	14.68	4131.97	4735.22	7.85	
6000.00	6000.00	5996.50	338.57	599.65	599.65	14.96	4121.75	4735.22	7.72	
6100.00	6100.00	6096.50	338.57	609.65	609.65	15.24	4111.53	4735.22	7.59	
6200.00	6200.00	6196.50	338.57	619.65	619.65	15.53	4101.31	4735.22	7.47	
6300.00	6300.00	6296.50	338.57	629.65	629.65	15.83	4091.09	4735.22	7.35	
6400.00	6400.00	6396.50	338.57	639.65	639.65	16.13	4080.86	4735.22	7.24	
6500.00	6500.00	6496.50	338.57	649.65	649.65	16.43	4070.64	4735.22	7.13	
6600.00	6600.00	6596.50	338.57	659.65	659.65	16.74	4060.42	4735.22	7.02	
6700.00	6700.00	6696.50	338.57	669.65	669.65	17.05	4050.20	4735.22	6.91	
6800.00	6800.00	6796.50	338.57	679.65	679.65	17.37	4039.98	4735.22	6.81	
6900.00	6900.00	6896.50	338.57	689.65	689.65	17.70	4029.76	4735.22	6.71	
7000.00	7000.00	6996.50	338.57	699.65	699.65	18.02	4019.54	4735.22	6.62	
7100.00	7100.00	7096.50	338.57	709.65	709.65	18.36	4009.31	4735.22	6.52	
7200.00	7200.00	7196.50	338.57	719.65	719.65	18.70	3999.09	4735.22	6.43	
7300.00	7300.00	7296.50	338.57	729.65	729.65	19.04	3988.87	4735.22	6.34	
7400.00	7400.00	7396.50	338.57	739.65	739.65	19.39	3978.65	4735.22	6.26	
7500.00	7500.00	7496.50	338.57	749.65	749.65	19.74	3968.43	4735.22	6.18	
7600.00	7600.00	7596.50	338.57	759.65	759.65	20.10	3958.21	4735.22	6.09	
7700.00	7700.00	7696.50	338.57	769.65	769.65	20.47	3947.98	4735.22	6.01	
7800.00	7800.00	7796.50	338.57	779.65	779.65	20.84	3937.76	4735.22	5.94	
7900.00	7900.00	7896.50	338.57	789.65	789.65	21.21	3927.54	4735.22	5.86	
8000.00	8000.00	7996.50	338.57	799.65	799.65	21.59	3917.32	4735.22	5.79	
8100.00	8100.00	8096.50	338.57	809.65	809.65	21.98	3907.10	4735.22	5.72	
8200.00	8200.00	8196.50	338.57	819.65	819.65	22.37	3896.88	4735.22	5.65	
8300.00	8300.00	8296.50	338.57	829.65	829.65	22.77	3886.65	4735.22	5.58	
8400.00	8400.00	8396.50	338.57	839.65	839.65	23.17	3876.43	4735.22	5.51	
8500.00	8500.00	8496.50	338.57	849.65	849.65	23.58	3866.21	4735.22	5.45	
8600.00	8600.00	8596.50	338.57	859.65	859.65	24.00	3855.99	4735.22	5.39	
8700.00	8700.00	8696.50	338.57	869.65	869.65	24.41	3845.77	4735.22	5.32	
8800.00	8800.00	8796.50	338.57	879.65	879.65	24.84	3835.55	4735.22	5.26	
8900.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3830.25	4735.45	5.23	
9000.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3832.45	4737.49	5.23	
9100.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3837.16	4741.63	5.24	
9200.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3844.37	4747.88	5.25	
9300.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3854.08	4756.22	5.27	
9400.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3866.25	4766.65	5.29	
9500.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3880.87	4779.15	5.32	
9600.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3897.87	4793.70	5.35	
9700.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3917.27	4810.29	5.39	
9800.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3939.03	4828.89	5.43	
9900.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3963.12	4849.48	5.47	
10000.00	8853.50	8850.00	338.57	885.00	885.00	25.07	3989.50	4872.04	5.52	
10100.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4018.13	4896.54	5.57	

5D Anti-Collision Report

Secondary Well: Scharb #2 (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
10200.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4048.97	4922.94	5.63	
10300.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4081.96	4951.23	5.70	
10400.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4117.07	4981.36	5.76	
10500.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4154.24	5013.31	5.84	
10600.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4193.43	5047.04	5.91	
10700.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4234.53	5082.51	5.99	
10800.00	8853.50	8850.00	338.57	885.00	885.00	25.07	4277.52	5119.68	6.08	
10900.00	8853.50	8850.00	338.73	885.00	885.00	25.07	4318.53	5154.51	6.17	
11000.00	8853.50	8850.00	339.52	885.00	885.00	25.07	4346.75	5176.11	6.24	
11100.00	8853.50	8850.00	339.77	885.00	885.00	25.07	4361.09	5183.45	6.30	
11200.00	8853.50	8850.00	339.53	885.00	885.00	25.07	4361.35	5176.36	6.35	
11300.00	8853.50	8850.00	338.75	885.00	885.00	25.07	4347.45	5155.01	6.38	
11400.00	8853.50	8850.00	337.34	885.00	885.00	25.07	4319.67	5119.87	6.40	
11500.00	8853.50	8850.00	335.12	885.00	885.00	25.07	4278.57	5071.74	6.39	
11600.00	8853.50	8850.00	331.76	885.00	885.00	25.07	4225.00	5011.73	6.37	
11700.00	8853.50	8850.00	326.66	885.00	885.00	25.07	4160.15	4941.27	6.33	
11800.00	8853.50	8850.00	324.87	885.00	885.00	25.07	4088.21	4864.36	6.27	
11900.00	8853.50	8850.00	324.87	885.00	885.00	25.07	4016.02	4787.96	6.20	
12000.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3944.50	4712.45	6.14	
12100.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3874.18	4637.86	6.07	
12200.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3805.11	4564.24	6.01	
12300.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3737.28	4491.65	5.95	
12400.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3670.82	4420.12	5.90	
12500.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3605.83	4349.72	5.85	
12600.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3542.39	4280.50	5.80	
12700.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3480.56	4212.51	5.76	
12800.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3420.33	4145.82	5.71	
12900.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3361.92	4080.49	5.68	
13000.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3305.42	4016.58	5.65	
13100.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3249.71	3954.18	5.61	
13200.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3194.76	3893.34	5.57	
13300.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3141.98	3834.15	5.54	
13400.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3091.27	3776.67	5.51	
13500.00	8853.50	8850.00	324.87	885.00	885.00	25.07	3042.97	3721.00	5.49	
13600.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2997.06	3667.21	5.47	
13700.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2953.65	3615.38	5.46	
13800.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2912.83	3565.61	5.46	
13900.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2871.57	3517.97	5.44	
14000.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2833.25	3472.57	5.43	
14100.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2797.80	3429.47	5.43	
14200.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2765.19	3388.79	5.43	
14300.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2735.79	3350.59	5.45	
14400.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2706.58	3314.97	5.45	
14500.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2679.92	3282.01	5.45	
14600.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2656.48	3251.80	5.46	
14700.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2636.45	3224.40	5.48	
14800.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2616.97	3199.90	5.49	
14900.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2599.66	3178.35	5.49	
15000.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2585.98	3159.82	5.51	
15100.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2575.21	3144.37	5.52	
15200.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2564.18	3132.04	5.52	
15300.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2556.79	3122.85	5.52	
15400.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2553.07	3116.86	5.53	
15500.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2548.49	3114.06	5.51	
15600.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2547.42	3114.47	5.49	
15700.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2550.14	3118.10	5.49	
15800.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2552.68	3124.92	5.46	
15900.00	8853.50	8850.00	324.87	885.00	885.00	25.07	2558.05	3134.91	5.43	

5D Anti-Collision Report

Secondary Well: Scharb #2 (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
15905.95	8853.50	8850.00	324.87	885.00	885.00	25.07	2558.49	3135.61	5.43	
Secondary Well: Curry State #2 (Active) (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	0.00	21.50	325.85	2.15	2.15	0.60	5071.68	5074.46	1822.96	
100.00	100.00	121.50	325.85	12.15	12.15	3.36	5061.60	5074.46	394.40	
200.00	200.00	221.50	325.85	22.15	22.15	4.63	5051.40	5074.46	220.02	
300.00	300.00	321.50	325.85	32.15	32.15	4.66	5041.20	5074.46	152.56	
400.00	400.00	421.50	325.85	42.15	42.15	4.71	5031.00	5074.46	116.76	
500.00	500.00	521.50	325.85	52.15	52.15	4.76	5020.80	5074.46	94.57	
600.00	600.00	621.50	325.85	62.15	62.15	4.83	5010.61	5074.46	79.47	
700.00	700.00	721.50	325.85	72.15	72.15	4.91	5000.41	5074.46	68.52	
800.00	800.00	821.50	325.85	82.15	82.15	4.99	4990.21	5074.46	60.23	
900.00	900.00	921.50	325.85	92.15	92.15	5.09	4980.01	5074.46	53.73	
1000.00	1000.00	1021.50	325.85	102.15	102.15	5.19	4969.82	5074.46	48.49	
1100.00	1100.00	1121.50	325.85	112.15	112.15	5.30	4959.62	5074.46	44.19	
1200.00	1200.00	1221.50	325.85	122.15	122.15	5.41	4949.42	5074.46	40.58	
1300.00	1300.00	1321.50	325.85	132.15	132.15	5.53	4939.22	5074.46	37.52	
1400.00	1400.00	1421.50	325.85	142.15	142.15	5.66	4929.02	5074.46	34.89	
1500.00	1500.00	1521.50	325.85	152.15	152.15	5.79	4918.83	5074.46	32.60	
1600.00	1600.00	1621.50	325.85	162.15	162.15	5.93	4908.63	5074.46	30.60	
1700.00	1700.00	1721.50	325.85	172.15	172.15	6.07	4898.43	5074.46	28.83	
1800.00	1800.00	1821.50	325.85	182.15	182.15	6.21	4888.23	5074.46	27.25	
1900.00	1900.00	1921.50	325.85	192.15	192.15	6.36	4878.03	5074.46	25.83	
2000.00	2000.00	2021.50	325.85	202.15	202.15	6.51	4867.84	5074.46	24.56	
2100.00	2100.00	2121.50	325.85	212.15	212.15	6.67	4857.64	5074.46	23.40	
2200.00	2200.00	2221.50	325.85	222.15	222.15	6.82	4847.44	5074.46	22.35	
2300.00	2300.00	2321.50	325.85	232.15	232.15	6.98	4837.24	5074.46	21.39	
2400.00	2400.00	2421.50	325.85	242.15	242.15	7.15	4827.04	5074.46	20.51	
2500.00	2500.00	2521.50	325.85	252.15	252.15	7.32	4816.85	5074.46	19.70	
2600.00	2600.00	2621.50	325.85	262.15	262.15	7.49	4806.65	5074.46	18.95	
2700.00	2700.00	2721.50	325.85	272.15	272.15	7.66	4796.45	5074.46	18.25	
2800.00	2800.00	2821.50	325.85	282.15	282.15	7.83	4786.25	5074.46	17.61	
2900.00	2900.00	2921.50	325.85	292.15	292.15	8.01	4776.05	5074.46	17.01	
3000.00	3000.00	3021.50	325.85	302.15	302.15	8.19	4765.86	5074.46	16.44	
3100.00	3100.00	3121.50	325.85	312.15	312.15	8.37	4755.66	5074.46	15.92	
3200.00	3200.00	3221.50	325.85	322.15	322.15	8.56	4745.46	5074.46	15.42	
3300.00	3300.00	3321.50	325.85	332.15	332.15	8.74	4735.26	5074.46	14.96	
3400.00	3400.00	3421.50	325.85	342.15	342.15	8.94	4725.06	5074.46	14.52	
3500.00	3500.00	3521.50	325.85	352.15	352.15	9.13	4714.87	5074.46	14.11	
3600.00	3600.00	3621.50	325.85	362.15	362.15	9.32	4704.67	5074.46	13.72	
3700.00	3700.00	3721.50	325.85	372.15	372.15	9.52	4694.47	5074.46	13.35	
3800.00	3800.00	3821.50	325.85	382.15	382.15	9.72	4684.27	5074.46	13.01	
3900.00	3900.00	3921.50	325.85	392.15	392.15	9.93	4674.07	5074.46	12.67	
4000.00	4000.00	4021.50	325.85	402.15	402.15	10.14	4663.88	5074.46	12.36	
4100.00	4100.00	4121.50	325.85	412.15	412.15	10.35	4653.68	5074.46	12.06	
4200.00	4200.00	4221.50	325.85	422.15	422.15	10.56	4643.48	5074.46	11.77	
4300.00	4300.00	4321.50	325.85	432.15	432.15	10.78	4633.28	5074.46	11.50	
4400.00	4400.00	4421.50	325.85	442.15	442.15	11.00	4623.08	5074.46	11.24	
4500.00	4500.00	4521.50	325.85	452.15	452.15	11.22	4612.89	5074.46	10.99	
4600.00	4600.00	4621.50	325.85	462.15	462.15	11.45	4602.69	5074.46	10.76	
4700.00	4700.00	4721.50	325.85	472.15	472.15	11.68	4592.49	5074.46	10.53	
4800.00	4800.00	4821.50	325.85	482.15	482.15	11.91	4582.29	5074.46	10.31	
4900.00	4900.00	4921.50	325.85	492.15	492.15	12.15	4572.10	5074.46	10.10	
5000.00	5000.00	5021.50	325.85	502.15	502.15	12.39	4561.90	5074.46	9.90	
5100.00	5100.00	5121.50	325.85	512.15	512.15	12.63	4551.70	5074.46	9.71	
5200.00	5200.00	5221.50	325.85	522.15	522.15	12.88	4541.50	5074.46	9.52	
5300.00	5300.00	5321.50	325.85	532.15	532.15	13.13	4531.30	5074.46	9.34	

5D Anti-Collision Report

Secondary Well: Curry State #2 (Active) (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
5400.00	5400.00	5421.50	325.85	542.15	542.15	13.39	4521.11	5074.46	9.17	
5500.00	5500.00	5521.50	325.85	552.15	552.15	13.65	4510.91	5074.46	9.00	
5600.00	5600.00	5621.50	325.85	562.15	562.15	13.91	4500.71	5074.46	8.84	
5700.00	5700.00	5721.50	325.85	572.15	572.15	14.18	4490.51	5074.46	8.69	
5800.00	5800.00	5821.50	325.85	582.15	582.15	14.45	4480.31	5074.46	8.54	
5900.00	5900.00	5921.50	325.85	592.15	592.15	14.73	4470.12	5074.46	8.40	
6000.00	6000.00	6021.50	325.85	602.15	602.15	15.01	4459.92	5074.46	8.26	
6100.00	6100.00	6121.50	325.85	612.15	612.15	15.30	4449.72	5074.46	8.12	
6200.00	6200.00	6221.50	325.85	622.15	622.15	15.59	4439.52	5074.46	7.99	
6300.00	6300.00	6321.50	325.85	632.15	632.15	15.88	4429.32	5074.46	7.87	
6400.00	6400.00	6421.50	325.85	642.15	642.15	16.18	4419.13	5074.46	7.74	
6500.00	6500.00	6521.50	325.85	652.15	652.15	16.49	4408.93	5074.46	7.62	
6600.00	6600.00	6621.50	325.85	662.15	662.15	16.80	4398.73	5074.46	7.51	
6700.00	6700.00	6721.50	325.85	672.15	672.15	17.11	4388.53	5074.46	7.40	
6800.00	6800.00	6821.50	325.85	682.15	682.15	17.43	4378.33	5074.46	7.29	
6900.00	6900.00	6921.50	325.85	692.15	692.15	17.76	4368.14	5074.46	7.18	
7000.00	7000.00	7021.50	325.85	702.15	702.15	18.08	4357.94	5074.46	7.08	
7100.00	7100.00	7121.50	325.85	712.15	712.15	18.42	4347.74	5074.46	6.98	
7200.00	7200.00	7221.50	325.85	722.15	722.15	18.76	4337.54	5074.46	6.89	
7300.00	7300.00	7321.50	325.85	732.15	732.15	19.10	4327.34	5074.46	6.79	
7400.00	7400.00	7421.50	325.85	742.15	742.15	19.45	4317.15	5074.46	6.70	
7500.00	7500.00	7521.50	325.85	752.15	752.15	19.81	4306.95	5074.46	6.61	
7600.00	7600.00	7621.50	325.85	762.15	762.15	20.17	4296.75	5074.46	6.52	
7700.00	7700.00	7721.50	325.85	772.15	772.15	20.53	4286.55	5074.46	6.44	
7800.00	7800.00	7821.50	325.85	782.15	782.15	20.90	4276.35	5074.46	6.36	
7900.00	7900.00	7921.50	325.85	792.15	792.15	21.28	4266.16	5074.46	6.28	
8000.00	8000.00	8021.50	325.85	802.15	802.15	21.66	4255.96	5074.46	6.20	
8100.00	8100.00	8121.50	325.85	812.15	812.15	22.05	4245.76	5074.46	6.12	
8200.00	8200.00	8221.50	325.85	822.15	822.15	22.44	4235.56	5074.46	6.05	
8300.00	8300.00	8321.50	325.85	832.15	832.15	22.83	4225.36	5074.46	5.98	
8400.00	8400.00	8421.50	325.85	842.15	842.15	23.24	4215.17	5074.46	5.91	
8500.00	8500.00	8521.50	325.85	852.15	852.15	23.65	4204.97	5074.46	5.84	
8600.00	8600.00	8621.50	325.85	862.15	862.15	24.06	4194.77	5074.46	5.77	
8700.00	8700.00	8721.50	325.85	872.15	872.15	24.48	4184.57	5074.46	5.70	
8800.00	8800.00	8821.50	325.85	882.15	882.15	24.91	4174.38	5074.46	5.64	
8900.00	8900.00	8921.50	325.85	892.15	892.15	25.34	4164.18	5074.46	5.57	
9000.00	9000.00	9021.50	325.85	902.15	902.15	25.78	4153.98	5074.46	5.51	
9100.00	9100.00	9121.50	325.85	912.15	912.15	26.22	4143.78	5074.46	5.45	
9200.00	9200.00	9221.50	325.85	922.15	922.15	26.67	4133.58	5074.46	5.39	
9300.00	9300.00	9321.50	325.85	932.15	932.15	27.12	4123.39	5074.46	5.34	
9400.00	9400.00	9421.50	325.85	942.15	942.15	27.59	4113.19	5074.46	5.28	
9500.00	9500.00	9521.50	325.85	952.15	952.15	28.05	4102.99	5074.46	5.22	
9600.00	9600.00	9621.50	325.85	962.15	962.15	28.52	4092.79	5074.46	5.17	
9700.00	9700.00	9721.50	325.85	972.15	972.15	29.00	4082.59	5074.46	5.12	
9800.00	9800.00	9821.50	325.85	982.15	982.15	29.48	4072.40	5074.46	5.06	
9900.00	9900.00	9921.50	325.85	992.15	992.15	29.97	4062.20	5074.46	5.01	
10000.00	10000.00	10021.50	325.85	1002.15	1002.15	30.47	4052.00	5074.46	4.96	
10100.00	10100.00	10121.50	325.85	1012.15	1012.15	30.97	4041.80	5074.46	4.91	
10200.00	10200.00	10221.50	325.85	1022.15	1022.15	31.48	4031.60	5074.46	4.87	
10300.00	10300.00	10321.50	325.85	1032.15	1032.15	31.99	4021.41	5074.46	4.82	
10400.00	10400.00	10421.50	325.85	1042.15	1042.15	32.51	4011.21	5074.46	4.77	
10500.00	10500.00	10521.50	325.85	1052.15	1052.15	33.04	4001.01	5074.46	4.73	
10600.00	10600.00	10621.50	325.85	1062.15	1062.15	33.57	3990.81	5074.46	4.68	
10700.00	10700.00	10721.50	325.85	1072.15	1072.15	34.10	3980.61	5074.46	4.64	
10800.00	10800.00	10821.50	325.85	1082.15	1082.15	34.65	3970.42	5074.46	4.60	
10900.00	10899.80	10921.30	324.79	1092.13	1092.13	35.20	3956.44	5070.66	4.55	
11000.00	10997.39	11018.89	323.62	1101.89	1101.89	35.74	3929.26	5053.25	4.50	
11100.00	11089.79	11111.29	321.38	1111.13	1111.13	36.25	3889.30	5022.31	4.43	

5D Anti-Collision Report

Secondary Well: Curry State #2 (Active) (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
11200.00	11174.21	11195.71	317.88	1119.57	1119.57	36.73	3837.82	4978.89	4.36	
11300.00	11248.09	11269.59	312.83	1126.96	1126.96	37.15	3775.43	4924.49	4.29	
11400.00	11309.17	11330.67	305.90	1133.07	1133.07	37.51	3704.72	4860.94	4.20	
11500.00	11355.60	11377.10	296.81	1137.71	1137.71	37.77	3628.46	4790.37	4.12	
11600.00	11385.97	11407.47	285.68	1140.75	1140.75	37.95	3549.17	4715.11	4.04	
11700.00	11399.36	11420.86	273.36	1142.09	1142.09	38.03	3469.43	4637.59	3.97	
11800.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	3391.16	4560.13	3.90	
11900.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	3314.01	4483.54	3.83	
12000.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	3237.92	4407.90	3.77	
12100.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	3162.95	4333.24	3.70	
12200.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	3089.26	4259.62	3.64	
12300.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	3016.92	4187.09	3.58	
12400.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2946.04	4115.72	3.52	
12500.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2876.21	4045.56	3.46	
12600.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2804.75	3976.67	3.39	
12700.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2734.91	3909.14	3.33	
12800.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2666.83	3843.01	3.27	
12900.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2600.60	3778.38	3.21	
13000.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2536.37	3715.31	3.15	
13100.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2474.14	3653.89	3.10	
13200.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2414.10	3594.21	3.05	
13300.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2356.47	3536.35	3.00	
13400.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2298.40	3480.39	2.94	
13500.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2241.11	3426.45	2.89	
13600.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2186.48	3374.60	2.84	
13700.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2134.63	3324.96	2.79	
13800.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2085.94	3277.61	2.75	
13900.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	2040.53	3232.67	2.71	
14000.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1998.47	3190.23	2.68	
14100.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1954.48	3150.39	2.63	
14200.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1913.76	3113.25	2.60	
14300.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1876.85	3078.92	2.56	
14400.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1843.92	3047.48	2.53	
14500.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1815.13	3019.03	2.51	
14600.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1789.20	2993.65	2.49	SF(Lo)
14700.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1762.50	2971.42	2.46	SF(Lo)
14800.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1740.24	2952.41	2.44	SF(Lo)
14900.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1722.57	2936.69	2.42	SF(Lo)
15000.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1709.61	2924.30	2.41	SF(Lo)
15100.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1701.40	2915.29	2.40	SF(Lo)
15200.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1691.23	2909.70	2.39	SF(Lo)
15300.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1685.90	2907.53	2.38	SF(Lo)
15400.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1685.45	2908.80	2.38	SF(Lo)
15500.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1689.87	2913.51	2.38	SF(Lo)
15600.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1699.15	2921.63	2.39	SF(Lo)
15700.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1707.04	2933.14	2.39	SF(Lo)
15800.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1719.12	2948.01	2.40	SF(Lo)
15900.00	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1735.90	2966.16	2.41	SF(Lo)
15905.95	11400.00	11421.50	270.00	1142.15	1142.15	38.03	1737.04	2967.35	2.41	SF(Lo)

Secondary Well: Curry State #1 (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	10.50	0.00	357.28	0.00	0.00	0.00	4423.62	4424.26	6917.66	
100.00	100.00	89.50	357.28	8.95	8.95	2.48	4414.56	4424.25	456.65	
200.00	200.00	189.50	357.28	18.95	18.95	4.62	4404.35	4424.25	222.32	
300.00	300.00	289.50	357.28	28.95	28.95	4.65	4394.14	4424.25	146.92	
400.00	400.00	389.50	357.28	38.95	38.95	4.69	4383.92	4424.25	109.71	
500.00	500.00	489.50	357.28	48.95	48.95	4.74	4373.71	4424.25	87.54	

5D Anti-Collision Report

Secondary Well: Curry State #1 (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
600.00	600.00	589.50	357.28	58.95	58.95	4.81	4363.50	4424.25	72.82	
700.00	700.00	689.50	357.28	68.95	68.95	4.88	4353.28	4424.25	62.34	
800.00	800.00	789.50	357.28	78.95	78.95	4.96	4343.07	4424.25	54.50	
900.00	900.00	889.50	357.28	88.95	88.95	5.06	4332.86	4424.25	48.41	
1000.00	1000.00	989.50	357.28	98.95	98.95	5.15	4322.64	4424.25	43.54	
1100.00	1100.00	1089.50	357.28	108.95	108.95	5.26	4312.43	4424.25	39.57	
1200.00	1200.00	1189.50	357.28	118.95	118.95	5.37	4302.22	4424.25	36.25	
1300.00	1300.00	1289.50	357.28	128.95	128.95	5.49	4292.00	4424.25	33.45	
1400.00	1400.00	1389.50	357.28	138.95	138.95	5.62	4281.79	4424.25	31.06	
1500.00	1500.00	1489.50	357.28	148.95	148.95	5.74	4271.58	4424.25	28.98	
1600.00	1600.00	1589.50	357.28	158.95	158.95	5.88	4261.36	4424.25	27.16	
1700.00	1700.00	1689.50	357.28	168.95	168.95	6.02	4251.15	4424.25	25.56	
1800.00	1800.00	1789.50	357.28	178.95	178.95	6.16	4240.94	4424.25	24.14	
1900.00	1900.00	1889.50	357.28	188.95	188.95	6.31	4230.72	4424.25	22.86	
2000.00	2000.00	1989.50	357.28	198.95	198.95	6.46	4220.51	4424.25	21.72	
2100.00	2100.00	2089.50	357.28	208.95	208.95	6.61	4210.30	4424.25	20.68	
2200.00	2200.00	2189.50	357.28	218.95	218.95	6.77	4200.08	4424.25	19.74	
2300.00	2300.00	2289.50	357.28	228.95	228.95	6.93	4189.87	4424.25	18.88	
2400.00	2400.00	2389.50	357.28	238.95	238.95	7.09	4179.66	4424.25	18.09	
2500.00	2500.00	2489.50	357.28	248.95	248.95	7.26	4169.44	4424.25	17.36	
2600.00	2600.00	2589.50	357.28	258.95	258.95	7.43	4159.23	4424.25	16.69	
2700.00	2700.00	2689.50	357.28	268.95	268.95	7.60	4149.02	4424.25	16.07	
2800.00	2800.00	2789.50	357.28	278.95	278.95	7.77	4138.80	4424.25	15.50	
2900.00	2900.00	2889.50	357.28	288.95	288.95	7.95	4128.59	4424.25	14.96	
3000.00	3000.00	2989.50	357.28	298.95	298.95	8.13	4118.38	4424.25	14.46	
3100.00	3100.00	3089.50	357.28	308.95	308.95	8.31	4108.17	4424.25	14.00	
3200.00	3200.00	3189.50	357.28	318.95	318.95	8.50	4097.95	4424.25	13.56	
3300.00	3300.00	3289.50	357.28	328.95	328.95	8.68	4087.74	4424.25	13.15	
3400.00	3400.00	3389.50	357.28	338.95	338.95	8.87	4077.53	4424.25	12.76	
3500.00	3500.00	3489.50	357.28	348.95	348.95	9.07	4067.31	4424.25	12.40	
3600.00	3600.00	3589.50	357.28	358.95	358.95	9.26	4057.10	4424.25	12.05	
3700.00	3700.00	3689.50	357.28	368.95	368.95	9.46	4046.89	4424.25	11.72	
3800.00	3800.00	3789.50	357.28	378.95	378.95	9.66	4036.67	4424.25	11.42	
3900.00	3900.00	3889.50	357.28	388.95	388.95	9.87	4026.46	4424.25	11.12	
4000.00	4000.00	3989.50	357.28	398.95	398.95	10.07	4016.25	4424.25	10.84	
4100.00	4100.00	4089.50	357.28	408.95	408.95	10.28	4006.03	4424.25	10.58	
4200.00	4200.00	4189.50	357.28	418.95	418.95	10.50	3995.82	4424.25	10.33	
4300.00	4300.00	4289.50	357.28	428.95	428.95	10.71	3985.61	4424.25	10.09	
4400.00	4400.00	4389.50	357.28	438.95	438.95	10.93	3975.39	4424.25	9.86	
4500.00	4500.00	4489.50	357.28	448.95	448.95	11.15	3965.18	4424.25	9.64	
4600.00	4600.00	4589.50	357.28	458.95	458.95	11.38	3954.97	4424.25	9.43	
4700.00	4700.00	4689.50	357.28	468.95	468.95	11.61	3944.75	4424.25	9.23	
4800.00	4800.00	4789.50	357.28	478.95	478.95	11.84	3934.54	4424.25	9.03	
4900.00	4900.00	4889.50	357.28	488.95	488.95	12.08	3924.33	4424.25	8.85	
5000.00	5000.00	4989.50	357.28	498.95	498.95	12.32	3914.11	4424.25	8.67	
5100.00	5100.00	5089.50	357.28	508.95	508.95	12.56	3903.90	4424.25	8.50	
5200.00	5200.00	5189.50	357.28	518.95	518.95	12.81	3893.69	4424.25	8.34	
5300.00	5300.00	5289.50	357.28	528.95	528.95	13.06	3883.47	4424.25	8.18	
5400.00	5400.00	5389.50	357.28	538.95	538.95	13.32	3873.26	4424.25	8.03	
5500.00	5500.00	5489.50	357.28	548.95	548.95	13.58	3863.05	4424.25	7.88	
5600.00	5600.00	5589.50	357.28	558.95	558.95	13.84	3852.83	4424.25	7.74	
5700.00	5700.00	5689.50	357.28	568.95	568.95	14.11	3842.62	4424.25	7.61	
5800.00	5800.00	5789.50	357.28	578.95	578.95	14.38	3832.41	4424.25	7.48	
5900.00	5900.00	5889.50	357.28	588.95	588.95	14.66	3822.19	4424.25	7.35	
6000.00	6000.00	5989.50	357.28	598.95	598.95	14.94	3811.98	4424.25	7.23	
6100.00	6100.00	6089.50	357.28	608.95	608.95	15.23	3801.77	4424.25	7.11	
6200.00	6200.00	6189.50	357.28	618.95	618.95	15.52	3791.55	4424.25	6.99	
6300.00	6300.00	6289.50	357.28	628.95	628.95	15.81	3781.34	4424.25	6.88	

5D Anti-Collision Report

Secondary Well: Curry State #1 (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
6400.00	6400.00	6389.50	357.28	638.95	638.95	16.11	3771.13	4424.25	6.77	
6500.00	6500.00	6489.50	357.28	648.95	648.95	16.41	3760.92	4424.25	6.67	
6600.00	6600.00	6589.50	357.28	658.95	658.95	16.72	3750.70	4424.25	6.57	
6700.00	6700.00	6689.50	357.28	668.95	668.95	17.04	3740.49	4424.25	6.47	
6800.00	6800.00	6789.50	357.28	678.95	678.95	17.36	3730.28	4424.25	6.38	
6900.00	6900.00	6889.50	357.28	688.95	688.95	17.68	3720.06	4424.25	6.28	
7000.00	7000.00	6989.50	357.28	698.95	698.95	18.01	3709.85	4424.25	6.19	
7100.00	7100.00	7089.50	357.28	708.95	708.95	18.34	3699.64	4424.25	6.11	
7200.00	7200.00	7189.50	357.28	718.95	718.95	18.68	3689.42	4424.25	6.02	
7300.00	7300.00	7289.50	357.28	728.95	728.95	19.02	3679.21	4424.25	5.94	
7400.00	7400.00	7389.50	357.28	738.95	738.95	19.37	3669.00	4424.25	5.86	
7500.00	7500.00	7489.50	357.28	748.95	748.95	19.73	3658.78	4424.25	5.78	
7600.00	7600.00	7589.50	357.28	758.95	758.95	20.09	3648.57	4424.25	5.70	
7700.00	7700.00	7689.50	357.28	768.95	768.95	20.45	3638.36	4424.25	5.63	
7800.00	7800.00	7789.50	357.28	778.95	778.95	20.82	3628.14	4424.25	5.56	
7900.00	7900.00	7889.50	357.28	788.95	788.95	21.20	3617.93	4424.25	5.49	
8000.00	8000.00	7989.50	357.28	798.95	798.95	21.58	3607.72	4424.25	5.42	
8100.00	8100.00	8089.50	357.28	808.95	808.95	21.96	3597.50	4424.25	5.35	
8200.00	8200.00	8189.50	357.28	818.95	818.95	22.35	3587.29	4424.25	5.29	
8300.00	8300.00	8289.50	357.28	828.95	828.95	22.75	3577.08	4424.25	5.22	
8400.00	8400.00	8389.50	357.28	838.95	838.95	23.15	3566.86	4424.25	5.16	
8500.00	8500.00	8489.50	357.28	848.95	848.95	23.56	3556.65	4424.25	5.10	
8600.00	8600.00	8589.50	357.28	858.95	858.95	23.98	3546.44	4424.25	5.04	
8700.00	8700.00	8689.50	357.28	868.95	868.95	24.40	3536.22	4424.25	4.98	
8800.00	8800.00	8789.50	357.28	878.95	878.95	24.82	3526.01	4424.25	4.93	
8900.00	8900.00	8889.50	357.28	888.95	888.95	25.25	3515.80	4424.25	4.87	
9000.00	9000.00	8989.50	357.28	898.95	898.95	25.69	3505.58	4424.25	4.82	
9100.00	9100.00	9089.50	357.28	908.95	908.95	26.13	3495.37	4424.25	4.76	
9200.00	9200.00	9189.50	357.28	918.95	918.95	26.58	3485.16	4424.25	4.71	
9300.00	9300.00	9289.50	357.28	928.95	928.95	27.03	3474.94	4424.25	4.66	
9400.00	9400.00	9389.50	357.28	938.95	938.95	27.49	3464.73	4424.25	4.61	
9500.00	9500.00	9489.50	357.28	948.95	948.95	27.96	3454.52	4424.25	4.56	
9600.00	9600.00	9589.50	357.28	958.95	958.95	28.43	3444.30	4424.25	4.51	
9700.00	9700.00	9689.50	357.28	968.95	968.95	28.91	3434.09	4424.25	4.47	
9800.00	9800.00	9789.50	357.28	978.95	978.95	29.39	3423.88	4424.25	4.42	
9900.00	9900.00	9889.50	357.28	988.95	988.95	29.88	3413.67	4424.25	4.38	
10000.00	10000.00	9989.50	357.28	998.95	998.95	30.37	3403.45	4424.25	4.33	
10100.00	10100.00	10089.50	357.28	1008.95	1008.95	30.88	3393.24	4424.25	4.29	
10200.00	10200.00	10189.50	357.28	1018.95	1018.95	31.38	3383.03	4424.25	4.25	
10300.00	10300.00	10289.50	357.28	1028.95	1028.95	31.89	3372.81	4424.25	4.21	
10400.00	10400.00	10389.50	357.28	1038.95	1038.95	32.41	3362.60	4424.25	4.17	
10500.00	10500.00	10489.50	357.28	1048.95	1048.95	32.94	3352.39	4424.25	4.13	
10600.00	10600.00	10589.50	357.28	1058.95	1058.95	33.47	3342.17	4424.25	4.09	
10700.00	10700.00	10689.50	357.28	1068.95	1068.95	34.00	3331.96	4424.25	4.05	
10800.00	10800.00	10789.50	357.28	1078.95	1078.95	34.55	3321.75	4424.25	4.01	
10900.00	10899.80	10889.30	356.44	1088.93	1088.93	35.09	3306.95	4419.62	3.97	
11000.00	10997.39	10986.89	356.28	1098.69	1098.69	35.63	3275.76	4398.39	3.92	
11100.00	11089.79	11079.29	355.97	1107.93	1107.93	36.15	3228.50	4360.57	3.85	
11200.00	11174.21	11163.71	355.45	1116.37	1116.37	36.63	3166.66	4307.32	3.78	
11300.00	11248.09	11237.59	354.58	1123.76	1123.76	37.05	3092.13	4240.24	3.69	
11400.00	11309.17	11298.67	353.08	1129.87	1129.87	37.40	3007.14	4161.39	3.61	
11500.00	11355.60	11345.10	350.15	1134.51	1134.51	37.67	2914.28	4073.16	3.51	
11600.00	11385.97	11375.47	342.67	1137.55	1137.55	37.85	2816.37	3978.24	3.42	
11700.00	11399.36	11388.86	303.83	1138.89	1138.89	37.92	2716.38	3879.50	3.34	
11800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2616.70	3779.77	3.25	
11900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2517.08	3680.03	3.16	
12000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2417.47	3580.32	3.08	
12100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2317.90	3480.61	2.99	

5D Anti-Collision Report

Secondary Well: Curry State #1 (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
12200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2218.35	3380.93	2.91	
12300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2118.84	3281.26	2.82	
12400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	2019.37	3181.62	2.74	
12500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1919.94	3082.00	2.65	
12600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1820.57	2982.40	2.57	
12700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1721.25	2882.84	2.48	SF(Lo)
12800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1622.00	2783.30	2.40	SF(Lo)
12900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1522.72	2683.80	2.31	SF(Lo)
13000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1422.78	2584.33	2.22	SF(Lo)
13100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1322.87	2484.91	2.14	SF(Lo)
13200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1223.01	2385.54	2.05	SF(Lo)
13300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1123.24	2286.22	1.97	SF(Lo)
13400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	1023.50	2186.97	1.88	SF(Lo)
13500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	923.74	2087.78	1.79	SF(Lo)
13600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	824.01	1988.68	1.71	SF(Lo)
13700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	724.45	1889.67	1.62	SF(Lo)
13800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	624.96	1790.78	1.54	SF(Lo)
13900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	525.73	1692.01	1.45	SF(Med)
14000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	426.51	1593.39	1.37	SF(Med)
14100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	327.56	1494.96	1.28	SF(Med)
14200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	228.94	1396.75	1.20	SF(Med)
14300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	130.77	1298.82	1.11	SF(Med)
14400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	33.17	1201.23	1.03	SF(Med)
14500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-63.57	1104.06	0.95	SF(Hi)
14600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-159.24	1007.46	0.86	SF(Hi)
14700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-258.61	911.58	0.78	SF(Hi)
14800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-356.91	816.70	0.70	SF(Hi)
14900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-452.93	723.19	0.61	SF(Hi)
15000.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-543.97	631.68	0.54	SF(Hi)
15100.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-640.86	543.17	0.46	SF(Hi)
15200.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-727.48	459.39	0.39	SF(Hi)
15300.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-812.11	383.48	0.32	SF(Hi)
15400.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-887.43	321.04	0.27	SF(Hi)
15500.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-934.47	281.21	0.23	SF(Hi)
15600.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-945.69	274.03	0.22	SF(Hi)
15700.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-912.01	301.83	0.25	SF(Hi)
15800.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-851.51	356.53	0.30	SF(Hi)
15900.00	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-771.65	427.93	0.36	SF(Hi)
15905.95	11400.00	11389.50	270.00	1138.95	1138.95	37.93	-766.59	432.54	0.36	SF(Hi)

Secondary Well: North Antelope Ridge #1 (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	0.50	0.00	333.83	0.00	0.00	0.00	3441.60	3442.24	5382.24	
100.00	100.00	99.50	333.83	9.95	9.95	2.75	3431.57	3442.24	322.42	
200.00	200.00	199.50	333.83	19.95	19.95	4.62	3421.37	3442.24	164.88	
300.00	300.00	299.50	333.83	29.95	29.95	4.65	3411.16	3442.24	110.76	
400.00	400.00	399.50	333.83	39.95	39.95	4.70	3400.96	3442.24	83.39	
500.00	500.00	499.50	333.83	49.95	49.95	4.75	3390.76	3442.24	66.86	
600.00	600.00	599.50	333.83	59.95	59.95	4.82	3380.56	3442.24	55.80	
700.00	700.00	699.50	333.83	69.95	69.95	4.89	3370.36	3442.24	47.88	
800.00	800.00	799.50	333.83	79.95	79.95	4.97	3360.16	3442.24	41.93	
900.00	900.00	899.50	333.83	89.95	89.95	5.07	3349.95	3442.24	37.30	
1000.00	1000.00	999.50	333.83	99.95	99.95	5.16	3339.75	3442.24	33.59	
1100.00	1100.00	1099.50	333.83	109.95	109.95	5.27	3329.55	3442.24	30.54	
1200.00	1200.00	1199.50	333.83	119.95	119.95	5.38	3319.35	3442.24	28.01	
1300.00	1300.00	1299.50	333.83	129.95	129.95	5.50	3309.15	3442.24	25.86	
1400.00	1400.00	1399.50	333.83	139.95	139.95	5.63	3298.94	3442.24	24.02	
1500.00	1500.00	1499.50	333.83	149.95	149.95	5.76	3288.74	3442.24	22.42	

5D Anti-Collision Report

Secondary Well: North Antelope Ridge #1 (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
1600.00	1600.00	1599.50	333.83	159.95	159.95	5.89	3278.54	3442.24	21.03	
1700.00	1700.00	1699.50	333.83	169.95	169.95	6.03	3268.34	3442.24	19.79	
1800.00	1800.00	1799.50	333.83	179.95	179.95	6.18	3258.14	3442.24	18.70	
1900.00	1900.00	1899.50	333.83	189.95	189.95	6.32	3247.93	3442.24	17.72	
2000.00	2000.00	1999.50	333.83	199.95	199.95	6.47	3237.73	3442.24	16.83	
2100.00	2100.00	2099.50	333.83	209.95	209.95	6.63	3227.53	3442.24	16.03	
2200.00	2200.00	2199.50	333.83	219.95	219.95	6.79	3217.33	3442.24	15.30	
2300.00	2300.00	2299.50	333.83	229.95	229.95	6.95	3207.13	3442.24	14.64	
2400.00	2400.00	2399.50	333.83	239.95	239.95	7.11	3196.92	3442.24	14.03	
2500.00	2500.00	2499.50	333.83	249.95	249.95	7.28	3186.72	3442.24	13.47	
2600.00	2600.00	2599.50	333.83	259.95	259.95	7.45	3176.52	3442.24	12.95	
2700.00	2700.00	2699.50	333.83	269.95	269.95	7.62	3166.32	3442.24	12.48	
2800.00	2800.00	2799.50	333.83	279.95	279.95	7.79	3156.12	3442.24	12.03	
2900.00	2900.00	2899.50	333.83	289.95	289.95	7.97	3145.91	3442.24	11.62	
3000.00	3000.00	2999.50	333.83	299.95	299.95	8.15	3135.71	3442.24	11.23	
3100.00	3100.00	3099.50	333.83	309.95	309.95	8.33	3125.51	3442.24	10.87	
3200.00	3200.00	3199.50	333.83	319.95	319.95	8.52	3115.31	3442.24	10.53	
3300.00	3300.00	3299.50	333.83	329.95	329.95	8.70	3105.11	3442.24	10.21	
3400.00	3400.00	3399.50	333.83	339.95	339.95	8.89	3094.90	3442.24	9.91	
3500.00	3500.00	3499.50	333.83	349.95	349.95	9.09	3084.70	3442.24	9.63	
3600.00	3600.00	3599.50	333.83	359.95	359.95	9.28	3074.50	3442.24	9.36	
3700.00	3700.00	3699.50	333.83	369.95	369.95	9.48	3064.30	3442.24	9.11	
3800.00	3800.00	3799.50	333.83	379.95	379.95	9.68	3054.10	3442.24	8.87	
3900.00	3900.00	3899.50	333.83	389.95	389.95	9.89	3043.89	3442.24	8.64	
4000.00	4000.00	3999.50	333.83	399.95	399.95	10.09	3033.69	3442.24	8.43	
4100.00	4100.00	4099.50	333.83	409.95	409.95	10.30	3023.49	3442.24	8.22	
4200.00	4200.00	4199.50	333.83	419.95	419.95	10.52	3013.29	3442.24	8.02	
4300.00	4300.00	4299.50	333.83	429.95	429.95	10.73	3003.09	3442.24	7.84	
4400.00	4400.00	4399.50	333.83	439.95	439.95	10.95	2992.88	3442.24	7.66	
4500.00	4500.00	4499.50	333.83	449.95	449.95	11.17	2982.68	3442.24	7.49	
4600.00	4600.00	4599.50	333.83	459.95	459.95	11.40	2972.48	3442.24	7.33	
4700.00	4700.00	4699.50	333.83	469.95	469.95	11.63	2962.28	3442.24	7.17	
4800.00	4800.00	4799.50	333.83	479.95	479.95	11.86	2952.08	3442.24	7.02	
4900.00	4900.00	4899.50	333.83	489.95	489.95	12.10	2941.87	3442.24	6.88	
5000.00	5000.00	4999.50	333.83	499.95	499.95	12.34	2931.67	3442.24	6.74	
5100.00	5100.00	5099.50	333.83	509.95	509.95	12.59	2921.47	3442.24	6.61	
5200.00	5200.00	5199.50	333.83	519.95	519.95	12.83	2911.27	3442.24	6.48	
5300.00	5300.00	5299.50	333.83	529.95	529.95	13.08	2901.07	3442.24	6.36	
5400.00	5400.00	5399.50	333.83	539.95	539.95	13.34	2890.86	3442.24	6.24	
5500.00	5500.00	5499.50	333.83	549.95	549.95	13.60	2880.66	3442.24	6.13	
5600.00	5600.00	5599.50	333.83	559.95	559.95	13.86	2870.46	3442.24	6.02	
5700.00	5700.00	5699.50	333.83	569.95	569.95	14.13	2860.26	3442.24	5.91	
5800.00	5800.00	5799.50	333.83	579.95	579.95	14.41	2850.06	3442.24	5.81	
5900.00	5900.00	5899.50	333.83	589.95	589.95	14.68	2839.85	3442.24	5.71	
6000.00	6000.00	5999.50	333.83	599.95	599.95	14.96	2829.65	3442.24	5.62	
6100.00	6100.00	6099.50	333.83	609.95	609.95	15.25	2819.45	3442.24	5.53	
6200.00	6200.00	6199.50	333.83	619.95	619.95	15.54	2809.25	3442.24	5.44	
6300.00	6300.00	6299.50	333.83	629.95	629.95	15.83	2799.05	3442.24	5.35	
6400.00	6400.00	6399.50	333.83	639.95	639.95	16.13	2788.85	3442.24	5.27	
6500.00	6500.00	6499.50	333.83	649.95	649.95	16.44	2778.64	3442.24	5.19	
6600.00	6600.00	6599.50	333.83	659.95	659.95	16.75	2768.44	3442.24	5.11	
6700.00	6700.00	6699.50	333.83	669.95	669.95	17.06	2758.24	3442.24	5.03	
6800.00	6800.00	6799.50	333.83	679.95	679.95	17.38	2748.04	3442.24	4.96	
6900.00	6900.00	6899.50	333.83	689.95	689.95	17.70	2737.84	3442.24	4.89	
7000.00	7000.00	6999.50	333.83	699.95	699.95	18.03	2727.63	3442.24	4.82	
7100.00	7100.00	7099.50	333.83	709.95	709.95	18.37	2717.43	3442.24	4.75	
7200.00	7200.00	7199.50	333.83	719.95	719.95	18.70	2707.23	3442.24	4.68	
7300.00	7300.00	7299.50	333.83	729.95	729.95	19.05	2697.03	3442.24	4.62	

5D Anti-Collision Report

Secondary Well: North Antelope Ridge #1 (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
7400.00	7400.00	7399.50	333.83	739.95	739.95	19.40	2686.83	3442.24	4.56	
7500.00	7500.00	7499.50	333.83	749.95	749.95	19.75	2676.62	3442.24	4.50	
7600.00	7600.00	7599.50	333.83	759.95	759.95	20.11	2666.42	3442.24	4.44	
7700.00	7700.00	7699.50	333.83	769.95	769.95	20.48	2656.22	3442.24	4.38	
7800.00	7800.00	7799.50	333.83	779.95	779.95	20.85	2646.02	3442.24	4.32	
7900.00	7900.00	7899.50	333.83	789.95	789.95	21.22	2635.82	3442.24	4.27	
8000.00	8000.00	7999.50	333.83	799.95	799.95	21.60	2625.61	3442.24	4.22	
8100.00	8100.00	8099.50	333.83	809.95	809.95	21.99	2615.41	3442.24	4.16	
8200.00	8200.00	8199.50	333.83	819.95	819.95	22.38	2605.21	3442.24	4.11	
8300.00	8300.00	8299.50	333.83	829.95	829.95	22.78	2595.01	3442.24	4.06	
8400.00	8400.00	8399.50	333.83	839.95	839.95	23.18	2584.81	3442.24	4.01	
8500.00	8500.00	8499.50	333.83	849.95	849.95	23.59	2574.60	3442.24	3.97	
8600.00	8600.00	8599.50	333.83	859.95	859.95	24.00	2564.40	3442.24	3.92	
8700.00	8700.00	8699.50	333.83	869.95	869.95	24.42	2554.20	3442.24	3.88	
8800.00	8800.00	8799.50	333.83	879.95	879.95	24.85	2544.00	3442.24	3.83	
8900.00	8900.00	8899.50	333.83	889.95	889.95	25.28	2533.80	3442.24	3.79	
9000.00	9000.00	8999.50	333.83	899.95	899.95	25.72	2523.59	3442.24	3.75	
9100.00	9100.00	9099.50	333.83	909.95	909.95	26.16	2513.39	3442.24	3.71	
9200.00	9200.00	9199.50	333.83	919.95	919.95	26.61	2503.19	3442.24	3.67	
9300.00	9300.00	9299.50	333.83	929.95	929.95	27.06	2492.99	3442.24	3.63	
9400.00	9400.00	9399.50	333.83	939.95	939.95	27.52	2482.79	3442.24	3.59	
9500.00	9500.00	9499.50	333.83	949.95	949.95	27.99	2472.58	3442.24	3.55	
9600.00	9600.00	9599.50	333.83	959.95	959.95	28.46	2462.38	3442.24	3.51	
9700.00	9700.00	9699.50	333.83	969.95	969.95	28.94	2452.18	3442.24	3.48	
9800.00	9800.00	9799.50	333.83	979.95	979.95	29.42	2441.98	3442.24	3.44	
9900.00	9900.00	9899.50	333.83	989.95	989.95	29.91	2431.78	3442.24	3.41	
10000.00	10000.00	9999.50	333.83	999.95	999.95	30.40	2421.57	3442.24	3.37	
10100.00	10100.00	10099.50	333.83	1009.95	1009.95	30.91	2411.37	3442.24	3.34	
10200.00	10200.00	10199.50	333.83	1019.95	1019.95	31.41	2401.17	3442.24	3.31	
10300.00	10300.00	10299.50	333.83	1029.95	1029.95	31.92	2390.97	3442.24	3.27	
10400.00	10400.00	10399.50	333.83	1039.95	1039.95	32.44	2380.77	3442.24	3.24	
10500.00	10500.00	10499.50	333.83	1049.95	1049.95	32.97	2370.56	3442.24	3.21	
10600.00	10600.00	10599.50	333.83	1059.95	1059.95	33.50	2360.36	3442.24	3.18	
10700.00	10700.00	10699.50	333.83	1069.95	1069.95	34.04	2350.16	3442.24	3.15	
10800.00	10800.00	10799.50	333.83	1079.95	1079.95	34.58	2339.96	3442.24	3.12	
10900.00	10899.80	10899.30	332.80	1089.93	1089.93	35.13	2325.55	3438.11	3.09	
11000.00	10997.39	10996.89	331.74	1099.69	1099.69	35.67	2296.45	3419.18	3.05	
11100.00	11089.79	11089.29	329.67	1108.93	1108.93	36.18	2253.09	3385.51	2.99	
11200.00	11174.21	11173.71	326.37	1117.37	1117.37	36.66	2196.75	3338.25	2.92	
11300.00	11248.09	11247.59	321.39	1124.76	1124.76	37.08	2129.40	3279.00	2.85	
11400.00	11309.17	11308.67	314.14	1130.87	1130.87	37.43	2053.37	3209.74	2.78	
11500.00	11355.60	11355.10	303.87	1135.51	1135.51	37.70	1971.23	3132.78	2.70	
11600.00	11385.97	11385.47	290.26	1138.55	1138.55	37.88	1885.77	3050.67	2.62	
11700.00	11399.36	11398.86	274.36	1139.89	1139.89	37.95	1799.83	2966.07	2.54	
11800.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1715.55	2881.54	2.47	SF(Lo)
11900.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1632.65	2798.02	2.40	SF(Lo)
12000.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1551.35	2715.62	2.33	SF(Lo)
12100.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1469.95	2634.43	2.26	SF(Lo)
12200.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1387.85	2554.58	2.19	SF(Lo)
12300.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1307.61	2476.19	2.12	SF(Lo)
12400.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1229.52	2399.41	2.05	SF(Lo)
12500.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1153.97	2324.39	1.99	SF(Lo)
12600.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1081.32	2251.32	1.92	SF(Lo)
12700.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1011.78	2180.38	1.87	SF(Lo)
12800.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	939.37	2111.80	1.80	SF(Lo)
12900.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	870.51	2045.82	1.74	SF(Lo)
13000.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	805.99	1982.68	1.68	SF(Lo)
13100.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	746.13	1922.67	1.63	SF(Lo)

5D Anti-Collision Report

Secondary Well: North Antelope Ridge #1 (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
13200.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	688.40	1866.09	1.58	SF(Lo)
13300.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	631.26	1813.27	1.53	SF(Lo)
13400.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	580.70	1764.53	1.49	SF(Med)
13500.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	537.17	1720.24	1.45	SF(Med)
13600.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	493.20	1680.73	1.42	SF(Med)
13700.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	455.70	1646.36	1.38	SF(Med)
13800.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	427.50	1617.45	1.36	SF(Med)
13900.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	400.31	1594.30	1.34	SF(Med)
14000.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	380.17	1577.16	1.32	SF(Med)
14100.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	370.92	1566.23	1.31	SF(Med)
14200.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	361.10	1561.64	1.30	SF(Med)
14300.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	361.64	1563.45	1.30	SF(Med)
14400.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	370.98	1571.63	1.31	SF(Med)
14500.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	381.29	1586.08	1.32	SF(Med)
14600.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	402.26	1606.64	1.33	SF(Med)
14700.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	429.03	1633.08	1.36	SF(Med)
14800.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	458.09	1665.11	1.38	SF(Med)
14900.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	496.28	1702.42	1.41	SF(Med)
15000.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	540.42	1744.67	1.45	SF(Med)
15100.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	584.45	1791.51	1.48	SF(Med)
15200.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	635.66	1842.59	1.53	SF(Lo)
15300.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	693.22	1897.58	1.58	SF(Lo)
15400.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	752.14	1956.13	1.62	SF(Lo)
15500.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	812.38	2017.94	1.67	SF(Lo)
15600.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	877.27	2082.72	1.73	SF(Lo)
15700.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	946.34	2150.20	1.79	SF(Lo)
15800.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1019.09	2220.14	1.85	SF(Lo)
15900.00	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1090.70	2292.30	1.91	SF(Lo)
15905.95	11400.00	11399.50	270.00	1139.95	1139.95	37.96	1094.96	2296.67	1.91	SF(Lo)

Secondary Well: Curry State #5(Active) (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	0.00	26.50	308.74	2.65	2.65	0.74	4905.49	4908.78	1492.67	
100.00	100.00	126.50	308.74	12.65	12.65	3.50	4895.39	4908.78	366.46	
200.00	200.00	226.50	308.74	22.65	22.65	4.63	4885.16	4908.78	207.85	
300.00	300.00	326.50	308.74	32.65	32.65	4.66	4874.94	4908.78	145.06	
400.00	400.00	426.50	308.74	42.65	42.65	4.71	4864.72	4908.78	111.41	
500.00	500.00	526.50	308.74	52.65	52.65	4.77	4854.50	4908.78	90.43	
600.00	600.00	626.50	308.74	62.65	62.65	4.84	4844.27	4908.78	76.10	
700.00	700.00	726.50	308.74	72.65	72.65	4.91	4834.05	4908.78	65.69	
800.00	800.00	826.50	308.74	82.65	82.65	5.00	4823.83	4908.78	57.78	
900.00	900.00	926.50	308.74	92.65	92.65	5.09	4813.61	4908.78	51.58	
1000.00	1000.00	1026.50	308.74	102.65	102.65	5.19	4803.39	4908.78	46.57	
1100.00	1100.00	1126.50	308.74	112.65	112.65	5.30	4793.16	4908.78	42.46	
1200.00	1200.00	1226.50	308.74	122.65	122.65	5.42	4782.94	4908.78	39.01	
1300.00	1300.00	1326.50	308.74	132.65	132.65	5.54	4772.72	4908.78	36.08	
1400.00	1400.00	1426.50	308.74	142.65	142.65	5.67	4762.50	4908.78	33.56	
1500.00	1500.00	1526.50	308.74	152.65	152.65	5.80	4752.27	4908.78	31.36	
1600.00	1600.00	1626.50	308.74	162.65	162.65	5.93	4742.05	4908.78	29.44	
1700.00	1700.00	1726.50	308.74	172.65	172.65	6.07	4731.83	4908.78	27.74	
1800.00	1800.00	1826.50	308.74	182.65	182.65	6.22	4721.61	4908.78	26.23	
1900.00	1900.00	1926.50	308.74	192.65	192.65	6.37	4711.38	4908.78	24.87	
2000.00	2000.00	2026.50	308.74	202.65	202.65	6.52	4701.16	4908.78	23.64	
2100.00	2100.00	2126.50	308.74	212.65	212.65	6.67	4690.94	4908.78	22.53	
2200.00	2200.00	2226.50	308.74	222.65	222.65	6.83	4680.72	4908.78	21.52	
2300.00	2300.00	2326.50	308.74	232.65	232.65	6.99	4670.49	4908.78	20.60	
2400.00	2400.00	2426.50	308.74	242.65	242.65	7.16	4660.27	4908.78	19.75	
2500.00	2500.00	2526.50	308.74	252.65	252.65	7.32	4650.05	4908.78	18.97	

5D Anti-Collision Report

Secondary Well: Curry State #5(Active) (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
2600.00	2600.00	2626.50	308.74	262.65	262.65	7.49	4639.83	4908.78	18.25	
2700.00	2700.00	2726.50	308.74	272.65	272.65	7.67	4629.61	4908.78	17.58	
2800.00	2800.00	2826.50	308.74	282.65	282.65	7.84	4619.38	4908.78	16.96	
2900.00	2900.00	2926.50	308.74	292.65	292.65	8.02	4609.16	4908.78	16.38	
3000.00	3000.00	3026.50	308.74	302.65	302.65	8.20	4598.94	4908.78	15.84	
3100.00	3100.00	3126.50	308.74	312.65	312.65	8.38	4588.72	4908.78	15.34	
3200.00	3200.00	3226.50	308.74	322.65	322.65	8.57	4578.49	4908.78	14.86	
3300.00	3300.00	3326.50	308.74	332.65	332.65	8.75	4568.27	4908.78	14.42	
3400.00	3400.00	3426.50	308.74	342.65	342.65	8.95	4558.05	4908.78	14.00	
3500.00	3500.00	3526.50	308.74	352.65	352.65	9.14	4547.83	4908.78	13.60	
3600.00	3600.00	3626.50	308.74	362.65	362.65	9.33	4537.60	4908.78	13.22	
3700.00	3700.00	3726.50	308.74	372.65	372.65	9.53	4527.38	4908.78	12.87	
3800.00	3800.00	3826.50	308.74	382.65	382.65	9.73	4517.16	4908.78	12.53	
3900.00	3900.00	3926.50	308.74	392.65	392.65	9.94	4506.94	4908.78	12.22	
4000.00	4000.00	4026.50	308.74	402.65	402.65	10.15	4496.72	4908.78	11.91	
4100.00	4100.00	4126.50	308.74	412.65	412.65	10.36	4486.49	4908.78	11.62	
4200.00	4200.00	4226.50	308.74	422.65	422.65	10.57	4476.27	4908.78	11.35	
4300.00	4300.00	4326.50	308.74	432.65	432.65	10.79	4466.05	4908.78	11.09	
4400.00	4400.00	4426.50	308.74	442.65	442.65	11.01	4455.83	4908.78	10.84	
4500.00	4500.00	4526.50	308.74	452.65	452.65	11.23	4445.60	4908.78	10.60	
4600.00	4600.00	4626.50	308.74	462.65	462.65	11.46	4435.38	4908.78	10.37	
4700.00	4700.00	4726.50	308.74	472.65	472.65	11.69	4425.16	4908.78	10.15	
4800.00	4800.00	4826.50	308.74	482.65	482.65	11.92	4414.94	4908.78	9.94	
4900.00	4900.00	4926.50	308.74	492.65	492.65	12.16	4404.71	4908.78	9.74	
5000.00	5000.00	5026.50	308.74	502.65	502.65	12.40	4394.49	4908.78	9.54	
5100.00	5100.00	5126.50	308.74	512.65	512.65	12.64	4384.27	4908.78	9.36	
5200.00	5200.00	5226.50	308.74	522.65	522.65	12.89	4374.05	4908.78	9.18	
5300.00	5300.00	5326.50	308.74	532.65	532.65	13.14	4363.83	4908.78	9.01	
5400.00	5400.00	5426.50	308.74	542.65	542.65	13.40	4353.60	4908.78	8.84	
5500.00	5500.00	5526.50	308.74	552.65	552.65	13.66	4343.38	4908.78	8.68	
5600.00	5600.00	5626.50	308.74	562.65	562.65	13.92	4333.16	4908.78	8.53	
5700.00	5700.00	5726.50	308.74	572.65	572.65	14.19	4322.94	4908.78	8.38	
5800.00	5800.00	5826.50	308.74	582.65	582.65	14.46	4312.71	4908.78	8.24	
5900.00	5900.00	5926.50	308.74	592.65	592.65	14.74	4302.49	4908.78	8.10	
6000.00	6000.00	6026.50	308.74	602.65	602.65	15.02	4292.27	4908.78	7.96	
6100.00	6100.00	6126.50	308.74	612.65	612.65	15.31	4282.05	4908.78	7.83	
6200.00	6200.00	6226.50	308.74	622.65	622.65	15.60	4271.82	4908.78	7.71	
6300.00	6300.00	6326.50	308.74	632.65	632.65	15.90	4261.60	4908.78	7.58	
6400.00	6400.00	6426.50	308.74	642.65	642.65	16.20	4251.38	4908.78	7.47	
6500.00	6500.00	6526.50	308.74	652.65	652.65	16.50	4241.16	4908.78	7.35	
6600.00	6600.00	6626.50	308.74	662.65	662.65	16.81	4230.93	4908.78	7.24	
6700.00	6700.00	6726.50	308.74	672.65	672.65	17.12	4220.71	4908.78	7.13	
6800.00	6800.00	6826.50	308.74	682.65	682.65	17.44	4210.49	4908.78	7.03	
6900.00	6900.00	6926.50	308.74	692.65	692.65	17.77	4200.27	4908.78	6.93	
7000.00	7000.00	7026.50	308.74	702.65	702.65	18.10	4190.05	4908.78	6.83	
7100.00	7100.00	7126.50	308.74	712.65	712.65	18.43	4179.82	4908.78	6.73	
7200.00	7200.00	7226.50	308.74	722.65	722.65	18.77	4169.60	4908.78	6.64	
7300.00	7300.00	7326.50	308.74	732.65	732.65	19.11	4159.38	4908.78	6.55	
7400.00	7400.00	7426.50	308.74	742.65	742.65	19.46	4149.16	4908.78	6.46	
7500.00	7500.00	7526.50	308.74	752.65	752.65	19.82	4138.93	4908.78	6.38	
7600.00	7600.00	7626.50	308.74	762.65	762.65	20.18	4128.71	4908.78	6.29	
7700.00	7700.00	7726.50	308.74	772.65	772.65	20.54	4118.49	4908.78	6.21	
7800.00	7800.00	7826.50	308.74	782.65	782.65	20.91	4108.27	4908.78	6.13	
7900.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4106.39	4909.38	6.11	
8000.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4109.16	4911.95	6.12	
8100.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4114.30	4916.56	6.13	
8200.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4121.79	4923.20	6.14	
8300.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4131.63	4931.85	6.16	

5D Anti-Collision Report

Secondary Well: Curry State #5(Active) (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
8400.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4143.79	4942.52	6.19	
8500.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4158.27	4955.18	6.22	
8600.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4174.99	4969.82	6.25	
8700.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4193.97	4986.42	6.29	
8800.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4215.19	5004.97	6.34	
8900.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4238.60	5025.43	6.39	
9000.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4264.18	5047.80	6.44	
9100.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4291.90	5072.04	6.50	
9200.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4321.70	5098.13	6.57	
9300.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4353.56	5126.03	6.64	
9400.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4387.43	5155.72	6.71	
9500.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4423.27	5187.17	6.79	
9600.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4461.03	5220.35	6.88	
9700.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4500.67	5255.22	6.96	
9800.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4542.13	5291.76	7.06	
9900.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4585.33	5329.91	7.16	
10000.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4630.26	5369.66	7.26	
10100.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4676.88	5410.97	7.37	
10200.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4725.14	5453.80	7.48	
10300.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4775.00	5498.11	7.60	
10400.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4826.40	5543.87	7.73	
10500.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4879.29	5591.04	7.86	
10600.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4933.64	5639.60	7.99	
10700.00	7823.50	7850.00	308.74	785.00	785.00	21.00	4989.40	5689.50	8.13	
10800.00	7823.50	7850.00	308.74	785.00	785.00	21.00	5046.51	5740.70	8.27	
10900.00	7823.50	7850.00	311.12	785.00	785.00	21.00	5102.60	5790.66	8.42	
11000.00	7823.50	7850.00	314.47	785.00	785.00	21.00	5150.50	5832.15	8.56	
11100.00	7823.50	7850.00	316.80	785.00	785.00	21.00	5188.68	5863.77	8.69	
11200.00	7823.50	7850.00	318.25	785.00	785.00	21.00	5216.32	5884.72	8.80	
11300.00	7823.50	7850.00	318.90	785.00	785.00	21.00	5232.70	5894.50	8.91	
11400.00	7823.50	7850.00	318.79	785.00	785.00	21.00	5237.40	5892.85	8.99	
11500.00	7823.50	7850.00	317.92	785.00	785.00	21.00	5230.21	5879.81	9.05	
11600.00	7823.50	7850.00	316.22	785.00	785.00	21.00	5210.18	5855.71	9.07	
11700.00	7823.50	7850.00	313.61	785.00	785.00	21.00	5178.14	5821.16	9.05	
11800.00	7823.50	7850.00	312.73	785.00	785.00	21.00	5138.62	5779.80	9.01	
11900.00	7823.50	7850.00	312.73	785.00	785.00	21.00	5100.25	5739.49	8.98	
12000.00	7823.50	7850.00	312.73	785.00	785.00	21.00	5063.48	5700.64	8.95	
12100.00	7823.50	7850.00	312.73	785.00	785.00	21.00	5028.25	5663.30	8.92	
12200.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4994.70	5627.48	8.89	
12300.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4962.87	5593.22	8.87	
12400.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4932.80	5560.55	8.86	
12500.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4902.99	5529.50	8.83	
12600.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4874.15	5500.09	8.79	
12700.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4847.14	5472.35	8.75	
12800.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4822.00	5446.30	8.72	
12900.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4798.77	5421.97	8.70	
13000.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4777.48	5399.39	8.68	
13100.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4758.08	5378.57	8.67	
13200.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4740.43	5359.53	8.66	
13300.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4722.51	5342.30	8.62	
13400.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4706.67	5326.90	8.59	
13500.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4692.74	5313.33	8.56	
13600.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4680.76	5301.61	8.54	
13700.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4671.02	5291.75	8.53	
13800.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4663.34	5283.77	8.52	
13900.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4657.26	5277.68	8.51	
14000.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4651.13	5273.47	8.47	
14100.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4647.18	5271.16	8.45	

5D Anti-Collision Report

Secondary Well: Curry State #5(Active) (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
14200.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4645.35	5270.74	8.43	
14300.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4645.47	5272.22	8.41	
14400.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4647.70	5275.60	8.40	
14500.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4652.06	5280.86	8.40	
14600.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4657.65	5288.02	8.39	
14700.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4663.66	5297.05	8.36	
14800.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4671.77	5307.95	8.34	
14900.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4681.98	5320.71	8.33	
15000.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4694.25	5335.31	8.32	
15100.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4708.59	5351.74	8.32	
15200.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4724.97	5369.99	8.33	
15300.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4742.58	5390.03	8.33	
15400.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4760.54	5411.84	8.31	
15500.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4780.49	5435.40	8.30	
15600.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4802.42	5460.70	8.30	
15700.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4826.24	5487.70	8.30	
15800.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4851.93	5516.38	8.30	
15900.00	7823.50	7850.00	312.73	785.00	785.00	21.00	4879.51	5546.71	8.31	
15905.95	7823.50	7850.00	312.73	785.00	785.00	21.00	4881.21	5548.57	8.31	
Secondary Well: Curry State #6(Active) (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	0.00	32.50	314.73	3.25	3.25	0.90	5948.44	5952.31	1534.86	
100.00	100.00	132.50	314.73	13.25	13.25	3.67	5938.36	5952.31	426.61	
200.00	200.00	232.50	314.73	23.25	23.25	4.63	5928.17	5952.31	246.55	
300.00	300.00	332.50	314.73	33.25	33.25	4.66	5917.98	5952.31	173.37	
400.00	400.00	432.50	314.73	43.25	43.25	4.71	5907.79	5952.31	133.69	
500.00	500.00	532.50	314.73	53.25	53.25	4.77	5897.60	5952.31	108.79	
600.00	600.00	632.50	314.73	63.25	63.25	4.84	5887.41	5952.31	91.71	
700.00	700.00	732.50	314.73	73.25	73.25	4.92	5877.22	5952.31	79.27	
800.00	800.00	832.50	314.73	83.25	83.25	5.00	5867.03	5952.31	69.80	
900.00	900.00	932.50	314.73	93.25	93.25	5.10	5856.84	5952.31	62.35	
1000.00	1000.00	1032.50	314.73	103.25	103.25	5.20	5846.65	5952.31	56.33	
1100.00	1100.00	1132.50	314.73	113.25	113.25	5.31	5836.46	5952.31	51.38	
1200.00	1200.00	1232.50	314.73	123.25	123.25	5.43	5826.27	5952.31	47.22	
1300.00	1300.00	1332.50	314.73	133.25	133.25	5.55	5816.08	5952.31	43.69	
1400.00	1400.00	1432.50	314.73	143.25	143.25	5.67	5805.89	5952.31	40.65	
1500.00	1500.00	1532.50	314.73	153.25	153.25	5.81	5795.70	5952.31	38.01	
1600.00	1600.00	1632.50	314.73	163.25	163.25	5.94	5785.51	5952.31	35.68	
1700.00	1700.00	1732.50	314.73	173.25	173.25	6.08	5775.32	5952.31	33.63	
1800.00	1800.00	1832.50	314.73	183.25	183.25	6.23	5765.13	5952.31	31.80	
1900.00	1900.00	1932.50	314.73	193.25	193.25	6.38	5754.94	5952.31	30.16	
2000.00	2000.00	2032.50	314.73	203.25	203.25	6.53	5744.75	5952.31	28.68	
2100.00	2100.00	2132.50	314.73	213.25	213.25	6.68	5734.56	5952.31	27.34	
2200.00	2200.00	2232.50	314.73	223.25	223.25	6.84	5724.37	5952.31	26.11	
2300.00	2300.00	2332.50	314.73	233.25	233.25	7.00	5714.18	5952.31	25.00	
2400.00	2400.00	2432.50	314.73	243.25	243.25	7.17	5703.99	5952.31	23.97	
2500.00	2500.00	2532.50	314.73	253.25	253.25	7.33	5693.80	5952.31	23.03	
2600.00	2600.00	2632.50	314.73	263.25	263.25	7.50	5683.61	5952.31	22.15	
2700.00	2700.00	2732.50	314.73	273.25	273.25	7.68	5673.42	5952.31	21.34	
2800.00	2800.00	2832.50	314.73	283.25	283.25	7.85	5663.23	5952.31	20.59	
2900.00	2900.00	2932.50	314.73	293.25	293.25	8.03	5653.04	5952.31	19.89	
3000.00	3000.00	3032.50	314.73	303.25	303.25	8.21	5642.85	5952.31	19.23	
3100.00	3100.00	3132.50	314.73	313.25	313.25	8.39	5632.66	5952.31	18.62	
3200.00	3200.00	3232.50	314.73	323.25	323.25	8.58	5622.47	5952.31	18.05	
3300.00	3300.00	3332.50	314.73	333.25	333.25	8.77	5612.28	5952.31	17.51	
3400.00	3400.00	3432.50	314.73	343.25	343.25	8.96	5602.09	5952.31	17.00	
3500.00	3500.00	3532.50	314.73	353.25	353.25	9.15	5591.90	5952.31	16.52	

5D Anti-Collision Report

Secondary Well: Curry State #6(Active) (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	3600.00	3632.50	314.73	363.25	363.25	9.35	5581.71	5952.31	16.06	
3700.00	3700.00	3732.50	314.73	373.25	373.25	9.55	5571.52	5952.31	15.63	
3800.00	3800.00	3832.50	314.73	383.25	383.25	9.75	5561.33	5952.31	15.22	
3900.00	3900.00	3932.50	314.73	393.25	393.25	9.95	5551.14	5952.31	14.84	
4000.00	4000.00	4032.50	314.73	403.25	403.25	10.16	5540.95	5952.31	14.47	
4100.00	4100.00	4132.50	314.73	413.25	413.25	10.37	5530.76	5952.31	14.12	
4200.00	4200.00	4232.50	314.73	423.25	423.25	10.58	5520.57	5952.31	13.79	
4300.00	4300.00	4332.50	314.73	433.25	433.25	10.80	5510.38	5952.31	13.47	
4400.00	4400.00	4432.50	314.73	443.25	443.25	11.02	5500.19	5952.31	13.17	
4500.00	4500.00	4532.50	314.73	453.25	453.25	11.24	5490.00	5952.31	12.88	
4600.00	4600.00	4632.50	314.73	463.25	463.25	11.47	5479.81	5952.31	12.60	
4700.00	4700.00	4732.50	314.73	473.25	473.25	11.70	5469.62	5952.31	12.33	
4800.00	4800.00	4832.50	314.73	483.25	483.25	11.93	5459.43	5952.31	12.08	
4900.00	4900.00	4932.50	314.73	493.25	493.25	12.17	5449.24	5952.31	11.83	
5000.00	5000.00	5032.50	314.73	503.25	503.25	12.41	5439.05	5952.31	11.60	
5100.00	5100.00	5132.50	314.73	513.25	513.25	12.66	5428.86	5952.31	11.37	
5200.00	5200.00	5232.50	314.73	523.25	523.25	12.90	5418.67	5952.31	11.15	
5300.00	5300.00	5332.50	314.73	533.25	533.25	13.16	5408.48	5952.31	10.95	
5400.00	5400.00	5432.50	314.73	543.25	543.25	13.41	5398.29	5952.31	10.74	
5500.00	5500.00	5532.50	314.73	553.25	553.25	13.67	5388.10	5952.31	10.55	
5600.00	5600.00	5632.50	314.73	563.25	563.25	13.94	5377.91	5952.31	10.36	
5700.00	5700.00	5732.50	314.73	573.25	573.25	14.21	5367.72	5952.31	10.18	
5800.00	5800.00	5832.50	314.73	583.25	583.25	14.48	5357.53	5952.31	10.01	
5900.00	5900.00	5932.50	314.73	593.25	593.25	14.76	5347.34	5952.31	9.84	
6000.00	6000.00	6032.50	314.73	603.25	603.25	15.04	5337.15	5952.31	9.68	
6100.00	6100.00	6132.50	314.73	613.25	613.25	15.32	5326.96	5952.31	9.52	
6200.00	6200.00	6232.50	314.73	623.25	623.25	15.62	5316.77	5952.31	9.37	
6300.00	6300.00	6332.50	314.73	633.25	633.25	15.91	5306.58	5952.31	9.22	
6400.00	6400.00	6432.50	314.73	643.25	643.25	16.21	5296.39	5952.31	9.07	
6500.00	6500.00	6532.50	314.73	653.25	653.25	16.51	5286.20	5952.31	8.94	
6600.00	6600.00	6632.50	314.73	663.25	663.25	16.82	5276.01	5952.31	8.80	
6700.00	6700.00	6732.50	314.73	673.25	673.25	17.14	5265.82	5952.31	8.67	
6800.00	6800.00	6832.50	314.73	683.25	683.25	17.46	5255.63	5952.31	8.54	
6900.00	6900.00	6932.50	314.73	693.25	693.25	17.78	5245.44	5952.31	8.42	
7000.00	7000.00	7032.50	314.73	703.25	703.25	18.11	5235.25	5952.31	8.30	
7100.00	7100.00	7132.50	314.73	713.25	713.25	18.44	5225.06	5952.31	8.18	
7200.00	7200.00	7232.50	314.73	723.25	723.25	18.78	5214.87	5952.31	8.07	
7300.00	7300.00	7332.50	314.73	733.25	733.25	19.13	5204.68	5952.31	7.96	
7400.00	7400.00	7432.50	314.73	743.25	743.25	19.48	5194.49	5952.31	7.85	
7500.00	7500.00	7532.50	314.73	753.25	753.25	19.83	5184.30	5952.31	7.75	
7600.00	7600.00	7632.50	314.73	763.25	763.25	20.19	5174.11	5952.31	7.65	
7700.00	7700.00	7732.50	314.73	773.25	773.25	20.56	5163.92	5952.31	7.55	
7800.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5157.50	5952.43	7.49	
7900.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5158.92	5953.88	7.49	
8000.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5162.25	5957.01	7.50	
8100.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5167.47	5961.82	7.51	
8200.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5174.59	5968.30	7.52	
8300.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5183.59	5976.44	7.54	
8400.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5194.47	5986.25	7.56	
8500.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5207.22	5997.71	7.59	
8600.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5221.82	6010.81	7.62	
8700.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5238.22	6025.54	7.65	
8800.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5256.43	6041.89	7.69	
8900.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5276.46	6059.84	7.74	
9000.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5298.26	6079.39	7.78	
9100.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5321.83	6100.51	7.83	
9200.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5347.14	6123.20	7.89	
9300.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5374.16	6147.43	7.95	

5D Anti-Collision Report

Secondary Well: Curry State #6(Active) (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	7763.50	7796.00	314.73	779.60	779.60	20.79	5402.88	6173.18	8.01	
9500.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5433.26	6200.44	8.08	
9600.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5465.28	6229.19	8.15	
9700.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5498.91	6259.40	8.23	
9800.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5534.13	6291.06	8.31	
9900.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5570.90	6324.13	8.40	
10000.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5609.20	6358.61	8.48	
10100.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5648.99	6394.47	8.58	
10200.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5690.20	6431.69	8.67	
10300.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5732.85	6470.23	8.77	
10400.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5776.90	6510.08	8.88	
10500.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5822.32	6551.22	8.99	
10600.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5869.09	6593.62	9.10	
10700.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5917.17	6637.25	9.22	
10800.00	7763.50	7796.00	314.73	779.60	779.60	20.79	5966.52	6682.09	9.34	
10900.00	7763.50	7796.00	316.32	779.60	779.60	20.79	6014.17	6725.19	9.46	
11000.00	7763.50	7796.00	318.70	779.60	779.60	20.79	6052.07	6758.31	9.57	
11100.00	7763.50	7796.00	320.16	779.60	779.60	20.79	6078.89	6780.23	9.67	
11200.00	7763.50	7796.00	320.81	779.60	779.60	20.79	6093.78	6790.37	9.75	
11300.00	7763.50	7796.00	320.69	779.60	779.60	20.79	6096.48	6788.50	9.81	
11400.00	7763.50	7796.00	319.79	779.60	779.60	20.79	6086.86	6774.66	9.85	
11500.00	7763.50	7796.00	318.06	779.60	779.60	20.79	6065.16	6749.19	9.87	
11600.00	7763.50	7796.00	315.37	779.60	779.60	20.79	6031.90	6712.75	9.86	
11700.00	7763.50	7796.00	311.56	779.60	779.60	20.79	5987.89	6666.27	9.83	
11800.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5936.96	6613.41	9.78	
11900.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5886.80	6561.29	9.73	
12000.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5837.79	6510.29	9.68	
12100.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5790.02	6460.44	9.64	
12200.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5743.54	6411.75	9.60	
12300.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5698.38	6364.27	9.56	
12400.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5654.04	6318.01	9.52	
12500.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5609.72	6273.01	9.46	
12600.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5566.77	6229.28	9.40	
12700.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5525.26	6186.87	9.35	
12800.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5485.22	6145.78	9.30	
12900.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5446.68	6106.06	9.26	
13000.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5409.61	6067.73	9.22	
13100.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5374.03	6030.81	9.18	
13200.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5340.07	5995.34	9.15	
13300.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5307.77	5961.33	9.12	
13400.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5276.24	5928.81	9.09	
13500.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5245.05	5897.81	9.04	
13600.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5215.67	5868.34	8.99	
13700.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5187.77	5840.45	8.95	
13800.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5161.84	5814.13	8.91	
13900.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5137.69	5789.43	8.88	
14000.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5115.25	5766.36	8.86	
14100.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5094.56	5744.93	8.83	
14200.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5075.75	5725.17	8.82	
14300.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5056.56	5707.09	8.77	
14400.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5039.27	5690.72	8.74	
14500.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5023.89	5676.06	8.70	
14600.00	7763.50	7796.00	310.31	779.60	779.60	20.79	5010.43	5663.12	8.68	
14700.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4998.91	5651.93	8.66	
14800.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4989.24	5642.49	8.64	
14900.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4981.50	5634.80	8.63	
15000.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4974.97	5628.89	8.61	
15100.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4968.77	5624.74	8.57	

5D Anti-Collision Report

Secondary Well: Curry State #6(Active) (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
15200.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4964.54	5622.37	8.55	
15300.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4962.30	5621.78	8.52	
15400.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4962.05	5622.97	8.51	
15500.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4963.77	5625.93	8.50	
15600.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4967.49	5630.67	8.49	
15700.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4973.18	5637.18	8.49	
15800.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4978.90	5645.45	8.47	
15900.00	7763.50	7796.00	310.31	779.60	779.60	20.79	4986.14	5655.48	8.45	
15905.95	7763.50	7796.00	310.31	779.60	779.60	20.79	4986.63	5656.14	8.45	