

NM OIL CONSERVATION
ARTESIA DISTRICT

MAY 16 2016

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5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*

Site Name: *Fighting Okra 18-19 Fed 21H,31H Pad*

Well Name: *Fighting Okra 18-19 Fed 31H*

Plan: *P1:V2*

10 November 2015





Fighting Okra 18-19 Fed 31H

Field Name: Lea Co, NM Nad 83 NMEZ	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Fighting Okra 18-19 Fed 21H,31H Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.43	
	Position:	Northing: 380827.97US ft	Latitude: 32° 2' 39.64"	
		Easting: 794436.89US ft	Longitude: -103° 30' 59.30"	
	Elevation above MSL:3358.00 US ft			
Comment:				
Slot: Fighting Okra 18-19 Fed 31H	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 380827.97US ft	Latitude: 32°2'39.64"	
	+E/-W: 0.00US ft	Easting: 794436.89US ft	Longitude: -103°30'59.30"	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 3358.00US ft				
Comment:				
Well: Fighting Okra 18-19 Fed 31H	Type:Main well	UWI:	Plan:P1:V2	
	File Number:	Comment:		
	Closure Distance:7924.91US ft	Closure Azimuth:179.40°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: 0.00US ft	Az: 179.57°	
Magnetic Parameters:				
Model: BGGM	Field Strength: 48041.7nT	Declination: 7.20°	Dip: 59.91°	Date: 15/Oct/2015

Drill floor: Plan: P1:V2		
Rig Height (Kelly Bushing): Elevation above MSL: 30.00us ft	Inclination: 0.00°	Azimuth: 0.00°

Target set: Fighting Okra 18-19 Fed 31H Comment:							
Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (USft)	Easting (USft)	Comment
LP	Cuboid	10374.00	-521.05	27.28	380306.92	794464.17	
PBHL 41H	Cuboid	10374.00	-7924.47	83.13	372903.50	794520.02	

Wellpath created using minimum curvature.

Salient Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	B.Rate (°/100US ft)	T.Rate (°/100US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	
9851.65	0.00	0.00	9851.65	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	KOP
10033.47	20.00	171.00	10029.80	-31.03	4.91	31.06	11.00	11.00	0.00	171.00	Build/Turn
10671.94	90.00	179.57	10374.00	-521.05	27.28	521.24	11.00	10.96	1.34	9.11	LP
18075.58	90.00	179.57	10374.00	-7924.47	83.13	7924.87	0.00	0.00	0.00	0.00	PBHL 31H

Weatherford International Limited

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
4600.00	0.00	0.00	4600.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
4700.00	0.00	0.00	4700.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
4800.00	0.00	0.00	4800.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
4900.00	0.00	0.00	4900.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5000.00	0.00	0.00	5000.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5100.00	0.00	0.00	5100.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5200.00	0.00	0.00	5200.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5300.00	0.00	0.00	5300.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5400.00	0.00	0.00	5400.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5500.00	0.00	0.00	5500.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5600.00	0.00	0.00	5600.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5700.00	0.00	0.00	5700.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5800.00	0.00	0.00	5800.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
5900.00	0.00	0.00	5900.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6000.00	0.00	0.00	6000.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6100.00	0.00	0.00	6100.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6200.00	0.00	0.00	6200.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6300.00	0.00	0.00	6300.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6400.00	0.00	0.00	6400.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6500.00	0.00	0.00	6500.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6600.00	0.00	0.00	6600.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6700.00	0.00	0.00	6700.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6800.00	0.00	0.00	6800.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
6900.00	0.00	0.00	6900.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7000.00	0.00	0.00	7000.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7100.00	0.00	0.00	7100.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7200.00	0.00	0.00	7200.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7300.00	0.00	0.00	7300.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7400.00	0.00	0.00	7400.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7500.00	0.00	0.00	7500.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7600.00	0.00	0.00	7600.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7700.00	0.00	0.00	7700.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7800.00	0.00	0.00	7800.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
7900.00	0.00	0.00	7900.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8000.00	0.00	0.00	8000.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8100.00	0.00	0.00	8100.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8200.00	0.00	0.00	8200.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8300.00	0.00	0.00	8300.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8400.00	0.00	0.00	8400.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8500.00	0.00	0.00	8500.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8600.00	0.00	0.00	8600.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8700.00	0.00	0.00	8700.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8800.00	0.00	0.00	8800.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
8900.00	0.00	0.00	8900.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9000.00	0.00	0.00	9000.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9100.00	0.00	0.00	9100.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9200.00	0.00	0.00	9200.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9300.00	0.00	0.00	9300.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9400.00	0.00	0.00	9400.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9500.00	0.00	0.00	9500.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9600.00	0.00	0.00	9600.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9700.00	0.00	0.00	9700.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9800.00	0.00	0.00	9800.00	0.00	0.00	-0.00	0.00	380827.97	794436.89	
9851.65	0.00	0.00	9851.65	0.00	0.00	-0.00	0.00	380827.97	794436.89	KOP
9900.00	5.32	171.00	9899.93	-2.21	0.35	2.22	11.00	380825.76	794437.24	
10000.00	16.32	171.00	9998.00	-20.73	3.28	20.75	11.00	380807.24	794440.17	
10033.47	20.00	171.00	10029.80	-31.03	4.91	31.06	11.00	380796.94	794441.80	Build/Turn
10100.00	27.25	173.52	10090.71	-57.43	8.42	57.49	11.00	380770.54	794445.31	
10200.00	38.19	175.62	10174.72	-111.17	13.38	111.27	11.00	380716.80	794450.27	

SD Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
10300.00	49.16	176.88	10246.94	-179.98	17.81	180.11	11.00	380647.99	794454.70	
10400.00	60.13	177.78	10304.71	-261.33	21.56	261.48	11.00	380566.64	794458.45	
10500.00	71.11	178.50	10345.92	-352.22	24.48	352.40	11.00	380475.75	794461.37	
10600.00	82.10	179.14	10369.05	-449.34	26.47	449.52	11.00	380378.63	794463.36	
10671.95	90.00	179.57	10374.00	-521.05	27.28	521.24	11.00	380306.92	794464.17	LP
10700.00	90.00	179.57	10374.00	-549.10	27.49	549.29	0.00	380278.87	794464.38	
10800.00	90.00	179.57	10374.00	-649.10	28.24	649.29	0.00	380178.87	794465.13	
10900.00	90.00	179.57	10374.00	-749.10	29.00	749.29	0.00	380078.87	794465.89	
11000.00	90.00	179.57	10374.00	-849.09	29.75	849.29	0.00	379978.88	794466.64	
11100.00	90.00	179.57	10374.00	-949.09	30.50	949.29	0.00	379878.88	794467.39	
11200.00	90.00	179.57	10374.00	-1049.09	31.26	1049.29	0.00	379778.88	794468.15	
11300.00	90.00	179.57	10374.00	-1149.09	32.01	1149.29	0.00	379678.88	794468.90	
11400.00	90.00	179.57	10374.00	-1249.08	32.77	1249.29	0.00	379578.89	794469.66	
11500.00	90.00	179.57	10374.00	-1349.08	33.52	1349.29	0.00	379478.89	794470.41	
11600.00	90.00	179.57	10374.00	-1449.08	34.28	1449.29	0.00	379378.89	794471.17	
11700.00	90.00	179.57	10374.00	-1549.08	35.03	1549.29	0.00	379278.89	794471.92	
11800.00	90.00	179.57	10374.00	-1649.07	35.79	1649.29	0.00	379178.90	794472.68	
11900.00	90.00	179.57	10374.00	-1749.07	36.54	1749.29	0.00	379078.90	794473.43	
12000.00	90.00	179.57	10374.00	-1849.07	37.29	1849.29	0.00	378978.90	794474.18	
12100.00	90.00	179.57	10374.00	-1949.06	38.05	1949.29	0.00	378878.91	794474.94	
12200.00	90.00	179.57	10374.00	-2049.06	38.80	2049.29	0.00	378778.91	794475.69	
12300.00	90.00	179.57	10374.00	-2149.06	39.56	2149.29	0.00	378678.91	794476.45	
12400.00	90.00	179.57	10374.00	-2249.06	40.31	2249.29	0.00	378578.91	794477.20	
12500.00	90.00	179.57	10374.00	-2349.05	41.07	2349.29	0.00	378478.92	794477.96	
12600.00	90.00	179.57	10374.00	-2449.05	41.82	2449.29	0.00	378378.92	794478.71	
12700.00	90.00	179.57	10374.00	-2549.05	42.58	2549.29	0.00	378278.92	794479.47	
12800.00	90.00	179.57	10374.00	-2649.04	43.33	2649.29	0.00	378178.93	794480.22	
12900.00	90.00	179.57	10374.00	-2749.04	44.08	2749.29	0.00	378078.93	794480.97	
13000.00	90.00	179.57	10374.00	-2849.04	44.84	2849.29	0.00	377978.93	794481.73	
13100.00	90.00	179.57	10374.00	-2949.04	45.59	2949.29	0.00	377878.93	794482.48	
13200.00	90.00	179.57	10374.00	-3049.03	46.35	3049.29	0.00	377778.94	794483.24	
13300.00	90.00	179.57	10374.00	-3149.03	47.10	3149.29	0.00	377678.94	794483.99	
13400.00	90.00	179.57	10374.00	-3249.03	47.86	3249.29	0.00	377578.94	794484.75	
13500.00	90.00	179.57	10374.00	-3349.02	48.61	3349.29	0.00	377478.95	794485.50	
13600.00	90.00	179.57	10374.00	-3449.02	49.37	3449.29	0.00	377378.95	794486.26	
13700.00	90.00	179.57	10374.00	-3549.02	50.12	3549.29	0.00	377278.95	794487.01	
13800.00	90.00	179.57	10374.00	-3649.02	50.87	3649.29	0.00	377178.95	794487.76	
13900.00	90.00	179.57	10374.00	-3749.01	51.63	3749.29	0.00	377078.96	794488.52	
14000.00	90.00	179.57	10374.00	-3849.01	52.38	3849.29	0.00	376978.96	794489.27	
14100.00	90.00	179.57	10374.00	-3949.01	53.14	3949.29	0.00	376878.96	794490.03	
14200.00	90.00	179.57	10374.00	-4049.00	53.89	4049.29	0.00	376778.97	794490.78	
14300.00	90.00	179.57	10374.00	-4149.00	54.65	4149.29	0.00	376678.97	794491.54	
14400.00	90.00	179.57	10374.00	-4249.00	55.40	4249.29	0.00	376578.97	794492.29	
14500.00	90.00	179.57	10374.00	-4349.00	56.16	4349.29	0.00	376478.97	794493.05	
14600.00	90.00	179.57	10374.00	-4448.99	56.91	4449.29	0.00	376378.98	794493.80	
14700.00	90.00	179.57	10374.00	-4548.99	57.66	4549.29	0.00	376278.98	794494.55	
14800.00	90.00	179.57	10374.00	-4648.99	58.42	4649.29	0.00	376178.98	794495.31	
14900.00	90.00	179.57	10374.00	-4748.98	59.17	4749.29	0.00	376078.99	794496.06	
15000.00	90.00	179.57	10374.00	-4848.98	59.93	4849.29	0.00	375978.99	794496.82	
15100.00	90.00	179.57	10374.00	-4948.98	60.68	4949.29	0.00	375878.99	794497.57	
15200.00	90.00	179.57	10374.00	-5048.98	61.44	5049.29	0.00	375778.99	794498.33	
15300.00	90.00	179.57	10374.00	-5148.97	62.19	5149.29	0.00	375679.00	794499.08	
15400.00	90.00	179.57	10374.00	-5248.97	62.94	5249.29	0.00	375579.00	794499.83	
15500.00	90.00	179.57	10374.00	-5348.97	63.70	5349.29	0.00	375479.00	794500.59	
15600.00	90.00	179.57	10374.00	-5448.96	64.45	5449.29	0.00	375379.01	794501.34	
15700.00	90.00	179.57	10374.00	-5548.96	65.21	5549.29	0.00	375279.01	794502.10	
15800.00	90.00	179.57	10374.00	-5648.96	65.96	5649.29	0.00	375179.01	794502.85	
15900.00	90.00	179.57	10374.00	-5748.96	66.72	5749.29	0.00	375079.01	794503.61	
16000.00	90.00	179.57	10374.00	-5848.95	67.47	5849.29	0.00	374979.02	794504.36	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
16100.00	90.00	179.57	10374.00	-5948.95	68.23	5949.29	0.00	374879.02	794505.12	
16200.00	90.00	179.57	10374.00	-6048.95	68.98	6049.29	0.00	374779.02	794505.87	
16300.00	90.00	179.57	10374.00	-6148.94	69.73	6149.29	0.00	374679.03	794506.62	
16400.00	90.00	179.57	10374.00	-6248.94	70.49	6249.29	0.00	374579.03	794507.38	
16500.00	90.00	179.57	10374.00	-6348.94	71.24	6349.29	0.00	374479.03	794508.13	
16600.00	90.00	179.57	10374.00	-6448.94	72.00	6449.29	0.00	374379.03	794508.89	
16700.00	90.00	179.57	10374.00	-6548.93	72.75	6549.29	0.00	374279.04	794509.64	
16800.00	90.00	179.57	10374.00	-6648.93	73.51	6649.29	0.00	374179.04	794510.40	
16900.00	90.00	179.57	10374.00	-6748.93	74.26	6749.29	0.00	374079.04	794511.15	
17000.00	90.00	179.57	10374.00	-6848.92	75.02	6849.29	0.00	373979.05	794511.91	
17100.00	90.00	179.57	10374.00	-6948.92	75.77	6949.29	0.00	373879.05	794512.66	
17200.00	90.00	179.57	10374.00	-7048.92	76.52	7049.29	0.00	373779.05	794513.41	
17300.00	90.00	179.57	10374.00	-7148.92	77.28	7149.29	0.00	373679.05	794514.17	
17400.00	90.00	179.57	10374.00	-7248.91	78.03	7249.29	0.00	373579.06	794514.92	
17500.00	90.00	179.57	10374.00	-7348.91	78.79	7349.29	0.00	373479.06	794515.68	
17600.00	90.00	179.57	10374.00	-7448.91	79.54	7449.29	0.00	373379.06	794516.43	
17700.00	90.00	179.57	10374.00	-7548.90	80.30	7549.29	0.00	373279.07	794517.19	
17800.00	90.00	179.57	10374.00	-7648.90	81.05	7649.29	0.00	373179.07	794517.94	
17900.00	90.00	179.57	10374.00	-7748.90	81.81	7749.29	0.00	373079.07	794518.70	
18000.00	90.00	179.57	10374.00	-7848.90	82.56	7849.29	0.00	372979.07	794519.45	
18075.58	90.00	179.57	10374.00	-7924.47	83.13	7924.87	0.00	372903.50	794520.02	PBHL 31H



NM OIL CONSERVATION¹
ARTESIA DISTRICT
MAY 16 2016
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5D Anti-Collision Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*

Site Name: *Fighting Okra 18-19 Fed 21H,31H Pad*

Well Name: *Fighting Okra 18-19 Fed 31H*

10 November 2015





Fighting Okra 18-19 Fed 31H

Field Name: Lea Co, NM Nad 83 NMEZ	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Fighting Okra 18-19 Fed 21H,31H Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.43	
	Position:	Northing: 380827.97US ft	Latitude: 32° 2' 39.64"	
		Easting: 794436.89US ft	Longitude: -103° 30' 59.30"	
	Elevation above MSL:3358.00 US ft			
Comment:				
Slot: Fighting Okra 18-19 Fed 31H	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 380827.97US ft	Latitude: 32°2'39.64"	
	+E/-W: 0.00US ft	Easting: 794436.89US ft	Longitude: -103°30'59.30"	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 3358.00US ft				
Comment:				
Well: Fighting Okra 18-19 Fed 31H	Type:Main well	UWI:	Plan:Working Plan	
	File Number:	Comment:		
	Closure Distance:7924.91US ft	Closure Azimuth:179.40°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: 0.00US ft	Az: 179.57°	
	Magnetic Parameters:			
	Model: BGGM	Field Strength:	Declination: 7.20°	Dip: 59.91°
	48041.7nT		Date: 15/Oct/2015	

Drill floor: Plan: Working Plan

Rig Height (Kelly Bushing): Elevation above MSL: 30.00us ft **Inclination:** 0.00° **Azimuth:** 0.00°
3388.00us ft

Collision / Uncertainty Analysis

Primary Well	Start MD (USFt)	End MD (USFt)	Collision Risk Interval	No. of Std. Deviations in Error Computation
Fighting Okra 18-19 Fed 31H (p)	0.00	30000.00	100.00	2

Secondary Well Names:

Fighting Okra Federal Com 1H ST01 (s)
Fighting Okra Federal Com 1H ST00 (s)
Fighting Okra 18-19 Fed 21H (p)
Fighting Okra 18-19 Fed 71H Lat (p)
Fighting Okra 18-19 Fed 71H Pilot (p)

Anti-Collision Report Terminology

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

5D Anti-Collision Report

Anti-Collision Report Terminology

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: the following filter has been applied: Depth Range.

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

Anti-Collision Summary (TVD relative to Kelly Bushing)

SF

Secondary Well Name	Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	ES (US ft)	CC (US ft)	SF	Risk
Fighting Okra 18-19 Fed 21H (p)	5447.07	5447.07	5448.65	25.33	50.19	2.02	
Fighting Okra Federal Com 1H ST01 (s)	9824.41	9824.41	9979.47	55.94	100.82	2.25	
Fighting Okra Federal Com 1H ST00 (s)	9957.03	9956.31	10116.21	63.86	109.27	2.41	
Fighting Okra 18-19 Fed 71H Lat (p)	18075.58	10374.00	22347.61	1985.48	2122.00	15.54	
Fighting Okra 18-19 Fed 71H Pilot (p)	9954.30	9953.63	9958.51	2084.22	2128.99	47.56	

Primary Well: Fighting Okra 18-19 Fed 31H (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	179.60	0.00	0.00	0.00	Fighting Okra 18-19 Fed 21H (p)	49.35	49.99	77.90	
100.00	100.00	179.60	0.11	0.11	4.60	Fighting Okra 18-19 Fed 21H (p)	49.13	49.99	57.81	
200.00	200.00	179.60	0.34	0.34	4.62	Fighting Okra 18-19 Fed 21H (p)	48.68	49.99	38.04	
300.00	300.00	179.60	0.56	0.56	4.65	Fighting Okra 18-19 Fed 21H (p)	48.23	49.99	28.34	
400.00	400.00	179.60	0.79	0.79	4.69	Fighting Okra 18-19 Fed 21H (p)	47.78	49.99	22.59	
500.00	500.00	179.60	1.01	1.01	4.75	Fighting Okra 18-19 Fed 21H (p)	47.33	49.99	18.77	
600.00	600.00	179.60	1.24	1.24	4.81	Fighting Okra 18-19 Fed 21H (p)	46.88	49.99	16.06	
700.00	700.00	179.60	1.46	1.46	4.89	Fighting Okra 18-19 Fed 21H (p)	46.43	49.99	14.03	
800.00	800.00	179.60	1.69	1.69	4.97	Fighting Okra 18-19 Fed 21H (p)	45.98	49.99	12.46	
900.00	900.00	179.60	1.91	1.91	5.06	Fighting Okra 18-19 Fed 21H (p)	45.53	49.99	11.21	
1000.00	1000.00	179.60	2.14	2.14	5.16	Fighting Okra 18-19 Fed 21H (p)	45.08	49.99	10.18	
1100.00	1100.00	179.60	2.36	2.36	5.27	Fighting Okra 18-19 Fed 21H (p)	44.63	49.99	9.33	
1200.00	1200.00	179.60	2.59	2.59	5.38	Fighting Okra 18-19 Fed 21H (p)	44.18	49.99	8.60	
1300.00	1300.00	179.60	2.81	2.81	5.50	Fighting Okra 18-19 Fed 21H (p)	43.73	49.99	7.99	
1400.00	1400.00	179.60	3.03	3.03	5.63	Fighting Okra 18-19 Fed 21H (p)	43.28	49.99	7.45	
1500.00	1500.00	179.60	3.26	3.26	5.76		42.83	49.99	6.98	

5D Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
						Fighting Okra 18-19 Fed 21H (p)				
1600.00	1600.00	179.60	3.48	3.48	5.89	Fighting Okra 18-19 Fed 21H (p)	42.38	49.99	6.57	
1700.00	1700.00	179.60	3.71	3.71	6.03	Fighting Okra 18-19 Fed 21H (p)	41.93	49.99	6.20	
1800.00	1800.00	179.60	3.93	3.93	6.17	Fighting Okra 18-19 Fed 21H (p)	41.48	49.99	5.88	
1900.00	1900.00	179.60	4.16	4.16	6.32	Fighting Okra 18-19 Fed 21H (p)	41.03	49.99	5.58	
2000.00	2000.00	179.60	4.38	4.38	6.47	Fighting Okra 18-19 Fed 21H (p)	40.58	49.99	5.31	
2100.00	2100.00	179.60	4.61	4.61	6.63	Fighting Okra 18-19 Fed 21H (p)	40.14	49.99	5.07	
2200.00	2200.00	179.60	4.83	4.83	6.78	Fighting Okra 18-19 Fed 21H (p)	39.69	49.99	4.85	
2300.00	2300.00	179.60	5.06	5.06	6.94	Fighting Okra 18-19 Fed 21H (p)	39.24	49.99	4.65	
2400.00	2400.00	179.60	5.28	5.28	7.11	Fighting Okra 18-19 Fed 21H (p)	38.79	49.99	4.46	
2500.00	2500.00	179.60	5.51	5.51	7.27	Fighting Okra 18-19 Fed 21H (p)	38.34	49.99	4.29	
2600.00	2600.00	179.60	5.73	5.73	7.44	Fighting Okra 18-19 Fed 21H (p)	37.89	49.99	4.13	
2700.00	2700.00	179.60	5.96	5.96	7.62	Fighting Okra 18-19 Fed 21H (p)	37.44	49.99	3.98	
2800.00	2800.00	179.60	6.18	6.18	7.79	Fighting Okra 18-19 Fed 21H (p)	36.99	49.99	3.84	
2900.00	2900.00	179.60	6.41	6.41	7.97	Fighting Okra 18-19 Fed 21H (p)	36.54	49.99	3.72	
3000.00	3000.00	179.60	6.63	6.63	8.15	Fighting Okra 18-19 Fed 21H (p)	36.09	49.99	3.60	
3100.00	3100.00	179.60	6.86	6.86	8.33	Fighting Okra 18-19 Fed 21H (p)	35.64	49.99	3.48	
3200.00	3200.00	179.60	7.08	7.08	8.52	Fighting Okra 18-19 Fed 21H (p)	35.19	49.99	3.38	
3300.00	3300.00	179.60	7.31	7.31	8.70	Fighting Okra 18-19 Fed 21H (p)	34.74	49.99	3.28	
3400.00	3400.00	179.60	7.53	7.53	8.89	Fighting Okra 18-19 Fed 21H (p)	34.29	49.99	3.18	
3500.00	3500.00	179.60	7.76	7.76	9.09	Fighting Okra 18-19 Fed 21H (p)	33.84	49.99	3.10	
3600.00	3600.00	179.60	7.98	7.98	9.28	Fighting Okra 18-19 Fed 21H (p)	33.39	49.99	3.01	
3700.00	3700.00	179.60	8.20	8.20	9.48	Fighting Okra 18-19 Fed 21H (p)	32.94	49.99	2.93	
3800.00	3800.00	179.60	8.43	8.43	9.68	Fighting Okra 18-19 Fed 21H (p)	32.49	49.99	2.86	
3900.00	3900.00	179.60	8.65	8.65	9.89	Fighting Okra 18-19 Fed 21H (p)	32.04	49.99	2.79	
4000.00	4000.00	179.60	8.88	8.88	10.10	Fighting Okra 18-19 Fed 21H (p)	31.59	49.99	2.72	

5D Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
4100.00	4100.00	179.60	9.10	9.10	10.31	Fighting Okra 18-19 Fed 21H (p)	31.14	49.99	2.65	
4200.00	4200.00	179.60	9.33	9.33	10.52	Fighting Okra 18-19 Fed 21H (p)	30.69	49.99	2.59	
4300.00	4300.00	179.60	9.55	9.55	10.74	Fighting Okra 18-19 Fed 21H (p)	30.24	49.99	2.53	
4400.00	4400.00	179.60	9.78	9.78	10.96	Fighting Okra 18-19 Fed 21H (p)	29.80	49.99	2.48	
4500.00	4500.00	179.60	10.00	10.00	11.18	Fighting Okra 18-19 Fed 21H (p)	29.35	49.99	2.42	
4600.00	4600.00	179.60	10.23	10.23	11.41	Fighting Okra 18-19 Fed 21H (p)	28.90	49.99	2.37	
4700.00	4700.00	179.60	10.45	10.45	11.64	Fighting Okra 18-19 Fed 21H (p)	28.45	49.99	2.32	
4800.00	4800.00	179.60	10.68	10.68	11.87	Fighting Okra 18-19 Fed 21H (p)	28.00	49.99	2.27	
4900.00	4900.00	179.60	10.90	10.90	12.11	Fighting Okra 18-19 Fed 21H (p)	27.55	49.99	2.23	
5000.00	5000.00	179.60	11.13	11.13	12.35	Fighting Okra 18-19 Fed 21H (p)	27.10	49.99	2.18	
5100.00	5100.00	179.60	11.35	11.35	12.60	Fighting Okra 18-19 Fed 21H (p)	26.65	49.99	2.14	
5200.00	5200.00	179.60	11.58	11.58	12.85	Fighting Okra 18-19 Fed 21H (p)	26.20	49.99	2.10	
5300.00	5300.00	179.60	11.80	11.80	13.10	Fighting Okra 18-19 Fed 21H (p)	25.75	49.99	2.06	
5400.00	5400.00	179.60	12.03	12.03	13.36	Fighting Okra 18-19 Fed 21H (p)	25.32	49.99	2.03	
5500.00	5500.00	179.39	12.25	12.25	13.62	Fighting Okra 18-19 Fed 21H (p)	25.79	50.87	2.03	
5600.00	5600.00	178.81	12.48	12.48	13.88	Fighting Okra 18-19 Fed 21H (p)	28.01	53.45	2.10	
5700.00	5700.00	177.97	12.70	12.70	14.15	Fighting Okra 18-19 Fed 21H (p)	31.89	57.73	2.23	
5800.00	5800.00	176.99	12.93	12.93	14.42	Fighting Okra 18-19 Fed 21H (p)	37.51	63.71	2.43	
5900.00	5900.00	175.97	13.15	13.15	14.70	Fighting Okra 18-19 Fed 21H (p)	44.86	71.42	2.69	
6000.00	6000.00	175.05	13.37	13.37	14.98	Fighting Okra 18-19 Fed 21H (p)	53.12	80.05	2.97	
6100.00	6100.00	174.31	13.60	13.60	15.27	Fighting Okra 18-19 Fed 21H (p)	61.37	88.70	3.25	
6200.00	6200.00	173.70	13.82	13.82	15.56	Fighting Okra 18-19 Fed 21H (p)	69.61	97.36	3.51	
6300.00	6300.00	173.19	14.05	14.05	15.86	Fighting Okra 18-19 Fed 21H (p)	77.90	106.03	3.77	
6400.00	6400.00	172.76	14.27	14.27	16.16	Fighting Okra 18-19 Fed 21H (p)	86.13	114.70	4.01	
6500.00	6500.00	172.39	14.50	14.50	16.47	Fighting Okra 18-19 Fed 21H (p)	94.43	123.38	4.26	
6600.00	6600.00	172.07	14.72	14.72	16.78	Fighting Okra 18-19 Fed 21H (p)	102.71	132.07	4.50	

5D Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
6700.00	6700.00	171.79	14.95	14.95	17.09	Fighting Okra 18-19 Fed 21H (p)	110.96	140.76	4.72	
6800.00	6800.00	171.55	15.17	15.17	17.41	Fighting Okra 18-19 Fed 21H (p)	118.40	148.68	4.91	
6900.00	6900.00	171.39	15.40	15.40	17.74	Fighting Okra 18-19 Fed 21H (p)	124.06	154.83	5.03	
7000.00	7000.00	171.28	15.62	15.62	18.07	Fighting Okra 18-19 Fed 21H (p)	127.95	159.19	5.10	
7100.00	7100.00	171.21	15.85	15.85	18.40	Fighting Okra 18-19 Fed 21H (p)	130.07	161.76	5.10	
7200.00	7200.00	171.20	16.07	16.07	18.74	Fighting Okra 18-19 Fed 21H (p)	130.40	162.55	5.06	
7300.00	7300.00	171.20	16.30	16.30	19.09	Fighting Okra 18-19 Fed 21H (p)	129.95	162.55	4.99	
7400.00	7400.00	171.20	16.52	16.52	19.44	Fighting Okra 18-19 Fed 21H (p)	129.50	162.55	4.92	
7500.00	7500.00	171.20	16.75	16.75	19.79	Fighting Okra 18-19 Fed 21H (p)	129.05	162.55	4.85	
7600.00	7600.00	171.20	16.97	16.97	20.15	Fighting Okra 18-19 Fed 21H (p)	128.60	162.55	4.79	
7700.00	7700.00	171.20	17.20	17.20	20.52	Fighting Okra 18-19 Fed 21H (p)	128.16	162.55	4.73	
7800.00	7800.00	171.20	17.42	17.42	20.89	Fighting Okra 18-19 Fed 21H (p)	127.71	162.55	4.67	
7900.00	7900.00	171.20	17.65	17.65	21.27	Fighting Okra 18-19 Fed 21H (p)	127.26	162.55	4.61	
8000.00	8000.00	171.20	17.87	17.87	21.65	Fighting Okra 18-19 Fed 21H (p)	126.81	162.55	4.55	
8100.00	8100.00	171.20	18.10	18.10	22.04	Fighting Okra 18-19 Fed 21H (p)	126.36	162.55	4.49	
8200.00	8200.00	171.20	18.32	18.32	22.43	Fighting Okra 18-19 Fed 21H (p)	125.91	162.55	4.44	
8300.00	8300.00	171.20	18.54	18.54	22.83	Fighting Okra 18-19 Fed 21H (p)	125.47	162.55	4.38	
8400.00	8400.00	171.20	18.77	18.77	23.23	Fighting Okra 18-19 Fed 21H (p)	125.02	162.55	4.33	
8500.00	8500.00	171.20	18.99	18.99	23.64	Fighting Okra 18-19 Fed 21H (p)	124.57	162.55	4.28	
8600.00	8600.00	171.20	19.22	19.22	24.06	Fighting Okra 18-19 Fed 21H (p)	124.12	162.55	4.23	
8700.00	8700.00	171.20	19.44	19.44	24.48	Fighting Okra 18-19 Fed 21H (p)	123.67	162.55	4.18	
8800.00	8800.00	171.20	19.67	19.67	24.91	Fighting Okra 18-19 Fed 21H (p)	123.22	162.55	4.13	
8900.00	8900.00	171.20	19.89	19.89	25.34	Fighting Okra 18-19 Fed 21H (p)	122.78	162.55	4.09	
9000.00	9000.00	171.20	20.12	20.12	25.78	Fighting Okra 18-19 Fed 21H (p)	122.33	162.55	4.04	
9100.00	9100.00	171.20	20.34	20.34	26.22	Fighting Okra 18-19 Fed 21H (p)	121.88	162.55	4.00	
9200.00	9200.00	171.20	20.57	20.57	26.67	Fighting Okra 18-19 Fed 21H (p)	121.43	162.55	3.95	

SD Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
9300.00	9300.00	171.20	20.79	20.79	27.13	Fighting Okra 18-19 Fed 21H (p)	121.14	162.69	3.92	
9400.00	9400.00	171.55	21.02	21.02	27.59	Fighting Okra 18-19 Fed 21H (p)	130.37	171.90	4.14	
9500.00	9500.00	172.27	21.24	21.24	28.06	Fighting Okra 18-19 Fed 21H (p)	153.80	195.02	4.73	
9600.00	9600.00	173.09	21.47	21.47	28.53	Fighting Okra 18-19 Fed 21H (p)	190.33	230.82	5.70	
9700.00	9700.00	109.32	21.69	21.69	29.01	Fighting Okra Federal Com 1H ST01 (s)	112.38	150.55	3.94	
9800.00	9800.00	85.85	21.92	21.92	29.49	Fighting Okra Federal Com 1H ST01 (s)	58.90	103.00	2.34	
9900.00	9899.93	278.43	22.13	22.07	29.98	Fighting Okra Federal Com 1H ST00 (s)	79.69	122.41	2.87	
10000.00	9998.00	272.39	22.28	21.81	30.45	Fighting Okra Federal Com 1H ST00 (s)	73.90	117.66	2.69	
10100.00	10090.71	283.40	22.44	21.14	30.86	Fighting Okra Federal Com 1H ST00 (s)	142.23	180.11	4.75	
10200.00	10174.72	306.08	22.62	20.16	31.23	Fighting Okra Federal Com 1H ST00 (s)	228.75	264.28	7.44	
10300.00	10246.94	325.18	22.86	18.99	31.53	Fighting Okra Federal Com 1H ST00 (s)	315.67	350.65	10.02	
10400.00	10304.71	336.39	23.18	17.80	31.78	Fighting Okra Federal Com 1H ST00 (s)	398.17	433.33	12.33	
10500.00	10345.92	342.68	23.60	16.83	32.02	Fighting Okra Federal Com 1H ST00 (s)	473.95	509.70	14.26	
10600.00	10369.05	346.44	24.14	16.27	32.26	Fighting Okra Federal Com 1H ST00 (s)	542.20	578.72	15.85	
10700.00	10374.00	348.32	24.78	16.26	32.52	Fighting Okra Federal Com 1H ST00 (s)	602.65	640.30	17.01	
10800.00	10374.00	359.97	25.53	16.42	32.85	Fighting Okra 18-19 Fed 21H (p)	535.63	567.48	17.82	
10900.00	10374.00	359.97	26.38	16.61	33.23	Fighting Okra 18-19 Fed 21H (p)	534.81	567.00	17.61	
11000.00	10374.00	359.97	27.34	16.84	33.67	Fighting Okra 18-19 Fed 21H (p)	534.39	567.00	17.39	
11100.00	10374.00	359.97	28.37	17.09	34.17	Fighting Okra 18-19 Fed 21H (p)	533.92	567.00	17.14	
11200.00	10374.00	359.97	29.49	17.36	34.72	Fighting Okra 18-19 Fed 21H (p)	533.40	567.00	16.87	
11300.00	10374.00	359.97	30.67	17.67	35.33	Fighting Okra 18-19 Fed 21H (p)	532.81	567.00	16.59	
11400.00	10374.00	359.97	31.91	17.99	35.99	Fighting Okra 18-19 Fed 21H (p)	532.18	567.00	16.28	
11500.00	10374.00	359.97	33.21	18.35	36.69	Fighting Okra 18-19 Fed 21H (p)	531.50	567.00	15.97	
11600.00	10374.00	359.97	34.56	18.72	37.44	Fighting Okra 18-19 Fed 21H (p)	530.78	567.00	15.65	
11700.00	10374.00	359.97	35.95	19.11	38.23	Fighting Okra 18-19 Fed 21H (p)	530.01	567.00	15.33	
11800.00	10374.00	359.97	37.37	19.53	39.06	Fighting Okra 18-19 Fed 21H (p)	529.17	567.00	14.99	

5D Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
11900.00	10374.00	359.97	38.83	19.96	39.92	Fighting Okra 18-19 Fed 21H (p)	528.29	567.00	14.65	
12000.00	10374.00	359.97	40.32	20.41	40.82	Fighting Okra 18-19 Fed 21H (p)	527.37	567.00	14.31	
12100.00	10374.00	359.97	41.84	20.88	41.75	Fighting Okra 18-19 Fed 21H (p)	526.43	567.00	13.98	
12200.00	10374.00	359.98	43.38	21.36	42.71	Fighting Okra 18-19 Fed 21H (p)	525.49	567.00	13.66	
12300.00	10374.00	359.98	44.94	21.85	43.70	Fighting Okra 18-19 Fed 21H (p)	524.53	567.00	13.35	
12400.00	10374.00	359.98	46.52	22.36	44.72	Fighting Okra 18-19 Fed 21H (p)	523.53	567.00	13.04	
12500.00	10374.00	359.98	48.12	22.88	45.76	Fighting Okra 18-19 Fed 21H (p)	522.46	567.00	12.73	
12600.00	10374.00	359.98	49.73	23.41	46.82	Fighting Okra 18-19 Fed 21H (p)	521.33	567.00	12.41	
12700.00	10374.00	359.98	51.36	23.95	47.91	Fighting Okra 18-19 Fed 21H (p)	520.32	567.00	12.15	
12800.00	10374.00	359.98	53.00	24.51	49.01	Fighting Okra 18-19 Fed 21H (p)	519.14	567.00	11.85	
12900.00	10374.00	359.98	54.66	25.07	50.14	Fighting Okra 18-19 Fed 21H (p)	518.07	567.00	11.59	
13000.00	10374.00	359.98	56.32	25.64	51.28	Fighting Okra 18-19 Fed 21H (p)	516.85	567.00	11.31	
13100.00	10374.00	359.98	58.00	26.22	52.43	Fighting Okra 18-19 Fed 21H (p)	515.68	567.00	11.05	
13200.00	10374.00	359.98	59.68	26.80	53.61	Fighting Okra 18-19 Fed 21H (p)	514.51	567.00	10.80	
13300.00	10374.00	359.98	61.37	27.40	54.79	Fighting Okra 18-19 Fed 21H (p)	513.34	567.00	10.57	
13400.00	10374.00	359.98	63.07	28.00	55.99	Fighting Okra 18-19 Fed 21H (p)	512.16	567.00	10.34	
13500.00	10374.00	359.98	64.77	28.60	57.20	Fighting Okra 18-19 Fed 21H (p)	510.96	567.00	10.12	
13600.00	10374.00	359.98	66.49	29.21	58.43	Fighting Okra 18-19 Fed 21H (p)	509.75	567.00	9.90	
13700.00	10374.00	359.98	68.21	29.83	59.66	Fighting Okra 18-19 Fed 21H (p)	508.49	567.00	9.69	
13800.00	10374.00	359.98	69.93	30.45	60.91	Fighting Okra 18-19 Fed 21H (p)	507.23	567.00	9.49	
13900.00	10374.00	359.98	71.66	31.08	62.16	Fighting Okra 18-19 Fed 21H (p)	505.95	567.00	9.29	
14000.00	10374.00	359.98	73.39	31.71	63.42	Fighting Okra 18-19 Fed 21H (p)	504.67	567.00	9.10	
14100.00	10374.00	359.98	75.13	32.35	64.70	Fighting Okra 18-19 Fed 21H (p)	503.38	567.00	8.91	
14200.00	10374.00	359.98	76.87	32.99	65.98	Fighting Okra 18-19 Fed 21H (p)	502.09	567.00	8.74	
14300.00	10374.00	359.98	78.62	33.63	67.27	Fighting Okra 18-19 Fed 21H (p)	500.79	567.00	8.56	
14400.00	10374.00	359.98	80.37	34.28	68.56	Fighting Okra 18-19 Fed 21H (p)	499.48	567.00	8.40	

5D Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
14500.00	10374.00	359.98	82.12	34.93	69.86	Fighting Okra 18-19 Fed 21H (p)	498.17	567.00	8.24	
14600.00	10374.00	359.99	83.88	35.59	71.17	Fighting Okra 18-19 Fed 21H (p)	496.85	567.00	8.08	
14700.00	10374.00	359.99	85.64	36.24	72.48	Fighting Okra 18-19 Fed 21H (p)	495.53	567.00	7.93	
14800.00	10374.00	359.99	87.40	36.90	73.81	Fighting Okra 18-19 Fed 21H (p)	494.20	567.00	7.79	
14900.00	10374.00	359.99	89.16	37.57	75.13	Fighting Okra 18-19 Fed 21H (p)	492.86	567.00	7.65	
15000.00	10374.00	359.99	90.93	38.23	76.46	Fighting Okra 18-19 Fed 21H (p)	491.52	567.00	7.51	
15100.00	10374.00	359.99	92.70	38.90	77.80	Fighting Okra 18-19 Fed 21H (p)	490.18	567.00	7.38	
15200.00	10374.00	359.99	94.47	39.57	79.14	Fighting Okra 18-19 Fed 21H (p)	488.83	567.00	7.25	
15300.00	10374.00	359.99	96.25	40.24	80.48	Fighting Okra 18-19 Fed 21H (p)	487.48	567.00	7.13	
15400.00	10374.00	359.99	98.02	40.92	81.83	Fighting Okra 18-19 Fed 21H (p)	486.12	567.00	7.01	
15500.00	10374.00	359.99	99.80	41.59	83.18	Fighting Okra 18-19 Fed 21H (p)	484.76	567.00	6.89	
15600.00	10374.00	359.99	101.58	42.27	84.54	Fighting Okra 18-19 Fed 21H (p)	483.40	567.00	6.78	
15700.00	10374.00	359.99	103.36	42.95	85.90	Fighting Okra 18-19 Fed 21H (p)	482.03	567.00	6.67	
15800.00	10374.00	359.99	105.14	43.63	87.26	Fighting Okra 18-19 Fed 21H (p)	480.66	567.00	6.57	
15900.00	10374.00	359.99	106.93	44.32	88.63	Fighting Okra 18-19 Fed 21H (p)	479.29	567.00	6.46	
16000.00	10374.00	359.99	108.71	45.00	90.00	Fighting Okra 18-19 Fed 21H (p)	477.91	567.00	6.36	
16100.00	10374.00	359.99	110.50	45.69	91.38	Fighting Okra 18-19 Fed 21H (p)	476.53	567.00	6.27	
16200.00	10374.00	359.99	112.29	46.38	92.75	Fighting Okra 18-19 Fed 21H (p)	475.15	567.00	6.17	
16300.00	10374.00	359.99	114.08	47.06	94.13	Fighting Okra 18-19 Fed 21H (p)	473.77	567.00	6.08	
16400.00	10374.00	359.99	115.87	47.76	95.51	Fighting Okra 18-19 Fed 21H (p)	472.38	567.00	5.99	
16500.00	10374.00	359.99	117.66	48.45	96.90	Fighting Okra 18-19 Fed 21H (p)	470.99	567.00	5.91	
16600.00	10374.00	359.99	119.45	49.14	98.28	Fighting Okra 18-19 Fed 21H (p)	469.60	567.00	5.82	
16700.00	10374.00	359.99	121.25	49.84	99.67	Fighting Okra 18-19 Fed 21H (p)	468.21	567.00	5.74	
16800.00	10374.00	359.99	123.04	50.53	101.06	Fighting Okra 18-19 Fed 21H (p)	466.81	567.00	5.66	
16900.00	10374.00	360.00	124.84	51.23	102.45	Fighting Okra 18-19 Fed 21H (p)	465.41	567.00	5.58	
17000.00	10374.00	360.00	126.63	51.92	103.85	Fighting Okra 18-19 Fed 21H (p)	464.01	567.00	5.51	

5D Anti-Collision Report

Primary Well: Fighting Okra 18-19 Fed 31H (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
17100.00	10374.00	360.00	128.43	52.62	105.25	Fighting Okra 18-19 Fed 21H (p)	462.61	567.00	5.43	
17200.00	10374.00	360.00	130.23	53.32	106.65	Fighting Okra 18-19 Fed 21H (p)	461.21	567.00	5.36	
17300.00	10374.00	360.00	132.03	54.02	108.05	Fighting Okra 18-19 Fed 21H (p)	459.80	567.00	5.29	
17400.00	10374.00	360.00	133.83	54.72	109.45	Fighting Okra 18-19 Fed 21H (p)	458.40	567.00	5.22	
17500.00	10374.00	360.00	135.63	55.43	110.85	Fighting Okra 18-19 Fed 21H (p)	456.99	567.00	5.15	
17600.00	10374.00	360.00	137.43	56.13	112.26	Fighting Okra 18-19 Fed 21H (p)	455.58	567.00	5.09	
17700.00	10374.00	360.00	139.23	56.83	113.66	Fighting Okra 18-19 Fed 21H (p)	454.17	567.00	5.03	
17800.00	10374.00	360.00	141.04	57.54	115.07	Fighting Okra 18-19 Fed 21H (p)	452.75	567.00	4.96	
17900.00	10374.00	360.00	142.84	58.24	116.48	Fighting Okra 18-19 Fed 21H (p)	451.34	567.00	4.90	
18000.00	10374.00	360.00	144.64	58.95	117.90	Fighting Okra 18-19 Fed 21H (p)	449.92	567.00	4.84	
18075.58	10374.00	0.00	146.01	59.48	118.96	Fighting Okra 18-19 Fed 21H (p)	448.85	567.00	4.80	

Secondary Well: Fighting Okra Federal Com 1H ST01 (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	9324.90	9323.46	157.06	21.36	21.30	27.25	9318.75	9333.05	652.37	
100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	9216.54	9233.14	556.15	
200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	9116.62	9133.23	549.82	
300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	9016.70	9033.32	543.29	
400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8916.77	8933.42	536.59	
500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8816.84	8833.52	529.73	
600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8716.91	8733.61	522.74	
700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8616.97	8633.71	515.62	
800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8517.03	8533.82	508.39	
900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8417.09	8433.92	501.08	
1000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8317.15	8334.03	493.70	
1100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8217.21	8234.14	486.25	
1200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8117.27	8134.26	478.76	
1300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	8017.32	8034.37	471.24	
1400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7917.38	7934.49	463.69	
1500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7817.44	7834.61	456.13	
1600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7717.50	7734.74	448.57	
1700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7617.56	7634.87	441.01	
1800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7517.62	7535.00	433.46	
1900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7417.68	7435.14	425.92	
2000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7317.75	7335.28	418.40	
2100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7217.81	7235.42	410.91	
2200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7117.88	7135.57	403.45	
2300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	7017.95	7035.72	396.02	
2400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6918.03	6935.88	388.63	
2500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6818.11	6836.04	381.27	
2600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6718.19	6736.20	373.93	
2700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6618.27	6636.37	366.61	
2800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6518.36	6536.55	359.34	
2900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6418.45	6436.73	352.12	

SD Anti-Collision Report

Secondary Well: Fighting Okra Federal Com 1H ST01 (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
3000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6318.54	6336.91	344.94	
3100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6218.64	6237.11	337.80	
3200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6118.75	6137.31	330.72	
3300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	6018.86	6037.51	323.65	
3400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5918.97	5937.72	316.61	
3500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5819.09	5837.94	309.61	
3600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5719.21	5738.17	302.67	
3700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5619.34	5638.41	295.78	
3800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5519.48	5538.65	288.94	
3900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5419.63	5438.90	282.15	
4000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5319.78	5339.17	275.41	
4100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5219.94	5239.44	268.72	
4200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5120.11	5139.72	262.09	
4300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	5020.29	5040.01	255.51	
4400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4920.48	4940.32	248.99	
4500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4820.68	4840.64	242.51	
4600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4720.89	4740.97	236.09	
4700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4621.11	4641.32	229.72	
4800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4521.35	4541.68	223.40	
4900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4421.60	4442.06	217.14	
5000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4321.87	4342.45	210.94	
5100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4222.15	4242.87	204.79	
5200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4122.45	4143.30	198.70	
5300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	4022.77	4043.75	192.67	
5400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3923.11	3944.23	186.69	
5500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3823.47	3844.73	180.78	
5600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3723.85	3745.26	174.92	
5700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3624.27	3645.82	169.12	
5800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3524.71	3546.41	163.38	
5900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3425.18	3447.04	157.70	
6000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3325.68	3347.70	152.07	
6100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3226.23	3248.40	146.51	
6200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3126.81	3149.15	141.01	
6300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	3027.45	3049.94	135.57	
6400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2928.13	2950.79	130.20	
6500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2828.87	2851.70	124.89	
6600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2729.67	2752.67	119.65	
6700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2630.54	2653.72	114.47	
6800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2531.48	2554.85	109.35	
6900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2432.51	2456.07	104.24	
7000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2333.63	2357.39	99.20	
7100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2234.86	2258.83	94.23	
7200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2136.22	2160.40	89.33	
7300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	2037.71	2062.12	84.47	
7400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1939.35	1964.02	79.61	
7500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1841.18	1866.12	74.83	
7600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1743.23	1768.45	70.12	
7700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1645.55	1671.06	65.51	
7800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1548.18	1573.99	60.98	
7900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1451.19	1477.32	56.55	
8000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1354.64	1381.12	52.16	
8100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1258.62	1285.50	47.83	
8200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1163.21	1190.60	43.48	
8300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	1068.68	1096.61	39.26	
8400.00	9324.90	9323.46	157.06	21.36	21.30	27.25	975.26	1003.78	35.20	
8500.00	9324.90	9323.46	157.06	21.36	21.30	27.25	883.24	912.46	31.22	
8600.00	9324.90	9323.46	157.06	21.36	21.30	27.25	792.98	823.17	27.27	
8700.00	9324.90	9323.46	157.06	21.36	21.30	27.25	705.40	736.63	23.59	

5D Anti-Collision Report

Secondary Well: Fighting Okra Federal Com 1H ST01 (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
8800.00	9324.90	9323.46	157.06	21.36	21.30	27.25	621.26	653.95	20.01	
8900.00	9324.90	9323.46	157.06	21.36	21.30	27.25	542.43	576.77	16.80	
9000.00	9324.90	9323.46	157.06	21.36	21.30	27.25	471.08	507.63	13.89	
9100.00	9324.90	9323.46	157.06	21.36	21.30	27.25	411.24	450.23	11.55	
9200.00	9324.90	9323.46	157.06	21.36	21.30	27.25	368.28	409.54	9.93	
9300.00	9324.90	9323.46	157.06	21.36	21.30	27.25	348.19	390.83	9.17	
9400.00	9598.10	9620.31	151.72	21.41	18.69	28.14	312.66	351.12	9.13	
9500.00	9687.16	9736.95	145.45	21.54	17.72	28.50	251.55	288.80	7.75	
9600.00	9755.94	9840.93	131.75	21.75	16.57	28.80	183.96	220.49	6.03	
9700.00	9798.51	9920.16	109.32	21.99	15.63	29.00	112.38	150.55	3.94	
9800.00	9819.60	9970.31	85.85	22.18	15.11	29.13	58.90	103.00	2.34	
9900.00	9829.87	10000.71	261.14	22.31	14.87	29.20	83.90	124.84	3.05	
10000.00	9832.51	10009.63	269.39	22.35	14.81	29.23	164.48	200.06	5.62	
10100.00	9830.87	10004.02	293.63	22.33	14.85	29.21	256.78	290.58	8.60	
10200.00	9826.26	9989.34	320.18	22.26	14.95	29.17	350.13	383.59	11.46	
10300.00	9819.11	9968.96	335.56	22.17	15.12	29.12	440.25	473.90	14.08	
10400.00	9809.40	9944.56	343.39	22.08	15.36	29.06	524.71	558.86	16.36	
10500.00	9796.95	9916.86	347.69	21.98	15.67	28.99	601.92	636.75	18.28	
10600.00	9781.34	9885.81	350.27	21.88	16.03	28.92	670.62	706.21	19.84	
10700.00	9762.34	9851.74	351.52	21.78	16.44	28.83	730.35	766.76	21.06	
10800.00	9740.81	9816.33	351.54	21.69	16.84	28.73	790.83	828.10	22.22	
10900.00	9719.11	9782.93	351.62	21.62	17.18	28.64	855.38	893.44	23.48	
11000.00	9699.64	9754.47	351.69	21.57	17.50	28.55	923.57	962.31	24.84	
11100.00	9680.76	9728.15	351.73	21.53	17.79	28.47	995.10	1034.50	26.26	
11200.00	9657.48	9696.74	351.75	21.49	17.99	28.37	1069.20	1109.22	27.72	
11300.00	9634.10	9665.90	351.75	21.45	18.18	28.28	1145.37	1185.88	29.28	
11400.00	9616.15	9642.85	351.76	21.43	18.41	28.21	1223.51	1264.50	30.85	
11500.00	9601.68	9624.72	351.78	21.41	18.64	28.15	1303.60	1345.03	32.46	
11600.00	9588.09	9608.08	351.80	21.40	18.84	28.10	1385.51	1427.32	34.14	
11700.00	9574.65	9591.94	351.82	21.39	19.02	28.04	1468.94	1511.15	35.80	
11800.00	9561.89	9576.87	351.85	21.38	19.19	27.99	1553.71	1596.31	37.47	
11900.00	9547.96	9560.64	351.89	21.37	19.32	27.93	1639.69	1682.64	39.18	
12000.00	9534.94	9545.66	351.92	21.37	19.45	27.88	1726.71	1769.96	40.92	
12100.00	9523.70	9532.86	351.95	21.36	19.57	27.84	1814.71	1858.20	42.72	
12200.00	9513.11	9520.93	351.99	21.36	19.69	27.79	1903.54	1947.29	44.51	
12300.00	9503.91	9510.65	352.03	21.35	19.80	27.76	1993.12	2037.14	46.28	
12400.00	9495.82	9501.70	352.06	21.35	19.90	27.72	2083.50	2127.71	48.12	
12500.00	9488.20	9493.34	352.10	21.35	20.00	27.69	2174.50	2218.93	49.95	
12600.00	9481.04	9485.53	352.14	21.35	20.08	27.66	2266.18	2310.73	51.87	
12700.00	9473.74	9477.62	352.18	21.34	20.16	27.63	2358.28	2403.06	53.66	
12800.00	9466.72	9470.05	352.22	21.34	20.23	27.60	2450.97	2495.86	55.59	
12900.00	9460.08	9462.92	352.26	21.34	20.29	27.58	2544.01	2589.10	57.42	
13000.00	9453.78	9456.20	352.29	21.34	20.35	27.55	2637.57	2682.73	59.40	
13100.00	9446.67	9448.63	352.34	21.34	20.40	27.52	2731.44	2776.72	61.32	
13200.00	9438.77	9440.26	352.39	21.34	20.44	27.49	2825.59	2871.02	63.20	
13300.00	9431.24	9432.30	352.43	21.34	20.49	27.45	2920.03	2965.61	65.08	
13400.00	9424.05	9424.72	352.48	21.34	20.53	27.42	3014.75	3060.45	66.97	
13500.00	9418.38	9418.76	352.52	21.33	20.56	27.40	3109.73	3155.55	68.88	
13600.00	9414.18	9414.36	352.54	21.33	20.60	27.38	3204.97	3250.89	70.79	
13700.00	9410.19	9410.18	352.57	21.33	20.64	27.37	3300.45	3346.47	72.72	
13800.00	9406.38	9406.20	352.60	21.33	20.67	27.35	3396.15	3442.26	74.65	
13900.00	9402.74	9402.41	352.62	21.33	20.70	27.34	3492.06	3538.26	76.58	
14000.00	9399.26	9398.80	352.65	21.33	20.73	27.32	3588.16	3634.45	78.52	
14100.00	9395.94	9395.36	352.67	21.33	20.76	27.31	3684.44	3730.81	80.46	
14200.00	9392.76	9392.06	352.70	21.33	20.79	27.30	3780.89	3827.33	82.41	
14300.00	9389.76	9388.96	352.72	21.33	20.81	27.29	3877.49	3924.01	84.35	
14400.00	9388.41	9387.57	352.73	21.33	20.84	27.28	3974.24	4020.83	86.31	
14500.00	9387.12	9386.23	352.74	21.33	20.86	27.28	4071.13	4117.80	88.23	

5D Anti-Collision Report

Secondary Well: Fighting Okra Federal Com 1H ST01 (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
14600.00	9385.88	9384.96	352.75	21.33	20.88	27.28	4168.15	4214.90	90.15	
14700.00	9384.69	9383.74	352.76	21.33	20.90	27.28	4265.29	4312.13	92.06	
14800.00	9383.56	9382.57	352.76	21.33	20.92	27.28	4362.54	4409.48	93.95	
14900.00	9382.46	9381.45	352.77	21.33	20.94	27.28	4459.91	4506.94	95.84	
15000.00	9381.41	9380.38	352.78	21.33	20.95	27.28	4557.38	4604.50	97.73	
15100.00	9380.40	9379.35	352.79	21.33	20.97	27.28	4654.95	4702.16	99.62	
15200.00	9379.43	9378.35	352.79	21.33	20.98	27.28	4752.62	4799.91	101.51	
15300.00	9378.50	9377.40	352.80	21.34	20.99	27.28	4850.38	4897.74	103.40	
15400.00	9377.60	9376.48	352.81	21.34	21.01	27.28	4948.21	4995.66	105.29	
15500.00	9376.73	9375.59	352.81	21.34	21.02	27.28	5046.13	5093.66	107.18	
15600.00	9375.89	9374.74	352.82	21.34	21.03	27.28	5144.12	5191.73	109.06	
15700.00	9375.09	9373.92	352.82	21.34	21.04	27.28	5242.19	5289.87	110.95	
15800.00	9374.31	9373.12	352.83	21.34	21.05	27.28	5340.32	5388.07	112.83	
15900.00	9373.55	9372.36	352.84	21.34	21.06	27.28	5438.51	5486.34	114.71	
16000.00	9372.82	9371.62	352.84	21.34	21.07	27.28	5536.76	5584.66	116.58	
16100.00	9372.12	9370.90	352.85	21.34	21.08	27.28	5635.07	5683.04	118.45	
16200.00	9371.44	9370.21	352.85	21.34	21.09	27.28	5733.43	5781.48	120.33	
16300.00	9370.78	9369.53	352.85	21.34	21.09	27.28	5831.85	5879.97	122.19	
16400.00	9370.14	9368.89	352.86	21.34	21.10	27.27	5930.31	5978.50	124.06	
16500.00	9369.51	9368.26	352.86	21.34	21.11	27.27	6028.82	6077.08	125.92	
16600.00	9368.91	9367.65	352.87	21.34	21.12	27.27	6127.37	6175.70	127.77	
16700.00	9368.33	9367.05	352.87	21.34	21.12	27.27	6225.97	6274.37	129.62	
16800.00	9367.76	9366.48	352.88	21.34	21.13	27.27	6324.60	6373.08	131.47	
16900.00	9367.21	9365.92	352.88	21.34	21.13	27.27	6423.28	6471.82	133.32	
17000.00	9366.68	9365.38	352.88	21.34	21.14	27.27	6521.99	6570.60	135.16	
17100.00	9366.16	9364.86	352.89	21.34	21.14	27.27	6620.74	6669.42	136.99	
17200.00	9365.65	9364.35	352.89	21.34	21.15	27.27	6719.52	6768.27	138.82	
17300.00	9365.16	9363.85	352.89	21.34	21.15	27.27	6818.33	6867.15	140.65	
17400.00	9364.69	9363.37	352.90	21.35	21.16	27.27	6917.17	6966.07	142.47	
17500.00	9364.22	9362.90	352.90	21.35	21.16	27.27	7016.04	7065.01	144.28	
17600.00	9363.77	9362.44	352.90	21.35	21.17	27.27	7114.94	7163.98	146.10	
17700.00	9363.33	9362.00	352.91	21.35	21.17	27.27	7213.87	7262.98	147.90	
17800.00	9362.90	9361.56	352.91	21.35	21.17	27.27	7312.83	7362.00	149.70	
17900.00	9362.48	9361.14	352.91	21.35	21.18	27.27	7411.81	7461.05	151.50	
18000.00	9362.07	9360.73	352.92	21.35	21.18	27.27	7510.81	7560.13	153.29	
18075.58	9361.77	9360.43	352.92	21.35	21.18	27.27	7585.65	7635.02	154.64	

Secondary Well: Fighting Okra Federal Com 1H ST00 (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	5.00	0.00	179.85	0.00	0.00	0.00	278.54	279.26	391.95	
100.00	100.09	95.09	179.81	0.13	0.13	2.10	278.25	279.20	294.70	
200.00	199.41	194.41	179.66	0.36	0.36	2.63	277.85	279.25	199.12	
300.00	299.62	294.64	179.39	0.62	0.62	2.63	277.57	279.46	147.84	
400.00	400.31	395.34	179.06	0.89	0.89	2.63	277.10	279.48	117.35	
500.00	499.59	494.63	178.73	1.15	1.15	2.64	276.61	279.48	97.39	
600.00	599.39	594.44	178.43	1.42	1.42	2.65	276.31	279.66	83.32	
700.00	699.43	694.49	178.15	1.68	1.68	2.65	276.04	279.88	72.77	
800.00	800.01	795.08	177.87	1.95	1.95	2.66	275.62	279.96	64.56	
900.00	899.71	894.79	177.56	2.21	2.21	2.67	275.19	280.01	58.04	
1000.00	999.14	994.23	177.26	2.47	2.47	2.68	274.87	280.18	52.76	
1100.00	1098.26	1093.35	177.06	2.72	2.72	2.69	274.93	280.72	48.50	
1200.00	1198.39	1193.49	176.87	2.98	2.98	2.70	274.99	281.26	44.88	
1300.00	1298.24	1293.35	176.63	3.24	3.23	2.71	275.17	281.92	41.78	
1400.00	1397.97	1393.09	176.38	3.47	3.47	2.72	275.29	282.50	39.23	
1500.00	1497.05	1492.18	176.36	3.65	3.65	2.73	275.82	283.42	37.27	
1600.00	1596.67	1591.80	176.34	3.83	3.83	2.75	276.51	284.53	35.51	
1700.00	1696.46	1691.60	176.26	4.03	4.03	2.76	277.31	285.74	33.88	
1800.00	1795.73	1790.88	176.22	4.24	4.24	2.77	278.20	287.07	32.38	

5D Anti-Collision Report

Secondary Well: Fighting Okra Federal Com 1H ST00 (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
1900.00	1896.59	1891.75	176.16	4.45	4.45	2.78	279.20	288.51	30.99	
2000.00	1997.49	1992.65	176.12	4.68	4.68	2.79	279.74	289.50	29.67	
2100.00	2097.08	2092.25	176.04	4.92	4.92	2.81	280.19	290.40	28.44	
2200.00	2196.44	2191.62	175.94	5.16	5.16	2.82	280.84	291.51	27.30	
2300.00	2298.88	2294.07	175.80	5.43	5.42	2.84	281.19	292.36	26.18	
2400.00	2399.08	2394.26	175.68	5.69	5.68	2.85	281.07	292.72	25.12	
2500.00	2500.74	2495.93	175.52	5.93	5.92	2.86	280.61	292.71	24.18	
2600.00	2600.51	2595.72	175.17	6.15	6.15	2.88	279.94	292.51	23.28	
2700.00	2700.44	2695.68	174.74	6.39	6.38	2.90	279.30	292.33	22.43	
2800.00	2799.44	2794.70	174.21	6.63	6.62	2.91	278.77	292.27	21.66	
2900.00	2896.02	2891.36	173.51	6.87	6.86	2.93	279.02	292.98	20.98	
3000.00	2991.86	2987.31	172.71	7.13	7.11	2.95	280.66	295.10	20.43	
3100.00	3090.02	3085.62	171.86	7.39	7.37	2.97	283.35	298.29	19.97	
3200.00	3192.23	3187.99	170.96	7.66	7.64	2.99	285.97	301.41	19.52	
3300.00	3296.35	3292.24	169.99	7.93	7.91	3.01	287.31	303.26	19.02	
3400.00	3399.38	3395.41	169.00	8.19	8.17	3.04	287.50	303.93	18.51	
3500.00	3498.36	3494.51	168.10	8.43	8.41	3.06	287.21	304.09	18.01	
3600.00	3597.76	3594.04	167.17	8.68	8.66	3.09	287.50	304.85	17.57	
3700.00	3697.78	3694.16	166.32	8.94	8.91	3.12	287.74	305.56	17.15	
3800.00	3799.88	3796.36	165.46	9.19	9.16	3.15	287.73	306.01	16.74	
3900.00	3904.64	3901.23	164.61	9.42	9.40	3.18	286.59	305.32	16.31	
4000.00	4004.12	4000.80	163.85	9.63	9.61	3.21	284.71	303.89	15.85	
4100.00	4107.22	4103.98	163.17	9.83	9.80	3.25	282.32	301.93	15.40	
4200.00	4205.71	4202.54	162.64	10.00	9.97	3.28	279.70	299.72	14.97	
4300.00	4302.53	4299.38	162.25	10.19	10.16	3.32	277.99	298.43	14.60	
4400.00	4401.92	4398.79	161.92	10.40	10.37	3.36	276.79	297.67	14.26	
4500.00	4500.03	4496.95	161.39	10.63	10.59	3.40	275.91	297.24	13.94	
4600.00	4595.87	4592.86	160.71	10.87	10.83	3.44	276.12	297.92	13.67	
4700.00	4691.62	4688.73	159.89	11.12	11.08	3.49	277.74	300.02	13.47	
4800.00	4788.90	4786.13	159.15	11.38	11.34	3.53	280.66	303.40	13.34	
4900.00	4889.27	4886.61	158.64	11.64	11.60	3.59	283.78	306.99	13.23	
5000.00	4990.48	4987.90	158.21	11.90	11.85	3.64	286.64	310.32	13.11	
5100.00	5091.07	5088.56	157.76	12.16	12.11	3.70	288.99	313.17	12.95	
5200.00	5192.02	5189.58	157.33	12.43	12.38	3.76	291.31	315.98	12.81	
5300.00	5294.27	5291.87	156.97	12.69	12.64	3.83	292.96	318.14	12.64	
5400.00	5395.21	5392.85	156.54	12.96	12.91	3.89	294.07	319.73	12.46	
5500.00	5492.65	5490.33	156.17	13.22	13.16	3.96	295.39	321.52	12.30	
5600.00	5594.44	5592.15	155.91	13.48	13.42	4.03	297.08	323.69	12.16	
5700.00	5696.06	5693.80	155.60	13.75	13.69	4.11	298.03	325.12	12.00	
5800.00	5792.20	5789.96	155.38	13.99	13.93	4.18	299.32	326.87	11.86	
5900.00	5893.40	5891.19	155.25	14.24	14.18	4.26	301.10	329.11	11.75	
6000.00	5994.03	5991.85	155.11	14.49	14.43	4.34	302.51	330.99	11.62	
6100.00	6092.50	6090.34	154.92	14.74	14.68	4.43	304.10	333.04	11.51	
6200.00	6192.28	6190.15	154.72	14.99	14.93	4.52	305.90	335.30	11.41	
6300.00	6292.33	6290.23	154.65	15.22	15.16	4.61	307.83	337.70	11.31	
6400.00	6394.98	6392.90	154.59	15.47	15.41	4.71	309.14	339.49	11.19	
6500.00	6494.76	6492.69	154.48	15.72	15.66	4.81	310.06	340.90	11.06	
6600.00	6593.50	6591.46	154.39	15.96	15.90	4.91	311.39	342.69	10.95	
6700.00	6694.47	6692.44	154.35	16.20	16.14	5.01	312.73	344.51	10.84	
6800.00	6796.10	6794.08	154.25	16.46	16.39	5.12	313.59	345.85	10.72	
6900.00	6894.22	6892.21	154.15	16.70	16.64	5.23	314.32	347.06	10.60	
7000.00	6994.27	6992.28	154.20	16.90	16.84	5.35	315.79	348.95	10.52	
7100.00	7095.90	7093.92	154.38	17.06	17.00	5.47	316.76	350.31	10.44	
7200.00	7197.06	7195.09	154.49	17.22	17.15	5.59	317.39	351.31	10.36	
7300.00	7294.78	7292.82	154.54	17.40	17.33	5.71	318.06	352.38	10.27	
7400.00	7396.90	7394.95	154.52	17.63	17.56	5.84	318.90	353.68	10.17	
7500.00	7497.46	7495.51	154.50	17.86	17.80	5.97	319.21	354.45	10.06	
7600.00	7595.44	7593.50	154.38	18.12	18.06	6.10	319.72	355.44	9.95	

5D Anti-Collision Report

Secondary Well: Fighting Okra Federal Com 1H ST00 (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
7700.00	7694.04	7692.11	154.31	18.36	18.30	6.24	320.72	356.90	9.86	
7800.00	7791.29	7789.38	154.37	18.57	18.51	6.38	322.38	358.99	9.81	
7900.00	7891.80	7889.92	154.45	18.79	18.72	6.52	324.31	361.34	9.76	
8000.00	7991.94	7990.09	154.57	18.99	18.93	6.67	326.08	363.53	9.71	
8100.00	8090.82	8089.00	154.57	19.21	19.15	6.82	328.12	365.99	9.67	
8200.00	8191.43	8189.64	154.61	19.44	19.38	6.98	329.97	368.28	9.61	
8300.00	8290.24	8288.48	154.70	19.65	19.59	7.13	332.11	370.86	9.57	
8400.00	8391.25	8389.52	154.84	19.86	19.80	7.29	334.14	373.35	9.52	
8500.00	8492.38	8490.68	154.89	20.08	20.01	7.46	335.89	375.55	9.47	
8600.00	8593.23	8591.56	155.07	20.26	20.20	7.63	337.36	377.43	9.42	
8700.00	8694.82	8693.17	155.32	20.41	20.35	7.80	338.61	379.07	9.37	
8800.00	8794.17	8792.55	155.60	20.55	20.48	7.97	339.55	380.39	9.32	
8900.00	8893.65	8892.06	155.88	20.69	20.63	8.15	340.84	382.05	9.27	
9000.00	8991.61	8990.05	156.16	20.84	20.78	8.32	342.32	383.90	9.23	
9100.00	9093.18	9091.67	156.45	21.01	20.95	8.51	344.03	386.00	9.20	
9200.00	9193.23	9191.75	156.71	21.17	21.11	8.69	345.35	387.71	9.15	
9300.00	9292.78	9291.33	156.97	21.33	21.27	8.88	346.77	389.51	9.11	
9400.00	9396.95	9395.53	157.24	21.45	21.38	22.80	347.93	390.98	9.08	
9500.00	9611.27	9612.79	156.17	21.46	20.80	28.56	338.60	380.71	9.04	
9600.00	9787.37	9811.06	150.97	21.57	19.15	29.30	297.23	336.67	8.54	
9700.00	9913.92	10005.98	129.32	22.00	16.22	29.78	230.14	265.31	7.54	
9800.00	9940.54	10072.03	108.91	22.27	15.64	29.93	148.99	185.76	5.05	
9900.00	9951.94	10107.52	278.43	22.45	15.45	30.01	79.69	122.41	2.87	
10000.00	9955.01	10118.13	272.39	22.50	15.41	30.04	73.90	117.66	2.69	
10100.00	9952.75	10110.27	283.40	22.46	15.44	30.02	142.23	180.11	4.75	
10200.00	9946.64	10090.33	306.08	22.36	15.53	29.97	228.75	264.28	7.44	
10300.00	9937.45	10063.33	325.18	22.23	15.70	29.91	315.67	350.65	10.02	
10400.00	9924.97	10031.29	336.39	22.10	15.96	29.84	398.17	433.33	12.33	
10500.00	9910.28	9998.19	342.68	21.97	16.31	29.76	473.95	509.70	14.26	
10600.00	9894.38	9966.84	346.44	21.87	16.76	29.70	542.20	578.72	15.85	
10700.00	9876.77	9936.09	348.32	21.79	17.25	29.63	602.65	640.30	17.01	
10800.00	9857.72	9906.06	348.50	21.72	17.73	29.56	665.49	704.05	18.26	
10900.00	9839.38	9879.27	348.71	21.66	18.16	29.49	733.35	772.69	19.64	
11000.00	9822.53	9856.13	348.90	21.62	18.53	29.43	805.33	845.55	21.02	
11100.00	9806.53	9835.17	349.10	21.59	18.86	29.37	880.95	921.91	22.51	
11200.00	9789.51	9813.71	349.30	21.57	19.12	29.30	959.68	1001.14	24.15	
11300.00	9773.07	9793.54	349.49	21.55	19.34	29.24	1040.78	1082.66	25.85	
11400.00	9757.62	9775.02	349.66	21.53	19.53	29.18	1123.78	1166.12	27.54	
11500.00	9741.83	9756.47	349.82	21.52	19.68	29.11	1208.48	1251.23	29.27	
11600.00	9726.17	9738.34	349.97	21.50	19.81	29.05	1294.56	1337.69	31.02	
11700.00	9713.44	9723.80	350.09	21.50	19.94	28.99	1381.92	1425.35	32.82	
11800.00	9701.91	9710.80	350.19	21.49	20.06	28.95	1470.44	1514.12	34.66	
11900.00	9690.89	9698.51	350.29	21.48	20.17	28.90	1559.99	1603.87	36.55	
12000.00	9680.35	9686.86	350.38	21.48	20.26	28.85	1650.42	1694.45	38.49	
12100.00	9670.53	9676.10	350.47	21.48	20.35	28.81	1741.52	1785.78	40.35	
12200.00	9661.66	9666.46	350.55	21.47	20.42	28.78	1833.32	1877.78	42.24	
12300.00	9653.51	9657.64	350.62	21.47	20.49	28.74	1925.84	1970.38	44.24	
12400.00	9645.88	9649.45	350.68	21.47	20.55	28.71	2018.78	2063.52	46.12	
12500.00	9638.74	9641.82	350.74	21.47	20.61	28.68	2112.25	2157.14	48.05	
12600.00	9632.10	9634.76	350.80	21.47	20.66	28.65	2206.13	2251.20	49.95	
12700.00	9625.87	9628.15	350.85	21.46	20.70	28.62	2300.42	2345.65	51.86	
12800.00	9620.00	9621.96	350.90	21.46	20.74	28.60	2395.10	2440.46	53.79	
12900.00	9614.47	9616.15	350.94	21.46	20.78	28.57	2490.17	2535.60	55.82	
13000.00	9609.26	9610.68	350.99	21.46	20.81	28.55	2585.46	2631.03	57.73	
13100.00	9603.63	9604.79	351.03	21.46	20.84	28.53	2681.02	2726.73	59.66	
13200.00	9598.19	9599.12	351.07	21.46	20.87	28.50	2776.86	2822.67	61.62	
13300.00	9593.03	9593.75	351.11	21.46	20.90	28.48	2872.94	2918.83	63.60	
13400.00	9588.13	9588.66	351.15	21.46	20.92	28.46	2969.22	3015.19	65.60	

5D Anti-Collision Report

Secondary Well: Fighting Okra Federal Com 1H ST00 (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
13500.00	9583.47	9583.83	351.19	21.46	20.95	28.44	3065.71	3111.74	67.60	
13600.00	9579.03	9579.23	351.22	21.46	20.97	28.42	3162.36	3208.46	69.60	
13700.00	9575.15	9575.23	351.25	21.46	20.99	28.40	3259.19	3305.35	71.60	
13800.00	9571.48	9571.44	351.28	21.46	21.01	28.38	3356.13	3402.39	73.56	
13900.00	9567.97	9567.84	351.31	21.46	21.03	28.37	3453.22	3499.57	75.51	
14000.00	9564.63	9564.40	351.34	21.46	21.05	28.35	3550.45	3596.88	77.47	
14100.00	9561.43	9561.11	351.36	21.46	21.07	28.34	3647.80	3694.31	79.43	
14200.00	9558.37	9557.98	351.39	21.46	21.08	28.33	3745.28	3791.86	81.39	
14300.00	9555.44	9554.98	351.41	21.46	21.10	28.31	3842.86	3889.52	83.35	
14400.00	9552.64	9552.11	351.44	21.46	21.11	28.30	3940.54	3987.28	85.31	
14500.00	9549.95	9549.36	351.46	21.46	21.13	28.29	4038.32	4085.13	87.27	
14600.00	9547.36	9546.72	351.48	21.46	21.14	28.28	4136.19	4183.07	89.23	
14700.00	9544.84	9544.15	351.51	21.46	21.15	28.27	4234.15	4281.10	91.19	
14800.00	9542.42	9541.68	351.53	21.46	21.16	28.26	4332.18	4379.20	93.14	
14900.00	9540.09	9539.31	351.55	21.46	21.17	28.24	4430.29	4477.38	95.10	
15000.00	9537.85	9537.03	351.57	21.46	21.18	28.23	4528.47	4575.62	97.05	
15100.00	9535.69	9534.83	351.59	21.46	21.19	28.22	4626.72	4673.93	99.00	
15200.00	9533.60	9532.71	351.61	21.46	21.20	28.22	4725.03	4772.30	100.94	
15300.00	9531.59	9530.67	351.63	21.46	21.20	28.21	4823.39	4870.74	102.88	
15400.00	9529.65	9528.70	351.64	21.46	21.21	28.20	4921.82	4969.22	104.82	
15500.00	9527.78	9526.80	351.66	21.46	21.22	28.19	5020.29	5067.76	106.76	
15600.00	9525.97	9524.97	351.68	21.46	21.23	28.18	5118.82	5166.35	108.69	
15700.00	9524.22	9523.19	351.69	21.46	21.23	28.17	5217.39	5264.99	110.61	
15800.00	9522.53	9521.48	351.71	21.46	21.24	28.17	5316.01	5363.67	112.54	
15900.00	9520.89	9519.82	351.72	21.46	21.24	28.16	5414.68	5462.40	114.46	
16000.00	9519.31	9518.22	351.74	21.46	21.25	28.15	5513.38	5561.17	116.37	
16100.00	9517.77	9516.66	351.75	21.46	21.25	28.14	5612.12	5659.97	118.28	
16200.00	9516.42	9515.30	351.77	21.46	21.26	28.14	5710.90	5758.82	120.18	
16300.00	9515.22	9514.08	351.78	21.46	21.26	28.13	5809.71	5857.70	122.08	
16400.00	9514.06	9512.91	351.79	21.46	21.27	28.13	5908.56	5956.61	123.98	
16500.00	9512.93	9511.76	351.80	21.46	21.27	28.12	6007.45	6055.56	125.87	
16600.00	9511.83	9510.66	351.81	21.46	21.28	28.12	6106.36	6154.53	127.75	
16700.00	9510.76	9509.58	351.82	21.46	21.28	28.11	6205.30	6253.54	129.63	
16800.00	9509.73	9508.54	351.83	21.46	21.28	28.11	6304.27	6352.58	131.50	
16900.00	9508.72	9507.52	351.84	21.46	21.29	28.10	6403.27	6451.64	133.37	
17000.00	9507.75	9506.54	351.84	21.46	21.29	28.10	6502.29	6550.74	135.23	
17100.00	9506.80	9505.58	351.85	21.46	21.29	28.09	6601.34	6649.85	137.09	
17200.00	9505.87	9504.64	351.86	21.46	21.30	28.09	6700.42	6748.99	138.94	
17300.00	9504.97	9503.74	351.87	21.46	21.30	28.09	6799.51	6848.16	140.78	
17400.00	9504.09	9502.85	351.88	21.46	21.30	28.08	6898.63	6947.34	142.62	
17500.00	9503.24	9501.99	351.89	21.46	21.30	28.08	6997.77	7046.55	144.46	
17600.00	9502.41	9501.15	351.89	21.46	21.31	28.07	7096.93	7145.78	146.28	
17700.00	9501.60	9500.34	351.90	21.46	21.31	28.07	7196.11	7245.02	148.10	
17800.00	9500.81	9499.54	351.91	21.46	21.31	28.07	7295.30	7344.29	149.91	
17900.00	9500.04	9498.76	351.91	21.46	21.31	28.06	7394.51	7443.58	151.71	
18000.00	9499.29	9498.01	351.92	21.46	21.31	28.06	7493.74	7542.88	153.50	
18075.58	9498.73	9497.45	351.93	21.46	21.32	28.06	7568.74	7617.94	154.84	

Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	0.00	2.00	179.60	0.00	0.00	0.10	49.35	49.99	77.90	
100.00	100.00	102.00	179.60	0.12	0.12	4.60	49.13	49.99	57.81	
200.00	200.00	202.00	179.60	0.34	0.34	4.62	48.68	49.99	38.04	
300.00	300.00	302.00	179.60	0.57	0.57	4.65	48.23	49.99	28.34	
400.00	400.00	402.00	179.60	0.79	0.79	4.70	47.78	49.99	22.59	
500.00	500.00	502.00	179.60	1.02	1.02	4.75	47.33	49.99	18.77	
600.00	600.00	602.00	179.60	1.24	1.24	4.81	46.88	49.99	16.06	
700.00	700.00	702.00	179.60	1.47	1.47	4.89	46.43	49.99	14.03	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
800.00	800.00	802.00	179.60	1.69	1.69	4.97	45.98	49.99	12.46	
900.00	900.00	902.00	179.60	1.92	1.92	5.06	45.53	49.99	11.21	
1000.00	1000.00	1002.00	179.60	2.14	2.14	5.16	45.08	49.99	10.18	
1100.00	1100.00	1102.00	179.60	2.36	2.36	5.27	44.63	49.99	9.33	
1200.00	1200.00	1202.00	179.60	2.59	2.59	5.38	44.18	49.99	8.60	
1300.00	1300.00	1302.00	179.60	2.81	2.81	5.50	43.73	49.99	7.99	
1400.00	1400.00	1402.00	179.60	3.04	3.04	5.63	43.28	49.99	7.45	
1500.00	1500.00	1502.00	179.60	3.26	3.26	5.76	42.83	49.99	6.98	
1600.00	1600.00	1602.00	179.60	3.49	3.49	5.89	42.38	49.99	6.57	
1700.00	1700.00	1702.00	179.60	3.71	3.71	6.03	41.93	49.99	6.20	
1800.00	1800.00	1802.00	179.60	3.94	3.94	6.18	41.48	49.99	5.88	
1900.00	1900.00	1902.00	179.60	4.16	4.16	6.32	41.03	49.99	5.58	
2000.00	2000.00	2002.00	179.60	4.39	4.39	6.47	40.58	49.99	5.31	
2100.00	2100.00	2102.00	179.60	4.61	4.61	6.63	40.14	49.99	5.07	
2200.00	2200.00	2202.00	179.60	4.84	4.84	6.79	39.69	49.99	4.85	
2300.00	2300.00	2302.00	179.60	5.06	5.06	6.95	39.24	49.99	4.65	
2400.00	2400.00	2402.00	179.60	5.29	5.29	7.11	38.79	49.99	4.46	
2500.00	2500.00	2502.00	179.60	5.51	5.51	7.28	38.34	49.99	4.29	
2600.00	2600.00	2602.00	179.60	5.74	5.74	7.45	37.89	49.99	4.13	
2700.00	2700.00	2702.00	179.60	5.96	5.96	7.62	37.44	49.99	3.98	
2800.00	2800.00	2802.00	179.60	6.19	6.19	7.79	36.99	49.99	3.84	
2900.00	2900.00	2902.00	179.60	6.41	6.41	7.97	36.54	49.99	3.72	
3000.00	3000.00	3002.00	179.60	6.64	6.64	8.15	36.09	49.99	3.60	
3100.00	3100.00	3102.00	179.60	6.86	6.86	8.33	35.64	49.99	3.48	
3200.00	3200.00	3202.00	179.60	7.09	7.09	8.52	35.19	49.99	3.38	
3300.00	3300.00	3302.00	179.60	7.31	7.31	8.71	34.74	49.99	3.28	
3400.00	3400.00	3402.00	179.60	7.53	7.53	8.90	34.29	49.99	3.18	
3500.00	3500.00	3502.00	179.60	7.76	7.76	9.09	33.84	49.99	3.10	
3600.00	3600.00	3602.00	179.60	7.98	7.98	9.29	33.39	49.99	3.01	
3700.00	3700.00	3702.00	179.60	8.21	8.21	9.49	32.94	49.99	2.93	
3800.00	3800.00	3802.00	179.60	8.43	8.43	9.69	32.49	49.99	2.86	
3900.00	3900.00	3902.00	179.60	8.66	8.66	9.89	32.04	49.99	2.79	
4000.00	4000.00	4002.00	179.60	8.88	8.88	10.10	31.59	49.99	2.72	
4100.00	4100.00	4102.00	179.60	9.11	9.11	10.31	31.14	49.99	2.65	
4200.00	4200.00	4202.00	179.60	9.33	9.33	10.52	30.69	49.99	2.59	
4300.00	4300.00	4302.00	179.60	9.56	9.56	10.74	30.24	49.99	2.53	
4400.00	4400.00	4402.00	179.60	9.78	9.78	10.96	29.80	49.99	2.48	
4500.00	4500.00	4502.00	179.60	10.01	10.01	11.19	29.35	49.99	2.42	
4600.00	4600.00	4602.00	179.60	10.23	10.23	11.41	28.90	49.99	2.37	
4700.00	4700.00	4702.00	179.60	10.46	10.46	11.64	28.45	49.99	2.32	
4800.00	4800.00	4802.00	179.60	10.68	10.68	11.88	28.00	49.99	2.27	
4900.00	4900.00	4902.00	179.60	10.91	10.91	12.11	27.55	49.99	2.23	
5000.00	5000.00	5002.00	179.60	11.13	11.13	12.36	27.10	49.99	2.18	
5100.00	5100.00	5102.00	179.60	11.36	11.36	12.60	26.65	49.99	2.14	
5200.00	5200.00	5202.00	179.60	11.58	11.58	12.85	26.20	49.99	2.10	
5300.00	5300.00	5302.00	179.60	11.81	11.81	13.10	25.75	49.99	2.06	
5400.00	5399.98	5401.98	179.60	12.03	12.03	13.36	25.32	49.99	2.03	
5500.00	5499.12	5501.13	179.39	12.22	12.22	13.62	25.79	50.87	2.03	
5600.00	5598.17	5600.21	178.81	12.39	12.38	13.88	28.01	53.45	2.10	
5700.00	5697.04	5699.17	177.97	12.56	12.55	14.15	31.89	57.73	2.23	
5800.00	5795.64	5797.96	176.99	12.72	12.71	14.41	37.51	63.71	2.43	
5900.00	5893.89	5896.51	175.97	12.90	12.86	14.69	44.86	71.42	2.69	
6000.00	5993.08	5996.08	175.05	13.07	13.04	14.96	53.12	80.05	2.97	
6100.00	6092.32	6095.70	174.31	13.25	13.21	15.25	61.37	88.70	3.25	
6200.00	6191.56	6195.32	173.70	13.43	13.39	15.54	69.61	97.36	3.51	
6300.00	6290.80	6294.94	173.19	13.62	13.57	15.83	77.90	106.03	3.77	
6400.00	6390.04	6394.56	172.76	13.81	13.75	16.13	86.13	114.70	4.01	
6500.00	6489.29	6494.18	172.39	14.00	13.93	16.43	94.43	123.38	4.26	

SD Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
6600.00	6588.53	6593.80	172.07	14.20	14.12	16.74	102.71	132.07	4.50	
6700.00	6687.77	6693.42	171.79	14.39	14.30	17.05	110.96	140.76	4.72	
6800.00	6789.54	6795.52	171.55	14.61	14.52	17.38	118.40	148.68	4.91	
6900.00	6891.86	6898.04	171.39	14.85	14.76	17.71	124.06	154.83	5.03	
7000.00	6994.48	7000.75	171.28	15.09	15.00	18.05	127.95	159.19	5.10	
7100.00	7097.28	7103.59	171.21	15.32	15.23	18.40	130.07	161.76	5.10	
7200.00	7200.00	7206.31	171.20	15.55	15.46	18.75	130.40	162.55	5.06	
7300.00	7300.00	7306.31	171.20	15.77	15.68	19.09	129.95	162.55	4.99	
7400.00	7400.00	7406.31	171.20	15.99	15.90	19.44	129.50	162.55	4.92	
7500.00	7500.00	7506.31	171.20	16.21	16.12	19.80	129.05	162.55	4.85	
7600.00	7600.00	7606.31	171.20	16.43	16.35	20.16	128.60	162.55	4.79	
7700.00	7700.00	7706.31	171.20	16.65	16.57	20.53	128.16	162.55	4.73	
7800.00	7800.00	7806.31	171.20	16.87	16.79	20.90	127.71	162.55	4.67	
7900.00	7900.00	7906.31	171.20	17.09	17.01	21.28	127.26	162.55	4.61	
8000.00	8000.00	8006.31	171.20	17.32	17.24	21.66	126.81	162.55	4.55	
8100.00	8100.00	8106.31	171.20	17.54	17.46	22.05	126.36	162.55	4.49	
8200.00	8200.00	8206.31	171.20	17.76	17.68	22.44	125.91	162.55	4.44	
8300.00	8300.00	8306.31	171.20	17.98	17.91	22.84	125.47	162.55	4.38	
8400.00	8400.00	8406.31	171.20	18.20	18.13	23.24	125.02	162.55	4.33	
8500.00	8500.00	8506.31	171.20	18.43	18.35	23.65	124.57	162.55	4.28	
8600.00	8600.00	8606.31	171.20	18.65	18.58	24.07	124.12	162.55	4.23	
8700.00	8700.00	8706.31	171.20	18.87	18.80	24.49	123.67	162.55	4.18	
8800.00	8800.00	8806.31	171.20	19.09	19.02	24.92	123.22	162.55	4.13	
8900.00	8900.00	8906.31	171.20	19.31	19.25	25.35	122.78	162.55	4.09	
9000.00	9000.00	9006.31	171.20	19.54	19.47	25.79	122.33	162.55	4.04	
9100.00	9100.00	9106.31	171.20	19.76	19.69	26.23	121.88	162.55	4.00	
9200.00	9200.00	9206.31	171.20	19.98	19.92	26.68	121.43	162.55	3.95	
9300.00	9296.73	9303.04	171.20	20.19	20.13	27.12	121.14	162.69	3.92	
9400.00	9371.95	9378.65	171.55	20.34	20.13	27.46	130.37	171.90	4.14	
9500.00	9442.05	9450.79	172.27	20.49	19.92	27.76	153.80	195.02	4.73	
9600.00	9503.97	9517.20	173.09	20.65	19.56	28.03	190.33	230.82	5.70	
9700.00	9556.45	9576.65	173.85	20.81	19.11	28.24	237.98	277.63	7.00	
9800.00	9599.67	9628.90	174.48	20.97	18.64	28.41	294.85	333.64	8.60	
9900.00	9635.29	9675.11	3.72	21.13	18.17	28.55	357.47	395.48	10.40	
10000.00	9667.84	9720.85	3.75	21.30	17.68	28.68	413.94	450.99	12.17	
10100.00	9697.68	9766.95	2.10	21.50	17.17	28.80	461.57	497.70	13.78	
10200.00	9724.46	9813.37	1.00	21.72	16.67	28.92	500.04	535.17	15.23	
10300.00	9747.87	9860.02	0.52	21.98	16.18	29.03	528.84	563.03	16.47	
10400.00	9767.64	9906.82	0.28	22.25	15.74	29.14	547.62	581.00	17.41	
10500.00	9783.54	9953.71	0.14	22.57	15.37	29.26	556.29	588.90	18.06	
10600.00	9795.43	10000.62	0.03	22.88	15.08	29.38	554.51	586.66	18.25	
10700.00	9803.19	10047.55	359.97	23.25	14.90	29.51	543.12	575.03	18.02	
10800.00	9806.77	10095.12	359.97	23.63	14.84	29.64	535.63	567.48	17.82	
10900.00	9807.00	10178.23	359.97	24.36	14.96	29.91	534.81	567.00	17.61	
11000.00	9807.00	10278.23	359.97	25.32	15.15	30.30	534.39	567.00	17.39	
11100.00	9807.00	10378.23	359.97	26.38	15.37	30.74	533.92	567.00	17.14	
11200.00	9807.00	10478.23	359.97	27.52	15.63	31.25	533.40	567.00	16.87	
11300.00	9807.00	10578.23	359.97	28.73	15.91	31.82	532.81	567.00	16.59	
11400.00	9807.00	10678.23	359.97	30.00	16.22	32.45	532.18	567.00	16.28	
11500.00	9807.00	10778.23	359.97	31.32	16.56	33.13	531.50	567.00	15.97	
11600.00	9807.00	10878.23	359.97	32.70	16.93	33.86	530.78	567.00	15.65	
11700.00	9807.00	10978.23	359.97	34.12	17.32	34.63	530.01	567.00	15.33	
11800.00	9807.00	11078.23	359.97	35.57	17.73	35.45	529.17	567.00	14.99	
11900.00	9807.00	11178.23	359.97	37.06	18.16	36.31	528.29	567.00	14.65	
12000.00	9807.00	11278.23	359.97	38.57	18.61	37.21	527.37	567.00	14.31	
12100.00	9807.00	11378.23	359.97	40.12	19.07	38.15	526.43	567.00	13.98	
12200.00	9807.00	11478.23	359.98	41.68	19.56	39.11	525.49	567.00	13.66	
12300.00	9807.00	11578.23	359.98	43.27	20.06	40.11	524.53	567.00	13.35	

SD Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
12400.00	9807.00	11678.23	359.98	44.87	20.57	41.14	523.53	567.00	13.04	
12500.00	9807.00	11778.23	359.98	46.50	21.09	42.19	522.46	567.00	12.73	
12600.00	9807.00	11878.23	359.98	48.13	21.63	43.26	521.33	567.00	12.41	
12700.00	9807.00	11978.23	359.98	49.78	22.18	44.36	520.32	567.00	12.15	
12800.00	9807.00	12078.23	359.98	51.44	22.74	45.48	519.14	567.00	11.85	
12900.00	9807.00	12178.23	359.98	53.11	23.31	46.62	518.07	567.00	11.59	
13000.00	9807.00	12278.23	359.98	54.80	23.89	47.77	516.85	567.00	11.31	
13100.00	9807.00	12378.23	359.98	56.49	24.47	48.94	515.68	567.00	11.05	
13200.00	9807.00	12478.23	359.98	58.19	25.07	50.13	514.51	567.00	10.80	
13300.00	9807.00	12578.23	359.98	59.89	25.67	51.33	513.34	567.00	10.57	
13400.00	9807.00	12678.23	359.98	61.61	26.28	52.55	512.16	567.00	10.34	
13500.00	9807.00	12778.23	359.98	63.33	26.89	53.78	510.96	567.00	10.12	
13600.00	9807.00	12878.23	359.98	65.05	27.51	55.02	509.75	567.00	9.90	
13700.00	9807.00	12978.23	359.98	66.79	28.13	56.27	508.49	567.00	9.69	
13800.00	9807.00	13078.23	359.98	68.52	28.77	57.53	507.23	567.00	9.49	
13900.00	9807.00	13178.23	359.98	70.26	29.40	58.80	505.95	567.00	9.29	
14000.00	9807.00	13278.23	359.98	72.01	30.04	60.08	504.67	567.00	9.10	
14100.00	9807.00	13378.23	359.98	73.76	30.68	61.37	503.38	567.00	8.91	
14200.00	9807.00	13478.23	359.98	75.51	31.33	62.67	502.09	567.00	8.74	
14300.00	9807.00	13578.23	359.98	77.27	31.98	63.97	500.79	567.00	8.56	
14400.00	9807.00	13678.23	359.98	79.03	32.64	65.28	499.48	567.00	8.40	
14500.00	9807.00	13778.23	359.98	80.79	33.30	66.60	498.17	567.00	8.24	
14600.00	9807.00	13878.23	359.99	82.56	33.96	67.92	496.85	567.00	8.08	
14700.00	9807.00	13978.23	359.99	84.32	34.62	69.25	495.53	567.00	7.93	
14800.00	9807.00	14078.23	359.99	86.09	35.29	70.58	494.20	567.00	7.79	
14900.00	9807.00	14178.23	359.99	87.87	35.96	71.92	492.86	567.00	7.65	
15000.00	9807.00	14278.23	359.99	89.64	36.63	73.27	491.52	567.00	7.51	
15100.00	9807.00	14378.23	359.99	91.42	37.31	74.61	490.18	567.00	7.38	
15200.00	9807.00	14478.23	359.99	93.20	37.98	75.97	488.83	567.00	7.25	
15300.00	9807.00	14578.23	359.99	94.98	38.66	77.33	487.48	567.00	7.13	
15400.00	9807.00	14678.23	359.99	96.76	39.34	78.69	486.12	567.00	7.01	
15500.00	9807.00	14778.23	359.99	98.55	40.03	80.05	484.76	567.00	6.89	
15600.00	9807.00	14878.23	359.99	100.33	40.71	81.42	483.40	567.00	6.78	
15700.00	9807.00	14978.23	359.99	102.12	41.40	82.79	482.03	567.00	6.67	
15800.00	9807.00	15078.23	359.99	103.91	42.08	84.17	480.66	567.00	6.57	
15900.00	9807.00	15178.23	359.99	105.70	42.77	85.55	479.29	567.00	6.46	
16000.00	9807.00	15278.23	359.99	107.49	43.46	86.93	477.91	567.00	6.36	
16100.00	9807.00	15378.23	359.99	109.28	44.16	88.31	476.53	567.00	6.27	
16200.00	9807.00	15478.23	359.99	111.08	44.85	89.70	475.15	567.00	6.17	
16300.00	9807.00	15578.23	359.99	112.87	45.54	91.09	473.77	567.00	6.08	
16400.00	9807.00	15678.23	359.99	114.67	46.24	92.48	472.38	567.00	5.99	
16500.00	9807.00	15778.23	359.99	116.46	46.94	93.87	470.99	567.00	5.91	
16600.00	9807.00	15878.23	359.99	118.26	47.63	95.27	469.60	567.00	5.82	
16700.00	9807.00	15978.23	359.99	120.06	48.33	96.67	468.21	567.00	5.74	
16800.00	9807.00	16078.23	359.99	121.86	49.03	98.07	466.81	567.00	5.66	
16900.00	9807.00	16178.23	360.00	123.66	49.73	99.47	465.41	567.00	5.58	
17000.00	9807.00	16278.23	360.00	125.46	50.44	100.87	464.01	567.00	5.51	
17100.00	9807.00	16378.23	360.00	127.26	51.14	102.28	462.61	567.00	5.43	
17200.00	9807.00	16478.23	360.00	129.06	51.84	103.68	461.21	567.00	5.36	
17300.00	9807.00	16578.23	360.00	130.87	52.55	105.09	459.80	567.00	5.29	
17400.00	9807.00	16678.23	360.00	132.67	53.25	106.50	458.40	567.00	5.22	
17500.00	9807.00	16778.23	360.00	134.48	53.96	107.92	456.99	567.00	5.15	
17600.00	9807.00	16878.23	360.00	136.28	54.66	109.33	455.58	567.00	5.09	
17700.00	9807.00	16978.23	360.00	138.09	55.37	110.74	454.17	567.00	5.03	
17800.00	9807.00	17078.23	360.00	139.89	56.08	112.16	452.75	567.00	4.96	
17900.00	9807.00	17178.23	360.00	141.70	56.79	113.58	451.34	567.00	4.90	
18000.00	9807.00	17278.23	360.00	143.51	57.50	115.00	449.92	567.00	4.84	
18075.58	9807.00	17353.81	0.00	144.87	58.03	116.07	448.85	567.00	4.80	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	11968.19	11973.07	5.48	26.40	26.08	41.46	12132.84	12154.37	564.49	
100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	12032.12	12055.91	506.65	
200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11933.68	11957.48	502.30	
300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11835.26	11859.08	497.82	
400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11736.86	11760.70	493.23	
500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11638.48	11662.35	488.55	
600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11540.13	11564.03	483.70	
700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11441.79	11465.74	478.71	
800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11343.48	11367.48	473.64	
900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11245.20	11269.25	468.52	
1000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11146.94	11171.05	463.35	
1100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	11048.71	11072.88	458.14	
1200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10950.51	10974.75	452.90	
1300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10852.35	10876.64	447.62	
1400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10754.21	10778.58	442.33	
1500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10656.11	10680.55	437.03	
1600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10558.04	10582.56	431.72	
1700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10460.01	10484.60	426.40	
1800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10362.02	10386.68	421.08	
1900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10264.06	10288.81	415.70	
2000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10166.13	10190.97	410.29	
2100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	10068.25	10093.18	404.90	
2200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9970.41	9995.43	399.40	
2300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9872.60	9897.73	393.89	
2400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9774.84	9800.07	388.39	
2500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9677.12	9702.46	382.92	
2600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9579.45	9604.90	377.47	
2700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9481.84	9507.39	372.04	
2800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9384.27	9409.93	366.64	
2900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9286.75	9312.53	361.26	
3000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9189.29	9215.18	355.91	
3100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	9091.88	9117.89	350.59	
3200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8994.53	9020.66	345.30	
3300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8897.24	8923.49	340.03	
3400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8800.02	8826.38	334.79	
3500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8702.85	8729.34	329.58	
3600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8605.75	8632.36	324.40	
3700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8508.72	8535.46	319.25	
3800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8411.77	8438.63	314.14	
3900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8314.88	8341.87	309.05	
4000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8218.07	8245.19	303.99	
4100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8121.33	8148.59	298.90	
4200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	8024.67	8052.07	293.84	
4300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7928.10	7955.64	288.81	
4400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7831.61	7859.30	283.81	
4500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7735.21	7763.05	278.85	
4600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7638.91	7666.90	273.92	
4700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7542.70	7570.85	269.02	
4800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7446.60	7474.90	264.16	
4900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7350.60	7379.05	259.34	
5000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7254.71	7283.32	254.55	
5100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7158.93	7187.71	249.79	
5200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	7063.28	7092.21	245.08	
5300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6967.74	6996.85	240.40	
5400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6872.34	6901.61	235.75	
5500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6777.06	6806.51	231.15	
5600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6681.93	6711.55	226.58	
5700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6586.95	6616.75	222.05	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
5800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6492.11	6522.09	217.56	
5900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6397.44	6427.60	213.11	
6000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6302.93	6333.28	208.71	
6100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6208.60	6239.13	204.34	
6200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6114.45	6145.17	200.02	
6300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	6020.48	6051.40	195.68	
6400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5926.69	5957.84	191.28	
6500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5833.12	5864.49	186.94	
6600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5739.76	5771.36	182.64	
6700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5646.63	5678.46	178.38	
6800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5553.73	5585.81	174.11	
6900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5461.09	5493.42	169.90	
7000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5368.71	5401.30	165.73	
7100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5276.61	5309.46	161.62	
7200.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5184.81	5217.93	157.57	
7300.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5093.32	5126.71	153.57	
7400.00	11968.19	11973.07	5.48	26.40	26.08	41.46	5002.16	5035.82	149.62	
7500.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4911.35	4945.28	145.73	
7600.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4820.91	4855.12	141.90	
7700.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4730.85	4765.35	138.13	
7800.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4641.21	4675.99	134.41	
7900.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4552.00	4587.08	130.76	
8000.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4463.25	4498.63	127.17	
8100.00	11968.19	11973.07	5.48	26.40	26.08	41.46	4375.00	4410.67	123.64	
8200.00	12513.00	14422.73	89.58	46.24	26.78	53.57	4274.47	4313.07	111.73	
8300.00	12513.00	14422.73	89.58	46.24	26.78	53.57	4174.27	4213.07	108.58	
8400.00	12513.00	14422.73	89.58	46.24	26.78	53.57	4074.07	4113.08	105.45	
8500.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3973.87	4013.08	102.35	
8600.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3873.66	3913.08	99.27	
8700.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3773.45	3813.08	96.22	
8800.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3673.24	3713.08	93.19	
8900.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3573.03	3613.09	90.19	
9000.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3472.81	3513.09	87.22	
9100.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3372.59	3413.09	84.27	
9200.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3272.37	3313.09	81.35	
9300.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3172.15	3213.10	78.46	
9400.00	12513.00	14422.73	89.58	46.24	26.78	53.57	3071.92	3113.10	75.59	
9500.00	12513.00	14422.73	89.58	46.24	26.78	53.57	2971.69	3013.10	72.75	
9600.00	12513.00	14422.73	89.58	46.24	26.78	53.57	2871.45	2913.11	69.94	
9700.00	12513.00	14422.73	89.58	46.24	26.78	53.57	2771.22	2813.11	67.15	
9800.00	12513.00	14422.73	89.58	46.24	26.78	53.57	2670.98	2713.12	64.39	
9900.00	12513.00	14424.95	185.80	46.27	26.79	53.59	2570.80	2613.19	61.64	
10000.00	12513.00	14443.48	181.75	46.55	26.87	53.75	2472.37	2515.09	58.88	
10100.00	12513.00	14480.22	180.87	47.09	27.02	54.05	2379.26	2422.35	56.22	
10200.00	12513.00	14534.00	180.49	47.90	27.25	54.51	2294.88	2338.31	53.83	
10300.00	12513.00	14602.83	180.28	48.93	27.54	55.10	2222.16	2266.08	51.60	
10400.00	12513.00	14684.21	180.16	50.18	27.90	55.82	2163.89	2208.30	49.73	
10500.00	12513.00	14775.12	180.08	51.58	28.31	56.64	2122.17	2167.08	48.25	
10600.00	12512.83	14877.08	180.04	53.17	28.79	57.58	2098.24	2143.79	47.07	
10700.00	12512.60	14976.84	180.04	54.75	29.26	58.52	2092.56	2138.61	46.44	
10800.00	12512.38	15076.84	180.04	56.34	29.75	59.49	2091.60	2138.39	45.71	
10900.00	12512.15	15176.84	180.04	57.95	30.24	60.48	2090.68	2138.16	45.03	
11000.00	12511.93	15276.84	180.04	59.57	30.74	61.48	2089.76	2137.93	44.38	
11100.00	12511.70	15376.84	180.04	61.20	31.26	62.51	2088.83	2137.71	43.73	
11200.00	12511.48	15476.84	180.03	62.84	31.78	63.55	2087.81	2137.48	43.03	
11300.00	12511.25	15576.84	180.03	64.49	32.31	64.61	2086.72	2137.26	42.29	
11400.00	12511.03	15676.84	180.03	66.15	32.84	65.68	2085.61	2137.03	41.56	
11500.00	12510.80	15776.84	180.03	67.82	33.39	66.77	2084.48	2136.81	40.84	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
11600.00	12510.58	15876.83	180.03	69.50	33.94	67.88	2083.34	2136.58	40.13	
11700.00	12510.35	15976.83	180.03	71.19	34.50	68.99	2082.18	2136.36	39.43	
11800.00	12510.13	16076.83	180.03	72.88	35.06	70.12	2080.96	2136.13	38.72	
11900.00	12509.90	16176.83	180.03	74.58	35.64	71.27	2079.72	2135.91	38.01	
12000.00	12509.68	16276.83	180.03	76.28	36.21	72.42	2078.45	2135.68	37.32	
12100.00	12509.45	16376.83	180.03	77.99	36.80	73.58	2077.18	2135.46	36.65	
12200.00	12509.23	16476.83	180.03	79.70	37.38	74.76	2075.92	2135.23	36.00	
12300.00	12509.00	16576.83	180.03	81.42	37.98	75.95	2074.64	2135.01	35.37	
12400.00	12508.78	16676.83	180.03	83.15	38.57	77.14	2073.32	2134.78	34.73	
12500.00	12508.55	16776.83	180.03	84.88	39.18	78.35	2072.02	2134.56	34.13	
12600.00	12508.32	16876.83	180.03	86.61	39.78	79.56	2070.61	2134.33	33.49	
12700.00	12508.10	16976.83	180.03	88.35	40.39	80.78	2069.27	2134.11	32.92	
12800.00	12507.87	17076.83	180.03	90.09	41.01	82.01	2067.87	2133.88	32.33	
12900.00	12507.65	17176.83	180.03	91.83	41.63	83.25	2066.55	2133.65	31.80	
13000.00	12507.42	17276.83	180.03	93.58	42.25	84.49	2065.06	2133.43	31.20	
13100.00	12507.20	17376.83	180.03	95.33	42.88	85.75	2063.61	2133.20	30.65	
13200.00	12506.97	17476.83	180.02	97.08	43.51	87.00	2062.18	2132.98	30.13	
13300.00	12506.75	17576.83	180.02	98.84	44.14	88.27	2060.74	2132.75	29.62	
13400.00	12506.52	17676.83	180.02	100.59	44.77	89.54	2059.30	2132.53	29.12	
13500.00	12506.30	17776.83	180.02	102.35	45.41	90.82	2057.85	2132.30	28.64	
13600.00	12506.07	17876.83	180.02	104.12	46.06	92.10	2056.38	2132.08	28.17	
13700.00	12505.85	17976.83	180.02	105.88	46.70	93.39	2054.87	2131.85	27.69	
13800.00	12505.62	18076.83	180.02	107.65	47.35	94.68	2053.36	2131.63	27.23	
13900.00	12505.40	18176.83	180.02	109.42	48.00	95.98	2051.84	2131.40	26.79	
14000.00	12505.17	18276.83	180.02	111.19	48.65	97.28	2050.32	2131.18	26.36	
14100.00	12504.95	18376.83	180.02	112.96	49.30	98.59	2048.79	2130.95	25.94	
14200.00	12504.72	18476.83	180.02	114.74	49.96	99.90	2047.26	2130.73	25.53	
14300.00	12504.50	18576.83	180.02	116.51	50.62	101.22	2045.73	2130.50	25.13	
14400.00	12504.27	18676.83	180.02	118.29	51.28	102.54	2044.19	2130.28	24.74	
14500.00	12504.05	18776.83	180.02	120.07	51.94	103.87	2042.64	2130.05	24.37	
14600.00	12503.82	18876.83	180.02	121.85	52.60	105.19	2041.09	2129.83	24.00	
14700.00	12503.59	18976.83	180.02	123.63	53.27	106.53	2039.54	2129.60	23.65	
14800.00	12503.37	19076.83	180.02	125.41	53.94	107.86	2037.98	2129.37	23.30	
14900.00	12503.14	19176.83	180.02	127.20	54.61	109.20	2036.42	2129.15	22.96	
15000.00	12502.92	19276.83	180.02	128.99	55.28	110.54	2034.85	2128.92	22.63	
15100.00	12502.69	19376.83	180.02	130.77	55.95	111.89	2033.28	2128.70	22.31	
15200.00	12502.47	19476.83	180.01	132.56	56.62	113.23	2031.71	2128.47	22.00	
15300.00	12502.24	19576.83	180.01	134.35	57.30	114.59	2030.13	2128.25	21.69	
15400.00	12502.02	19676.83	180.01	136.14	57.98	115.94	2028.55	2128.02	21.39	
15500.00	12501.79	19776.83	180.01	137.93	58.65	117.30	2026.97	2127.80	21.10	
15600.00	12501.57	19876.82	180.01	139.72	59.33	118.66	2025.38	2127.57	20.82	
15700.00	12501.34	19976.82	180.01	141.51	60.01	120.02	2023.80	2127.35	20.54	
15800.00	12501.12	20076.82	180.01	143.31	60.70	121.38	2022.20	2127.12	20.27	
15900.00	12500.89	20176.82	180.01	145.10	61.38	122.75	2020.61	2126.90	20.01	
16000.00	12500.67	20276.82	180.01	146.90	62.06	124.12	2019.01	2126.67	19.75	
16100.00	12500.44	20376.82	180.01	148.69	62.75	125.49	2017.41	2126.45	19.50	
16200.00	12500.22	20476.82	180.01	150.49	63.44	126.86	2015.81	2126.22	19.26	
16300.00	12499.99	20576.82	180.01	152.29	64.12	128.24	2014.21	2126.00	19.02	
16400.00	12499.77	20676.82	180.01	154.09	64.81	129.61	2012.60	2125.77	18.78	
16500.00	12499.54	20776.82	180.01	155.89	65.50	130.99	2010.99	2125.55	18.56	
16600.00	12499.31	20876.82	180.01	157.69	66.19	132.37	2009.38	2125.32	18.33	
16700.00	12499.09	20976.82	180.01	159.49	66.88	133.76	2007.77	2125.09	18.11	
16800.00	12498.86	21076.82	180.01	161.29	67.58	135.14	2006.16	2124.87	17.90	
16900.00	12498.64	21176.82	180.01	163.09	68.27	136.53	2004.54	2124.64	17.69	
17000.00	12498.41	21276.82	180.01	164.89	68.96	137.92	2002.92	2124.42	17.49	
17100.00	12498.19	21376.82	180.00	166.69	69.66	139.31	2001.30	2124.19	17.29	
17200.00	12497.96	21476.82	180.00	168.50	70.36	140.70	1999.68	2123.97	17.09	
17300.00	12497.74	21576.82	180.00	170.30	71.05	142.09	1998.06	2123.74	16.90	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
17400.00	12497.51	21676.82	180.00	172.10	71.75	143.49	1996.44	2123.52	16.71	
17500.00	12497.29	21776.82	180.00	173.91	72.45	144.88	1994.81	2123.29	16.53	
17600.00	12497.06	21876.82	180.00	175.71	73.15	146.28	1993.18	2123.07	16.35	
17700.00	12496.84	21976.82	180.00	177.52	73.84	147.68	1991.55	2122.84	16.17	
17800.00	12496.61	22076.82	180.00	179.33	74.54	149.08	1989.92	2122.62	16.00	
17900.00	12496.39	22176.82	180.00	181.13	75.24	150.48	1988.29	2122.39	15.83	
18000.00	12496.16	22276.82	180.00	182.94	75.95	151.88	1986.66	2122.17	15.66	
18075.58	12496.00	22347.61	180.00	184.22	76.44	152.87	1985.48	2122.00	15.54	

Secondary Well: Fighting Okra 18-19 Fed 71H Pilot (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	4.00	0.00	359.58	0.00	0.00	0.00	2108.97	2109.61	3298.51	
100.00	100.00	96.00	359.58	0.11	0.11	4.42	2108.75	2109.61	2465.12	
200.00	200.00	196.00	359.58	0.33	0.33	4.62	2108.31	2109.61	1621.82	
300.00	300.00	296.00	359.58	0.55	0.55	4.65	2107.86	2109.61	1205.27	
400.00	400.00	396.00	359.58	0.78	0.78	4.69	2107.41	2109.61	958.96	
500.00	500.00	496.00	359.58	1.00	1.00	4.75	2106.96	2109.61	796.25	
600.00	600.00	596.00	359.58	1.23	1.23	4.81	2106.51	2109.61	680.74	
700.00	700.00	696.00	359.58	1.45	1.45	4.88	2106.06	2109.61	594.50	
800.00	800.00	796.00	359.58	1.68	1.68	4.97	2105.61	2109.61	527.65	
900.00	900.00	896.00	359.58	1.90	1.90	5.06	2105.16	2109.61	474.32	
1000.00	1000.00	996.00	359.58	2.13	2.13	5.16	2104.71	2109.61	430.77	
1100.00	1100.00	1096.00	359.58	2.35	2.35	5.26	2104.26	2109.61	394.56	
1200.00	1200.00	1196.00	359.58	2.58	2.58	5.38	2103.81	2109.61	363.95	
1300.00	1300.00	1296.00	359.58	2.80	2.80	5.50	2103.36	2109.61	337.76	
1400.00	1400.00	1396.00	359.58	3.03	3.03	5.62	2102.91	2109.61	315.08	
1500.00	1500.00	1496.00	359.58	3.25	3.25	5.75	2102.46	2109.61	295.25	
1600.00	1600.00	1596.00	359.58	3.48	3.48	5.89	2102.01	2109.61	277.78	
1700.00	1700.00	1696.00	359.58	3.70	3.70	6.02	2101.56	2109.61	262.25	
1800.00	1800.00	1796.00	359.58	3.92	3.92	6.17	2101.11	2109.61	248.37	
1900.00	1900.00	1896.00	359.58	4.15	4.15	6.31	2100.66	2109.61	235.89	
2000.00	2000.00	1996.00	359.58	4.37	4.37	6.47	2100.22	2109.61	224.60	
2100.00	2100.00	2096.00	359.58	4.60	4.60	6.62	2099.77	2109.61	214.34	
2200.00	2200.00	2196.00	359.58	4.82	4.82	6.78	2099.32	2109.61	204.98	
2300.00	2300.00	2296.00	359.58	5.05	5.05	6.94	2098.87	2109.61	196.40	
2400.00	2400.00	2396.00	359.58	5.27	5.27	7.10	2098.42	2109.61	188.51	
2500.00	2500.00	2496.00	359.58	5.50	5.50	7.27	2097.97	2109.61	181.23	
2600.00	2600.00	2596.00	359.58	5.72	5.72	7.44	2097.52	2109.61	174.49	
2700.00	2700.00	2696.00	359.58	5.95	5.95	7.61	2097.07	2109.61	168.23	
2800.00	2800.00	2796.00	359.58	6.17	6.17	7.78	2096.62	2109.61	162.41	
2900.00	2900.00	2896.00	359.58	6.40	6.40	7.96	2096.17	2109.61	156.98	
3000.00	3000.00	2996.00	359.58	6.62	6.62	8.14	2095.72	2109.61	151.90	
3100.00	3100.00	3096.00	359.58	6.85	6.85	8.32	2095.27	2109.61	147.13	
3200.00	3200.00	3196.00	359.58	7.07	7.07	8.51	2094.82	2109.61	142.66	
3300.00	3300.00	3296.00	359.58	7.30	7.30	8.70	2094.37	2109.61	138.45	
3400.00	3400.00	3396.00	359.58	7.52	7.52	8.89	2093.92	2109.61	134.48	
3500.00	3500.00	3496.00	359.58	7.75	7.75	9.08	2093.47	2109.61	130.74	
3600.00	3600.00	3596.00	359.58	7.97	7.97	9.28	2093.02	2109.61	127.19	
3700.00	3700.00	3696.00	359.58	8.20	8.20	9.47	2092.57	2109.61	123.84	
3800.00	3800.00	3796.00	359.58	8.42	8.42	9.68	2092.12	2109.61	120.65	
3900.00	3900.00	3896.00	359.58	8.65	8.65	9.88	2091.67	2109.61	117.63	
4000.00	4000.00	3996.00	359.58	8.87	8.87	10.09	2091.22	2109.61	114.75	
4100.00	4100.00	4096.00	359.58	9.09	9.09	10.30	2090.77	2109.61	112.01	
4200.00	4200.00	4196.00	359.58	9.32	9.32	10.51	2090.32	2109.61	109.40	
4300.00	4300.00	4296.00	359.58	9.54	9.54	10.73	2089.88	2109.61	106.91	
4400.00	4400.00	4396.00	359.58	9.77	9.77	10.95	2089.43	2109.61	104.53	
4500.00	4500.00	4496.00	359.58	9.99	9.99	11.17	2088.98	2109.61	102.25	
4600.00	4600.00	4596.00	359.58	10.22	10.22	11.40	2088.53	2109.61	100.07	

SD Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Pilot (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
4700.00	4700.00	4696.00	359.58	10.44	10.44	11.63	2088.08	2109.61	97.98	
4800.00	4800.00	4796.00	359.58	10.67	10.67	11.86	2087.63	2109.61	95.98	
4900.00	4900.00	4896.00	359.58	10.89	10.89	12.10	2087.18	2109.61	94.05	
5000.00	5000.00	4996.00	359.58	11.12	11.12	12.34	2086.73	2109.61	92.20	
5100.00	5100.00	5096.00	359.58	11.34	11.34	12.59	2086.28	2109.61	90.43	
5200.00	5200.00	5196.00	359.58	11.57	11.57	12.84	2085.83	2109.61	88.72	
5300.00	5300.00	5296.00	359.58	11.79	11.79	13.09	2085.38	2109.61	87.07	
5400.00	5400.00	5396.00	359.58	12.02	12.02	13.35	2084.93	2109.61	85.49	
5500.00	5500.00	5496.00	359.58	12.24	12.24	13.61	2084.48	2109.61	83.96	
5600.00	5600.00	5596.00	359.58	12.47	12.47	13.87	2084.03	2109.61	82.48	
5700.00	5700.00	5696.00	359.58	12.69	12.69	14.14	2083.58	2109.61	81.06	
5800.00	5800.00	5796.00	359.58	12.92	12.92	14.42	2083.13	2109.61	79.68	
5900.00	5900.00	5896.00	359.58	13.14	13.14	14.69	2082.68	2109.61	78.35	
6000.00	6000.00	5996.00	359.58	13.37	13.37	14.98	2082.23	2109.61	77.06	
6100.00	6100.00	6096.00	359.58	13.59	13.59	15.26	2081.78	2109.61	75.82	
6200.00	6200.00	6196.00	359.58	13.82	13.82	15.55	2081.33	2109.61	74.61	
6300.00	6300.00	6296.00	359.58	14.04	14.04	15.85	2080.88	2109.61	73.44	
6400.00	6400.00	6396.00	359.58	14.26	14.26	16.15	2080.43	2109.61	72.31	
6500.00	6500.00	6496.00	359.58	14.49	14.49	16.46	2079.98	2109.61	71.22	
6600.00	6600.00	6596.00	359.58	14.71	14.71	16.77	2079.54	2109.61	70.15	
6700.00	6700.00	6696.00	359.58	14.94	14.94	17.08	2079.09	2109.61	69.12	
6800.00	6800.00	6796.00	359.58	15.16	15.16	17.40	2078.64	2109.61	68.11	
6900.00	6900.25	6896.25	359.60	15.38	15.37	17.73	2078.23	2109.60	67.25	
7000.00	7000.42	6996.46	359.67	15.57	15.57	18.06	2077.80	2109.59	66.37	
7100.00	7100.41	7096.55	359.78	15.77	15.75	18.39	2077.35	2109.57	65.49	
7200.00	7200.13	7196.45	359.95	15.97	15.94	18.73	2076.91	2109.55	64.63	
7300.00	7299.49	7296.11	0.16	16.18	16.12	19.07	2076.48	2109.56	63.78	
7400.00	7398.73	7395.73	0.39	16.38	16.32	19.42	2076.09	2109.60	62.95	
7500.00	7497.97	7495.35	0.63	16.59	16.52	19.77	2075.73	2109.68	62.14	
7600.00	7597.21	7594.97	0.87	16.80	16.72	20.13	2075.41	2109.79	61.36	
7700.00	7696.45	7694.59	1.10	17.01	16.92	20.49	2075.12	2109.94	60.59	
7800.00	7795.69	7794.21	1.34	17.22	17.12	20.86	2074.87	2110.13	59.84	
7900.00	7894.93	7893.83	1.57	17.44	17.32	21.23	2074.65	2110.35	59.11	
8000.00	7994.17	7993.45	1.81	17.65	17.52	21.61	2074.47	2110.61	58.39	
8100.00	8093.41	8093.07	2.04	17.87	17.73	22.00	2074.32	2110.90	57.70	
8200.00	8192.65	8192.69	2.28	18.09	17.93	22.39	2074.20	2111.23	57.02	
8300.00	8291.89	8292.30	2.51	18.31	18.14	22.78	2074.13	2111.60	56.35	
8400.00	8391.13	8391.92	2.75	18.53	18.34	23.18	2074.09	2112.00	55.70	
8500.00	8490.38	8491.54	2.99	18.76	18.55	23.59	2074.08	2112.44	55.07	
8600.00	8589.62	8591.16	3.22	18.98	18.75	24.00	2074.11	2112.91	54.45	
8700.00	8688.86	8690.78	3.46	19.21	18.96	24.42	2074.17	2113.42	53.84	
8800.00	8788.10	8790.40	3.69	19.43	19.17	24.84	2074.27	2113.97	53.25	
8900.00	8887.34	8890.02	3.93	19.66	19.38	25.27	2074.40	2114.55	52.67	
9000.00	8986.58	8989.64	4.16	19.89	19.58	25.71	2074.57	2115.16	52.11	
9100.00	9085.82	9089.26	4.39	20.12	19.79	26.15	2074.78	2115.82	51.56	
9200.00	9185.06	9188.88	4.63	20.35	20.00	26.59	2075.02	2116.51	51.02	
9300.00	9284.30	9288.50	4.86	20.59	20.21	27.05	2075.30	2117.23	50.49	
9400.00	9386.58	9391.12	5.08	20.81	20.44	27.52	2075.55	2117.93	49.98	
9500.00	9489.63	9494.37	5.26	21.02	20.65	28.00	2075.68	2118.49	49.48	
9600.00	9592.99	9597.82	5.38	21.23	20.86	28.49	2075.66	2118.90	49.00	
9700.00	9696.53	9701.41	5.45	21.43	21.06	28.98	2075.48	2119.15	48.53	
9800.00	9800.00	9804.88	5.48	21.63	21.27	29.49	2075.14	2119.23	48.07	
9900.00	9899.93	9904.81	194.52	21.84	21.47	29.98	2076.89	2121.40	47.66	
10000.00	9998.00	10002.88	194.91	22.06	21.69	30.46	2094.61	2139.55	47.61	
10100.00	10090.71	10095.59	192.99	22.26	21.90	30.93	2130.37	2175.64	48.06	
10200.00	10174.72	10179.60	191.70	22.44	22.08	31.35	2183.07	2228.74	48.81	
10300.00	10246.94	10251.82	191.72	22.60	22.25	31.72	2251.05	2296.95	50.05	
10400.00	10304.71	10309.59	193.03	22.73	22.37	32.02	2331.55	2377.75	51.47	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Pilot (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
10500.00	10345.92	10350.80	196.93	22.82	22.47	32.24	2421.82	2468.19	53.23	
10600.00	10369.05	10373.93	211.38	22.87	22.52	32.36	2518.46	2564.92	55.21	
10700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	2617.91	2664.39	57.32	
10800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	2717.65	2764.13	59.47	
10900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	2817.41	2863.89	61.61	
11000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	2917.18	2963.67	63.74	
11100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3016.96	3063.46	65.87	
11200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3116.75	3163.27	68.01	
11300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3216.55	3263.08	70.13	
11400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3316.37	3362.91	72.26	
11500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3416.19	3462.75	74.39	
11600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3516.03	3562.59	76.51	
11700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3615.88	3662.45	78.65	
11800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3715.74	3762.31	80.79	
11900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3815.61	3862.18	82.94	
12000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	3915.43	3962.05	84.98	
12100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4015.25	4061.93	87.01	
12200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4115.10	4161.82	89.07	
12300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4215.03	4261.72	91.28	
12400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4314.82	4361.61	93.21	
12500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4414.69	4461.52	95.27	
12600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4514.56	4561.42	97.33	
12700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4614.40	4661.33	99.32	
12800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4714.31	4761.25	101.45	
12900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4814.19	4861.17	103.49	
13000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	4914.15	4961.09	105.70	
13100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5014.00	5061.01	107.65	
13200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5113.86	5160.94	109.63	
13300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5213.75	5260.87	111.65	
13400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5313.64	5360.80	113.68	
13500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5413.54	5460.74	115.71	
13600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5513.44	5560.67	117.74	
13700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5613.35	5660.61	119.76	
13800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5713.25	5760.56	121.78	
13900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5813.16	5860.50	123.80	
14000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	5913.07	5960.44	125.81	
14100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6012.98	6060.39	127.81	
14200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6112.89	6160.34	129.81	
14300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6212.80	6260.29	131.81	
14400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6312.71	6360.24	133.79	
14500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6412.62	6460.20	135.77	
14600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6512.53	6560.15	137.75	
14700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6612.44	6660.11	139.71	
14800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6712.35	6760.07	141.67	
14900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6812.26	6860.03	143.63	
15000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	6912.18	6959.99	145.57	
15100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7012.09	7059.95	147.52	
15200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7112.00	7159.91	149.45	
15300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7211.92	7259.87	151.38	
15400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7311.83	7359.84	153.30	
15500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7411.74	7459.80	155.21	
15600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7511.66	7559.77	157.12	
15700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7611.57	7659.74	159.02	
15800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7711.48	7759.71	160.92	
15900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7811.40	7859.67	162.80	
16000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	7911.31	7959.64	164.68	
16100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8011.23	8059.61	166.56	
16200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8111.14	8159.59	168.42	

5D Anti-Collision Report

Secondary Well: Fighting Okra 18-19 Fed 71H Pilot (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
16300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8211.05	8259.56	170.28	
16400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8310.97	8359.53	172.13	
16500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8410.88	8459.50	173.98	
16600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8510.79	8559.48	175.81	
16700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8610.70	8659.45	177.64	
16800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8710.62	8759.43	179.46	
16900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8810.53	8859.40	181.28	
17000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	8910.44	8959.38	183.08	
17100.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9010.35	9059.35	184.88	
17200.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9110.27	9159.33	186.68	
17300.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9210.18	9259.31	188.46	
17400.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9310.09	9359.29	190.24	
17500.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9410.00	9459.27	192.01	
17600.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9509.91	9559.25	193.77	
17700.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9609.82	9659.22	195.52	
17800.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9709.73	9759.20	197.27	
17900.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9809.64	9859.18	199.01	
18000.00	10374.00	10378.88	270.00	22.88	22.53	32.38	9909.55	9959.17	200.74	
18075.58	10374.00	10378.88	270.00	22.88	22.53	32.38	9985.06	10034.73	202.04	

**Weatherford**

Weatherford Drilling Services

GeoDec4 v2.4.0.0

Report Date: November 10, 2015
Job Number: _____
Customer: Devon Energy
Well Name: Fighting Okra 18-19 Fed 31H
API Number: _____
Rig Name: _____
Location: Lea Co, NM Nad83 NME
Block: _____
Engineer: _____

NAD83 / New Mexico East (ftUS)	NAD83 (1986)
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 2257	EPSG: 4269
North: 380827.97 US Survey Foot	Latitude: 32.044344 Degree
East: 794436.89 US Survey Foot	Longitude: -103.516471 Degree
Convergence: 0.43°	
Declination: 7.17°	
Total Correction: 6.74°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
Latitude = 32° 02' 39.64" N
Longitude = 103° 30' 59.30" W

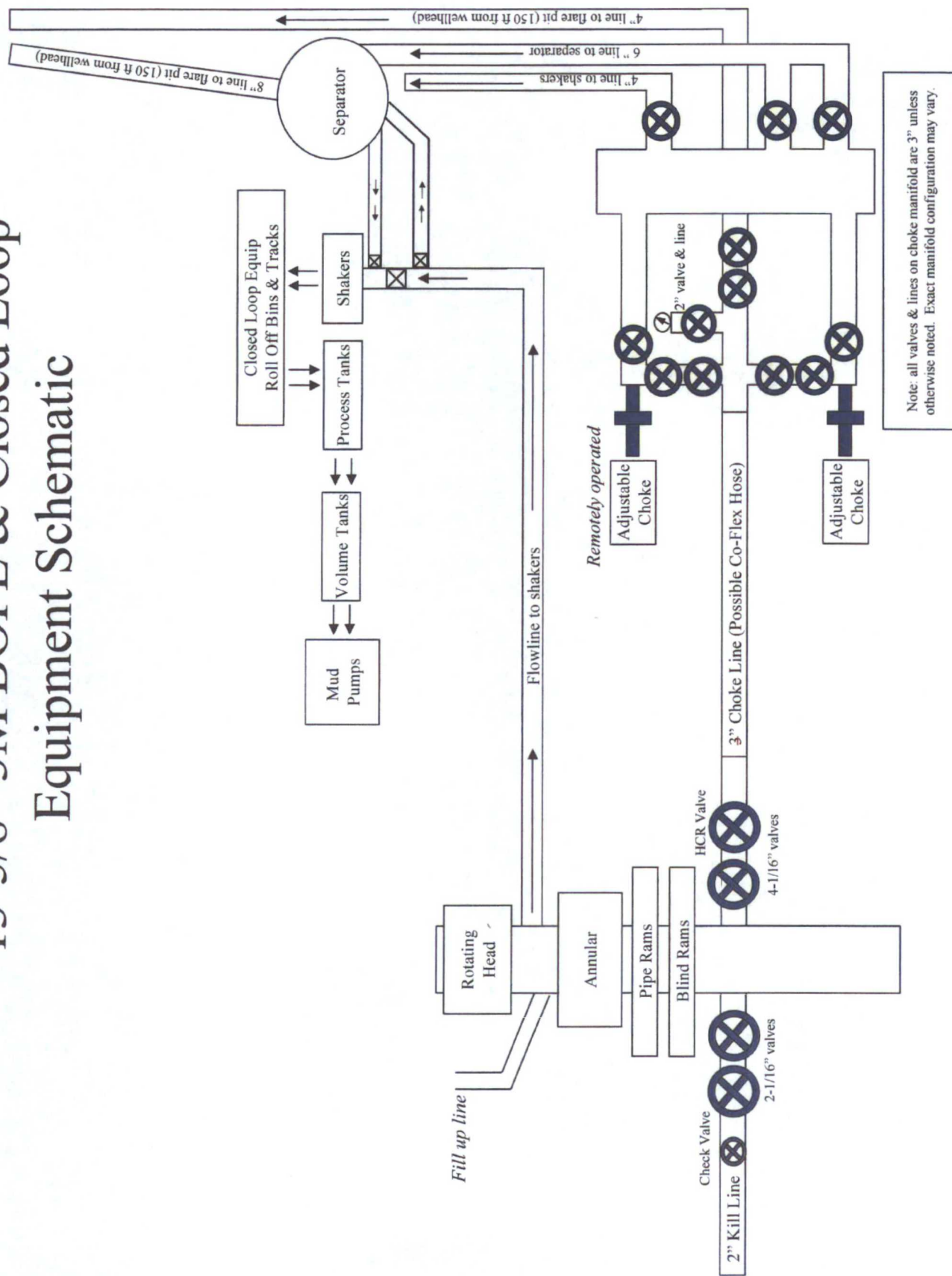
Magnetic Declination = 7.17 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6853
Local Field Strength = 48090 nT	Magnetic Vector X = 23873 nT
Magnetic Dip = 59.98 deg	Magnetic Vector Y = 3005 nT
Magnetic Model = bggm2015.bgs	Magnetic Vector Z = 41638 nT
Run Date = December 31, 2015	Magnetic Vector H = 24061 nT

Signed: _____ Date: _____

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Warning: This information is controlled, and any printed version is deemed as uncontrolled unless suitably endorsed by a controlling authority or accompanied by a controlled table of contents in order to ensure adequate revision control.

13-5/8" 3M BOPE & Closed Loop Equipment Schematic





Fluid Technology

ContiTech Beattie Corp.
Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

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

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

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

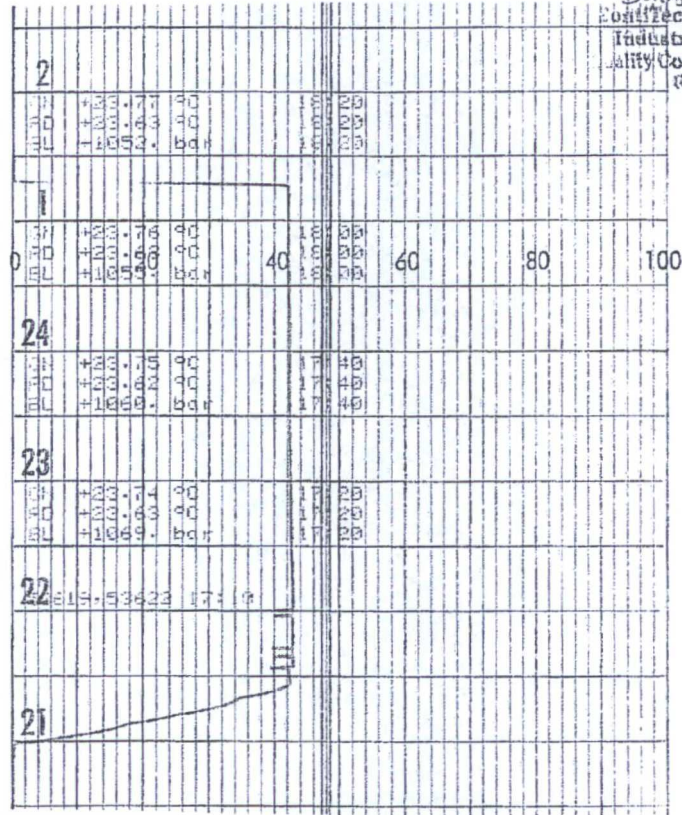
Best regards,

Robin Hodgson
Sales Manager
ContiTech Beattie Corp

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

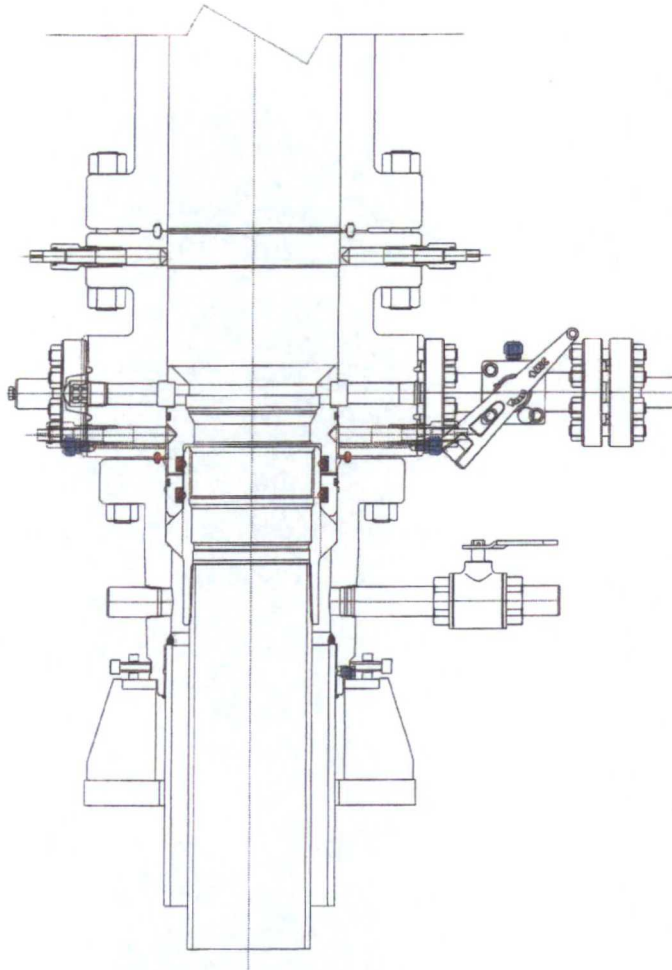


HARTMANN &



SAC 38
ContiTech Rubber
Industrial Kft.
Quality Control Dept.
(2)

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 1713	
PURCHASER: ContiTech Beattie Co.				P.O. N°: 002808	
CONTITECH ORDER N°: 426127		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 53622		NOMINAL / ACTUAL LENGTH: 10,67 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature See attachment. (1 page) ↑ 10 mm = 10 Min. → 10 mm = 25 MPa					
COUPLINGS Type	Serial N°		Quality		Heat N°
3" coupling with 4 1/16" Flange end	5503 2029		AISI 4130 AISI 4130		N1590P 27566
INFOCHIP INSTALLED			API Spec 16 C Temperature rate:"B"		
All metal parts are flawless			Hose conform to NACE MR 01-75		
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.					
COUNTRY OF ORIGIN HUNGARY/EU					
Date:	Inspector		Quality Control		
25. August. 2008			ContiTech Rubber Industrial Kft. Quality Control Dept.  		



PRIMARY MODE

DEVON ENERGY

ARTESIA

S.E.N.M

13 3/8 X 9 5/8

QUOTE LAYOUT
F18648
REF: DM100161737
DM100151315

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REVISIONS

A	05-08-13
B	1-22-14
C	5-13-14

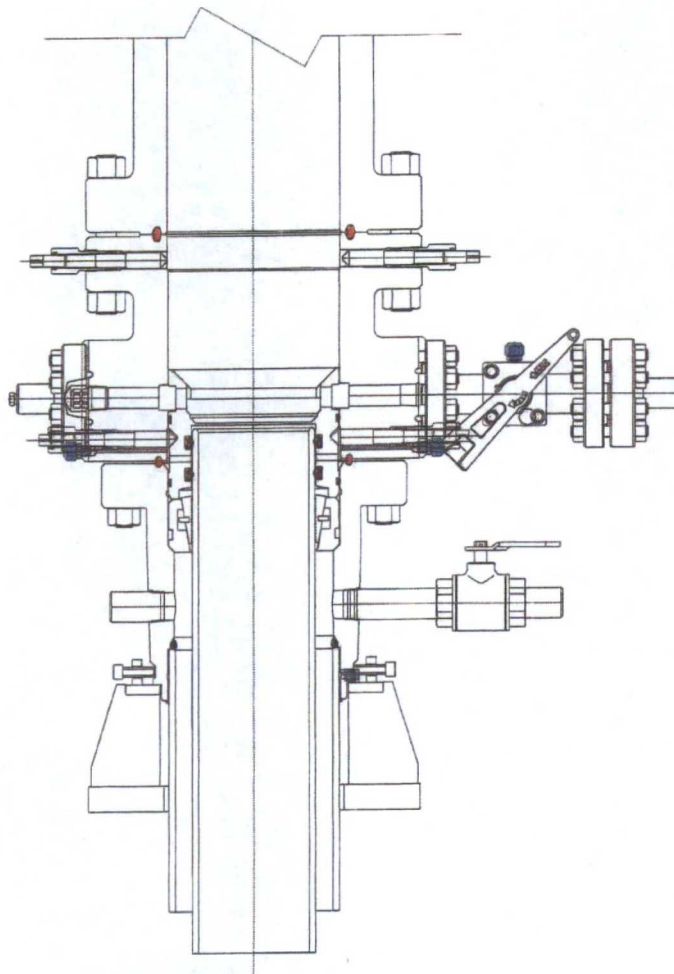
DESCRIPTION

SURFACE WELLHEAD LAYOUT
UNIHEAD, UH-1, SOW,
DEVON ENERGY, ODESSA

DRAWN BY	K. VU	05-08-13
DRAFTING REVIEW	Z. MARQUEZ	05-08-13
DESIGN REVIEW	K. TAHA	05-08-13
APPROVED BY	R. HAMILTON	05-08-13

FMC Technologies

DRAWING NUMBER
DM100161771-2A



CONTINGENCY MODE

DEVON ENERGY
ARTESIA
S.E.N.M
13 3/8 X 9 5/8

QUOTE LAYOUT
F18648
REF: DM100161737
DM100151315

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	A	05-08-13	K. VU	05-08-13	
	B	1-22-14	Z. MARQUEZ	05-08-13	
	C	5-13-14	K. TAHA	05-08-13	
			APPROVED BY		
			R. HAMILTON	05-08-13	

SURFACE WELLHEAD LAYOUT
UNIHEAD, UH-1, SOW,
DEVON ENERGY, ODESSA