

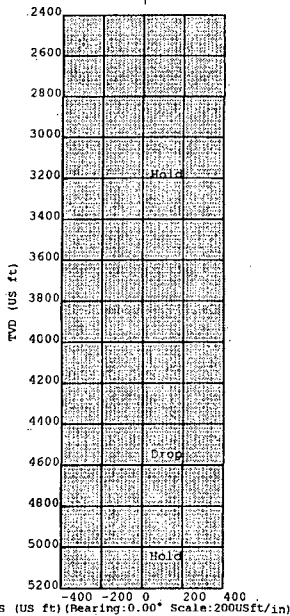
3002542754

devon

Bell Lake 19 State 7H
Lea Co, NM



KB:3367
GL:3342



Plan Data for Bell Lake 19 State 7H

Plan Point Information:											
Dogleg Severity Unit: "/>100.00ft											
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS		
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)		
0.00	0.00	0.00	0.00	0.00	-0.00	435973.43	766743.97	0.00	0.00		
2700.00	0.00	0.00	2700.00	0.00	-0.00	435973.43	766743.97	0.00	0.00		
3200.00	5.00	90.00	3199.37	0.00	21.80	435973.43	766765.77	0.00	1.00		
4570.00	5.00	90.00	4564.15	0.00	141.21	435973.43	766885.18	0.00	0.00		
5070.00	0.00	0.00	5063.52	0.00	163.01	435973.43	766906.98	0.00	1.00		
9065.52	0.00	0.00	9059.04	0.00	163.01	435973.43	766906.98	0.00	0.00		
9964.42	89.89	0.00	9632.00	571.86	163.02	436545.29	766906.99	571.86	10.00		
14140.42	89.89	0.00	9640.00	4747.85	163.10	440721.28	766907.07	4747.85	0.00		

Plan Data for Bell Lake 19 State 7H

Slot: Bell Lake 19 State 7H OPT
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 435973.43USft Latitude: 32.196469°
+E/-W: -25.00USft Easting: 766743.97USft Longitude: -103.604638°
Elevation Above VRD: 3542.00USft

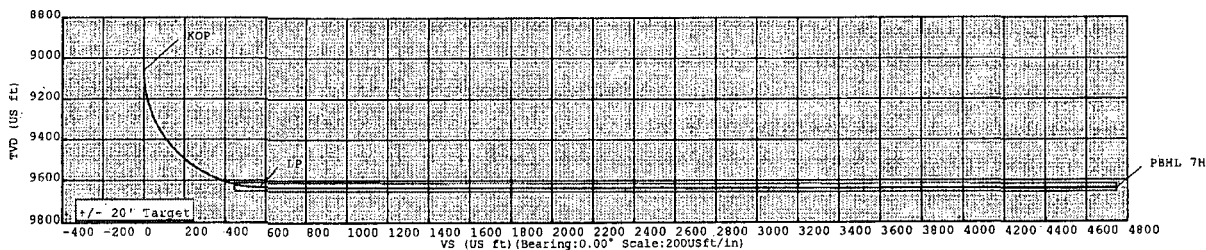
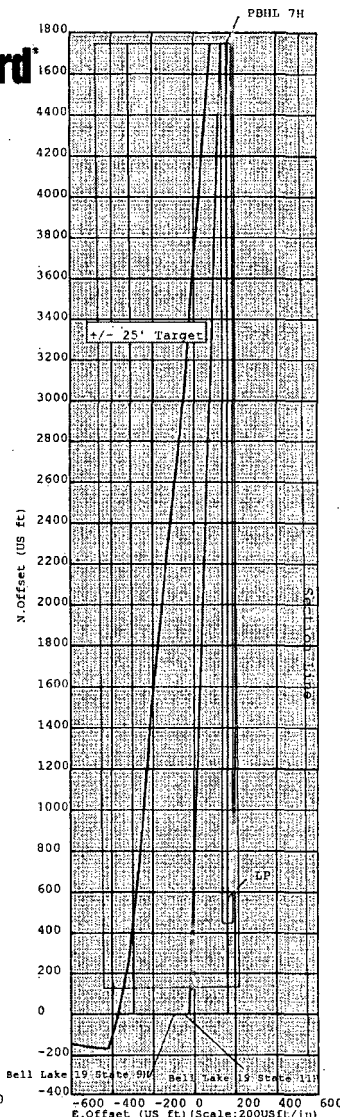
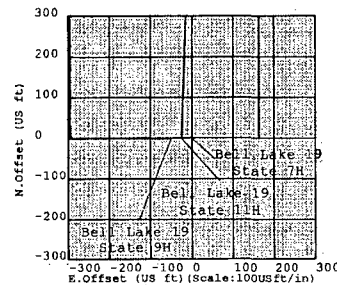
Plan Data for Bell Lake 19 State 7H

Well: Bell Lake 19 State 7H
Type: Main-Well
File Number:
Plan Folder: P1 Plan: P1:V2
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 0.00°
+E/-W: -0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 48188(nT) 7.24° 60.10° 2015-10-30

Plan Data for Bell Lake 19 State 7H

Target Set Information:
Name: Bell Lake 19 State 7H
Position offsets from Slot centre
Name TVD Elevation +N/-S +E/-W Northing Easting
(USft) (USft) (USft) (USft) (USft) (USft)
PBHL 7H 9640.00 -6073.00 4747.85 163.10 440721.28 766907.07

Bell Lake 19 State 7H	_____
Bell Lake 19 State 9H	_____
Bell Lake 19 State 11H	_____
Bell Lake 19 State 4H	_____



**5D Plan Report****Devon Energy**

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Bell Lake 19 State 7H, 9H, 11H Pad*
Well Name: *Bell Lake 19 State 7H*
Plan: *P1:V2*

7 March 2016





devon


Weatherford®

Bell Lake 19 State 7H

Field Name:	Map Units: US ft		Company Name: Devon Energy	
Lea Co, NM Nad 83 NMEZ	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Bell Lake 19 State 7H, 9H, 11H Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.39	
	Position:	Northing: 435973.43US ft	Latitude: 32° 11' 47.29"	
		Easting: 766768.97US ft	Longitude: -103° 36' 16.41"	
	Elevation above MSL: 3542.00 US ft			
Comment:				
Slot: Bell Lake 19 State 7H OPT	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 435973.43US ft	Latitude: 32° 11' 47.29"	
	+E/-W: -25.00US ft	Easting: 766743.97US ft	Longitude: -103° 36' 16.70"	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3542.00US ft			
Comment:				
Well: Bell Lake 19 State 7H	Type: Main well	UWI:	Plan: P1:V2	
	File Number:	Comment:		
	Closure Distance: 4750.65US ft	Closure Azimuth: 1.97°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: -0.00US ft	Az: 0.00°	
	Magnetic Parameters:			
	Model: BGGM	Field Strength: 48188.0nT	Declination: 7.24°	Dip: 60.10° Date: 30/Oct/2015

Drill floor: Plan: P1:V2

Rig Height (Kelly Bushing): Elevation above MSL:	Inclination: 0.00°	Azimuth: 0.00°
25.00us ft	3567.00us ft	

Target set: Bell Lake 19 State 7H Comment:

Target Name	Shape	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (USft)	Easting (USft)	Comment
PBHL 7H	Cuboid	9640.00	4747.85	163.10	440721.28	766907.07	

Wellpath created using minimum curvature.

Tie Point:

MD: 0.00USft	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00USft	North Offset: 0.00USft	East Offset: 0.00USft
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5D Plan Report

Salient Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/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	
2700.00	0.00	0.00	2700.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	Nudge
3200.00	5.00	90.00	3199.37	0.00	21.80	0.00	1.00	1.00	0.00	90.00	Hold
4570.00	5.00	90.00	4564.15	0.00	141.21	0.00	0.00	0.00	0.00	0.00	Drop
5070.00	0.00	0.00	5063.52	0.00	163.01	0.00	1.00	-1.00	0.00	180.00	Hold
9065.52	0.00	0.00	9059.04	0.00	163.01	0.00	0.00	0.00	0.00	0.00	KOP
9964.42	89.89	0.00	9632.00	571.86	163.02	571.86	10.00	10.00	0.00	0.00	LP
14140.42	89.89	0.00	9640.00	4747.85	163.10	4747.85	0.00	0.00	0.00	0.00	PBHL 7H

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
0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
100.00	0.00	0.00	100.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
200.00	0.00	0.00	200.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
300.00	0.00	0.00	300.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
400.00	0.00	0.00	400.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
500.00	0.00	0.00	500.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
600.00	0.00	0.00	600.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
700.00	0.00	0.00	700.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
800.00	0.00	0.00	800.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
900.00	0.00	0.00	900.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1000.00	0.00	0.00	1000.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1100.00	0.00	0.00	1100.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1200.00	0.00	0.00	1200.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1300.00	0.00	0.00	1300.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1400.00	0.00	0.00	1400.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1500.00	0.00	0.00	1500.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1600.00	0.00	0.00	1600.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1700.00	0.00	0.00	1700.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1800.00	0.00	0.00	1800.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
1900.00	0.00	0.00	1900.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2000.00	0.00	0.00	2000.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2100.00	0.00	0.00	2100.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2200.00	0.00	0.00	2200.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2300.00	0.00	0.00	2300.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2400.00	0.00	0.00	2400.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2500.00	0.00	0.00	2500.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2600.00	0.00	0.00	2600.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		
2700.00	0.00	0.00	2700.00	0.00	-0.00	0.00	0.00	435973.43	766743.97		Nudge
2800.00	1.00	90.00	2799.99	0.00	0.87	0.00	1.00	435973.43	766744.84		
2900.00	2.00	90.00	2899.96	0.00	3.49	0.00	1.00	435973.43	766747.46		
3000.00	3.00	90.00	2999.86	0.00	7.85	0.00	1.00	435973.43	766751.82		
3100.00	4.00	90.00	3099.68	0.00	13.96	0.00	1.00	435973.43	766757.93		
3200.00	5.00	90.00	3199.37	0.00	21.80	0.00	1.00	435973.43	766765.77		Hold
3300.00	5.00	90.00	3298.99	0.00	30.52	0.00	0.00	435973.43	766774.49		
3400.00	5.00	90.00	3398.60	0.00	39.23	0.00	0.00	435973.43	766783.20		
3500.00	5.00	90.00	3498.22	0.00	47.95	0.00	0.00	435973.43	766791.92		
3600.00	5.00	90.00	3597.84	0.00	56.67	0.00	0.00	435973.43	766800.64		
3700.00	5.00	90.00	3697.46	0.00	65.38	0.00	0.00	435973.43	766809.35		
3800.00	5.00	90.00	3797.08	0.00	74.10	0.00	0.00	435973.43	766818.07		
3900.00	5.00	90.00	3896.70	0.00	82.81	0.00	0.00	435973.43	766826.78		
4000.00	5.00	90.00	3996.32	0.00	91.53	0.00	0.00	435973.43	766835.50		
4100.00	5.00	90.00	4095.94	0.00	100.24	0.00	0.00	435973.43	766844.21		
4200.00	5.00	90.00	4195.56	0.00	108.96	0.00	0.00	435973.43	766852.93		
4300.00	5.00	90.00	4295.18	0.00	117.67	0.00	0.00	435973.43	766861.64		
4400.00	5.00	90.00	4394.80	0.00	126.39	0.00	0.00	435973.43	766870.36		
4500.00	5.00	90.00	4494.42	0.00	135.11	0.00	0.00	435973.43	766879.08		
4570.00	5.00	90.00	4564.15	0.00	141.21	0.00	0.00	435973.43	766885.18		Drop

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Incl. (°)	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	4.70	90.00	4594.04	0.00	143.74	0.00	1.00	435973.43	766887.71	
4700.00	3.70	90.00	4693.78	0.00	151.07	0.00	1.00	435973.43	766895.04	
4800.00	2.70	90.00	4793.62	0.00	156.65	0.00	1.00	435973.43	766900.62	
4900.00	1.70	90.00	4893.54	0.00	160.49	0.00	1.00	435973.43	766904.46	
5000.00	0.70	90.00	4993.52	0.00	162.58	0.00	1.00	435973.43	766906.55	
5070.00	0.00	0.00	5063.52	0.00	163.01	0.00	1.00	435973.43	766906.98	Hold
5100.00	0.00	0.00	5093.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5200.00	0.00	0.00	5193.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5300.00	0.00	0.00	5293.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5400.00	0.00	0.00	5393.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5500.00	0.00	0.00	5493.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5600.00	0.00	0.00	5593.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5700.00	0.00	0.00	5693.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5800.00	0.00	0.00	5793.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
5900.00	0.00	0.00	5893.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6000.00	0.00	0.00	5993.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6100.00	0.00	0.00	6093.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6200.00	0.00	0.00	6193.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6300.00	0.00	0.00	6293.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6400.00	0.00	0.00	6393.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6500.00	0.00	0.00	6493.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6600.00	0.00	0.00	6593.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6700.00	0.00	0.00	6693.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6800.00	0.00	0.00	6793.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
6900.00	0.00	0.00	6893.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7000.00	0.00	0.00	6993.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7100.00	0.00	0.00	7093.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7200.00	0.00	0.00	7193.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7300.00	0.00	0.00	7293.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7400.00	0.00	0.00	7393.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7500.00	0.00	0.00	7493.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7600.00	0.00	0.00	7593.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7700.00	0.00	0.00	7693.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7800.00	0.00	0.00	7793.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
7900.00	0.00	0.00	7893.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8000.00	0.00	0.00	7993.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8100.00	0.00	0.00	8093.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8200.00	0.00	0.00	8193.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8300.00	0.00	0.00	8293.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8400.00	0.00	0.00	8393.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8500.00	0.00	0.00	8493.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8600.00	0.00	0.00	8593.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8700.00	0.00	0.00	8693.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8800.00	0.00	0.00	8793.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
8900.00	0.00	0.00	8893.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
9000.00	0.00	0.00	8993.52	0.00	163.01	0.00	0.00	435973.43	766906.98	
9065.52	0.00	0.00	9059.04	0.00	163.01	0.00	0.00	435973.43	766906.98	KOP
9100.00	3.45	0.00	9093.50	1.04	163.01	1.04	10.00	435974.47	766906.98	
9200.00	13.45	0.00	9192.29	15.71	163.01	15.71	10.00	435989.14	766906.98	
9300.00	23.45	0.00	9287.03	47.31	163.01	47.31	10.00	436020.74	766906.98	
9400.00	33.45	0.00	9374.84	94.89	163.01	94.89	10.00	436068.32	766906.98	
9500.00	43.45	0.00	9453.06	156.99	163.01	156.99	10.00	436130.42	766906.98	
9600.00	53.45	0.00	9519.31	231.73	163.01	231.73	10.00	436205.16	766906.98	
9700.00	63.45	0.00	9571.57	316.84	163.01	316.84	10.00	436290.27	766906.98	
9800.00	73.45	0.00	9608.25	409.73	163.02	409.73	10.00	436383.16	766906.99	
9900.00	83.45	0.00	9628.26	507.58	163.02	507.58	10.00	436481.01	766906.99	
9964.42	89.89	0.00	9632.00	571.86	163.02	571.86	10.00	436545.29	766906.99	LP
10000.00	89.89	0.00	9632.06	607.44	163.02	607.44	0.00	436580.87	766906.99	
10100.00	89.89	0.00	9632.26	707.44	163.02	707.44	0.00	436680.87	766906.99	

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
10200.00	89.89	0.00	9632.45	807.44	163.02	807.44	0.00	436780.87	766906.99	
10300.00	89.89	0.00	9632.64	907.44	163.03	907.44	0.00	436880.87	766907.00	
10400.00	89.89	0.00	9632.83	1007.43	163.03	1007.43	0.00	436980.86	766907.00	
10500.00	89.89	0.00	9633.02	1107.43	163.03	1107.43	0.00	437080.86	766907.00	
10600.00	89.89	0.00	9633.21	1207.43	163.03	1207.43	0.00	437180.86	766907.00	
10700.00	89.89	0.00	9633.41	1307.43	163.03	1307.43	0.00	437280.86	766907.00	
10800.00	89.89	0.00	9633.60	1407.43	163.04	1407.43	0.00	437380.86	766907.01	
10900.00	89.89	0.00	9633.79	1507.43	163.04	1507.43	0.00	437480.86	766907.01	
11000.00	89.89	0.00	9633.98	1607.43	163.04	1607.43	0.00	437580.86	766907.01	
11100.00	89.89	0.00	9634.17	1707.43	163.04	1707.43	0.00	437680.86	766907.01	
11200.00	89.89	0.00	9634.36	1807.43	163.04	1807.43	0.00	437780.86	766907.01	
11300.00	89.89	0.00	9634.56	1907.43	163.05	1907.43	0.00	437880.86	766907.02	
11400.00	89.89	0.00	9634.75	2007.43	163.05	2007.43	0.00	437980.86	766907.02	
11500.00	89.89	0.00	9634.94	2107.43	163.05	2107.43	0.00	438080.86	766907.02	
11600.00	89.89	0.00	9635.13	2207.43	163.05	2207.43	0.00	438180.86	766907.02	
11700.00	89.89	0.00	9635.32	2307.43	163.05	2307.43	0.00	438280.86	766907.02	
11800.00	89.89	0.00	9635.51	2407.43	163.06	2407.43	0.00	438380.86	766907.03	
11900.00	89.89	0.00	9635.71	2507.43	163.06	2507.43	0.00	438480.86	766907.03	
12000.00	89.89	0.00	9635.90	2607.43	163.06	2607.43	0.00	438580.86	766907.03	
12100.00	89.89	0.00	9636.09	2707.43	163.06	2707.43	0.00	438680.86	766907.03	
12200.00	89.89	0.00	9636.28	2807.43	163.06	2807.43	0.00	438780.86	766907.03	
12300.00	89.89	0.00	9636.47	2907.43	163.06	2907.43	0.00	438880.86	766907.03	
12400.00	89.89	0.00	9636.66	3007.43	163.07	3007.43	0.00	438980.86	766907.04	
12500.00	89.89	0.00	9636.86	3107.43	163.07	3107.43	0.00	439080.86	766907.04	
12600.00	89.89	0.00	9637.05	3207.43	163.07	3207.43	0.00	439180.86	766907.04	
12700.00	89.89	0.00	9637.24	3307.43	163.07	3307.43	0.00	439280.86	766907.04	
12800.00	89.89	0.00	9637.43	3407.43	163.07	3407.43	0.00	439380.86	766907.04	
12900.00	89.89	0.00	9637.62	3507.43	163.08	3507.43	0.00	439480.86	766907.05	
13000.00	89.89	0.00	9637.81	3607.43	163.08	3607.43	0.00	439580.86	766907.05	
13100.00	89.89	0.00	9638.01	3707.43	163.08	3707.43	0.00	439680.86	766907.05	
13200.00	89.89	0.00	9638.20	3807.43	163.08	3807.43	0.00	439780.86	766907.05	
13300.00	89.89	0.00	9638.39	3907.43	163.08	3907.43	0.00	439880.86	766907.05	
13400.00	89.89	0.00	9638.58	4007.43	163.09	4007.43	0.00	439980.86	766907.06	
13500.00	89.89	0.00	9638.77	4107.43	163.09	4107.43	0.00	440080.86	766907.06	
13600.00	89.89	0.00	9638.96	4207.43	163.09	4207.43	0.00	440180.86	766907.06	
13700.00	89.89	0.00	9639.16	4307.43	163.09	4307.43	0.00	440280.86	766907.06	
13800.00	89.89	0.00	9639.35	4407.43	163.09	4407.43	0.00	440380.86	766907.06	
13900.00	89.89	0.00	9639.54	4507.43	163.10	4507.43	0.00	440480.86	766907.07	
14000.00	89.89	0.00	9639.73	4607.43	163.10	4607.43	0.00	440580.86	766907.07	
14100.00	89.89	0.00	9639.92	4707.43	163.10	4707.43	0.00	440680.86	766907.07	
14140.42	89.89	0.00	9640.00	4747.85	163.10	4747.85	0.00	440721.28	766907.07	PBHL 7H



5D Anti-Collision Report

Devon Energy

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

Site Name: *Bell Lake 19 State 7H, 9H, 11H Pad*

Well Name: *Bell Lake 19 State 7H*

7 March 2016





devon

Bell Lake 19 State 7H

Field Name:	Map Units: US ft		Company Name: Devon Energy	
Lea Co., NM Nad 83 NMEZ	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site:	Units: US ft	North Reference: Grid	Convergence Angle: 0.39	
Bell Lake 19 State 7H, 9H, 11H Pad	Position:	Northing: 435973.43US ft	Latitude: 32° 11' 47.29"	
		Easting: 766768.97US ft	Longitude: -103° 36' 16.41"	
	Elevation above MSL: 3542.00 US ft			
Comment:				
Slot:	Position (Relative to Site Centre)			
Bell Lake 19 State 7H OPT	+N/-S: 0.00US ft	Northing: 435973.43US ft	Latitude: 32° 11' 47.29"	
	+E/-W: -25.00US ft	Easting: 766743.97US ft	Longitude: -103° 36' 16.70"	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 3542.00US ft				
Comment:				
Well:	Type: Main well	UWI:	Plan: Working Plan	
Bell Lake 19 State 7H	File Number:	Comment:		
	Closure Distance: 4750.65US ft	Closure Azimuth: 1.97°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: -0.00US ft	Az: 0.00°	
	Magnetic Parameters:			
Model: BGGM	Field Strength: 48188.0nT	Declination: 7.24°	Dip: 60.10°	Date: 30/Oct/2015

Drill floor: Plan: Working Plan

Rig Height (Kelly Bushing): 25.00us ft	Elevation above MSL: 3567.00us ft	Inclination: 0.00°
		Azimuth: 0.00°

Collision / Uncertainty Analysis				
Primary Well	Start MD (USFt)	End MD (USFt)	Collision Risk Interval	No. of Std. Deviations in Error Computation
Bell Lake 19 State 7H (p)	0.00	25000.00	100.00	2

Secondary Well Names:

Bell Lake 19 State 11H (p)

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

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

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

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

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

5D Anti-Collision Report

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

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

Anti-Collision Summary (TVD relative to Kelly Bushing)

Secondary Well Name	Pri. MD (US ft)	TVD (US ft)	Sec. MD (US ft)	ES (US ft)	CC (US ft)	SF	Risk
Bell Lake 19 State 11H (p)	2700.00	2700.00	2700.00	12.48	24.95	2.00	SF(Lo)

Primary Well: Bell Lake 19 State 7H (p) (TVD relative to Kelly Bushing) (All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T Face to Sec (°)	S. Major (US ft)	S. Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CC (US ft)	SF	Risk
0.00	0.00	269.06	0.00	0.00	0.00	Bell Lake 19 State 11H (p)	24.39	24.95	44.04	
100.00	100.00	269.06	0.11	0.11	4.60	Bell Lake 19 State 11H (p)	24.17	24.95	31.70	
200.00	200.00	269.06	0.34	0.34	4.62	Bell Lake 19 State 11H (p)	23.72	24.95	20.18	
300.00	300.00	269.06	0.56	0.56	4.65	Bell Lake 19 State 11H (p)	23.27	24.95	14.80	
400.00	400.00	269.06	0.79	0.79	4.70	Bell Lake 19 State 11H (p)	22.82	24.95	11.68	
500.00	500.00	269.06	1.01	1.01	4.75	Bell Lake 19 State 11H (p)	22.37	24.95	9.65	
600.00	600.00	269.06	1.24	1.24	4.82	Bell Lake 19 State 11H (p)	21.92	24.95	8.22	
700.00	700.00	269.06	1.46	1.46	4.89	Bell Lake 19 State 11H (p)	21.47	24.95	7.16	
800.00	800.00	269.06	1.69	1.69	4.98	Bell Lake 19 State 11H (p)	21.02	24.95	6.34	
900.00	900.00	269.06	1.91	1.91	5.07	Bell Lake 19 State 11H (p)	20.57	24.95	5.69	
1000.00	1000.00	269.06	2.14	2.14	5.17	Bell Lake 19 State 11H (p)	20.12	24.95	5.16	
1100.00	1100.00	269.06	2.36	2.36	5.28	Bell Lake 19 State 11H (p)	19.67	24.95	4.72	
1200.00	1200.00	269.06	2.59	2.59	5.39	Bell Lake 19 State 11H (p)	19.22	24.95	4.35	
1300.00	1300.00	269.06	2.81	2.81	5.51	Bell Lake 19 State 11H (p)	18.77	24.95	4.04	
1400.00	1400.00	269.06	3.03	3.03	5.64	Bell Lake 19 State 11H (p)	18.32	24.95	3.76	
1500.00	1500.00	269.06	3.26	3.26	5.77	Bell Lake 19 State 11H (p)	17.87	24.95	3.52	
1600.00	1600.00	269.06	3.48	3.48	5.90	Bell Lake 19 State 11H (p)	17.42	24.95	3.31	
1700.00	1700.00	269.06	3.71	3.71	6.04	Bell Lake 19 State 11H (p)	16.97	24.95	3.13	
1800.00	1800.00	269.06	3.93	3.93	6.19	Bell Lake 19 State 11H (p)	16.52	24.95	2.96	
1900.00	1900.00	269.06	4.16	4.16	6.34	Bell Lake 19 State 11H (p)	16.07	24.95	2.81	
2000.00	2000.00	269.06	4.38	4.38	6.49		15.63	24.95	2.68	

5D Anti-Collision Report

Primary Well: Bell Lake 19 State 7H (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
						Bell Lake 19 State 11H (p)				
2100.00	2100.00	269.06	4.61	4.61	6.64	Bell Lake 19 State 11H (p)	15.18	24.95	2.55	
2200.00	2200.00	269.06	4.83	4.83	6.80	Bell Lake 19 State 11H (p)	14.73	24.95	2.44	SF(Lo)
2300.00	2300.00	269.06	5.06	5.06	6.96	Bell Lake 19 State 11H (p)	14.28	24.95	2.34	SF(Lo)
2400.00	2400.00	269.06	5.28	5.28	7.12	Bell Lake 19 State 11H (p)	13.83	24.95	2.24	SF(Lo)
2500.00	2500.00	269.06	5.51	5.51	7.29	Bell Lake 19 State 11H (p)	13.38	24.95	2.16	SF(Lo)
2600.00	2600.00	269.06	5.73	5.73	7.46	Bell Lake 19 State 11H (p)	12.93	24.95	2.08	SF(Lo)
2700.00	2700.00	269.06	5.96	5.96	7.63	Bell Lake 19 State 11H (p)	12.48	24.95	2.00	SF(Lo)
2800.00	2799.99	179.09	6.17	6.17	7.80	Bell Lake 19 State 11H (p)	12.94	25.83	2.00	SF(Lo)
2900.00	2899.96	179.17	6.37	6.36	7.98	Bell Lake 19 State 11H (p)	15.13	28.44	2.14	SF(Lo)
3000.00	2999.86	179.28	6.57	6.56	8.15	Bell Lake 19 State 11H (p)	19.06	32.80	2.39	SF(Lo)
3100.00	3099.68	179.39	6.77	6.75	8.33	Bell Lake 19 State 11H (p)	24.75	38.91	2.75	
3200.00	3199.37	179.50	6.98	6.95	8.51	Bell Lake 19 State 11H (p)	32.17	46.75	3.21	
3300.00	3298.99	179.57	7.20	7.15	8.70	Bell Lake 19 State 11H (p)	40.46	55.47	3.69	
3400.00	3398.60	179.63	7.42	7.36	8.89	Bell Lake 19 State 11H (p)	48.74	64.19	4.16	
3500.00	3498.22	179.68	7.64	7.56	9.08	Bell Lake 19 State 11H (p)	57.02	72.90	4.59	
3600.00	3597.84	179.71	7.87	7.77	9.27	Bell Lake 19 State 11H (p)	65.31	81.62	5.00	
3700.00	3697.46	179.74	8.10	7.98	9.47	Bell Lake 19 State 11H (p)	73.59	90.33	5.40	
3800.00	3797.08	179.76	8.33	8.19	9.67	Bell Lake 19 State 11H (p)	81.87	99.05	5.77	
3900.00	3896.70	179.78	8.57	8.41	9.87	Bell Lake 19 State 11H (p)	90.15	107.76	6.12	
4000.00	3996.32	179.80	8.80	8.62	10.08	Bell Lake 19 State 11H (p)	98.43	116.48	6.45	
4100.00	4095.94	179.81	9.04	8.84	10.28	Bell Lake 19 State 11H (p)	106.71	125.19	6.77	
4200.00	4195.56	179.82	9.28	9.05	10.50	Bell Lake 19 State 11H (p)	114.98	133.91	7.08	
4300.00	4295.18	179.83	9.53	9.27	10.71	Bell Lake 19 State 11H (p)	123.26	142.62	7.37	
4400.00	4394.80	179.84	9.77	9.48	10.93	Bell Lake 19 State 11H (p)	131.54	151.34	7.64	
4500.00	4494.42	179.85	10.02	9.70	11.15	Bell Lake 19 State 11H (p)	139.81	160.06	7.91	

5D Anti-Collision Report

Primary Well: Bell Lake 19 State 7H (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
4600.00	4594.04	179.86	10.26	9.92	11.37	Bell Lake 19 State 11H (p)	148.01	168.69	8.16	
4700.00	4693.78	179.87	10.47	10.12	11.60	Bell Lake 19 State 11H (p)	154.91	176.02	8.34	
4800.00	4793.62	179.87	10.67	10.32	11.83	Bell Lake 19 State 11H (p)	160.07	181.60	8.44	
4900.00	4893.54	179.87	10.87	10.51	12.07	Bell Lake 19 State 11H (p)	163.49	185.44	8.45	
5000.00	4993.52	179.87	11.06	10.71	12.31	Bell Lake 19 State 11H (p)	165.16	187.53	8.38	
5100.00	5093.52	269.88	11.26	10.90	12.55	Bell Lake 19 State 11H (p)	165.17	187.96	8.25	
5200.00	5193.52	269.88	11.47	11.12	12.79	Bell Lake 19 State 11H (p)	164.72	187.96	8.09	
5300.00	5293.52	269.88	11.69	11.34	13.04	Bell Lake 19 State 11H (p)	164.28	187.96	7.94	
5400.00	5393.52	269.88	11.90	11.56	13.29	Bell Lake 19 State 11H (p)	163.84	187.96	7.79	
5500.00	5493.52	269.88	12.12	11.78	13.54	Bell Lake 19 State 11H (p)	163.39	187.96	7.65	
5600.00	5593.52	269.88	12.33	12.00	13.80	Bell Lake 19 State 11H (p)	162.95	187.96	7.51	
5700.00	5693.52	269.88	12.55	12.22	14.07	Bell Lake 19 State 11H (p)	162.50	187.96	7.38	
5800.00	5793.52	269.88	12.76	12.44	14.33	Bell Lake 19 State 11H (p)	162.06	187.96	7.26	
5900.00	5893.52	269.88	12.98	12.66	14.61	Bell Lake 19 State 11H (p)	161.61	187.96	7.13	
6000.00	5993.52	269.88	13.20	12.88	14.88	Bell Lake 19 State 11H (p)	161.17	187.96	7.01	
6100.00	6093.52	269.88	13.41	13.10	15.16	Bell Lake 19 State 11H (p)	160.72	187.96	6.90	
6200.00	6193.52	269.88	13.63	13.32	15.45	Bell Lake 19 State 11H (p)	160.27	187.96	6.79	
6300.00	6293.52	269.88	13.85	13.55	15.74	Bell Lake 19 State 11H (p)	159.83	187.96	6.68	
6400.00	6393.52	269.88	14.07	13.77	16.03	Bell Lake 19 State 11H (p)	159.38	187.96	6.58	
6500.00	6493.52	269.88	14.28	13.99	16.33	Bell Lake 19 State 11H (p)	158.94	187.96	6.48	
6600.00	6593.52	269.88	14.50	14.21	16.64	Bell Lake 19 State 11H (p)	158.49	187.96	6.38	
6700.00	6693.52	269.88	14.72	14.43	16.94	Bell Lake 19 State 11H (p)	158.04	187.96	6.28	
6800.00	6793.52	269.88	14.94	14.65	17.26	Bell Lake 19 State 11H (p)	157.60	187.96	6.19	
6900.00	6893.52	269.88	15.16	14.88	17.58	Bell Lake 19 State 11H (p)	157.15	187.96	6.10	
7000.00	6993.52	269.88	15.38	15.10	17.90	Bell Lake 19 State 11H (p)	156.71	187.96	6.01	
7100.00	7093.52	269.88	15.59	15.32	18.23	Bell Lake 19 State 11H (p)	156.26	187.96	5.93	

5D Anti-Collision Report

Primary Well: Bell Lake 19 State 7H (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
7200.00	7193.52	269.88	15.81	15.54	18.56	Bell Lake 19 State 11H (p)	155.81	187.96	5.85	
7300.00	7293.52	269.88	16.03	15.76	18.90	Bell Lake 19 State 11H (p)	155.37	187.96	5.77	
7400.00	7393.52	269.88	16.25	15.99	19.24	Bell Lake 19 State 11H (p)	154.92	187.96	5.69	
7500.00	7493.52	269.88	16.47	16.21	19.59	Bell Lake 19 State 11H (p)	154.47	187.96	5.61	
7600.00	7593.52	269.88	16.69	16.43	19.95	Bell Lake 19 State 11H (p)	154.02	187.96	5.54	
7700.00	7693.52	269.88	16.91	16.65	20.30	Bell Lake 19 State 11H (p)	153.58	187.96	5.47	
7800.00	7793.52	269.88	17.13	16.87	20.67	Bell Lake 19 State 11H (p)	153.13	187.96	5.40	
7900.00	7893.52	269.88	17.35	17.10	21.04	Bell Lake 19 State 11H (p)	152.68	187.96	5.33	
8000.00	7993.52	269.88	17.57	17.32	21.41	Bell Lake 19 State 11H (p)	152.24	187.96	5.26	
8100.00	8093.52	269.88	17.79	17.54	21.79	Bell Lake 19 State 11H (p)	151.79	187.96	5.20	
8200.00	8193.52	269.88	18.01	17.76	22.18	Bell Lake 19 State 11H (p)	151.34	187.96	5.13	
8300.00	8293.52	269.88	18.23	17.99	22.57	Bell Lake 19 State 11H (p)	150.89	187.96	5.07	
8400.00	8393.52	269.88	18.45	18.21	22.97	Bell Lake 19 State 11H (p)	150.45	187.96	5.01	
8500.00	8493.52	269.88	18.68	18.43	23.37	Bell Lake 19 State 11H (p)	150.00	187.96	4.95	
8600.00	8593.52	269.88	18.90	18.66	23.78	Bell Lake 19 State 11H (p)	149.55	187.96	4.89	
8700.00	8693.52	270.11	19.12	18.88	24.20	Bell Lake 19 State 11H (p)	149.11	187.93	4.84	
8800.00	8793.52	274.27	19.34	19.10	24.62	Bell Lake 19 State 11H (p)	148.72	188.01	4.79	
8900.00	8893.52	282.54	19.56	19.32	25.04	Bell Lake 19 State 11H (p)	152.07	191.66	4.84	
9000.00	8993.52	292.63	19.78	19.55	25.47	Bell Lake 19 State 11H (p)	165.43	205.04	5.18	
9100.00	9093.50	303.10	19.98	19.77	25.91	Bell Lake 19 State 11H (p)	193.53	232.42	5.98	
9200.00	9192.29	312.94	19.99	19.90	26.33	Bell Lake 19 State 11H (p)	228.97	266.85	7.04	
9300.00	9287.03	320.28	20.20	19.48	26.72	Bell Lake 19 State 11H (p)	265.54	302.13	8.26	
9400.00	9374.84	325.67	20.43	18.76	27.06	Bell Lake 19 State 11H (p)	300.03	335.40	9.48	
9500.00	9453.06	329.60	20.71	17.81	27.36	Bell Lake 19 State 11H (p)	330.78	364.91	10.69	
9600.00	9519.31	332.44	21.05	16.74	27.62	Bell Lake 19 State 11H (p)	356.53	389.59	11.78	
9700.00	9571.57	334.45	21.49	15.69	27.88	Bell Lake 19 State 11H (p)	376.45	408.72	12.67	

5D Anti-Collision Report

Primary Well: Bell Lake 19 State 7H (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
9800.00	9608.25	335.80	22.04	14.85	28.14	Bell Lake 19 State 11H (p)	390.10	421.82	13.30	
9900.00	9628.26	336.61	22.71	14.37	28.44	Bell Lake 19 State 11H (p)	397.08	428.61	13.59	
10000.00	9632.06	337.02	23.48	14.38	28.78	Bell Lake 19 State 11H (p)	397.66	429.43	13.52	
10100.00	9632.26	337.48	24.36	14.59	29.19	Bell Lake 19 State 11H (p)	396.77	429.09	13.28	
10200.00	9632.45	337.94	25.34	14.82	29.66	Bell Lake 19 State 11H (p)	395.83	428.79	13.01	
10300.00	9632.64	338.41	26.41	15.09	30.20	Bell Lake 19 State 11H (p)	394.83	428.51	12.72	
10400.00	9632.83	338.87	27.55	15.39	30.80	Bell Lake 19 State 11H (p)	393.80	428.25	12.43	
10500.00	9633.02	339.34	28.77	15.72	31.45	Bell Lake 19 State 11H (p)	392.75	428.03	12.13	
10600.00	9633.21	339.80	30.05	16.07	32.16	Bell Lake 19 State 11H (p)	391.68	427.84	11.83	
10700.00	9633.41	340.27	31.39	16.45	32.92	Bell Lake 19 State 11H (p)	390.60	427.67	11.54	
10800.00	9633.60	340.73	32.77	16.85	33.73	Bell Lake 19 State 11H (p)	389.51	427.53	11.25	
10900.00	9633.79	341.20	34.19	17.28	34.58	Bell Lake 19 State 11H (p)	388.42	427.42	10.96	
11000.00	9633.98	341.66	35.65	17.72	35.47	Bell Lake 19 State 11H (p)	387.33	427.34	10.68	
11100.00	9634.17	342.13	37.15	18.19	36.39	Bell Lake 19 State 11H (p)	386.24	427.28	10.41	
11200.00	9634.36	342.60	38.67	18.67	37.36	Bell Lake 19 State 11H (p)	385.17	427.26	10.15	
11300.00	9634.56	343.06	40.21	19.17	38.35	Bell Lake 19 State 11H (p)	384.12	427.26	9.90	
11400.00	9634.75	343.53	41.78	19.68	39.37	Bell Lake 19 State 11H (p)	383.08	427.29	9.66	
11500.00	9634.94	344.00	43.37	20.20	40.42	Bell Lake 19 State 11H (p)	382.07	427.35	9.44	
11600.00	9635.13	344.46	44.98	20.74	41.50	Bell Lake 19 State 11H (p)	381.08	427.44	9.22	
11700.00	9635.32	344.93	46.61	21.29	42.60	Bell Lake 19 State 11H (p)	380.15	427.55	9.02	
11800.00	9635.51	345.39	48.24	21.85	43.72	Bell Lake 19 State 11H (p)	379.20	427.70	8.82	
11900.00	9635.71	345.86	49.90	22.42	44.86	Bell Lake 19 State 11H (p)	378.30	427.87	8.63	
12000.00	9635.90	346.32	51.56	23.00	46.02	Bell Lake 19 State 11H (p)	377.45	428.07	8.46	
12100.00	9636.09	346.79	53.23	23.59	47.20	Bell Lake 19 State 11H (p)	376.63	428.30	8.29	
12200.00	9636.28	347.25	54.92	24.19	48.39	Bell Lake 19 State 11H (p)	375.84	428.56	8.13	
12300.00	9636.47	347.72	56.61	24.79	49.60	Bell Lake 19 State 11H (p)	375.10	428.84	7.98	

SD Anti-Collision Report

Primary Well: Bell Lake 19 State 7H (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
12400.00	9636.66	348.18	58.31	25.40	50.82	Bell Lake 19 State 11H (p)	374.35	429.16	7.83	
12500.00	9636.86	348.64	60.02	26.02	52.05	Bell Lake 19 State 11H (p)	373.62	429.50	7.69	
12600.00	9637.05	349.10	61.73	26.64	53.30	Bell Lake 19 State 11H (p)	372.88	429.87	7.54	
12700.00	9637.24	349.56	63.45	27.27	54.55	Bell Lake 19 State 11H (p)	372.15	430.27	7.40	
12800.00	9637.43	350.02	65.18	27.90	55.82	Bell Lake 19 State 11H (p)	371.46	430.69	7.27	
12900.00	9637.62	350.48	66.91	28.54	57.09	Bell Lake 19 State 11H (p)	370.81	431.14	7.15	
13000.00	9637.81	350.94	68.65	29.18	58.38	Bell Lake 19 State 11H (p)	370.20	431.62	7.03	
13100.00	9638.01	351.40	70.39	29.83	59.67	Bell Lake 19 State 11H (p)	369.63	432.13	6.91	
13200.00	9638.20	351.85	72.14	30.48	60.97	Bell Lake 19 State 11H (p)	369.09	432.67	6.81	
13300.00	9638.39	352.30	73.89	31.14	62.28	Bell Lake 19 State 11H (p)	368.59	433.23	6.70	
13400.00	9638.58	352.76	75.64	31.79	63.60	Bell Lake 19 State 11H (p)	368.14	433.82	6.60	
13500.00	9638.77	353.21	77.40	32.45	64.92	Bell Lake 19 State 11H (p)	367.70	434.44	6.51	
13600.00	9638.96	353.66	79.16	33.12	66.25	Bell Lake 19 State 11H (p)	367.21	435.08	6.41	
13700.00	9639.16	354.11	80.92	33.79	67.58	Bell Lake 19 State 11H (p)	366.67	435.75	6.31	
13800.00	9639.35	354.56	82.69	34.46	68.92	Bell Lake 19 State 11H (p)	366.16	436.45	6.21	
13900.00	9639.54	355.00	84.45	35.13	70.27	Bell Lake 19 State 11H (p)	365.68	437.17	6.12	
14000.00	9639.73	355.45	86.23	35.80	71.62	Bell Lake 19 State 11H (p)	365.24	437.92	6.02	
14100.00	9639.92	355.89	88.00	36.48	72.97	Bell Lake 19 State 11H (p)	364.82	438.70	5.94	
14140.42	9640.00	356.07	88.72	36.75	73.52	Bell Lake 19 State 11H (p)	364.67	439.02	5.90	

Secondary Well: Bell Lake 19 State 11H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
Pr MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	0.00	0.00	269.06	0.00	0.00	0.00	24.39	24.95	44.04	
100.00	100.00	100.00	269.06	0.11	0.11	4.60	24.17	24.95	31.70	
200.00	200.00	200.00	269.06	0.34	0.34	4.62	23.72	24.95	20.18	
300.00	300.00	300.00	269.06	0.56	0.56	4.65	23.27	24.95	14.80	
400.00	400.00	400.00	269.06	0.79	0.79	4.70	22.82	24.95	11.68	
500.00	500.00	500.00	269.06	1.01	1.01	4.75	22.37	24.95	9.65	
600.00	600.00	600.00	269.06	1.24	1.24	4.82	21.92	24.95	8.22	
700.00	700.00	700.00	269.06	1.46	1.46	4.89	21.47	24.95	7.16	
800.00	800.00	800.00	269.06	1.69	1.69	4.98	21.02	24.95	6.34	
900.00	900.00	900.00	269.06	1.91	1.91	5.07	20.57	24.95	5.69	
1000.00	1000.00	1000.00	269.06	2.14	2.14	5.17	20.12	24.95	5.16	
1100.00	1100.00	1100.00	269.06	2.36	2.36	5.28	19.67	24.95	4.72	

5D Anti-Collision Report

Secondary Well: Bell Lake 19 State 11H (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
1200.00	1200.00	1200.00	269.06	2.59	2.59	5.39	19.22	24.95	4.35	
1300.00	1300.00	1300.00	269.06	2.81	2.81	5.51	18.77	24.95	4.04	
1400.00	1400.00	1400.00	269.06	3.03	3.03	5.64	18.32	24.95	3.76	
1500.00	1500.00	1500.00	269.06	3.26	3.26	5.77	17.87	24.95	3.52	
1600.00	1600.00	1600.00	269.06	3.48	3.48	5.90	17.42	24.95	3.31	
1700.00	1700.00	1700.00	269.06	3.71	3.71	6.04	16.97	24.95	3.13	
1800.00	1800.00	1800.00	269.06	3.93	3.93	6.19	16.52	24.95	2.96	
1900.00	1900.00	1900.00	269.06	4.16	4.16	6.34	16.07	24.95	2.81	
2000.00	2000.00	2000.00	269.06	4.38	4.38	6.49	15.63	24.95	2.68	
2100.00	2100.00	2100.00	269.06	4.61	4.61	6.64	15.18	24.95	2.55	
2200.00	2200.00	2200.00	269.06	4.83	4.83	6.80	14.73	24.95	2.44	SF(Lo)
2300.00	2300.00	2300.00	269.06	5.06	5.06	6.96	14.28	24.95	2.34	SF(Lo)
2400.00	2400.00	2400.00	269.06	5.28	5.28	7.12	13.83	24.95	2.24	SF(Lo)
2500.00	2500.00	2500.00	269.06	5.51	5.51	7.29	13.38	24.95	2.16	SF(Lo)
2600.00	2600.00	2600.00	269.06	5.73	5.73	7.46	12.93	24.95	2.08	SF(Lo)
2700.00	2700.00	2700.00	269.06	5.96	5.96	7.63	12.48	24.95	2.00	SF(Lo)
2800.00	2799.99	2799.99	179.09	6.18	6.18	7.80	12.94	25.83	2.00	SF(Lo)
2900.00	2899.96	2899.96	179.17	6.41	6.41	7.98	15.13	28.44	2.14	SF(Lo)
3000.00	2999.86	2999.86	179.28	6.63	6.63	8.16	19.06	32.80	2.39	SF(Lo)
3100.00	3099.68	3099.68	179.39	6.86	6.86	8.34	24.75	38.91	2.75	
3200.00	3199.37	3199.37	179.50	7.08	7.08	8.52	32.17	46.75	3.21	
3300.00	3298.99	3298.99	179.57	7.30	7.30	8.71	40.46	55.47	3.69	
3400.00	3398.60	3398.60	179.63	7.53	7.53	8.89	48.74	64.19	4.16	
3500.00	3498.22	3498.22	179.68	7.75	7.75	9.08	57.02	72.90	4.59	
3600.00	3597.84	3597.84	179.71	7.98	7.98	9.28	65.31	81.62	5.00	
3700.00	3697.46	3697.46	179.74	8.20	8.20	9.47	73.59	90.33	5.40	
3800.00	3797.08	3797.08	179.76	8.42	8.42	9.67	81.87	99.05	5.77	
3900.00	3896.70	3896.70	179.78	8.65	8.65	9.87	90.15	107.76	6.12	
4000.00	3996.32	3996.32	179.80	8.87	8.87	10.08	98.43	116.48	6.45	
4100.00	4095.94	4095.94	179.81	9.09	9.09	10.28	106.71	125.19	6.77	
4200.00	4195.56	4195.56	179.82	9.32	9.32	10.49	114.98	133.91	7.08	
4300.00	4295.18	4295.18	179.83	9.54	9.54	10.70	123.26	142.62	7.37	
4400.00	4394.80	4394.80	179.84	9.77	9.77	10.92	131.54	151.34	7.64	
4500.00	4494.42	4494.42	179.85	9.99	9.99	11.14	139.81	160.06	7.91	
4600.00	4594.04	4594.04	179.86	10.21	10.21	11.36	148.01	168.69	8.16	
4700.00	4693.78	4693.78	179.87	10.44	10.44	11.59	154.91	176.02	8.34	
4800.00	4793.62	4793.62	179.87	10.66	10.66	11.82	160.07	181.60	8.44	
4900.00	4893.54	4893.54	179.87	10.89	10.89	12.05	163.49	185.44	8.45	
5000.00	4993.52	4993.52	179.87	11.11	11.11	12.29	165.16	187.53	8.38	
5100.00	5093.52	5093.52	269.88	11.34	11.34	12.53	165.17	187.96	8.25	
5200.00	5193.52	5193.52	269.88	11.56	11.56	12.77	164.72	187.96	8.09	
5300.00	5293.52	5293.52	269.88	11.79	11.79	13.02	164.28	187.96	7.94	
5400.00	5393.52	5393.52	269.88	12.01	12.01	13.27	163.84	187.96	7.79	
5500.00	5493.52	5493.52	269.88	12.24	12.24	13.53	163.39	187.96	7.65	
5600.00	5593.52	5593.52	269.88	12.46	12.46	13.78	162.95	187.96	7.51	
5700.00	5693.52	5693.52	269.88	12.69	12.69	14.05	162.50	187.96	7.38	
5800.00	5793.52	5793.52	269.88	12.91	12.91	14.32	162.06	187.96	7.26	
5900.00	5893.52	5893.52	269.88	13.14	13.14	14.59	161.61	187.96	7.13	
6000.00	5993.52	5993.52	269.88	13.36	13.36	14.87	161.17	187.96	7.01	
6100.00	6093.52	6093.52	269.88	13.58	13.58	15.15	160.72	187.96	6.90	
6200.00	6193.52	6193.52	269.88	13.81	13.81	15.43	160.27	187.96	6.79	
6300.00	6293.52	6293.52	269.88	14.03	14.03	15.72	159.83	187.96	6.68	
6400.00	6393.52	6393.52	269.88	14.26	14.26	16.02	159.38	187.96	6.58	
6500.00	6493.52	6493.52	269.88	14.48	14.48	16.32	158.94	187.96	6.48	
6600.00	6593.52	6593.52	269.88	14.71	14.71	16.62	158.49	187.96	6.38	
6700.00	6693.52	6693.52	269.88	14.93	14.93	16.93	158.04	187.96	6.28	
6800.00	6793.52	6793.52	269.88	15.16	15.16	17.24	157.60	187.96	6.19	
6900.00	6893.52	6893.52	269.88	15.38	15.38	17.56	157.15	187.96	6.10	

SD Anti-Collision Report

Secondary Well: Bell Lake 19 State 11H (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
7000.00	6993.52	6993.52	269.88	15.61	15.61	17.88	156.71	187.96	6.01	
7100.00	7093.52	7093.52	269.88	15.83	15.83	18.21	156.26	187.96	5.93	
7200.00	7193.52	7193.52	269.88	16.06	16.06	18.55	155.81	187.96	5.85	
7300.00	7293.52	7293.52	269.88	16.28	16.28	18.89	155.37	187.96	5.77	
7400.00	7393.52	7393.52	269.88	16.51	16.51	19.23	154.92	187.96	5.69	
7500.00	7493.52	7493.52	269.88	16.73	16.73	19.58	154.47	187.96	5.61	
7600.00	7593.52	7593.52	269.88	16.96	16.96	19.93	154.02	187.96	5.54	
7700.00	7693.52	7693.52	269.88	17.18	17.18	20.29	153.58	187.96	5.47	
7800.00	7793.52	7793.52	269.88	17.41	17.41	20.66	153.13	187.96	5.40	
7900.00	7893.52	7893.52	269.88	17.63	17.63	21.03	152.68	187.96	5.33	
8000.00	7993.52	7993.52	269.88	17.86	17.86	21.40	152.24	187.96	5.26	
8100.00	8093.52	8093.52	269.88	18.08	18.08	21.78	151.79	187.96	5.20	
8200.00	8193.52	8193.52	269.88	18.31	18.31	22.17	151.34	187.96	5.13	
8300.00	8293.52	8293.52	269.88	18.53	18.53	22.56	150.89	187.96	5.07	
8400.00	8393.52	8393.52	269.88	18.76	18.76	22.96	150.45	187.96	5.01	
8500.00	8493.52	8493.52	269.88	18.98	18.98	23.36	150.00	187.96	4.95	
8600.00	8593.52	8593.52	269.88	19.20	19.20	23.77	149.55	187.96	4.89	
8700.00	8693.82	8693.84	270.11	19.43	19.41	24.18	149.11	187.93	4.84	
8800.00	8791.75	8792.83	274.27	19.64	19.35	24.58	148.72	188.01	4.79	
8900.00	8879.23	8884.63	282.54	19.84	18.97	24.92	152.07	191.66	4.84	
9000.00	8952.18	8965.96	292.63	20.02	18.41	25.18	165.43	205.04	5.18	
9100.00	9010.67	9036.31	303.10	20.20	17.78	25.39	193.53	232.42	5.98	
9200.00	9060.72	9102.18	312.94	20.38	17.10	25.57	228.97	266.85	7.04	
9300.00	9104.26	9166.08	320.28	20.59	16.38	25.73	265.54	302.13	8.26	
9400.00	9141.53	9228.50	325.67	20.83	15.67	25.88	300.03	335.40	9.48	
9500.00	9172.63	9289.82	329.60	21.10	14.99	26.03	330.78	364.91	10.69	
9600.00	9197.62	9350.34	332.44	21.43	14.40	26.18	356.53	389.59	11.78	
9700.00	9216.50	9410.26	334.45	21.77	13.91	26.34	376.45	408.72	12.67	
9800.00	9229.28	9469.78	335.80	22.16	13.58	26.52	390.10	421.82	13.30	
9900.00	9235.95	9529.05	336.61	22.58	13.42	26.71	397.08	428.61	13.59	
10000.00	9236.72	9601.55	337.02	23.15	13.48	26.97	397.66	429.43	13.52	
10100.00	9235.89	9701.49	337.48	24.02	13.70	27.40	396.77	429.09	13.28	
10200.00	9235.05	9801.43	337.94	25.00	13.94	27.89	395.83	428.79	13.01	
10300.00	9234.21	9901.37	338.41	26.07	14.22	28.45	394.83	428.51	12.72	
10400.00	9233.37	10001.31	338.87	27.22	14.53	29.08	393.80	428.25	12.43	
10500.00	9232.53	10101.25	339.34	28.44	14.88	29.76	392.75	428.03	12.13	
10600.00	9231.69	10201.19	339.80	29.72	15.25	30.50	391.68	427.84	11.83	
10700.00	9230.86	10301.13	340.27	31.05	15.64	31.29	390.60	427.67	11.54	
10800.00	9230.02	10401.07	340.73	32.43	16.06	32.12	389.51	427.53	11.25	
10900.00	9229.18	10501.01	341.20	33.85	16.50	33.00	388.42	427.42	10.96	
11000.00	9228.34	10600.94	341.66	35.31	16.96	33.93	387.33	427.34	10.68	
11100.00	9227.50	10700.88	342.13	36.80	17.44	34.88	386.24	427.28	10.41	
11200.00	9226.67	10800.82	342.60	38.32	17.94	35.88	385.17	427.26	10.15	
11300.00	9225.83	10900.76	343.06	39.86	18.45	36.90	384.12	427.26	9.90	
11400.00	9224.99	11000.70	343.53	41.43	18.98	37.96	383.08	427.29	9.66	
11500.00	9224.15	11100.64	344.00	43.01	19.52	39.04	382.07	427.35	9.44	
11600.00	9223.31	11200.58	344.46	44.62	20.07	40.14	381.08	427.44	9.22	
11700.00	9222.48	11300.52	344.93	46.24	20.63	41.27	380.15	427.55	9.02	
11800.00	9221.64	11400.46	345.39	47.87	21.21	42.41	379.20	427.70	8.82	
11900.00	9220.80	11500.40	345.86	49.52	21.79	43.58	378.30	427.87	8.63	
12000.00	9219.96	11600.34	346.32	51.17	22.38	44.77	377.45	428.07	8.46	
12100.00	9219.12	11700.28	346.79	52.84	22.98	45.97	376.63	428.30	8.29	
12200.00	9218.28	11800.22	347.25	54.52	23.59	47.18	375.84	428.56	8.13	
12300.00	9217.45	11900.16	347.72	56.20	24.21	48.41	375.10	428.84	7.98	
12400.00	9216.61	12000.10	348.18	57.90	24.83	49.65	374.35	429.16	7.83	
12500.00	9215.77	12100.04	348.64	59.60	25.46	50.91	373.62	429.50	7.69	
12600.00	9214.93	12199.98	349.10	61.31	26.09	52.17	372.88	429.87	7.54	
12700.00	9214.09	12299.91	349.56	63.02	26.73	53.45	372.15	430.27	7.40	

5D Anti-Collision Report

Secondary Well: Bell Lake 19 State 11H (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)	LS (US ft)	CC (US ft)	SF	Risk
12800.00	9213.26	12399.85	350.02	64.74	27.37	54.74	371.46	430.69	7.27	
12900.00	9212.42	12499.79	350.48	66.47	28.02	56.03	370.81	431.14	7.15	
13000.00	9211.58	12599.73	350.94	68.20	28.67	57.33	370.20	431.62	7.03	
13100.00	9210.74	12699.67	351.40	69.93	29.32	58.64	369.63	432.13	6.91	
13200.00	9209.90	12799.61	351.85	71.67	29.98	59.96	369.09	432.67	6.81	
13300.00	9209.06	12899.55	352.30	73.41	30.64	61.28	368.59	433.23	6.70	
13400.00	9208.23	12999.49	352.76	75.16	31.31	62.61	368.14	433.82	6.60	
13500.00	9207.39	13099.43	353.21	76.91	31.98	63.95	367.70	434.44	6.51	
13600.00	9206.55	13199.37	353.66	78.66	32.65	65.29	367.21	435.08	6.41	
13700.00	9205.71	13299.31	354.11	80.41	33.32	66.64	366.67	435.75	6.31	
13800.00	9204.87	13399.25	354.56	82.17	34.00	67.99	366.16	436.45	6.21	
13900.00	9204.04	13499.19	355.00	83.93	34.68	69.35	365.68	437.17	6.12	
14000.00	9203.20	13599.13	355.45	85.69	35.36	70.71	365.24	437.92	6.02	
14100.00	9202.36	13699.07	355.89	87.46	36.04	72.07	364.82	438.70	5.94	
14140.42	9202.02	13739.46	356.07	88.17	36.31	72.63	364.67	439.02	5.90	