

3002542753



Bell Lake 19 State 9H  
Lea Co, NM



Plan Data for Bell Lake 19 State 9H

Plan Point Information:

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	435972.62	766694.06	0.00	0.00
2700.00	0.00	0.00	2700.00	-0.00	-0.00	435972.62	766694.06	0.00	0.00
3300.00	6.00	270.00	3298.90	-0.00	-31.39	435972.62	766662.67	0.15	1.00
5040.00	6.00	270.00	5029.37	-0.00	-213.27	435972.62	766480.79	1.00	0.00
5640.00	0.00	0.00	5628.28	-0.00	-244.65	435972.62	766449.41	1.15	1.00
8977.80	0.00	0.00	8966.08	-0.00	-244.65	435972.62	766449.41	1.15	0.00
9884.27	90.65	359.73	9539.00	579.42	-247.38	436552.04	766446.68	580.57	10.00
14050.20	90.65	359.73	9492.00	4745.04	-266.96	440717.66	766427.10	4746.25	0.00

Plan Data for Bell Lake 19 State 9H

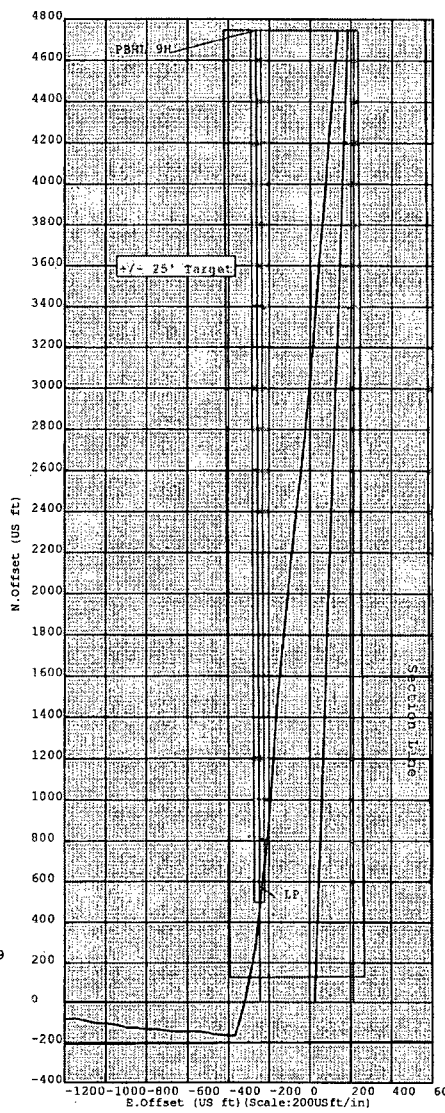
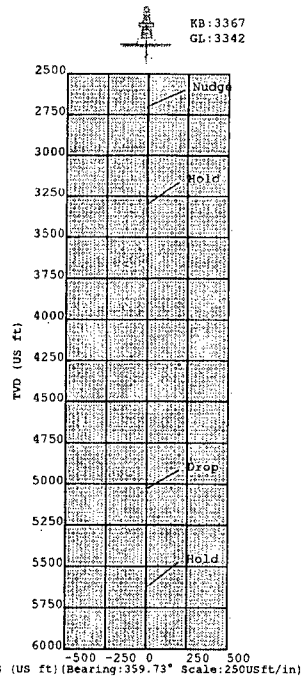
Slot: Bell Lake 19 State 9H.OPT  
Position:  
Offset is from Site centre  
+N/-S: -0.81USft Northing: 435972.62USft Latitude: 32.196467°  
+E/-W: -74.91USft Easting: 766694.06USft Longitude: -103.604799°  
Elevation Above VRD: 3542.00USft

Plan Data for Bell Lake 19 State 9H

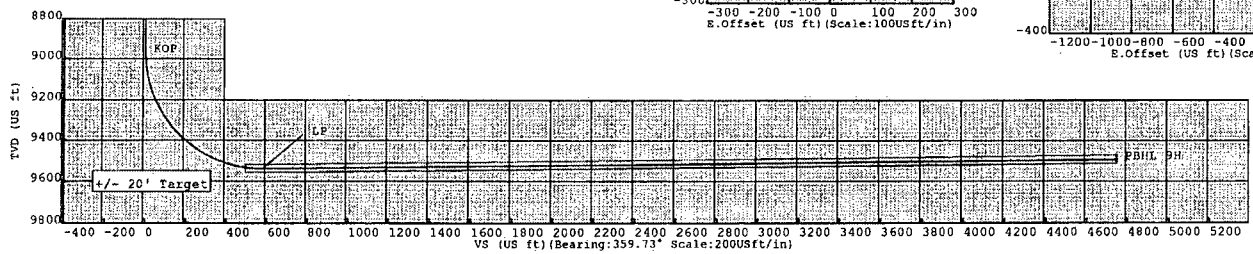
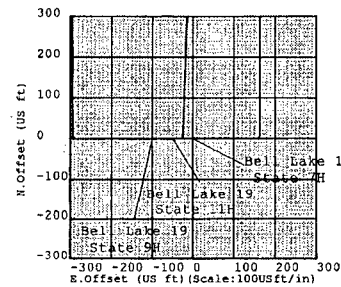
Well: Bell Lake 19 State 9H  
Type: Main-Well  
File Number:  
Plan Folder: P1 Plan: P1.V4  
Vertical Section: Position offset of origin from Slot centre:  
+N/-S: -0.00USft Azimuth: 359.73°  
+E/-W: -0.00USft  
Magnetic Parameters:  
Model: Field Strength: Declination: Dip: Date:  
BGGM: 48188(nT) 7.24° 60.10° 2015-10-30

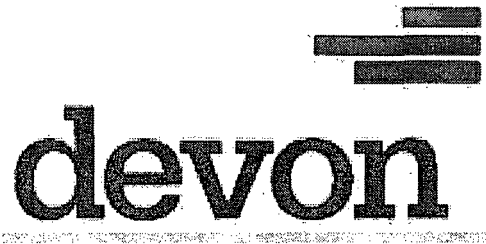
Plan Data for Bell Lake 19 State 9H

Target Set Information:  
Name: Bell Lake 19 State 9H  
Position offsets from Slot centre  
Name TVD Elevation +N/-S +E/-W Northing Easting  
(USft) (USft) (USft) (USft) (USft) (USft)  
PBHL 9H 9492.00 -5925.00 4745.04 -266.96 440717.66 766427.10



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





**5D Plan Report**

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**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 9H*  
**Plan:** *P1:V4*

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7 March 2016





**Bell Lake 19 State 9H**

**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:** 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 9H-OPT  
**Position (Relative to Site Centre)**  
**+N/-S:** -0.81US ft  
**Northing:** 435972.62US ft  
**Latitude:** 32°11'47.28"  
**+E/-W:** -74.91US ft  
**Easting:** 766694.06US ft  
**Longitude:** -103°36'17.28"  
**Slot TVD Reference:** Ground Elevation  
**Elevation above MSL:** 3542.00US ft  
**Comment:**

**Well:** Bell Lake 19 State 9H  
**Type:** Main well  
**UWI:**  
**Plan:** P1:V4  
**File Number:**  
**Comment:**  
**Closure Distance:** 4752.54US ft  
**Closure Azimuth:** 356.78°  
**Vertical Section: Position of Origin (Relative to Slot centre)**  
**+N/-S:** -0.00US ft  
**+E/-W:** -0.00US ft  
**Az:** 359.73°  
**Magnetic Parameters:**  
**Model:** BGGM  
**Field Strength:** 48188.0nT  
**Declination:** 7.24°  
**Dip:** 60.10°  
**Date:** 30/Oct/2015

**Drill floor: Plan: P1:V4**  
**Rig Height (Kelly Bushing):** Elevation above MSL: 25.00us ft  
**Inclination:** 0.00°  
**Azimuth:** 0.00°  
 3567.00us ft

Target set: Bell Lake 19 State 9H Comment:							
Target Name	Shape	TVD (US ft)	N Offset (US ft)	E Offset (US ft)	Northing (USft)	Easting (USft)	Comment
PBHL 9H	Cuboid	9492.00	4745.04	-266.96	440717.66	766427.10	

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

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
3300.00	6.00	270.00	3298.90	-0.00	-31.39	0.15	1.00	1.00	0.00	270.00	Hold
5040.00	6.00	270.00	5029.37	-0.00	-213.27	1.00	0.00	0.00	0.00	0.00	Drop
5640.00	0.00	0.00	5628.28	-0.00	-244.65	1.15	1.00	-1.00	0.00	180.00	Hold
8977.80	0.00	0.00	8966.08	-0.00	-244.65	1.15	0.00	0.00	0.00	0.00	KOP
9884.27	90.65	359.73	9539.00	579.42	-247.38	580.57	10.00	10.00	0.00	359.73	LP
14050.20	90.65	359.73	9492.00	4745.04	-266.96	4746.25	0.00	0.00	0.00	0.00	PBHL 9H

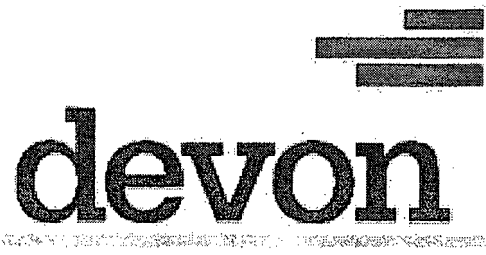
Interpolated Points: (Relative to Slot centre) (TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	-0.00	0.00	0.00	435972.62	-766694.06	
100.00	0.00	0.00	100.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
200.00	0.00	0.00	200.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
300.00	0.00	0.00	300.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
400.00	0.00	0.00	400.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
500.00	0.00	0.00	500.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
600.00	0.00	0.00	600.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
700.00	0.00	0.00	700.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
800.00	0.00	0.00	800.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
900.00	0.00	0.00	900.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1000.00	0.00	0.00	1000.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1100.00	0.00	0.00	1100.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1200.00	0.00	0.00	1200.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1300.00	0.00	0.00	1300.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1400.00	0.00	0.00	1400.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1500.00	0.00	0.00	1500.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1600.00	0.00	0.00	1600.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1700.00	0.00	0.00	1700.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1800.00	0.00	0.00	1800.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
1900.00	0.00	0.00	1900.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2000.00	0.00	0.00	2000.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2100.00	0.00	0.00	2100.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2200.00	0.00	0.00	2200.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2300.00	0.00	0.00	2300.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2400.00	0.00	0.00	2400.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2500.00	0.00	0.00	2500.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2600.00	0.00	0.00	2600.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	
2700.00	0.00	0.00	2700.00	-0.00	-0.00	0.00	0.00	435972.62	766694.06	Nudge
2800.00	1.00	270.00	2799.99	-0.00	-0.87	0.00	1.00	435972.62	766693.19	
2900.00	2.00	270.00	2899.96	-0.00	-3.49	0.02	1.00	435972.62	766690.57	
3000.00	3.00	270.00	2999.86	-0.00	-7.85	0.04	1.00	435972.62	766686.21	
3100.00	4.00	270.00	3099.68	-0.00	-13.96	0.07	1.00	435972.62	766680.10	
3200.00	5.00	270.00	3199.37	-0.00	-21.80	0.10	1.00	435972.62	766672.26	
3300.00	6.00	270.00	3298.90	-0.00	-31.39	0.15	1.00	435972.62	766662.67	Hold
3400.00	6.00	270.00	3398.36	-0.00	-41.84	0.20	0.00	435972.62	766652.22	
3500.00	6.00	270.00	3497.81	-0.00	-52.29	0.25	0.00	435972.62	766641.77	
3600.00	6.00	270.00	3597.26	-0.00	-62.75	0.30	0.00	435972.62	766631.31	
3700.00	6.00	270.00	3696.71	-0.00	-73.20	0.34	0.00	435972.62	766620.86	
3800.00	6.00	270.00	3796.16	-0.00	-83.65	0.39	0.00	435972.62	766610.41	
3900.00	6.00	270.00	3895.62	-0.00	-94.10	0.44	0.00	435972.62	766599.96	
4000.00	6.00	270.00	3995.07	-0.00	-104.56	0.49	0.00	435972.62	766589.50	
4100.00	6.00	270.00	4094.52	-0.00	-115.01	0.54	0.00	435972.62	766579.05	
4200.00	6.00	270.00	4193.97	-0.00	-125.46	0.59	0.00	435972.62	766568.60	
4300.00	6.00	270.00	4293.43	-0.00	-135.92	0.64	0.00	435972.62	766558.14	
4400.00	6.00	270.00	4392.88	-0.00	-146.37	0.69	0.00	435972.62	766547.69	
4500.00	6.00	270.00	4492.33	-0.00	-156.82	0.74	0.00	435972.62	766537.24	
4600.00	6.00	270.00	4591.78	-0.00	-167.27	0.79	0.00	435972.62	766526.79	

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	
4700.00	6.00	270.00	4691.23	-0.00	-177.73	0.84	0.00	435972.62	766516.33		
4800.00	6.00	270.00	4790.69	-0.00	-188.18	0.89	0.00	435972.62	766505.88		
4900.00	6.00	270.00	4890.14	-0.00	-198.63	0.94	0.00	435972.62	766495.43		
5000.00	6.00	270.00	4989.59	-0.00	-209.09	0.99	0.00	435972.62	766484.97		
5040.00	6.00	270.00	5029.37	-0.00	-213.27	1.00	0.00	435972.62	766480.79	Drop	
5100.00	5.40	270.00	5089.08	-0.00	-219.23	1.03	1.00	435972.62	766474.83		
5200.00	4.40	270.00	5188.71	-0.00	-227.77	1.07	1.00	435972.62	766466.29		
5300.00	3.40	270.00	5288.48	-0.00	-234.57	1.11	1.00	435972.62	766459.49		
5400.00	2.40	270.00	5388.35	-0.00	-239.63	1.13	1.00	435972.62	766454.43		
5500.00	1.40	270.00	5488.29	-0.00	-242.94	1.14	1.00	435972.62	766451.12		
5600.00	0.40	270.00	5588.28	-0.00	-244.51	1.15	1.00	435972.62	766449.55		
5640.00	0.00	0.00	5628.28	-0.00	-244.65	1.15	1.00	435972.62	766449.41	Hold	
5700.00	0.00	0.00	5688.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
5800.00	0.00	0.00	5788.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
5900.00	0.00	0.00	5888.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6000.00	0.00	0.00	5988.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6100.00	0.00	0.00	6088.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6200.00	0.00	0.00	6188.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6300.00	0.00	0.00	6288.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6400.00	0.00	0.00	6388.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6500.00	0.00	0.00	6488.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6600.00	0.00	0.00	6588.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6700.00	0.00	0.00	6688.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6800.00	0.00	0.00	6788.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
6900.00	0.00	0.00	6888.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7000.00	0.00	0.00	6988.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7100.00	0.00	0.00	7088.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7200.00	0.00	0.00	7188.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7300.00	0.00	0.00	7288.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7400.00	0.00	0.00	7388.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7500.00	0.00	0.00	7488.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7600.00	0.00	0.00	7588.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7700.00	0.00	0.00	7688.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7800.00	0.00	0.00	7788.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
7900.00	0.00	0.00	7888.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8000.00	0.00	0.00	7988.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8100.00	0.00	0.00	8088.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8200.00	0.00	0.00	8188.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8300.00	0.00	0.00	8288.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8400.00	0.00	0.00	8388.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8500.00	0.00	0.00	8488.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8600.00	0.00	0.00	8588.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8700.00	0.00	0.00	8688.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8800.00	0.00	0.00	8788.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8900.00	0.00	0.00	8888.28	-0.00	-244.65	1.15	0.00	435972.62	766449.41		
8977.80	0.00	0.00	8966.08	-0.00	-244.65	1.15	0.00	435972.62	766449.41	KOP	
9000.00	2.22	359.73	8988.27	0.43	-244.66	1.58	10.00	435973.05	766449.40		
9100.00	12.22	359.73	9087.35	12.98	-244.72	14.13	10.00	435985.60	766449.34		
9200.00	22.22	359.73	9182.75	42.55	-244.85	43.70	10.00	436015.17	766449.21		
9300.00	32.22	359.73	9271.56	88.23	-245.07	89.38	10.00	436060.85	766448.99		
9400.00	42.22	359.73	9351.09	148.64	-245.35	149.79	10.00	436121.26	766448.71		
9500.00	52.22	359.73	9418.93	221.94	-245.70	223.10	10.00	436194.56	766448.36		
9600.00	62.22	359.73	9473.00	305.91	-246.09	307.06	10.00	436278.53	766447.97		
9700.00	72.22	359.73	9511.67	397.99	-246.52	399.15	10.00	436370.61	766447.54		
9800.00	82.22	359.73	9533.76	495.39	-246.98	496.55	10.00	436468.01	766447.08		
9884.27	90.65	359.73	9539.00	579.42	-247.38	580.57	10.00	436552.04	766446.68	LP	
9900.00	90.65	359.73	9538.82	595.15	-247.45	596.31	0.00	436567.77	766446.61		
10000.00	90.65	359.73	9537.70	695.14	-247.92	696.30	0.00	436667.76	766446.14		
10100.00	90.65	359.73	9536.57	795.13	-248.39	796.29	0.00	436767.75	766445.67		

## 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 (°/1000US ft)	Northing (US ft)	Easting (US ft)	Comment
10200.00	90.65	359.73	9535.44	895.12	-248.86	896.29	0.00	436867.74	766445.20	
10300.00	90.65	359.73	9534.31	995.12	-249.33	996.28	0.00	436967.74	766444.73	
10400.00	90.65	359.73	9533.18	1095.11	-249.80	1096.27	0.00	437067.73	766444.26	
10500.00	90.65	359.73	9532.05	1195.10	-250.27	1196.27	0.00	437167.72	766443.79	
10600.00	90.65	359.73	9530.93	1295.09	-250.74	1296.26	0.00	437267.71	766443.32	
10700.00	90.65	359.73	9529.80	1395.09	-251.21	1396.25	0.00	437367.71	766442.85	
10800.00	90.65	359.73	9528.67	1495.08	-251.68	1496.25	0.00	437467.70	766442.38	
10900.00	90.65	359.73	9527.54	1595.07	-252.15	1596.24	0.00	437567.69	766441.91	
11000.00	90.65	359.73	9526.41	1695.06	-252.62	1696.24	0.00	437667.68	766441.44	
11100.00	90.65	359.73	9525.29	1795.06	-253.09	1796.23	0.00	437767.68	766440.97	
11200.00	90.65	359.73	9524.16	1895.05	-253.56	1896.22	0.00	437867.67	766440.50	
11300.00	90.65	359.73	9523.03	1995.04	-254.03	1996.22	0.00	437967.66	766440.03	
11400.00	90.65	359.73	9521.90	2095.03	-254.50	2096.21	0.00	438067.65	766439.56	
11500.00	90.65	359.73	9520.77	2195.03	-254.97	2196.20	0.00	438167.65	766439.09	
11600.00	90.65	359.73	9519.64	2295.02	-255.44	2296.20	0.00	438267.64	766438.62	
11700.00	90.65	359.73	9518.52	2395.01	-255.91	2396.19	0.00	438367.63	766438.15	
11800.00	90.65	359.73	9517.39	2495.00	-256.38	2496.18	0.00	438467.62	766437.68	
11900.00	90.65	359.73	9516.26	2595.00	-256.85	2596.18	0.00	438567.62	766437.21	
12000.00	90.65	359.73	9515.13	2694.99	-257.32	2696.17	0.00	438667.61	766436.74	
12100.00	90.65	359.73	9514.00	2794.98	-257.79	2796.17	0.00	438767.60	766436.27	
12200.00	90.65	359.73	9512.87	2894.97	-258.26	2896.16	0.00	438867.59	766435.80	
12300.00	90.65	359.73	9511.75	2994.97	-258.73	2996.15	0.00	438967.59	766435.33	
12400.00	90.65	359.73	9510.62	3094.96	-259.20	3096.15	0.00	439067.58	766434.86	
12500.00	90.65	359.73	9509.49	3194.95	-259.67	3196.14	0.00	439167.57	766434.39	
12600.00	90.65	359.73	9508.36	3294.94	-260.14	3296.13	0.00	439267.56	766433.92	
12700.00	90.65	359.73	9507.23	3394.94	-260.61	3396.13	0.00	439367.56	766433.45	
12800.00	90.65	359.73	9506.11	3494.93	-261.08	3496.12	0.00	439467.55	766432.98	
12900.00	90.65	359.73	9504.98	3594.92	-261.55	3596.11	0.00	439567.54	766432.51	
13000.00	90.65	359.73	9503.85	3694.91	-262.02	3696.11	0.00	439667.53	766432.04	
13100.00	90.65	359.73	9502.72	3794.91	-262.49	3796.10	0.00	439767.53	766431.57	
13200.00	90.65	359.73	9501.59	3894.90	-262.96	3896.10	0.00	439867.52	766431.10	
13300.00	90.65	359.73	9500.46	3994.89	-263.43	3996.09	0.00	439967.51	766430.63	
13400.00	90.65	359.73	9499.34	4094.88	-263.90	4096.08	0.00	440067.50	766430.16	
13500.00	90.65	359.73	9498.21	4194.88	-264.37	4196.08	0.00	440167.50	766429.69	
13600.00	90.65	359.73	9497.08	4294.87	-264.84	4296.07	0.00	440267.49	766429.22	
13700.00	90.65	359.73	9495.95	4394.86	-265.31	4396.06	0.00	440367.48	766428.75	
13800.00	90.65	359.73	9494.82	4494.85	-265.78	4496.06	0.00	440467.47	766428.28	
13900.00	90.65	359.73	9493.69	4594.85	-266.25	4596.05	0.00	440567.47	766427.81	
14000.00	90.65	359.73	9492.57	4694.84	-266.72	4696.04	0.00	440667.46	766427.34	
14050.20	90.65	359.73	9492.00	4745.04	-266.96	4746.25	0.00	440717.66	766427.10	PBHL 9H



**5D Anti-Collision Report**

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**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 9H*

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7 March 2016





**Bell Lake 19 State 9H**

**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:** 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 9H OPT  
**Position (Relative to Site Centre)**  
**+N/-S:** -0.81US ft  
**Northing:** 435972.62US ft  
**Latitude:** 32°11'47.28"  
**+E/-W:** -74.91US ft  
**Easting:** 766694.06US ft  
**Longitude:** -103°36'17.28"  
**Slot TVD Reference:** Ground Elevation  
**Elevation above MSL:** 3542.00US ft  
**Comment:**

**Well:** Bell Lake 19 State 9H  
**Type:** Main well  
**UWI:**  
**Plan:** Working Plan  
**File Number:**  
**Comment:**  
**Closure Distance:** 4752.54US ft  
**Closure Azimuth:** 356.78°  
**Vertical Section: Position of Origin (Relative to Slot centre)**  
**+N/-S:** -0.00US ft  
**+E/-W:** -0.00US ft  
**Az:** 359.73°  
**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):** Elevation above MSL: 25.00us ft  
**Inclination:** 0.00°  
**Azimuth:** 0.00°  
**3567.00us ft**

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 9H (p)	0.00	25000.00	100.00	2

**Secondary Well Names:**  
 Bell Lake 19 State 11H (p)  
 Bell Lake 19 State 7H (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)**

SF	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	12.49	24.96	2.00	SF(Lo)
	Bell Lake 19 State 7H (p)	14050.20	9492.00	14136.51	330.96	502.27	2.93	

**Primary Well: Bell Lake 19 State 9H (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	89.08	0.00	0.00	0.00	Bell Lake 19 State 11H (p)	24.40	24.96	44.05	
100.00	100.00	89.08	0.11	0.11	4.60	Bell Lake 19 State 11H (p)	24.18	24.96	31.71	
200.00	200.00	89.08	0.34	0.34	4.62	Bell Lake 19 State 11H (p)	23.73	24.96	20.18	
300.00	300.00	89.08	0.56	0.56	4.65	Bell Lake 19 State 11H (p)	23.28	24.96	14.80	
400.00	400.00	89.08	0.79	0.79	4.70	Bell Lake 19 State 11H (p)	22.83	24.96	11.69	
500.00	500.00	89.08	1.01	1.01	4.75	Bell Lake 19 State 11H (p)	22.38	24.96	9.66	
600.00	600.00	89.08	1.24	1.24	4.82	Bell Lake 19 State 11H (p)	21.93	24.96	8.23	
700.00	700.00	89.08	1.46	1.46	4.89	Bell Lake 19 State 11H (p)	21.48	24.96	7.16	
800.00	800.00	89.08	1.69	1.69	4.98	Bell Lake 19 State 11H (p)	21.03	24.96	6.35	
900.00	900.00	89.08	1.91	1.91	5.07	Bell Lake 19 State 11H (p)	20.58	24.96	5.69	
1000.00	1000.00	89.08	2.14	2.14	5.17	Bell Lake 19 State 11H (p)	20.13	24.96	5.17	
1100.00	1100.00	89.08	2.36	2.36	5.28	Bell Lake 19 State 11H (p)	19.68	24.96	4.73	
1200.00	1200.00	89.08	2.59	2.59	5.39	Bell Lake 19 State 11H (p)	19.23	24.96	4.36	
1300.00	1300.00	89.08	2.81	2.81	5.51	Bell Lake 19 State 11H (p)	18.78	24.96	4.04	
1400.00	1400.00	89.08	3.03	3.03	5.64	Bell Lake 19 State 11H (p)	18.33	24.96	3.76	
1500.00	1500.00	89.08	3.26	3.26	5.77	Bell Lake 19 State 11H (p)	17.88	24.96	3.53	
1600.00	1600.00	89.08	3.48	3.48	5.90	Bell Lake 19 State 11H (p)	17.43	24.96	3.32	
1700.00	1700.00	89.08	3.71	3.71	6.04	Bell Lake 19 State 11H (p)	16.98	24.96	3.13	
1800.00	1800.00	89.08	3.93	3.93	6.19	Bell Lake 19 State 11H (p)	16.53	24.96	2.96	
1900.00	1900.00	89.08	4.16	4.16	6.34	Bell Lake 19 State 11H (p)	16.08	24.96	2.81	

## 5D Anti-Collision Report

Primary Well: Bell Lake 19 State 9H (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
2000.00	2000.00	89.08	4.38	4.38	6.49	Bell Lake 19 State 11H (p)	15.64	24.96	2.68	
2100.00	2100.00	89.08	4.61	4.61	6.64	Bell Lake 19 State 11H (p)	15.19	24.96	2.55	
2200.00	2200.00	89.08	4.83	4.83	6.80	Bell Lake 19 State 11H (p)	14.74	24.96	2.44	SF(Lo)
2300.00	2300.00	89.08	5.06	5.06	6.96	Bell Lake 19 State 11H (p)	14.29	24.96	2.34	SF(Lo)
2400.00	2400.00	89.08	5.28	5.28	7.12	Bell Lake 19 State 11H (p)	13.84	24.96	2.24	SF(Lo)
2500.00	2500.00	89.08	5.51	5.51	7.29	Bell Lake 19 State 11H (p)	13.39	24.96	2.16	SF(Lo)
2600.00	2600.00	89.08	5.73	5.73	7.46	Bell Lake 19 State 11H (p)	12.94	24.96	2.08	SF(Lo)
2700.00	2700.00	89.08	5.96	5.96	7.63	Bell Lake 19 State 11H (p)	12.49	24.96	2.00	SF(Lo)
2800.00	2799.99	179.11	6.17	6.17	7.80	Bell Lake 19 State 11H (p)	12.94	25.84	2.00	SF(Lo)
2900.00	2899.96	179.19	6.37	6.36	7.98	Bell Lake 19 State 11H (p)	15.13	28.45	2.14	SF(Lo)
3000.00	2999.86	179.30	6.57	6.56	8.15	Bell Lake 19 State 11H (p)	19.06	32.81	2.39	SF(Lo)
3100.00	3099.68	179.41	6.77	6.75	8.33	Bell Lake 19 State 11H (p)	24.74	38.92	2.74	
3200.00	3199.37	179.51	6.99	6.95	8.51	Bell Lake 19 State 11H (p)	32.15	46.76	3.20	
3300.00	3298.90	179.59	7.20	7.15	8.69	Bell Lake 19 State 11H (p)	41.31	56.35	3.75	
3400.00	3398.36	179.66	7.43	7.35	8.88	Bell Lake 19 State 11H (p)	51.33	66.80	4.32	
3500.00	3497.81	179.70	7.66	7.56	9.07	Bell Lake 19 State 11H (p)	61.36	77.25	4.86	
3600.00	3597.26	179.74	7.89	7.77	9.27	Bell Lake 19 State 11H (p)	71.38	87.71	5.37	
3700.00	3696.71	179.77	8.13	7.98	9.46	Bell Lake 19 State 11H (p)	81.40	98.16	5.86	
3800.00	3796.16	179.79	8.37	8.19	9.66	Bell Lake 19 State 11H (p)	91.41	108.61	6.32	
3900.00	3895.62	179.81	8.61	8.41	9.87	Bell Lake 19 State 11H (p)	101.43	119.06	6.75	
4000.00	3995.07	179.82	8.86	8.62	10.07	Bell Lake 19 State 11H (p)	111.45	129.52	7.17	
4100.00	4094.52	179.84	9.11	8.84	10.28	Bell Lake 19 State 11H (p)	121.46	139.97	7.56	
4200.00	4193.97	179.85	9.36	9.05	10.49	Bell Lake 19 State 11H (p)	131.47	150.42	7.94	
4300.00	4293.43	179.86	9.62	9.27	10.71	Bell Lake 19 State 11H (p)	141.49	160.88	8.30	
4400.00	4392.88	179.87	9.88	9.49	10.93	Bell Lake 19 State 11H (p)	151.50	171.33	8.64	
4500.00	4492.33	179.87	10.14	9.71	11.15	Bell Lake 19 State 11H (p)	161.51	181.78	8.97	

## 5D Anti-Collision Report

Primary Well: Bell Lake 19 State 9H (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	4591.78	179.88	10.40	9.93	11.37	Bell Lake 19 State 11H (p)	171.52	192.23	9.28	
4700.00	4691.23	179.89	10.66	10.15	11.60	Bell Lake 19 State 11H (p)	181.53	202.69	9.58	
4800.00	4790.69	179.89	10.92	10.38	11.83	Bell Lake 19 State 11H (p)	191.54	213.14	9.87	
4900.00	4890.14	179.90	11.19	10.60	12.07	Bell Lake 19 State 11H (p)	201.55	223.59	10.14	
5000.00	4989.59	179.90	11.46	10.82	12.30	Bell Lake 19 State 11H (p)	211.55	234.05	10.41	
5100.00	5089.08	179.91	11.71	11.04	12.55	Bell Lake 19 State 11H (p)	221.26	244.19	10.65	
5200.00	5188.71	179.91	11.93	11.24	12.79	Bell Lake 19 State 11H (p)	229.38	252.73	10.82	
5300.00	5288.48	179.91	12.14	11.44	13.04	Bell Lake 19 State 11H (p)	235.76	259.53	10.92	
5400.00	5388.35	179.91	12.34	11.64	13.30	Bell Lake 19 State 11H (p)	240.40	264.59	10.94	
5500.00	5488.29	179.91	12.53	11.83	13.55	Bell Lake 19 State 11H (p)	243.30	267.90	10.89	
5600.00	5588.28	179.91	12.72	12.02	13.81	Bell Lake 19 State 11H (p)	244.45	269.47	10.77	
5700.00	5688.28	89.91	12.91	12.22	14.08	Bell Lake 19 State 11H (p)	244.17	269.61	10.59	
5800.00	5788.28	89.91	13.12	12.43	14.34	Bell Lake 19 State 11H (p)	243.72	269.61	10.41	
5900.00	5888.28	89.91	13.33	12.65	14.62	Bell Lake 19 State 11H (p)	243.28	269.61	10.24	
6000.00	5988.28	89.91	13.54	12.87	14.89	Bell Lake 19 State 11H (p)	242.84	269.61	10.07	
6100.00	6088.28	89.91	13.75	13.09	15.17	Bell Lake 19 State 11H (p)	242.40	269.61	9.91	
6200.00	6188.28	89.91	13.95	13.30	15.46	Bell Lake 19 State 11H (p)	241.95	269.61	9.75	
6300.00	6288.28	89.91	14.17	13.52	15.74	Bell Lake 19 State 11H (p)	241.51	269.61	9.59	
6400.00	6388.28	89.91	14.38	13.74	16.04	Bell Lake 19 State 11H (p)	241.07	269.61	9.44	
6500.00	6488.28	89.91	14.59	13.96	16.34	Bell Lake 19 State 11H (p)	240.62	269.61	9.30	
6600.00	6588.28	89.91	14.80	14.18	16.64	Bell Lake 19 State 11H (p)	240.18	269.61	9.16	
6700.00	6688.28	89.91	15.01	14.40	16.95	Bell Lake 19 State 11H (p)	239.74	269.61	9.02	
6800.00	6788.28	89.91	15.22	14.62	17.26	Bell Lake 19 State 11H (p)	239.29	269.61	8.89	
6900.00	6888.28	89.91	15.43	14.84	17.58	Bell Lake 19 State 11H (p)	238.85	269.61	8.76	
7000.00	6988.28	89.91	15.65	15.06	17.90	Bell Lake 19 State 11H (p)	238.40	269.61	8.64	
7100.00	7088.28	89.91	15.86	15.28	18.23	Bell Lake 19 State 11H (p)	237.96	269.61	8.52	

## 5D Anti-Collision Report

Primary Well: Bell Lake 19 State 9H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	T Face to Set (°)	S. Major (US ft)	S. Minor (US ft)	TVD Spread (US ft)	Nearest Well	ES (US ft)	CG (US ft)	SF	Risk
7200.00	7188.28	89.91	16.07	15.50	18.56	Bell Lake 19 State 11H (p)	237.51	269.61	8.40	
7300.00	7288.28	89.91	16.29	15.72	18.90	Bell Lake 19 State 11H (p)	237.07	269.61	8.28	
7400.00	7388.28	89.91	16.50	15.94	19.24	Bell Lake 19 State 11H (p)	236.62	269.61	8.17	
7500.00	7488.28	89.91	16.72	16.16	19.59	Bell Lake 19 State 11H (p)	236.18	269.61	8.06	
7600.00	7588.28	89.91	16.93	16.38	19.94	Bell Lake 19 State 11H (p)	235.73	269.61	7.96	
7700.00	7688.28	89.91	17.15	16.60	20.30	Bell Lake 19 State 11H (p)	235.29	269.61	7.85	
7800.00	7788.28	89.91	17.36	16.82	20.67	Bell Lake 19 State 11H (p)	234.84	269.61	7.75	
7900.00	7888.28	89.91	17.58	17.04	21.04	Bell Lake 19 State 11H (p)	234.40	269.61	7.66	
8000.00	7988.28	89.91	17.79	17.26	21.41	Bell Lake 19 State 11H (p)	233.95	269.61	7.56	
8100.00	8088.28	89.91	18.01	17.48	21.79	Bell Lake 19 State 11H (p)	233.51	269.61	7.47	
8200.00	8188.28	89.91	18.23	17.70	22.18	Bell Lake 19 State 11H (p)	233.06	269.61	7.38	
8300.00	8288.28	89.91	18.44	17.92	22.57	Bell Lake 19 State 11H (p)	232.61	269.61	7.29	
8400.00	8388.28	89.91	18.66	18.14	22.96	Bell Lake 19 State 11H (p)	232.17	269.61	7.20	
8500.00	8488.28	89.91	18.87	18.37	23.37	Bell Lake 19 State 11H (p)	231.72	269.61	7.12	
8600.00	8588.28	89.91	19.09	18.59	23.77	Bell Lake 19 State 11H (p)	231.28	269.61	7.03	
8700.00	8688.28	89.81	19.31	18.81	24.19	Bell Lake 19 State 11H (p)	230.89	269.63	6.96	
8800.00	8788.28	87.24	19.53	19.03	24.61	Bell Lake 19 State 11H (p)	231.24	270.39	6.91	
8900.00	8888.28	81.88	19.74	19.25	25.03	Bell Lake 19 State 11H (p)	234.76	274.24	6.95	
9000.00	8988.27	75.04	19.95	19.47	25.46	Bell Lake 19 State 11H (p)	245.61	285.12	7.22	
9100.00	9087.35	67.37	19.91	19.69	25.88	Bell Lake 19 State 11H (p)	262.97	302.50	7.65	
9200.00	9182.75	60.86	19.90	19.52	26.27	Bell Lake 19 State 11H (p)	284.05	323.01	8.29	
9300.00	9271.56	55.58	20.13	18.81	26.62	Bell Lake 19 State 11H (p)	305.90	344.36	8.95	
9400.00	9351.09	51.44	20.40	17.86	26.92	Bell Lake 19 State 11H (p)	327.06	364.79	9.67	
9500.00	9418.93	48.32	20.74	16.77	27.19	Bell Lake 19 State 11H (p)	345.78	383.01	10.29	
9600.00	9473.00	46.10	21.18	15.68	27.45	Bell Lake 19 State 11H (p)	361.22	398.13	10.79	
9700.00	9511.67	100.83	21.73	14.78	27.72	Bell Lake 19 State 7H (p)	424.17	467.69	10.75	

## 5D Anti-Collision Report

Primary Well: Bell Lake 19 State 9H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)										
MD (US ft)	TVD (US ft)	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	9533.76	101.32	22.40	14.22	28.02	Bell Lake 19 State 7H (p)	424.18	468.98	10.47	
9900.00	9538.82	101.44	23.18	14.16	28.37	Bell Lake 19 State 7H (p)	423.27	469.72	10.11	
10000.00	9537.70	101.59	24.06	14.36	28.78	Bell Lake 19 State 7H (p)	422.37	470.45	9.78	
10100.00	9536.57	101.73	25.05	14.60	29.25	Bell Lake 19 State 7H (p)	421.17	471.18	9.42	
10200.00	9535.44	101.88	26.12	14.87	29.79	Bell Lake 19 State 7H (p)	419.84	471.91	9.06	
10300.00	9534.31	102.02	27.28	15.17	30.39	Bell Lake 19 State 7H (p)	418.38	472.65	8.71	
10400.00	9533.18	102.17	28.50	15.50	31.05	Bell Lake 19 State 7H (p)	416.81	473.38	8.37	
10500.00	9532.05	102.31	29.79	15.86	31.77	Bell Lake 19 State 7H (p)	415.10	474.13	8.03	
10600.00	9530.93	102.46	31.13	16.24	32.53	Bell Lake 19 State 7H (p)	413.27	474.87	7.71	
10700.00	9529.80	102.60	32.52	16.65	33.34	Bell Lake 19 State 7H (p)	411.37	475.62	7.40	
10800.00	9528.67	102.74	33.95	17.07	34.20	Bell Lake 19 State 7H (p)	409.39	476.37	7.11	
10900.00	9527.54	102.88	35.42	17.52	35.09	Bell Lake 19 State 7H (p)	407.31	477.12	6.83	
11000.00	9526.41	103.03	36.92	17.99	36.02	Bell Lake 19 State 7H (p)	405.16	477.88	6.57	
11100.00	9525.29	103.17	38.44	18.47	36.99	Bell Lake 19 State 7H (p)	402.97	478.63	6.33	
11200.00	9524.16	103.31	40.00	18.97	37.99	Bell Lake 19 State 7H (p)	400.74	479.40	6.09	
11300.00	9523.03	103.45	41.57	19.49	39.02	Bell Lake 19 State 7H (p)	398.47	480.16	5.88	
11400.00	9521.90	103.59	43.17	20.02	40.08	Bell Lake 19 State 7H (p)	396.17	480.93	5.67	
11500.00	9520.77	103.73	44.78	20.56	41.16	Bell Lake 19 State 7H (p)	393.86	481.70	5.48	
11600.00	9519.64	103.87	46.41	21.11	42.26	Bell Lake 19 State 7H (p)	391.44	482.47	5.30	
11700.00	9518.52	104.00	48.05	21.68	43.39	Bell Lake 19 State 7H (p)	389.07	483.25	5.13	
11800.00	9517.39	104.14	49.71	22.25	44.53	Bell Lake 19 State 7H (p)	386.69	484.03	4.97	
11900.00	9516.26	104.28	51.38	22.83	45.70	Bell Lake 19 State 7H (p)	384.28	484.81	4.82	
12000.00	9515.13	104.42	53.05	23.42	46.88	Bell Lake 19 State 7H (p)	381.86	485.59	4.68	
12100.00	9514.00	104.55	54.74	24.02	48.08	Bell Lake 19 State 7H (p)	379.42	486.38	4.55	
12200.00	9512.87	104.69	56.44	24.63	49.29	Bell Lake 19 State 7H (p)	376.97	487.17	4.42	
12300.00	9511.75	104.83	58.14	25.24	50.51	Bell Lake 19 State 7H (p)	374.52	487.96	4.30	
12400.00	9510.62	104.96	59.86	25.86	51.75	Bell Lake 19 State 7H (p)	372.05	488.76	4.19	
12500.00	9509.49	105.10	61.58	26.49	53.00	Bell Lake 19 State 7H (p)	369.58	489.56	4.08	
12600.00	9508.36	105.23	63.30	27.12	54.26	Bell Lake 19 State 7H (p)	367.10	490.36	3.98	
12700.00	9507.23	105.36	65.03	27.75	55.53	Bell Lake 19 State 7H (p)	364.61	491.16	3.88	
12800.00	9506.11	105.50	66.77	28.39	56.81	Bell Lake 19 State 7H (p)	362.13	491.97	3.79	
12900.00	9504.98	105.63	68.51	29.04	58.10	Bell Lake 19 State 7H (p)	359.64	492.78	3.70	
13000.00	9503.85	105.76	70.25	29.69	59.39	Bell Lake 19 State 7H (p)	357.14	493.59	3.62	
13100.00	9502.72	105.90	72.00	30.34	60.70	Bell Lake 19 State 7H (p)	354.65	494.40	3.54	
13200.00	9501.59	106.03	73.75	31.00	62.01	Bell Lake 19 State 7H (p)	352.15	495.22	3.46	
13300.00	9500.46	106.16	75.51	31.66	63.33	Bell Lake 19 State 7H (p)	349.66	496.04	3.39	

SD Anti-Collision Report

Primary Well: Bell Lake 19 State 9H (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
13400.00	9499.34	106.29	77.27	32.32	64.66	Bell Lake 19 State 7H (p)	347.16	496.86	3.32	
13500.00	9498.21	106.42	79.03	32.99	65.99	Bell Lake 19 State 7H (p)	344.67	497.68	3.25	
13600.00	9497.08	106.55	80.80	33.65	67.32	Bell Lake 19 State 7H (p)	342.17	498.51	3.19	
13700.00	9495.95	106.68	82.57	34.33	68.66	Bell Lake 19 State 7H (p)	339.68	499.34	3.13	
13800.00	9494.82	106.81	84.34	35.00	70.01	Bell Lake 19 State 7H (p)	337.18	500.17	3.07	
13900.00	9493.69	106.94	86.11	35.68	71.36	Bell Lake 19 State 7H (p)	334.69	501.01	3.01	
14000.00	9492.57	107.07	87.89	36.35	72.72	Bell Lake 19 State 7H (p)	332.21	501.85	2.96	
14050.20	9492.00	107.13	88.78	36.70	73.40	Bell Lake 19 State 7H (p)	330.96	502.27	2.93	

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
0.00	0.00	0.00	89.08	0.00	0.00	0.00	24.40	24.96	44.05	
100.00	100.00	100.00	89.08	0.11	0.11	4.60	24.18	24.96	31.71	
200.00	200.00	200.00	89.08	0.34	0.34	4.62	23.73	24.96	20.18	
300.00	300.00	300.00	89.08	0.56	0.56	4.65	23.28	24.96	14.80	
400.00	400.00	400.00	89.08	0.79	0.79	4.70	22.83	24.96	11.69	
500.00	500.00	500.00	89.08	1.01	1.01	4.75	22.38	24.96	9.66	
600.00	600.00	600.00	89.08	1.24	1.24	4.82	21.93	24.96	8.23	
700.00	700.00	700.00	89.08	1.46	1.46	4.89	21.48	24.96	7.16	
800.00	800.00	800.00	89.08	1.69	1.69	4.98	21.03	24.96	6.35	
900.00	900.00	900.00	89.08	1.91	1.91	5.07	20.58	24.96	5.69	
1000.00	1000.00	1000.00	89.08	2.14	2.14	5.17	20.13	24.96	5.17	
1100.00	1100.00	1100.00	89.08	2.36	2.36	5.28	19.68	24.96	4.73	
1200.00	1200.00	1200.00	89.08	2.59	2.59	5.39	19.23	24.96	4.36	
1300.00	1300.00	1300.00	89.08	2.81	2.81	5.51	18.78	24.96	4.04	
1400.00	1400.00	1400.00	89.08	3.03	3.03	5.64	18.33	24.96	3.76	
1500.00	1500.00	1500.00	89.08	3.26	3.26	5.77	17.88	24.96	3.53	
1600.00	1600.00	1600.00	89.08	3.48	3.48	5.90	17.43	24.96	3.32	
1700.00	1700.00	1700.00	89.08	3.71	3.71	6.04	16.98	24.96	3.13	
1800.00	1800.00	1800.00	89.08	3.93	3.93	6.19	16.53	24.96	2.96	
1900.00	1900.00	1900.00	89.08	4.16	4.16	6.34	16.08	24.96	2.81	
2000.00	2000.00	2000.00	89.08	4.38	4.38	6.49	15.64	24.96	2.68	
2100.00	2100.00	2100.00	89.08	4.61	4.61	6.64	15.19	24.96	2.55	
2200.00	2200.00	2200.00	89.08	4.83	4.83	6.80	14.74	24.96	2.44	SF(Lo)
2300.00	2300.00	2300.00	89.08	5.06	5.06	6.96	14.29	24.96	2.34	SF(Lo)
2400.00	2400.00	2400.00	89.08	5.28	5.28	7.12	13.84	24.96	2.24	SF(Lo)
2500.00	2500.00	2500.00	89.08	5.51	5.51	7.29	13.39	24.96	2.16	SF(Lo)
2600.00	2600.00	2600.00	89.08	5.73	5.73	7.46	12.94	24.96	2.08	SF(Lo)
2700.00	2700.00	2700.00	89.08	5.96	5.96	7.63	12.49	24.96	2.00	SF(Lo)
2800.00	2799.99	2799.99	179.11	6.18	6.18	7.80	12.94	25.84	2.00	SF(Lo)
2900.00	2899.96	2899.96	179.19	6.41	6.41	7.98	15.13	28.45	2.14	SF(Lo)
3000.00	2999.86	2999.86	179.30	6.63	6.63	8.16	19.06	32.81	2.39	SF(Lo)
3100.00	3099.68	3099.68	179.41	6.86	6.86	8.34	24.74	38.92	2.74	
3200.00	3199.37	3199.37	179.51	7.08	7.08	8.52	32.15	46.76	3.20	
3300.00	3298.90	3298.90	179.59	7.30	7.30	8.70	41.31	56.35	3.75	
3400.00	3398.36	3398.36	179.66	7.53	7.53	8.89	51.33	66.80	4.32	
3500.00	3497.81	3497.81	179.70	7.75	7.75	9.08	61.36	77.25	4.86	
3600.00	3597.26	3597.26	179.74	7.97	7.97	9.28	71.38	87.71	5.37	
3700.00	3696.71	3696.71	179.77	8.20	8.20	9.47	81.40	98.16	5.86	
3800.00	3796.16	3796.16	179.79	8.42	8.42	9.67	91.41	108.61	6.32	
3900.00	3895.62	3895.62	179.81	8.64	8.64	9.87	101.43	119.06	6.75	
4000.00	3995.07	3995.07	179.82	8.87	8.87	10.07	111.45	129.52	7.17	
4100.00	4094.52	4094.52	179.84	9.09	9.09	10.28	121.46	139.97	7.56	

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
4200.00	4193.97	4193.97	179.85	9.32	9.32	10.49	131.47	150.42	7.94	
4300.00	4293.43	4293.43	179.86	9.54	9.54	10.70	141.49	160.88	8.30	
4400.00	4392.88	4392.88	179.87	9.76	9.76	10.92	151.50	171.33	8.64	
4500.00	4492.33	4492.33	179.87	9.99	9.99	11.13	161.51	181.78	8.97	
4600.00	4591.78	4591.78	179.88	10.21	10.21	11.36	171.52	192.23	9.28	
4700.00	4691.23	4691.23	179.89	10.43	10.43	11.58	181.53	202.69	9.58	
4800.00	4790.69	4790.69	179.89	10.66	10.66	11.81	191.54	213.14	9.87	
4900.00	4890.14	4890.14	179.90	10.88	10.88	12.04	201.55	223.59	10.14	
5000.00	4989.59	4989.59	179.90	11.10	11.10	12.28	211.55	234.05	10.41	
5100.00	5089.08	5089.08	179.91	11.33	11.33	12.51	221.26	244.19	10.65	
5200.00	5188.71	5188.71	179.91	11.55	11.55	12.76	229.38	252.73	10.82	
5300.00	5288.48	5288.48	179.91	11.78	11.78	13.01	235.76	259.53	10.92	
5400.00	5388.35	5388.35	179.91	12.00	12.00	13.26	240.40	264.59	10.94	
5500.00	5488.29	5488.29	179.91	12.22	12.22	13.51	243.30	267.90	10.89	
5600.00	5588.28	5588.28	179.91	12.45	12.45	13.77	244.45	269.47	10.77	
5700.00	5688.28	5688.28	89.91	12.67	12.67	14.04	244.17	269.61	10.59	
5800.00	5788.28	5788.28	89.91	12.90	12.90	14.30	243.72	269.61	10.41	
5900.00	5888.28	5888.28	89.91	13.12	13.12	14.57	243.28	269.61	10.24	
6000.00	5988.28	5988.28	89.91	13.35	13.35	14.85	242.84	269.61	10.07	
6100.00	6088.28	6088.28	89.91	13.57	13.57	15.13	242.40	269.61	9.91	
6200.00	6188.28	6188.28	89.91	13.80	13.80	15.42	241.95	269.61	9.75	
6300.00	6288.28	6288.28	89.91	14.02	14.02	15.71	241.51	269.61	9.59	
6400.00	6388.28	6388.28	89.91	14.25	14.25	16.00	241.07	269.61	9.44	
6500.00	6488.28	6488.28	89.91	14.47	14.47	16.30	240.62	269.61	9.30	
6600.00	6588.28	6588.28	89.91	14.70	14.70	16.60	240.18	269.61	9.16	
6700.00	6688.28	6688.28	89.91	14.92	14.92	16.91	239.74	269.61	9.02	
6800.00	6788.28	6788.28	89.91	15.15	15.15	17.23	239.29	269.61	8.89	
6900.00	6888.28	6888.28	89.91	15.37	15.37	17.54	238.85	269.61	8.76	
7000.00	6988.28	6988.28	89.91	15.60	15.60	17.87	238.40	269.61	8.64	
7100.00	7088.28	7088.28	89.91	15.82	15.82	18.20	237.96	269.61	8.52	
7200.00	7188.28	7188.28	89.91	16.05	16.05	18.53	237.51	269.61	8.40	
7300.00	7288.28	7288.28	89.91	16.27	16.27	18.87	237.07	269.61	8.28	
7400.00	7388.28	7388.28	89.91	16.50	16.50	19.21	236.62	269.61	8.17	
7500.00	7488.28	7488.28	89.91	16.72	16.72	19.56	236.18	269.61	8.06	
7600.00	7588.28	7588.28	89.91	16.94	16.94	19.91	235.73	269.61	7.96	
7700.00	7688.28	7688.28	89.91	17.17	17.17	20.27	235.29	269.61	7.85	
7800.00	7788.28	7788.28	89.91	17.39	17.39	20.64	234.84	269.61	7.75	
7900.00	7888.28	7888.28	89.91	17.62	17.62	21.01	234.40	269.61	7.66	
8000.00	7988.28	7988.28	89.91	17.84	17.84	21.38	233.95	269.61	7.56	
8100.00	8088.28	8088.28	89.91	18.07	18.07	21.76	233.51	269.61	7.47	
8200.00	8188.28	8188.28	89.91	18.29	18.29	22.15	233.06	269.61	7.38	
8300.00	8288.28	8288.28	89.91	18.52	18.52	22.54	232.61	269.61	7.29	
8400.00	8388.28	8388.28	89.91	18.74	18.74	22.94	232.17	269.61	7.20	
8500.00	8488.28	8488.28	89.91	18.97	18.97	23.34	231.72	269.61	7.12	
8600.00	8588.28	8588.28	89.91	19.19	19.19	23.75	231.28	269.61	7.03	
8700.00	8687.87	8687.87	89.81	19.42	19.41	24.16	230.89	269.63	6.96	
8800.00	8783.59	8784.47	87.24	19.63	19.37	24.55	231.24	270.39	6.91	
8900.00	8869.94	8874.64	81.88	19.82	19.03	24.88	234.76	274.24	6.95	
9000.00	8942.93	8955.31	75.04	20.00	18.49	25.15	245.61	285.12	7.22	
9100.00	9005.91	9030.35	67.37	20.18	17.84	25.37	262.97	302.50	7.65	
9200.00	9061.04	9102.63	60.86	20.38	17.09	25.57	284.05	323.01	8.29	
9300.00	9108.54	9172.80	55.58	20.62	16.31	25.74	305.90	344.36	8.95	
9400.00	9148.53	9241.38	51.44	20.89	15.52	25.91	327.06	364.79	9.67	
9500.00	9181.07	9308.76	48.32	21.20	14.80	26.07	345.78	383.01	10.29	
9600.00	9206.19	9375.27	46.10	21.56	14.18	26.25	361.22	398.13	10.79	
9700.00	9223.89	9441.18	44.69	21.97	13.72	26.44	372.74	409.54	11.13	
9800.00	9234.15	9506.74	44.00	22.41	13.46	26.64	379.80	416.85	11.25	
9900.00	9236.96	9573.92	44.01	22.92	13.43	26.87	382.23	420.03	11.11	

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
10000.00	9236.12	9673.85	44.41	23.78	13.64	27.28	383.40	422.47	10.81	
10100.00	9235.28	9773.78	44.80	24.73	13.87	27.75	384.35	424.93	10.47	
10200.00	9234.44	9873.71	45.19	25.78	14.14	28.30	385.20	427.41	10.13	
10300.00	9233.60	9973.63	45.57	26.90	14.45	28.90	385.94	429.91	9.78	
10400.00	9232.77	10073.56	45.95	28.10	14.78	29.57	386.59	432.43	9.43	
10500.00	9231.93	10173.49	46.33	29.36	15.14	30.29	387.14	434.97	9.09	
10600.00	9231.09	10273.42	46.70	30.68	15.53	31.07	387.62	437.53	8.77	
10700.00	9230.25	10373.34	47.06	32.05	15.94	31.89	388.01	440.10	8.45	
10800.00	9229.41	10473.27	47.42	33.46	16.38	32.76	388.30	442.69	8.14	
10900.00	9228.57	10573.20	47.78	34.91	16.83	33.67	388.51	445.30	7.84	
11000.00	9227.74	10673.13	48.14	36.39	17.31	34.62	388.65	447.93	7.56	
11100.00	9226.90	10773.05	48.49	37.90	17.80	35.60	388.70	450.57	7.28	
11200.00	9226.06	10872.98	48.83	39.43	18.31	36.62	388.71	453.24	7.02	
11300.00	9225.22	10972.91	49.17	40.99	18.83	37.66	388.67	455.91	6.78	
11400.00	9224.38	11072.84	49.51	42.57	19.37	38.73	388.61	458.60	6.55	
11500.00	9223.55	11172.76	49.84	44.17	19.92	39.83	388.51	461.31	6.34	
11600.00	9222.71	11272.69	50.17	45.79	20.48	40.95	388.58	464.04	6.15	
11700.00	9221.87	11372.62	50.50	47.41	21.05	42.10	388.33	466.78	5.95	
11800.00	9221.03	11472.55	50.82	49.06	21.63	43.26	388.13	469.53	5.77	
11900.00	9220.19	11572.47	51.14	50.71	22.22	44.44	387.95	472.30	5.60	
12000.00	9219.36	11672.40	51.45	52.38	22.82	45.63	387.75	475.08	5.44	
12100.00	9218.52	11772.33	51.76	54.05	23.42	46.84	387.53	477.88	5.29	
12200.00	9217.68	11872.26	52.07	55.73	24.04	48.07	387.30	480.69	5.15	
12300.00	9216.84	11972.18	52.37	57.43	24.65	49.31	387.06	483.52	5.01	
12400.00	9216.00	12072.11	52.67	59.12	25.28	50.56	386.81	486.35	4.89	
12500.00	9215.17	12172.04	52.97	60.83	25.91	51.82	386.55	489.20	4.77	
12600.00	9214.33	12271.97	53.26	62.54	26.55	53.09	386.28	492.07	4.65	
12700.00	9213.49	12371.89	53.55	64.26	27.19	54.38	386.01	494.95	4.54	
12800.00	9212.65	12471.82	53.84	65.98	27.83	55.67	385.72	497.84	4.44	
12900.00	9211.81	12571.75	54.12	67.71	28.48	56.97	385.43	500.74	4.34	
13000.00	9210.98	12671.68	54.40	69.45	29.14	58.27	385.14	503.65	4.25	
13100.00	9210.14	12771.60	54.68	71.18	29.80	59.59	384.84	506.58	4.16	
13200.00	9209.30	12871.53	54.95	72.92	30.46	60.91	384.53	509.51	4.08	
13300.00	9208.46	12971.46	55.22	74.67	31.12	62.24	384.23	512.46	4.00	
13400.00	9207.62	13071.39	55.49	76.42	31.79	63.57	383.92	515.42	3.92	
13500.00	9206.79	13171.31	55.75	78.17	32.46	64.91	383.60	518.39	3.85	
13600.00	9205.95	13271.24	56.01	79.92	33.13	66.26	383.29	521.38	3.78	
13700.00	9205.11	13371.17	56.27	81.68	33.81	67.61	382.97	524.37	3.71	
13800.00	9204.27	13471.10	56.53	83.44	34.48	68.96	382.66	527.37	3.64	
13900.00	9203.43	13571.02	56.78	85.20	35.16	70.32	382.34	530.39	3.58	
14000.00	9202.60	13670.95	57.03	86.96	35.85	71.69	382.01	533.41	3.52	
14050.20	9202.17	13721.12	57.15	87.85	36.19	72.37	381.83	534.93	3.49	

Secondary Well: Bell Lake 19 State 7H (p) (TVD relative to Kelly Bushing) (All Azimuth Relative to GRID NORTH)										
Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T.Face to Sec (°)	S.Major (US ft)	S.Minor (US ft)	TVD Spread (US ft)	ES (US ft)	CC (US ft)	SF	Risk
0.00	0.00	0.00	89.07	0.00	0.00	0.00	49.35	49.92	88.09	
100.00	100.00	100.00	89.07	0.11	0.11	4.60	49.13	49.92	63.41	
200.00	200.00	200.00	89.07	0.34	0.34	4.62	48.68	49.92	40.36	
300.00	300.00	300.00	89.07	0.56	0.56	4.65	48.23	49.92	29.60	
400.00	400.00	400.00	89.07	0.79	0.79	4.70	47.78	49.92	23.37	
500.00	500.00	500.00	89.07	1.01	1.01	4.75	47.33	49.92	19.31	
600.00	600.00	600.00	89.07	1.24	1.24	4.82	46.88	49.92	16.45	
700.00	700.00	700.00	89.07	1.46	1.46	4.89	46.43	49.92	14.33	
800.00	800.00	800.00	89.07	1.69	1.69	4.98	45.98	49.92	12.69	
900.00	900.00	900.00	89.07	1.91	1.91	5.07	45.53	49.92	11.39	
1000.00	1000.00	1000.00	89.07	2.14	2.14	5.17	45.08	49.92	10.33	
1100.00	1100.00	1100.00	89.07	2.36	2.36	5.28	44.63	49.92	9.45	
1200.00	1200.00	1200.00	89.07	2.59	2.59	5.39	44.18	49.92	8.71	



## 5D Anti-Collision Report

Secondary Well: Bell Lake 19 State 7H (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
1300.00	1300.00	1300.00	89.07	2.81	2.81	5.51	43.74	49.92	8.08	
1400.00	1400.00	1400.00	89.07	3.03	3.03	5.64	43.29	49.92	7.53	
1500.00	1500.00	1500.00	89.07	3.26	3.26	5.77	42.84	49.92	7.05	
1600.00	1600.00	1600.00	89.07	3.48	3.48	5.90	42.39	49.92	6.63	
1700.00	1700.00	1700.00	89.07	3.71	3.71	6.04	41.94	49.92	6.26	
1800.00	1800.00	1800.00	89.07	3.93	3.93	6.19	41.49	49.92	5.92	
1900.00	1900.00	1900.00	89.07	4.16	4.16	6.34	41.04	49.92	5.62	
2000.00	2000.00	2000.00	89.07	4.38	4.38	6.49	40.59	49.92	5.35	
2100.00	2100.00	2100.00	89.07	4.61	4.61	6.64	40.14	49.92	5.11	
2200.00	2200.00	2200.00	89.07	4.83	4.83	6.80	39.69	49.92	4.88	
2300.00	2300.00	2300.00	89.07	5.06	5.06	6.96	39.24	49.92	4.68	
2400.00	2400.00	2400.00	89.07	5.28	5.28	7.12	38.79	49.92	4.49	
2500.00	2500.00	2500.00	89.07	5.51	5.51	7.29	38.34	49.92	4.31	
2600.00	2600.00	2600.00	89.07	5.73	5.73	7.46	37.89	49.92	4.15	
2700.00	2700.00	2700.00	89.07	5.96	5.96	7.63	37.44	49.92	4.00	
2800.00	2799.10	2799.11	179.10	6.17	6.16	7.80	38.80	51.65	4.02	
2900.00	2897.99	2898.03	179.18	6.36	6.36	7.97	43.61	56.86	4.29	
3000.00	2996.47	2996.60	179.29	6.56	6.55	8.15	51.88	65.53	4.80	
3100.00	3094.33	3094.64	179.40	6.76	6.74	8.32	63.61	77.64	5.53	
3200.00	3191.38	3191.98	179.49	6.97	6.93	8.50	78.76	93.17	6.47	
3300.00	3289.20	3290.17	179.58	7.18	7.13	8.68	96.58	111.39	7.52	
3400.00	3386.99	3388.34	179.64	7.39	7.33	8.86	115.25	130.47	8.57	
3500.00	3484.77	3486.50	179.68	7.61	7.54	9.05	133.92	149.55	9.57	
3600.00	3582.56	3584.66	179.72	7.83	7.74	9.24	152.59	168.63	10.52	
3700.00	3680.35	3682.82	179.75	8.06	7.95	9.43	171.26	187.71	11.41	
3800.00	3778.14	3780.99	179.77	8.29	8.15	9.63	189.92	206.79	12.26	
3900.00	3875.93	3879.15	179.79	8.52	8.36	9.83	208.59	225.87	13.07	
4000.00	3973.72	3977.31	179.81	8.75	8.57	10.03	227.25	244.95	13.84	
4100.00	4071.51	4075.48	179.82	8.98	8.78	10.23	245.91	264.03	14.57	
4200.00	4169.30	4173.64	179.83	9.22	8.99	10.44	264.56	283.11	15.26	
4300.00	4267.09	4271.80	179.84	9.46	9.21	10.65	283.22	302.19	15.93	
4400.00	4364.88	4369.96	179.85	9.70	9.42	10.86	301.87	321.27	16.56	
4500.00	4462.67	4468.13	179.86	9.94	9.63	11.08	320.52	340.35	17.16	
4600.00	4560.46	4566.29	179.87	10.18	9.85	11.30	339.17	359.44	17.74	
4700.00	4664.96	4671.12	179.88	10.41	10.06	11.54	356.96	377.68	18.23	
4800.00	4770.53	4776.89	179.88	10.62	10.27	11.78	372.95	394.12	18.62	
4900.00	4876.82	4883.27	179.89	10.84	10.48	12.03	387.11	408.73	18.91	
5000.00	4983.72	4990.20	179.89	11.04	10.69	12.28	399.43	421.49	19.11	
5100.00	5089.08	5095.56	179.89	11.25	10.89	12.54	409.66	432.15	19.22	
5200.00	5188.71	5195.19	179.89	11.46	11.11	12.78	417.79	440.69	19.24	
5300.00	5288.48	5294.96	179.90	11.67	11.33	13.02	424.18	447.49	19.20	
5400.00	5388.35	5394.83	179.90	11.89	11.55	13.28	428.82	452.55	19.07	
5500.00	5488.29	5494.77	179.90	12.10	11.77	13.53	431.72	455.86	18.88	
5600.00	5588.28	5594.76	179.90	12.32	11.99	13.79	432.88	457.43	18.63	
5700.00	5688.28	5694.76	89.90	12.54	12.21	14.05	432.60	457.57	18.32	
5800.00	5788.28	5794.76	89.90	12.75	12.43	14.32	432.16	457.57	18.01	
5900.00	5888.28	5894.76	89.90	12.97	12.65	14.59	431.73	457.57	17.70	
6000.00	5988.28	5994.76	89.90	13.18	12.87	14.87	431.29	457.57	17.41	
6100.00	6088.28	6094.76	89.90	13.40	13.09	15.15	430.85	457.57	17.12	
6200.00	6188.28	6194.76	89.90	13.62	13.31	15.43	430.41	457.57	16.84	
6300.00	6288.28	6294.76	89.90	13.84	13.53	15.72	429.97	457.57	16.58	
6400.00	6388.28	6394.76	89.90	14.05	13.76	16.02	429.53	457.57	16.32	
6500.00	6488.28	6494.76	89.90	14.27	13.98	16.32	429.09	457.57	16.06	
6600.00	6588.28	6594.76	89.90	14.49	14.20	16.62	428.65	457.57	15.82	
6700.00	6688.28	6694.76	89.90	14.71	14.42	16.93	428.21	457.57	15.58	
6800.00	6788.28	6794.76	89.90	14.93	14.64	17.24	427.77	457.57	15.35	
6900.00	6888.28	6894.76	89.90	15.15	14.86	17.56	427.33	457.57	15.13	
7000.00	6988.28	6994.76	89.90	15.36	15.09	17.88	426.89	457.57	14.91	

## 5D Anti-Collision Report

Secondary Well: Bell Lake 19 State 7H (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
7100.00	7088.28	7094.76	89.90	15.58	15.31	18.21	426.44	457.57	14.70	
7200.00	7188.28	7194.76	89.90	15.80	15.53	18.54	426.00	457.57	14.49	
7300.00	7288.28	7294.76	89.90	16.02	15.75	18.88	425.56	457.57	14.29	
7400.00	7388.28	7394.76	89.90	16.24	15.97	19.22	425.12	457.57	14.10	
7500.00	7488.28	7494.76	89.90	16.46	16.20	19.57	424.68	457.57	13.91	
7600.00	7588.28	7594.76	89.90	16.68	16.42	19.93	424.23	457.57	13.72	
7700.00	7688.28	7694.76	89.90	16.90	16.64	20.29	423.79	457.57	13.54	
7800.00	7788.28	7794.76	89.90	17.12	16.86	20.65	423.35	457.57	13.37	
7900.00	7888.28	7894.76	89.90	17.34	17.09	21.02	422.91	457.57	13.20	
8000.00	7988.28	7994.76	89.90	17.56	17.31	21.39	422.46	457.57	13.03	
8100.00	8088.28	8094.76	89.90	17.78	17.53	21.77	422.02	457.57	12.87	
8200.00	8188.28	8194.76	89.90	18.00	17.75	22.16	421.57	457.57	12.71	
8300.00	8288.28	8294.76	89.90	18.22	17.98	22.55	421.13	457.57	12.56	
8400.00	8388.28	8394.76	89.90	18.44	18.20	22.95	420.69	457.57	12.41	
8500.00	8488.28	8494.76	89.90	18.66	18.42	23.35	420.24	457.57	12.26	
8600.00	8588.28	8594.76	89.90	18.89	18.64	23.76	419.80	457.57	12.11	
8700.00	8688.28	8694.76	89.90	19.11	18.87	24.17	419.36	457.57	11.97	
8800.00	8788.28	8794.76	89.90	19.33	19.09	24.59	418.91	457.57	11.84	
8900.00	8888.28	8894.76	89.90	19.55	19.31	25.02	418.47	457.57	11.70	
9000.00	8988.27	8994.75	90.22	19.77	19.54	25.45	418.02	457.58	11.57	
9100.00	9087.93	9094.42	91.68	19.98	19.76	25.88	417.77	457.78	11.44	
9200.00	9188.99	9196.61	93.65	19.98	19.91	26.32	418.27	458.60	11.37	
9300.00	9288.78	9301.91	95.53	20.21	19.47	26.73	419.17	460.00	11.27	
9400.00	9383.46	9410.40	97.25	20.46	18.67	27.09	420.55	461.83	11.19	
9500.00	9468.74	9522.00	98.75	20.78	17.58	27.42	422.12	463.88	11.11	
9600.00	9540.07	9636.46	99.96	21.21	16.34	27.72	423.43	465.92	10.97	
9700.00	9593.13	9753.28	100.83	21.78	15.21	28.02	424.17	467.69	10.75	
9800.00	9624.34	9871.76	101.32	22.52	14.46	28.36	424.18	468.98	10.47	
9900.00	9632.04	9986.71	101.44	23.38	14.36	28.73	423.27	469.72	10.11	
10000.00	9632.23	10086.70	101.59	24.24	14.56	29.13	422.37	470.45	9.78	
10100.00	9632.42	10186.69	101.73	25.21	14.79	29.60	421.17	471.18	9.42	
10200.00	9632.61	10286.68	101.88	26.26	15.06	30.13	419.84	471.91	9.06	
10300.00	9632.81	10386.67	102.02	27.40	15.35	30.72	418.38	472.65	8.71	
10400.00	9633.00	10486.66	102.17	28.61	15.67	31.37	416.81	473.38	8.37	
10500.00	9633.19	10586.65	102.31	29.88	16.03	32.07	415.10	474.13	8.03	
10600.00	9633.38	10686.64	102.46	31.21	16.40	32.82	413.27	474.87	7.71	
10700.00	9633.57	10786.63	102.60	32.58	16.80	33.62	411.37	475.62	7.40	
10800.00	9633.76	10886.62	102.74	34.00	17.22	34.46	409.39	476.37	7.11	
10900.00	9633.96	10986.61	102.88	35.46	17.67	35.35	407.31	477.12	6.83	
11000.00	9634.15	11086.60	103.03	36.95	18.13	36.27	405.16	477.88	6.57	
11100.00	9634.34	11186.60	103.17	38.46	18.60	37.23	402.97	478.63	6.33	
11200.00	9634.53	11286.59	103.31	40.01	19.10	38.22	400.74	479.40	6.09	
11300.00	9634.72	11386.58	103.45	41.57	19.61	39.24	398.47	480.16	5.88	
11400.00	9634.91	11486.57	103.59	43.16	20.13	40.28	396.17	480.93	5.67	
11500.00	9635.11	11586.56	103.73	44.77	20.67	41.36	393.86	481.70	5.48	
11600.00	9635.30	11686.55	103.87	46.39	21.22	42.45	391.44	482.47	5.30	
11700.00	9635.49	11786.54	104.00	48.02	21.78	43.57	389.07	483.25	5.13	
11800.00	9635.68	11886.53	104.14	49.67	22.35	44.71	386.69	484.03	4.97	
11900.00	9635.87	11986.52	104.28	51.33	22.92	45.86	384.28	484.81	4.82	
12000.00	9636.06	12086.51	104.42	53.01	23.51	47.04	381.86	485.59	4.68	
12100.00	9636.26	12186.50	104.55	54.69	24.11	48.23	379.42	486.38	4.55	
12200.00	9636.45	12286.49	104.69	56.38	24.71	49.43	376.97	487.17	4.42	
12300.00	9636.64	12386.48	104.83	58.08	25.32	50.65	374.52	487.96	4.30	
12400.00	9636.83	12486.47	104.96	59.79	25.93	51.88	372.05	488.76	4.19	
12500.00	9637.02	12586.46	105.10	61.50	26.56	53.13	369.58	489.56	4.08	
12600.00	9637.21	12686.45	105.23	63.22	27.18	54.38	367.10	490.36	3.98	
12700.00	9637.41	12786.44	105.36	64.95	27.82	55.65	364.61	491.16	3.88	
12800.00	9637.60	12886.43	105.50	66.68	28.45	56.92	362.13	491.97	3.79	

## 5D Anti-Collision Report

Secondary Well: Bell Lake 19 State 7H (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
12900.00	9637.79	12986.42	105.63	68.41	29.10	58.20	359.64	492.78	3.70	
13000.00	9637.98	13086.41	105.76	70.16	29.74	59.50	357.14	493.59	3.62	
13100.00	9638.17	13186.40	105.90	71.90	30.39	60.80	354.65	494.40	3.54	
13200.00	9638.36	13286.39	106.03	73.65	31.05	62.10	352.15	495.22	3.46	
13300.00	9638.55	13386.38	106.16	75.40	31.70	63.42	349.66	496.04	3.39	
13400.00	9638.75	13486.37	106.29	77.16	32.36	64.74	347.16	496.86	3.32	
13500.00	9638.94	13586.36	106.42	78.92	33.03	66.07	344.67	497.68	3.25	
13600.00	9639.13	13686.35	106.55	80.68	33.69	67.40	342.17	498.51	3.19	
13700.00	9639.32	13786.34	106.68	82.45	34.36	68.74	339.68	499.34	3.13	
13800.00	9639.51	13886.33	106.81	84.21	35.04	70.08	337.18	500.17	3.07	
13900.00	9639.70	13986.32	106.94	85.98	35.71	71.43	334.69	501.01	3.01	
14000.00	9639.90	14086.31	107.07	87.76	36.39	72.78	332.21	501.85	2.96	
14050.20	9639.99	14136.51	107.13	88.65	36.73	73.46	330.96	502.27	2.93	