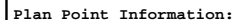


**5D Plan Report****ANADARKO**

Field Name: *WATTENBURG_ANADARKO_CO_NAD83*
Site Name: *SCOTT PAD*
Well Name: *SCOTT 1C-32HZ*
Plan: *PLAN 1*





DogLeg	Severity	Unit	%/100.00ft	Position offsets from slot centre						
MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(DLSU)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0R	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.0R	0.00	0.00
2447.23	6.94	152.81	2446.38	-18.70	9.60	-18.68	2.00	152.8R	2.00	0.00
6534.68	6.94	152.81	6503.84	-458.31	235.41	-458.02	0.00	0.0R	0.00	0.00
6881.91	0.00	0.00	6850.22	-477.00	245.01	-476.70	2.00	180.0R	-2.00	0.00
7786.40	90.45	0.07	7423.16	100.45	245.70	100.75	10.00	0.1R	10.00	0.00
14952.51	90.45	0.07	13767.01	7266.34	254.23	7266.64	0.00	0.0R	0.00	0.00

Target Set Information:

Name:	1C		
Name	TVD	Lat	Long
	(USft)	(°)	(°)
PBHL	7367.00	40.188393	-104.906722

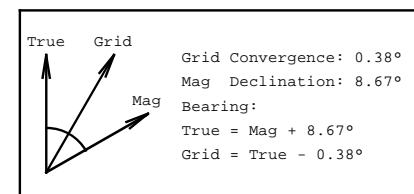
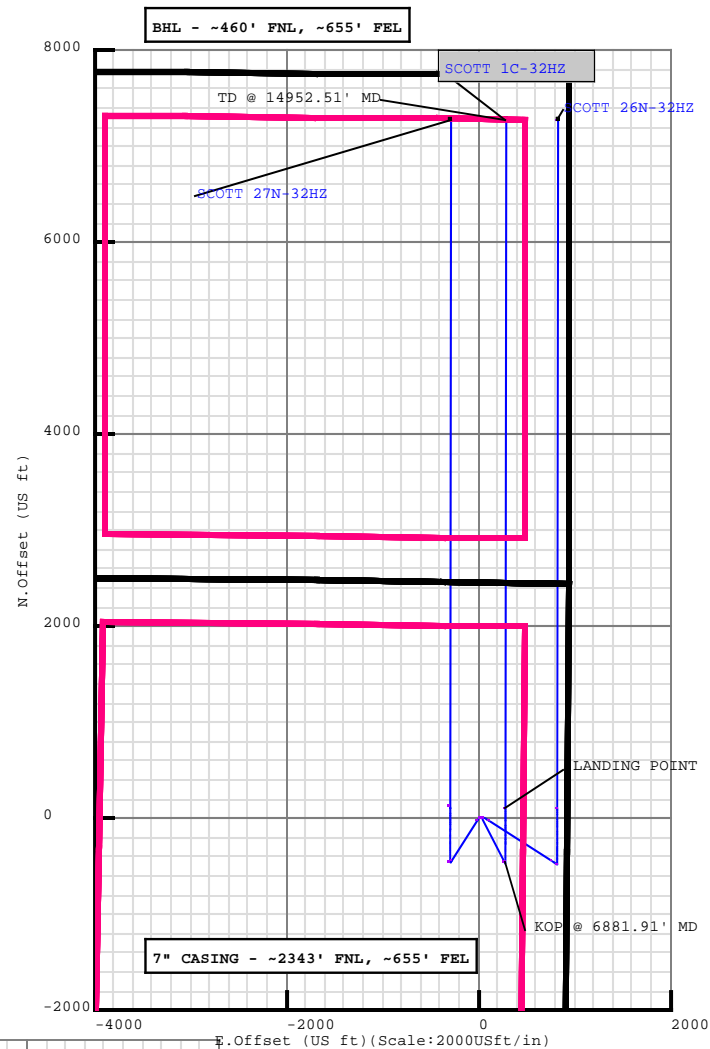
Casing Point Information:

Name	MD (USft)	TVD (USft)
9 5/8 in	950.00	950.00
7 in	7786.40	7423.16

Formation Point Information:

Name	TVD (USft)	Elevation (USft)	MD (USft)
SHARON SPRINGS	7099.00	-2208.00	7139.25
NIOBRARA A	7140.00	-2249.00	7185.73
NIOBRARA B	7158.00	-2267.00	7206.82
NIOBRARA C	7245.00	-2354.00	7317.43
FORT HAYS	7394.00	-2503.00	7598.26
CODELL	7418.00	-2527.00	7704.81

LINER - 6781.91' MD
KOP - 6881.91' MD



Plan Surveys for the SCOTT 1C-32HZ

Site Name SCOTT PAD	Units : US ft	North Reference : True	Convergence Angle : 0.38
	Position	Northing : 1304761.00 US ft	Latitude : 40.168447
		Easting : 3165512.71 US ft	Longitude : -104.907740
	Elevation above: 4874.00 US ft Comment :		
Slot Name SCOTT 1C-32HZ	Position (Offsets relative to Site Centre)		
	+N / -S : -0.37 US ft	Northing : 1304760.83 US ft	Latitude : 40.168446
	+E / -W : 30.18 US ft	Easting : 3165542.89 US ft	Longitude : -104.907632
	Slot TVD Reference : Ground Elevation Elevation above : 4874.00 US ft Comment :		
Well Name SCOTT 1C-32HZ	Type : Main well	UWI :	Plan : PLAN 1
	Rig Height <i>Drill Floor</i> : 17.00 US ft	Comment :	
	Relative to : 4891.00 US ft		
	Closure Distance : 7270.78 US ft	Closure Azimuth : 2.0038°	
	Vertical Section (Position of Origin Relative to Slot)		
	+N / -S : 0.37 US ft	+E / -W : -30.18 US ft	Az : 0.07°
	Magnetic Parameters		
	Model : BGGM	Field Strength : 52741.9nT	Dec : 8.67°
			Dip : 66.76°
			Date : 30/Jul/2013

Target Set**Name :** 1C**Number of Targets :** 1**Comment :**

TargetName:	Position (Relative to centre)			
PBHL	+N / -S : 7266.34US ft		Northing : 1312028.70 US ft	
	+E / -W : 254.23 US ft		Easting : 3165748.58US ft	
Shape:	Longitude : -104°54'24.199200"			
Cuboid	TVD (Drill Floor) : 7367.00 US ft			
	Orientation	Azimuth : 0.00°	Inclination : 0.00°	
	Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft

Casing Points (Relative to centre, TVD relative to Drill Floor)								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)
9 5/8 in	950.00	0.00	0.00	950.00	0.00	0.00	40.168446	-104.907632
7 in	7786.40	90.45	0.07	7423.16	100.45	245.70	40.168722	-104.906753

Well path created using minimum curvature

Salient Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	-0.33	9 5/8 in
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	-0.33	
2447.23	6.94	152.81	2446.38	-18.70	9.60	2.00	152.81	-19.01	
6534.68	6.94	152.81	6503.84	-458.31	235.41	0.00	0.00	-458.35	
6881.91	0.00	0.00	6850.22	-477.00	245.01	2.00	180.00	-477.03	KOP @ 6881.91' MD
7139.25	25.73	0.07	7099.00	-420.17	245.08	10.00	0.07	-420.20	SHARON SPRINGS :
7185.73	30.38	0.07	7140.00	-398.32	245.10	10.00	0.00	-398.35	NIOBRARA A :
7206.82	32.49	0.07	7158.00	-387.32	245.12	10.00	0.00	-387.35	NIOBRARA B :
7317.43	43.55	0.07	7245.00	-319.29	245.20	10.00	0.00	-319.32	NIOBRARA C :
7598.26	71.64	0.07	7394.00	-84.56	245.48	10.00	0.00	-84.59	FORT HAYS :
7704.81	82.29	0.07	7418.00	19.09	245.60	10.00	0.00	19.06	CODELL :
7786.40	90.45	0.07	7423.16	100.45	245.70	10.00	0.00	100.42	LANDING POINT; 7 in
14952.51	90.45	0.07	7367.01	7266.34	254.23	0.00	0.00	7266.31	TD @ 14952.51' MD

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	9 5/8 in
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	-0.33	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	-0.33	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	-0.33	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	-0.33	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	-0.33	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	-0.33	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	-0.33	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	-0.33	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	-0.33	
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	-0.33	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	-0.33	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	-0.33	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	-0.33	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	-0.33	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	-0.33	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	-0.33	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	-0.33	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	-0.33	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	-0.33	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	-0.33	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	-0.33	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	-0.33	
2200.00	2.00	152.81	2199.98	-1.55	0.80	2.00	152.81	-1.88	
2300.00	4.00	152.81	2299.84	-6.21	3.19	2.00	0.00	-6.53	
2400.00	6.00	152.81	2399.45	-13.96	7.17	2.00	0.00	-14.28	
2447.23	6.94	152.81	2446.38	-18.70	9.60	2.00	0.00	-19.01	
2500.00	6.94	152.81	2498.76	-24.37	12.52	0.00	0.00	-24.69	
2600.00	6.94	152.81	2598.03	-35.13	18.04	0.00	0.00	-35.43	
2700.00	6.94	152.81	2697.30	-45.88	23.57	0.00	0.00	-46.18	
2800.00	6.94	152.81	2796.56	-56.64	29.09	0.00	0.00	-56.93	
2900.00	6.94	152.81	2895.83	-67.39	34.62	0.00	0.00	-67.68	
3000.00	6.94	152.81	2995.10	-78.15	40.14	0.00	0.00	-78.43	
3100.00	6.94	152.81	3094.36	-88.90	45.66	0.00	0.00	-89.18	
3200.00	6.94	152.81	3193.63	-99.66	51.19	0.00	0.00	-99.92	
3300.00	6.94	152.81	3292.89	-110.41	56.71	0.00	0.00	-110.67	
3400.00	6.94	152.81	3392.16	-121.17	62.24	0.00	0.00	-121.42	
3500.00	6.94	152.81	3491.43	-131.92	67.76	0.00	0.00	-132.17	
3600.00	6.94	152.81	3590.69	-142.68	73.29	0.00	0.00	-142.92	
3700.00	6.94	152.81	3689.96	-153.43	78.81	0.00	0.00	-153.67	
3800.00	6.94	152.81	3789.23	-164.19	84.33	0.00	0.00	-164.41	

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
3900.00	6.94	152.81	3888.49	-174.94	89.86	0.00	0.00	-175.16	
4000.00	6.94	152.81	3987.76	-185.70	95.38	0.00	0.00	-185.91	
4100.00	6.94	152.81	4087.02	-196.45	100.91	0.00	0.00	-196.66	
4200.00	6.94	152.81	4186.29	-207.21	106.43	0.00	0.00	-207.41	
4300.00	6.94	152.81	4285.56	-217.96	111.96	0.00	0.00	-218.16	
4400.00	6.94	152.81	4384.82	-228.72	117.48	0.00	0.00	-228.90	
4500.00	6.94	152.81	4484.09	-239.47	123.01	0.00	0.00	-239.65	
4600.00	6.94	152.81	4583.36	-250.23	128.53	0.00	0.00	-250.40	
4700.00	6.94	152.81	4682.62	-260.98	134.05	0.00	0.00	-261.15	
4800.00	6.94	152.81	4781.89	-271.74	139.58	0.00	0.00	-271.90	
4900.00	6.94	152.81	4881.16	-282.49	145.10	0.00	0.00	-282.65	
5000.00	6.94	152.81	4980.42	-293.25	150.63	0.00	0.00	-293.40	
5100.00	6.94	152.81	5079.69	-304.00	156.15	0.00	0.00	-304.14	
5200.00	6.94	152.81	5178.95	-314.76	161.68	0.00	0.00	-314.89	
5300.00	6.94	152.81	5278.22	-325.51	167.20	0.00	0.00	-325.64	
5400.00	6.94	152.81	5377.49	-336.27	172.72	0.00	0.00	-336.39	
5500.00	6.94	152.81	5476.75	-347.02	178.25	0.00	0.00	-347.14	
5600.00	6.94	152.81	5576.02	-357.78	183.77	0.00	0.00	-357.89	
5700.00	6.94	152.81	5675.29	-368.53	189.30	0.00	0.00	-368.63	
5800.00	6.94	152.81	5774.55	-379.29	194.82	0.00	0.00	-379.38	
5900.00	6.94	152.81	5873.82	-390.04	200.35	0.00	0.00	-390.13	
6000.00	6.94	152.81	5973.09	-400.80	205.87	0.00	0.00	-400.88	
6100.00	6.94	152.81	6072.35	-411.56	211.39	0.00	0.00	-411.63	
6200.00	6.94	152.81	6171.62	-422.31	216.92	0.00	0.00	-422.38	
6300.00	6.94	152.81	6270.88	-433.07	222.44	0.00	0.00	-433.12	
6400.00	6.94	152.81	6370.15	-443.82	227.97	0.00	0.00	-443.87	
6500.00	6.94	152.81	6469.42	-454.58	233.49	0.00	0.00	-454.62	
6534.68	6.94	152.81	6503.84	-458.31	235.41	0.00	0.00	-458.35	
6600.00	5.64	152.81	6568.77	-464.67	238.68	2.00	180.00	-464.71	
6700.00	3.64	152.81	6668.44	-471.87	242.37	2.00	180.00	-471.90	
6800.00	1.64	152.81	6768.32	-475.96	244.48	2.00	180.00	-475.99	
6881.91	0.00	0.00	6850.22	-477.00	245.01	2.00	180.00	-477.03	KOP @ 6881.91' MD
6900.00	1.81	0.07	6868.31	-476.72	245.01	10.00	0.07	-476.75	
7000.00	11.81	0.07	6967.48	-464.87	245.03	10.00	0.00	-464.90	
7100.00	21.81	0.07	7063.08	-435.99	245.06	10.00	0.00	-436.02	
7139.25	25.73	0.07	7099.00	-420.17	245.08	10.00	0.00	-420.20	SHARON SPRINGS :
7185.73	30.38	0.07	7140.00	-398.32	245.10	10.00	0.00	-398.35	NIOBRARA A :
7200.00	31.81	0.07	7152.22	-390.95	245.11	10.00	0.00	-390.98	
7206.82	32.49	0.07	7158.00	-387.32	245.12	10.00	0.00	-387.35	NIOBRARA B :
7300.00	41.81	0.07	7232.19	-331.11	245.18	10.00	0.00	-331.14	
7317.43	43.55	0.07	7245.00	-319.29	245.20	10.00	0.00	-319.32	NIOBRARA C :

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
7400.00	51.81	0.07	7300.54	-258.29	245.27	10.00	0.00	-258.32	FORT HAYS :
7500.00	61.81	0.07	7355.21	-174.71	245.37	10.00	0.00	-174.74	
7598.26	71.64	0.07	7394.00	-84.56	245.48	10.00	0.00	-84.59	
7600.00	71.81	0.07	7394.54	-82.91	245.48	10.00	0.00	-82.94	
7700.00	81.81	0.07	7417.33	14.33	245.60	10.00	0.00	14.30	CODELL : LANDING POINT; 7 in
7704.81	82.29	0.07	7418.00	19.09	245.60	10.00	0.00	19.06	
7786.40	90.45	0.07	7423.16	100.45	245.70	10.00	0.00	100.42	
7800.00	90.45	0.07	7423.06	114.05	245.71	0.00	0.00	114.02	
7900.00	90.45	0.07	7422.27	214.05	245.83	0.00	0.00	214.01	
8000.00	90.45	0.07	7421.49	314.04	245.95	0.00	0.00	314.01	
8100.00	90.45	0.07	7420.70	414.04	246.07	0.00	0.00	414.01	
8200.00	90.45	0.07	7419.92	514.04	246.19	0.00	0.00	514.01	
8300.00	90.45	0.07	7419.14	614.03	246.31	0.00	0.00	614.00	
8400.00	90.45	0.07	7418.35	714.03	246.43	0.00	0.00	714.00	
8500.00	90.45	0.07	7417.57	814.03	246.55	0.00	0.00	814.00	
8600.00	90.45	0.07	7416.79	914.02	246.67	0.00	0.00	913.99	
8700.00	90.45	0.07	7416.00	1014.02	246.79	0.00	0.00	1013.99	
8800.00	90.45	0.07	7415.22	1114.02	246.90	0.00	0.00	1113.99	
8900.00	90.45	0.07	7414.44	1214.01	247.02	0.00	0.00	1213.98	
9000.00	90.45	0.07	7413.65	1314.01	247.14	0.00	0.00	1313.98	
9100.00	90.45	0.07	7412.87	1414.01	247.26	0.00	0.00	1413.98	
9200.00	90.45	0.07	7412.08	1514.00	247.38	0.00	0.00	1513.97	
9300.00	90.45	0.07	7411.30	1614.00	247.50	0.00	0.00	1613.97	
9400.00	90.45	0.07	7410.52	1714.00	247.62	0.00	0.00	1713.97	
9500.00	90.45	0.07	7409.73	1813.99	247.74	0.00	0.00	1813.97	
9600.00	90.45	0.07	7408.95	1913.99	247.86	0.00	0.00	1913.96	
9700.00	90.45	0.07	7408.17	2013.99	247.98	0.00	0.00	2013.96	
9800.00	90.45	0.07	7407.38	2113.99	248.09	0.00	0.00	2113.96	
9900.00	90.45	0.07	7406.60	2213.98	248.21	0.00	0.00	2213.95	
10000.00	90.45	0.07	7405.82	2313.98	248.33	0.00	0.00	2313.95	
10100.00	90.45	0.07	7405.03	2413.98	248.45	0.00	0.00	2413.95	
10200.00	90.45	0.07	7404.25	2513.97	248.57	0.00	0.00	2513.94	
10300.00	90.45	0.07	7403.46	2613.97	248.69	0.00	0.00	2613.94	
10400.00	90.45	0.07	7402.68	2713.97	248.81	0.00	0.00	2713.94	
10500.00	90.45	0.07	7401.90	2813.96	248.93	0.00	0.00	2813.93	
10600.00	90.45	0.07	7401.11	2913.96	249.05	0.00	0.00	2913.93	
10700.00	90.45	0.07	7400.33	3013.96	249.17	0.00	0.00	3013.93	
10800.00	90.45	0.07	7399.55	3113.95	249.29	0.00	0.00	3113.93	
10900.00	90.45	0.07	7398.76	3213.95	249.40	0.00	0.00	3213.92	
11000.00	90.45	0.07	7397.98	3313.95	249.52	0.00	0.00	3313.92	
11100.00	90.45	0.07	7397.20	3413.94	249.64	0.00	0.00	3413.92	

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
11200.00	90.45	0.07	7396.41	3513.94	249.76	0.00	0.00	3513.91	
11300.00	90.45	0.07	7395.63	3613.94	249.88	0.00	0.00	3613.91	
11400.00	90.45	0.07	7394.84	3713.94	250.00	0.00	0.00	3713.91	
11500.00	90.45	0.07	7394.06	3813.93	250.12	0.00	0.00	3813.90	
11600.00	90.45	0.07	7393.28	3913.93	250.24	0.00	0.00	3913.90	
11700.00	90.45	0.07	7392.49	4013.93	250.36	0.00	0.00	4013.90	
11800.00	90.45	0.07	7391.71	4113.92	250.48	0.00	0.00	4113.89	
11900.00	90.45	0.07	7390.93	4213.92	250.59	0.00	0.00	4213.89	
12000.00	90.45	0.07	7390.14	4313.92	250.71	0.00	0.00	4313.89	
12100.00	90.45	0.07	7389.36	4413.91	250.83	0.00	0.00	4413.89	
12200.00	90.45	0.07	7388.58	4513.91	250.95	0.00	0.00	4513.88	
12300.00	90.45	0.07	7387.79	4613.91	251.07	0.00	0.00	4613.88	
12400.00	90.45	0.07	7387.01	4713.90	251.19	0.00	0.00	4713.88	
12500.00	90.45	0.07	7386.22	4813.90	251.31	0.00	0.00	4813.87	
12600.00	90.45	0.07	7385.44	4913.90	251.43	0.00	0.00	4913.87	
12700.00	90.45	0.07	7384.66	5013.89	251.55	0.00	0.00	5013.87	
12800.00	90.45	0.07	7383.87	5113.89	251.67	0.00	0.00	5113.86	
12900.00	90.45	0.07	7383.09	5213.89	251.79	0.00	0.00	5213.86	
13000.00	90.45	0.07	7382.31	5313.88	251.90	0.00	0.00	5313.86	
13100.00	90.45	0.07	7381.52	5413.88	252.02	0.00	0.00	5413.86	
13200.00	90.45	0.07	7380.74	5513.88	252.14	0.00	0.00	5513.85	
13300.00	90.45	0.07	7379.96	5613.88	252.26	0.00	0.00	5613.85	
13400.00	90.45	0.07	7379.17	5713.87	252.38	0.00	0.00	5713.85	
13500.00	90.45	0.07	7378.39	5813.87	252.50	0.00	0.00	5813.84	
13600.00	90.45	0.07	7377.60	5913.87	252.62	0.00	0.00	5913.84	
13700.00	90.45	0.07	7376.82	6013.86	252.74	0.00	0.00	6013.84	
13800.00	90.45	0.07	7376.04	6113.86	252.86	0.00	0.00	6113.83	
13900.00	90.45	0.07	7375.25	6213.86	252.98	0.00	0.00	6213.83	
14000.00	90.45	0.07	7374.47	6313.85	253.09	0.00	0.00	6313.83	
14100.00	90.45	0.07	7373.69	6413.85	253.21	0.00	0.00	6413.82	
14200.00	90.45	0.07	7372.90	6513.85	253.33	0.00	0.00	6513.82	
14300.00	90.45	0.07	7372.12	6613.84	253.45	0.00	0.00	6613.82	
14400.00	90.45	0.07	7371.34	6713.84	253.57	0.00	0.00	6713.82	
14500.00	90.45	0.07	7370.55	6813.84	253.69	0.00	0.00	6813.81	
14600.00	90.45	0.07	7369.77	6913.83	253.81	0.00	0.00	6913.81	
14700.00	90.45	0.07	7368.98	7013.83	253.93	0.00	0.00	7013.81	
14800.00	90.45	0.07	7368.20	7113.83	254.05	0.00	0.00	7113.80	
14900.00	90.45	0.07	7367.42	7213.83	254.17	0.00	0.00	7213.80	
14952.51	90.45	0.07	7367.01	7266.34	254.23	0.00	0.00	7266.31	TD @ 14952.51' MD

5D Plan Report

Formation Points	(Relative to centre, TVD relative to Drill Floor)		
Name	MD (US ft)	TVD (US ft)	
SHARON SPRINGS	7139.25	7099.00	
NIOBRARA A	7185.73	7140.00	
NIOBRARA B	7206.82	7158.00	
NIOBRARA C	7317.43	7245.00	
FORT HAYS	7598.26	7394.00	
CODELL	7704.81	7418.00	