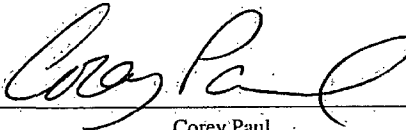


RANGER DIRECTIONAL SERVICES

State of: New Mexico
County of: Eddy

I, Corey Paul, an authorized employee of **Ranger Directional Services** have verified the MWD Survey: 02/07/15 through 2/22/15, from a measured depth of 9983 to the depth of 14807 feet. The data is true, correct, and complete and within the limitations of the tool set forth by **Ranger Directional Services**. This survey was conducted at the request of RKI Exploration LLC for the RDX Federal Com 17-16H API No.: 30-015-41089 well drilled in Eddy County, State of New Mexico. This report conforms to the principles and procedures as set forth by **Ranger Directional Services**.



Corey Paul
MWD Coordinator
Ranger Directional Services

Operator / Cust.:	RKI Exploration	Date:	21-Feb-15
Well Name and No.:	RDX Federal Com 17-16H	MWD Operator:	Logan Elliott/Eric Lovelace
County, State:	Eddy, New Mexico	Hole Size:	6 1/8
Drig. Contractor:	Pioneer 14	Location:	17-26S-30E
Field or Block No.:	Blackhawk	Survey Reference:	Grid North
API No.:	39-015-41089	Declination:	7.29°
Permit No.:		Job No.:	RDS 15-001

Target Coordinates			Final Survey Closure	
TVD	N / -S	E / -W	Inclination	Azimuth
10,749.00'	-4,753.10'	-108.40'	93.10'	182.90°

Tie-In Survey:	DrillTech	Sectional Method Survey Calculations				Rates / 100' M.D.	
Surveying Company:	Ranger Directional	Proposed Azimuth:			181.31°	Build or	R or -L

Sur. No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	SECT.	DLS / 100'		
TIE - IN	0.00	0.00	0.00						0.00	0.00
1	100.00	0.29	190.67	100.00	-0.25	-0.05	0.25	0.29	0.29	190.67
2	200.00	0.16	130.98	200.00	-0.59	0.01	0.59	0.25	-0.13	-59.69
3	300.00	0.02	274.24	300.00	-0.68	0.10	0.68	0.18	-0.14	143.26
4	400.00	0.06	354.00	400.00	-0.63	0.08	0.62	0.06	0.04	79.76
5	500.00	0.06	324.67	500.00	-0.53	0.04	0.53	0.03	0.00	-29.33
6	600.00	0.11	49.52	600.00	-0.43	0.08	0.42	0.12	0.05	84.85
7	700.00	0.06	27.89	700.00	-0.32	0.18	0.31	0.06	-0.05	-21.63
MS Survey Logs End Here	750.00	0.13	297.07	750.00	-0.27	0.14	0.27	0.29	0.14	-181.64
9	931.00	0.50	205.00	931.00	-0.89	-0.37	0.90	0.29	0.20	-50.87
10	962.00	0.70	205.00	961.99	-1.19	-0.51	1.20	0.65	0.65	0.00
11	1058.00	2.60	171.20	1057.95	-3.87	-0.43	3.88	2.14	1.98	-35.21
12	1153.00	4.80	167.70	1152.75	-9.88	0.75	9.86	2.33	2.32	-3.68
13	1247.00	7.20	161.10	1246.23	-19.30	3.50	19.21	2.65	2.55	-7.02
14	1342.00	7.90	159.10	1340.40	-31.03	7.75	30.85	0.79	0.74	-2.11
15	1436.00	7.90	161.10	1433.51	-43.18	12.15	42.89	0.29	0.00	2.13
16	1530.00	7.60	160.90	1526.65	-55.16	16.28	54.78	0.32	-0.32	-0.21
17	1624.00	7.20	162.80	1619.87	-66.66	20.05	66.19	0.50	-0.43	2.02
18	1718.00	8.10	162.30	1713.03	-78.60	23.81	78.04	0.96	0.96	-0.53
19	1813.00	8.30	160.90	1807.06	-91.46	28.09	90.79	0.30	0.21	-1.47
20	1908.00	6.50	160.40	1901.27	-103.00	32.14	102.24	1.90	-1.89	-0.53
21	2002.00	6.20	160.20	1994.69	-112.79	35.64	111.95	0.32	-0.32	-0.21
22	2097.00	6.70	163.70	2089.09	-122.94	38.93	122.01	0.67	0.53	3.68
23	2190.00	6.50	162.60	2181.47	-133.17	42.03	132.17	0.25	-0.22	-1.18
24	2285.00	7.00	166.20	2275.81	-143.92	45.02	142.85	0.69	0.53	3.79
25	2379.00	7.00	163.30	2369.11	-154.97	48.03	153.83	0.38	0.00	-3.09
26	2475.00	6.20	163.30	2464.48	-165.54	51.20	164.32	0.83	-0.83	0.00
27	2569.00	5.60	157.50	2557.98	-174.64	54.42	173.35	0.90	-0.64	-6.17
28	2663.00	5.60	155.60	2651.53	-183.05	58.07	181.67	0.20	0.00	-2.02
29	2758.00	5.80	149.50	2746.06	-191.41	62.42	189.93	0.67	0.21	-6.42
30	2851.00	7.00	144.00	2838.48	-200.04	68.13	198.43	1.45	1.29	-5.91
21	2945.00	6.50	147.90	2931.83	-209.18	74.33	207.43	0.72	-0.53	4.15
22	3038.00	6.90	148.20	3024.19	-218.39	80.07	216.50	0.43	0.43	0.32
23	3132.00	7.60	147.50	3117.44	-228.43	86.38	226.40	0.75	0.74	-0.74
24	3226.00	8.30	150.20	3210.54	-239.56	93.10	237.37	0.84	0.74	2.87
35	3334.00	7.00	154.70	3317.58	-252.28	99.78	249.93	1.32	-1.20	4.17
36	3451.00	6.20	158.90	3433.80	-264.62	105.10	262.14	0.80	-0.68	3.59
37	3545.00	6.20	159.80	3527.25	-274.12	108.68	271.56	0.10	0.00	0.96
38	3640.00	6.00	162.80	3621.71	-283.67	111.92	281.04	0.40	-0.21	3.16
39	3734.00	5.80	161.90	3715.21	-292.88	114.85	290.18	0.23	-0.21	-0.96
40	3828.00	5.60	163.00	3808.75	-301.78	117.67	299.01	0.24	-0.21	1.17
41	3922.00	5.60	164.00	3902.30	-310.58	120.27	307.75	0.10	0.00	1.06
42	4016.00	4.60	163.50	3995.93	-318.60	122.61	315.71	1.06	-1.06	-0.53
43	4111.00	3.30	161.90	4090.70	-324.85	124.54	321.92	1.37	-1.37	-1.68
44	4205.00	3.00	165.10	4184.56	-329.80	126.01	326.83	0.37	-0.32	3.40
45	4299.00	3.20	163.70	4278.42	-334.69	127.38	331.70	0.23	0.21	-1.49
46	4394.00	2.50	182.30	4373.30	-339.31	128.04	336.29	1.21	-0.74	19.58
47	4488.00	1.90	198.70	4467.24	-342.83	127.46	339.83	0.92	-0.64	17.45
48	4582.00	1.80	215.70	4561.19	-345.51	126.10	342.54	0.59	-0.11	18.09
49	4676.00	1.60	216.20	4655.15	-347.77	124.46	344.83	0.21	-0.21	0.53
50	4771.00	1.80	212.20	4750.10	-350.10	122.88	347.20	0.24	0.21	-4.21
51	4865.00	1.40	219.20	4844.07	-352.24	121.37	349.37	0.47	-0.43	7.45
52	4959.00	1.20	224.20	4938.04	-353.83	119.96	351.00	0.24	-0.21	5.32
53	5053.00	1.20	220.50	5032.02	-355.29	118.63	352.48	0.08	0.00	-3.94
54	5147.00	1.10	224.50	5126.00	-356.68	117.36	353.90	0.14	-0.11	4.26
55	5241.00	1.10	218.40	5219.99	-358.03	116.17	355.28	0.12	0.00	-6.49
56	5336.00	1.20	214.80	5314.97	-359.56	115.04	356.84	0.13	0.11	-3.79
57	5429.00	1.20	221.70	5407.95	-361.09	113.83	358.39	0.16	0.00	7.42
58	5523.00	1.40	218.90	5501.92	-362.72	112.46	360.05	0.22	0.21	-2.98

Operator / Cust.:	RKI Exploration	Date:	21-Feb-15
Well Name and No.:	RDX Federal Com 17-16H	MWD Operator:	Logan Elliott/Eric Lovelace
County, State:	Eddy, New Mexico	Hole Size:	6 1/8
Drlg. Contractor:	Pioneer 14	Location:	17-26S-30E
Field or Block No.:	Blackhawk	Survey Reference:	Grid North
API No.:	39-015-41089	Declination:	7.29°
Permit No.:		Job No.:	RDS 15-001

Target Coordinates			Final Survey Closure	
TVD	N / -S	E / -W	Inclination	Azimuth
10,749.00'	-4,753.10'	-108.40'	93.10'	182.90°

Tie-In Survey:	DrillTech	Sectional Method Survey Calculations				Rates / 100' M.D.	
Surveying Company:	Ranger Directional	Proposed Azimuth: 181.31°				Build or	R or -L

Sur. No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	SECT.	DLS / 100'	Build or	R or -L
TIE - IN	0.00	0.00	0.00						0.00	0.00
59	5618.00	1.60	228.00	5596.89	-364.51	110.74	361.88	0.33	0.21	9.58
60	5712.00	1.90	254.00	-5690.85	-365.82	108.27	363.25	0.89	0.32	27.66
61	5806.00	1.80	277.90	5784.80	-366.04	105.31	363.54	0.82	-0.11	25.43
62	5900.00	1.10	296.90	5878.77	-365.43	103.04	362.98	0.89	-0.74	20.21
63	5994.00	0.90	312.20	5972.76	-364.53	101.69	362.11	0.35	-0.21	16.28
64	6088.00	0.90	302.60	6066.74	-363.63	100.52	361.24	0.16	0.00	-10.21
65	6182.00	0.70	291.70	6160.73	-363.02	99.37	360.66	0.27	-0.21	-11.60
66	6276.00	0.70	298.00	6254.73	-362.54	98.33	360.20	0.08	0.00	6.70
67	6370.00	0.50	293.10	6348.72	-362.11	97.44	359.79	0.22	-0.21	-5.21
68	6464.00	0.50	289.70	6442.72	-361.81	96.68	359.51	0.03	0.00	-3.62
69	6559.00	0.20	280.10	6537.72	-361.64	96.12	359.35	0.32	-0.32	-10.11
70	6653.00	0.40	308.40	6631.72	-361.41	95.71	359.13	0.26	0.21	30.11
71	6747.00	0.00	285.20	6725.71	-361.21	95.45	358.93	0.43	-0.43	-24.68
72	6841.00	0.20	223.30	6819.71	-361.33	95.34	359.05	0.21	0.21	-65.85
73	6935.00	0.40	201.00	6913.71	-361.75	95.11	359.48	0.24	0.21	-23.72
74	7030.00	0.40	191.60	7008.71	-362.39	94.92	360.12	0.07	0.00	-9.89
75	7124.00	0.50	188.10	7102.71	-363.11	94.80	360.85	0.11	0.11	-3.72
76	7218.00	0.70	184.10	7196.70	-364.09	94.70	361.83	0.22	0.21	-4.26
77	7312.00	0.50	179.50	7290.70	-365.08	94.66	362.82	0.22	-0.21	-4.89
78	7406.00	0.70	214.70	7384.69	-365.96	94.34	363.71	0.44	0.21	37.45
79	7501.00	1.10	220.50	7479.68	-367.13	93.41	364.90	0.43	0.42	6.11
80	7595.00	1.60	227.30	7573.65	-368.71	91.86	366.51	0.56	0.53	7.23
81	7689.00	1.40	244.40	7667.62	-370.09	89.86	367.94	0.52	-0.21	18.19
82	7783.00	1.80	250.20	7761.59	-371.09	87.44	368.99	0.46	0.43	6.17
83	7878.00	1.80	249.10	7856.54	-372.13	84.64	370.09	0.04	0.00	-1.16
84	7972.00	2.50	260.90	7950.47	-372.98	81.24	371.02	0.88	0.74	12.55
85	8067.00	2.30	264.40	8045.39	-373.49	77.29	371.63	0.26	-0.21	3.68
86	8160.00	1.40	252.60	8138.34	-374.01	74.35	372.21	1.05	-0.97	-12.69
87	8254.00	1.40	240.20	8232.31	-374.93	72.26	373.18	0.32	0.00	-13.19
88	8351.00	1.40	238.60	8329.28	-376.13	70.22	374.43	0.04	0.00	-1.65
89	8445.00	1.40	239.50	8423.26	-377.31	68.25	375.65	0.02	0.00	0.96
90	8540.00	1.60	249.30	8518.22	-378.37	66.01	376.76	0.34	0.21	10.32
91	8634.00	1.60	262.30	8612.19	-379.01	63.48	377.46	0.39	0.00	13.83
92	8728.00	1.40	281.50	8706.16	-378.96	61.06	377.46	0.57	-0.21	20.43
93	8822.00	1.20	294.10	8800.13	-378.33	59.03	376.88	0.37	-0.21	13.40
94	8916.00	1.40	295.20	8894.11	-377.44	57.10	376.03	0.21	0.21	1.17
95	9010.00	0.70	275.70	8988.09	-376.89	55.49	375.52	0.83	-0.74	-20.74
96	9104.00	0.70	242.40	9082.08	-377.10	54.41	375.76	0.43	0.00	-35.43
97	9198.00	0.90	232.10	9176.07	-377.82	53.31	376.50	0.26	0.21	-10.96
98	9293.00	0.90	221.30	9271.06	-378.84	52.23	377.54	0.18	0.00	-11.37
99	9387.00	0.70	234.20	9365.05	-379.73	51.28	378.46	0.29	-0.21	13.72
100	9481.00	1.40	279.20	9459.04	-379.88	49.68	378.64	1.10	0.74	47.87
101	9575.00	1.60	286.90	9553.01	-379.31	47.29	378.13	0.30	0.21	8.19
102	9669.00	1.40	295.40	9646.97	-378.44	45.00	377.31	0.32	-0.21	9.04
103	9763.00	1.20	293.20	9740.95	-377.56	43.06	376.48	0.22	-0.21	-2.34
104	9858.00	1.20	291.00	9835.93	-376.81	41.21	375.77	0.05	0.00	-2.32
DrillTech Surveys										
End Here	9983.00	1.40	274.10	9960.90	-376.23	38.47	375.26	0.34	0.16	-13.52
106	10059.00	1.70	262.40	10036.87	-376.32	36.43	375.39	0.57	0.39	-15.39
107	10090.00	1.70	257.90	10067.86	-376.47	35.52	375.56	0.43	0.00	-14.52
108	10121.00	3.40	207.70	10098.83	-377.38	34.64	376.49	8.56	5.48	-161.94
109	10153.00	6.40	193.70	10130.71	-379.96	33.78	379.09	10.02	9.38	-43.75
110	10184.00	10.30	186.20	10161.37	-384.39	33.07	383.54	13.04	12.58	-24.19
111	10215.00	13.40	177.30	10191.71	-390.74	32.94	389.88	11.58	10.00	-28.71
112	10247.00	17.10	171.00	10222.58	-399.09	33.85	398.21	12.65	11.56	-19.69
113	10278.00	19.90	170.10	10251.98	-408.79	35.47	407.88	9.08	9.03	-2.90
114	10310.00	22.90	167.20	10281.77	-420.23	37.79	419.26	9.94	9.38	-9.06
115	10341.00	26.00	166.30	10309.99	-432.72	40.73	431.67	10.07	10.00	-2.90
116	10373.00	28.50	165.10	10338.43	-446.91	44.36	445.78	8.00	7.81	-3.75
117	10404.00	30.20	166.40	10365.45	-461.64	48.09	460.42	5.86	5.48	4.19

Operator / Cust.:	RKI Exploration	Date:	21-Feb-15
Well Name and No.:	RDX Federal Com 17-16H	MWD Operator:	Logan Elliott/Eric Lovelace
County, State:	Eddy, New Mexico	Hole Size:	6 1/8
Drig. Contractor:	Pioneer 14	Location:	17-26S-30E
Field or Block No.:	Blackhawk	Survey Reference:	Grid North
API No.:	39-015-41089	Declination:	7.29°
Permit No.:		Job No.:	RDS 15-001

Target Coordinates			Final Survey Closure	
TVD	N / -S	E / -W	Inclination	Azimuth
10,749.00'	-4,753.10'	-108.40'	93.10'	182.90°

Tie-In Survey:	DrillTech	Sectional Method Survey Calculations				Rates / 100' M.D.				
Surveying Company:	Ranger Directional	Proposed Azimuth:			181.31°	Build or	R or -L			
Sur. No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	SECT.	DLS / 100'		Turn

TIE - IN	0.00	0.00	0.00						0.00	0.00
118	10436.00	33.60	166.60	10392.62	-478.08	52.04	476.77	10.63	10.63	0.62
119	10467.00	37.30	167.90	10417.87	-495.62	56.00	494.21	12.18	11.94	4.19
120	10498.00	39.80	170.80	10442.11	-514.60	59.55	513.10	9.95	8.06	9.35
121	10530.00	42.30	173.30	10466.24	-535.41	62.45	533.84	9.35	7.81	7.81
122	10561.00	45.30	176.10	10488.62	-556.77	64.42	555.15	11.52	9.68	9.03
123	10592.00	45.40	176.50	10510.40	-578.77	65.84	577.12	0.97	0.32	1.29
124	10624.00	44.80	176.00	10532.99	-601.39	67.32	599.70	2.18	-1.88	-1.56
125	10655.00	43.80	175.40	10555.18	-622.98	68.94	621.24	3.50	-3.23	-1.94
126	10687.00	43.10	174.70	10578.41	-644.91	70.84	643.12	2.65	-2.19	-2.19
127	10718.00	45.40	174.90	10600.61	-666.45	72.80	664.61	7.43	7.42	0.65
128	10749.00	47.80	177.10	10621.91	-688.91	74.36	687.03	9.30	7.74	7.10
129	10781.00	51.90	178.20	10642.54	-713.35	75.36	711.44	13.08	12.81	3.44
130	10812.00	55.40	180.10	10660.91	-738.31	75.72	736.38	12.32	11.29	6.13
131	10844.00	57.80	180.40	10678.53	-765.02	75.60	763.09	7.54	7.50	0.94
132	10875.00	60.40	180.40	10694.44	-791.62	75.42	789.68	8.39	8.39	0.00
133	10906.00	62.40	180.90	10709.28	-818.83	75.11	816.90	6.61	6.45	1.61
134	10938.00	65.00	180.60	10723.46	-847.51	74.73	845.58	8.17	8.13	-0.94
135	10969.00	68.50	181.10	10735.70	-875.99	74.31	874.06	11.39	11.29	1.61
136	11001.00	72.10	181.50	10746.48	-906.10	73.62	904.18	11.31	11.25	1.25
137	11032.00	76.30	182.30	10754.92	-935.91	72.63	934.00	13.77	13.55	2.58
138	11064.00	80.00	182.90	10761.49	-967.19	71.21	965.31	11.71	11.56	1.87
139	11095.00	83.10	183.60	10766.04	-997.80	69.47	995.95	10.25	10.00	2.26
140	11113.00	84.50	183.90	10767.99	-1015.65	68.30	1013.83	7.95	7.78	1.67
141	11144.00	87.00	183.30	10770.29	-1046.50	66.36	1044.71	8.29	8.06	-1.94
142	11176.00	88.20	183.40	10771.63	-1078.42	64.49	1076.67	3.76	3.75	0.31
143	11207.00	87.90	183.40	10772.68	-1109.35	62.65	1107.63	0.97	-0.97	0.00
144	11239.00	87.90	183.00	10773.85	-1141.28	60.87	1139.59	1.25	0.00	-1.25
145	11270.00	89.90	182.80	10774.45	-1172.23	59.30	1170.57	6.48	6.45	-0.65
146	11302.00	90.40	183.00	10774.36	-1204.19	57.68	1202.56	1.68	1.56	0.62
147	11333.00	90.50	183.20	10774.12	-1235.14	56.01	1233.54	0.72	0.32	0.65
148	11365.00	91.00	183.30	10773.70	-1267.09	54.19	1265.52	1.59	1.56	0.31
149	11396.00	90.60	182.50	10773.27	-1298.05	52.62	1296.50	2.89	-1.29	-2.58
150	11427.00	90.60	182.50	10772.94	-1329.01	51.27	1327.49	0.00	0.00	0.00
151	11459.00	90.10	182.50	10772.75	-1360.98	49.88	1359.49	1.56	-1.56	0.00
152	11522.00	91.00	182.50	10772.14	-1423.92	47.13	1422.47	1.43	1.43	0.00
153	11585.00	90.50	182.00	10771.32	-1486.87	44.66	1485.46	1.12	-0.79	-0.79
154	11648.00	90.50	181.90	10770.77	-1549.83	42.51	1548.45	0.16	0.00	-0.16
155	11711.00	90.10	181.30	10770.44	-1612.80	40.75	1611.45	1.14	-0.63	-0.95
156	11805.00	88.50	180.10	10771.59	-1706.78	39.60	1705.43	2.13	-1.70	-1.28
157	11899.00	88.90	179.70	10773.72	-1800.76	39.77	1799.38	0.60	0.43	-0.43
158	11993.00	89.40	179.60	10775.12	-1894.74	40.34	1893.33	0.54	0.53	-0.11
159	12087.00	90.50	179.80	10775.20	-1988.74	40.83	1987.29	1.19	1.17	0.21
160	12182.00	89.20	181.80	10775.45	-2083.73	39.51	2082.28	2.51	-1.37	2.11
161	12276.00	90.80	183.00	10775.45	-2177.64	35.57	2176.26	2.13	1.70	1.28
162	12371.00	90.50	183.20	10774.37	-2272.49	30.44	2271.20	0.38	-0.32	0.21
163	12276.00	90.80	183.00	10775.45	-2177.64	35.57	2176.26	-0.38	-0.32	0.21
164	12371.00	90.50	183.20	10774.37	-2272.49	30.44	2271.20	0.38	-0.32	0.21
165	12465.00	90.60	183.30	10773.47	-2366.34	25.11	2365.14	0.15	0.11	0.11
166	12559.00	92.90	184.30	10770.60	-2460.08	18.88	2459.00	2.67	2.45	1.06
167	12653.00	92.50	183.50	10766.17	-2553.76	12.49	2552.80	0.95	-0.43	-0.85
168	12747.00	92.60	183.40	10761.99	-2647.49	6.84	2646.65	0.15	0.11	-0.11
169	12842.00	91.60	182.60	10758.50	-2742.30	1.87	2741.54	1.35	-1.05	-0.84
170	12936.00	91.70	182.10	10755.80	-2836.18	-1.98	2835.48	0.54	0.11	-0.53
171	13030.00	89.30	182.20	10754.98	-2930.10	-5.50	2929.46	2.56	-2.55	0.11
172	13124.00	88.60	181.10	10756.70	-3024.05	-8.21	3023.44	1.39	-0.74	-1.17
173	13218.00	88.60	182.30	10759.00	-3117.97	-11.00	3117.41	1.28	0.00	1.28
174	13312.00	89.90	184.90	10760.23	-3211.77	-16.90	3211.32	3.09	1.38	2.77
175	13407	89.9	185.4	10760.39	-3306.39	-25.43	3306.10	0.53	0.00	0.53
176	13501	90.3	186.8	10760.23	-3399.85	-35.42	3399.77	1.55	0.43	1.49
177	13595	92.3	186.6	10758.10	-3493.18	-46.38	3493.33	2.14	2.13	-0.21
178	13689	90.9	184.2	10755.47	-3586.72	-55.22	3587.04	2.95	-1.49	-2.55

Operator / Cust.:	RKI Exploration	Date:	21-Feb-15
Well Name and No.:	RDX Federal Com 17-16H	MWD Operator:	Logan Elliott/Eric Lovelace
County, State:	Eddy, New Mexico	Hole Size:	6 1/8
Drlg. Contractor:	Pioneer 14	Location:	17-26S-30E
Field or Block No.:	Blackhawk	Survey Reference:	Grid North
API No.:	39-015-41089	Declination:	7.29°
Permit No.:		Job No.:	RDS 15-001

Target Coordinates			Final Survey Closure	
TVD	N / -S	E / -W	Inclination	Azimuth
10,749.00'	-4,753.10'	-108.40'	93.10'	182.90°

Tie-In Survey:						Sectional Method Survey Calculations				Rates / 100' M.D.	
Surveying Company:						Proposed Azimuth:				Build or	R or -L
Sur. No.	M.D.	INCL.	AZM.	TVD	N / -S	E / -W	SECT.	DLS / 100'		Turn	
TIE - IN	0.00	0.00	0.00						0.00	0.00	
179	13784	90.6	183.9	10754.23	-3681.47	-61.93	3681.93	0.45	-0.32	-0.32	
180	13878	89.8	183.6	10753.90	-3775.27	-68.08	3775.84	0.91	-0.85	-0.32	
181	13972	88.5	183.2	10755.29	-3869.09	-73.65	3869.77	1.45	-1.38	-0.43	
182	14066	87.8	182.6	10758.33	-3962.92	-78.40	3963.68	0.98	-0.74	-0.64	
183	14160	87.6	182.6	10762.10	-4056.75	-82.67	4057.58	0.21	-0.21	0.00	
184	14255	92.1	184.5	10762.35	-4151.54	-88.55	4152.48	5.14	4.74	2.00	
185	14349	91	183.1	10759.81	-4245.29	-94.77	4246.35	1.89	-1.17	-1.49	
186	14443	92.4	183.1	10757.02	-4339.11	-99.85	4340.26	1.49	1.49	0.00	
187	14537	92.3	183	10753.16	-4432.90	-104.85	4434.14	0.15	-0.11	-0.11	
188	14631	93.1	182.8	10748.74	-4526.67	-109.60	4528.00	0.88	0.85	-0.21	
189	14725	93.5	182.9	10743.33	-4620.40	-114.27	4621.81	0.44	0.43	0.11	
<u>Svy@TD</u>	14807	93.1	182.7	10738.61	-4702.17	-118.27	4703.64	0.55	-0.49	-0.24	
PTB	14856	93.1	182.7	10735.96	-4751.04	-120.57	4752.56	0.00	-0.49	-0.24	