

Plan: PLAN #1 PRELIMINARY (Cheese State 27N-21HZ/OH)
Created By: R.Scott Date: 9:46, October 13 2014



Scientific Drilling

US ROCKIES WATTENBERG PLANNING

WELD-NAD83-UTMFT13N

Cheese 1-28HZ PAD

Cheese State 27N-21HZ

OH

Plan: PLAN #1 PRELIMINARY

Standard Planning Report

13 October, 2014

Database:	Denver Sales	Local Co-ordinate Reference:	Well Cheese State 27N-21HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Site:	Cheese 1-28HZ PAD	North Reference:	True
Well:	Cheese State 27N-21HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Project	WELD-NAD83-UTMFT13N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		

Site	Cheese 1-28HZ PAD, SECTION 28 T3N R65W			
Site Position:		Northing:	14,600,657.57 usft	Latitude: 40.2025140
From:	Lat/Long	Easting:	1,734,684.02 usft	Longitude: -104.6623930
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.22 °

Well	Cheese State 27N-21HZ, 428' FNL 875' FEL			
Well Position	+N/-S	0.00 ft	Northing:	14,600,657.57 usft
	+E/-W	0.00 ft	Easting:	1,734,684.02 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level: 4,818.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	10/9/2014	8.44	66.79	52,582

Design	PLAN #1 PRELIMINARY			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	0.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,315.00	0.00	0.00	1,315.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,814.94	10.00	251.01	1,812.41	-14.16	-41.14	2.00	2.00	0.00	251.01	
3,009.26	10.00	251.01	2,988.59	-81.64	-237.23	0.00	0.00	0.00	0.00	
3,509.21	0.00	0.00	3,486.00	-95.80	-278.37	2.00	-2.00	0.00	180.00	
6,439.25	0.00	0.00	6,416.04	-95.80	-278.37	0.00	0.00	0.00	0.00	
7,338.14	89.89	0.00	6,989.00	476.05	-278.37	10.00	10.00	0.00	0.00	
12,513.84	89.89	0.00	6,999.00	5,651.74	-278.37	0.00	0.00	0.00	0.00	PBHL_Cheese State :

Database:	Denver Sales	Local Co-ordinate Reference:	Well Cheese State 27N-21HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Site:	Cheese 1-28HZ PAD	North Reference:	True
Well:	Cheese State 27N-21HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
614.00	0.00	0.00	614.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Fox Hills									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,115.00	0.00	0.00	1,115.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,315.00	0.00	0.00	1,315.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,400.00	1.70	251.01	1,399.99	-0.41	-1.19	-0.41	2.00	2.00	0.00
1,500.00	3.70	251.01	1,499.87	-1.94	-5.65	-1.94	2.00	2.00	0.00
1,600.00	5.70	251.01	1,599.53	-4.61	-13.39	-4.61	2.00	2.00	0.00
1,700.00	7.70	251.01	1,698.84	-8.41	-24.43	-8.41	2.00	2.00	0.00
1,800.00	9.70	251.01	1,797.69	-13.33	-38.73	-13.33	2.00	2.00	0.00
1,814.94	10.00	251.01	1,812.41	-14.16	-41.14	-14.16	2.00	2.00	0.00
Start 1194.32 hold at 1814.94 MD									
1,900.00	10.00	251.01	1,896.17	-18.97	-55.11	-18.97	0.00	0.00	0.00
2,000.00	10.00	251.01	1,994.66	-24.62	-71.53	-24.62	0.00	0.00	0.00
2,100.00	10.00	251.01	2,093.14	-30.27	-87.94	-30.27	0.00	0.00	0.00
2,200.00	10.00	251.01	2,191.62	-35.92	-104.36	-35.92	0.00	0.00	0.00
2,300.00	10.00	251.01	2,290.10	-41.57	-120.78	-41.57	0.00	0.00	0.00
2,400.00	10.00	251.01	2,388.58	-47.22	-137.20	-47.22	0.00	0.00	0.00
2,500.00	10.00	251.01	2,487.06	-52.87	-153.62	-52.87	0.00	0.00	0.00
2,600.00	10.00	251.01	2,585.54	-58.52	-170.03	-58.52	0.00	0.00	0.00
2,700.00	10.00	251.01	2,684.02	-64.17	-186.45	-64.17	0.00	0.00	0.00
2,800.00	10.00	251.01	2,782.50	-69.82	-202.87	-69.82	0.00	0.00	0.00
2,900.00	10.00	251.01	2,880.99	-75.47	-219.29	-75.47	0.00	0.00	0.00
3,000.00	10.00	251.01	2,979.47	-81.12	-235.70	-81.12	0.00	0.00	0.00
3,009.26	10.00	251.01	2,988.59	-81.64	-237.23	-81.64	0.00	0.00	0.00
Start Drop -2.00									
3,100.00	8.18	251.01	3,078.18	-86.31	-250.78	-86.31	2.00	-2.00	0.00
3,200.00	6.18	251.01	3,177.39	-90.38	-262.61	-90.38	2.00	-2.00	0.00
3,300.00	4.18	251.01	3,276.98	-93.32	-271.15	-93.32	2.00	-2.00	0.00
3,400.00	2.18	251.01	3,376.82	-95.12	-276.40	-95.12	2.00	-2.00	0.00
3,500.00	0.18	251.01	3,476.79	-95.80	-278.36	-95.80	2.00	-2.00	0.00
3,509.21	0.00	0.00	3,486.00	-95.80	-278.37	-95.80	2.00	-2.00	0.00
Start 2930.04 hold at 3509.21 MD									
3,600.00	0.00	0.00	3,576.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
3,700.00	0.00	0.00	3,676.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
3,795.21	0.00	0.00	3,772.00	-95.80	-278.37	-95.80	0.00	0.00	0.00
Parkman									
3,800.00	0.00	0.00	3,776.79	-95.80	-278.37	-95.80	0.00	0.00	0.00

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Project:	WELD-NAD83-UTMFT13N	MD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
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Well:	Cheese State 27N-21HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,900.00	0.00	0.00	3,876.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,000.00	0.00	0.00	3,976.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,100.00	0.00	0.00	4,076.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,199.21	0.00	0.00	4,176.00	-95.80	-278.37	-95.80	0.00	0.00	0.00
Sussex									
4,200.00	0.00	0.00	4,176.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,300.00	0.00	0.00	4,276.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,400.00	0.00	0.00	4,376.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,500.00	0.00	0.00	4,476.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,600.00	0.00	0.00	4,576.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,700.00	0.00	0.00	4,676.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,800.00	0.00	0.00	4,776.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
4,900.00	0.00	0.00	4,876.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,000.00	0.00	0.00	4,976.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,100.00	0.00	0.00	5,076.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,200.00	0.00	0.00	5,176.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,300.00	0.00	0.00	5,276.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,400.00	0.00	0.00	5,376.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,500.00	0.00	0.00	5,476.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,600.00	0.00	0.00	5,576.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,700.00	0.00	0.00	5,676.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,800.00	0.00	0.00	5,776.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
5,900.00	0.00	0.00	5,876.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
6,000.00	0.00	0.00	5,976.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
6,100.00	0.00	0.00	6,076.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
6,200.00	0.00	0.00	6,176.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
6,300.00	0.00	0.00	6,276.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
6,400.00	0.00	0.00	6,376.79	-95.80	-278.37	-95.80	0.00	0.00	0.00
6,439.25	0.00	0.00	6,416.04	-95.80	-278.37	-95.80	0.00	0.00	0.00
Start DLS 10.00 TFO 0.00									
6,500.00	6.08	0.00	6,476.68	-92.58	-278.37	-92.58	10.00	10.00	0.00
6,600.00	16.08	0.00	6,574.69	-73.40	-278.37	-73.40	10.00	10.00	0.00
6,700.00	26.08	0.00	6,667.88	-37.48	-278.37	-37.48	10.00	10.00	0.00
6,800.00	36.08	0.00	6,753.42	14.07	-278.37	14.07	10.00	10.00	0.00
6,849.34	41.01	0.00	6,792.00	44.80	-278.37	44.80	10.00	10.00	0.00
SSPG									
6,900.00	46.08	0.00	6,828.71	79.69	-278.37	79.69	10.00	10.00	0.00
6,939.32	50.01	0.00	6,855.00	108.93	-278.37	108.93	10.00	10.00	0.00
NBRR									
7,000.00	56.08	0.00	6,891.46	157.39	-278.37	157.39	10.00	10.00	0.00
7,011.90	57.26	0.00	6,898.00	167.33	-278.37	167.33	10.00	10.00	0.00
N470_B_CK									
7,100.00	66.08	0.00	6,939.77	244.80	-278.37	244.80	10.00	10.00	0.00
7,187.42	74.82	0.00	6,969.00	327.10	-278.37	327.10	10.00	10.00	0.00
N700_C_CK									
7,200.00	76.08	0.00	6,972.16	339.28	-278.37	339.28	10.00	10.00	0.00
7,300.00	86.08	0.00	6,987.66	437.94	-278.37	437.94	10.00	10.00	0.00
7,338.14	89.89	0.00	6,989.00	476.05	-278.37	476.05	10.00	10.00	0.00
Start 5175.69 hold at 7338.14 MD - 7" (50 FSL 1152 FEL)									
7,400.00	89.89	0.00	6,989.12	537.91	-278.37	537.91	0.00	0.00	0.00
7,500.00	89.89	0.00	6,989.31	637.91	-278.37	637.91	0.00	0.00	0.00
7,600.00	89.89	0.00	6,989.50	737.91	-278.37	737.91	0.00	0.00	0.00
7,700.00	89.89	0.00	6,989.70	837.91	-278.37	837.91	0.00	0.00	0.00

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Project:	WELD-NAD83-UTMFT13N	MD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Site:	Cheese 1-28HZ PAD	North Reference:	True
Well:	Cheese State 27N-21HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,800.00	89.89	0.00	6,989.89	937.91	-278.37	937.91	0.00	0.00	0.00
7,900.00	89.89	0.00	6,990.08	1,037.91	-278.37	1,037.91	0.00	0.00	0.00
8,000.00	89.89	0.00	6,990.28	1,137.91	-278.37	1,137.91	0.00	0.00	0.00
8,100.00	89.89	0.00	6,990.47	1,237.91	-278.37	1,237.91	0.00	0.00	0.00
8,200.00	89.89	0.00	6,990.66	1,337.91	-278.37	1,337.91	0.00	0.00	0.00
8,300.00	89.89	0.00	6,990.86	1,437.91	-278.37	1,437.91	0.00	0.00	0.00
8,400.00	89.89	0.00	6,991.05	1,537.91	-278.37	1,537.91	0.00	0.00	0.00
8,500.00	89.89	0.00	6,991.24	1,637.91	-278.37	1,637.91	0.00	0.00	0.00
8,600.00	89.89	0.00	6,991.44	1,737.91	-278.37	1,737.91	0.00	0.00	0.00
8,700.00	89.89	0.00	6,991.63	1,837.91	-278.37	1,837.91	0.00	0.00	0.00
8,800.00	89.89	0.00	6,991.82	1,937.91	-278.37	1,937.91	0.00	0.00	0.00
8,900.00	89.89	0.00	6,992.02	2,037.91	-278.37	2,037.91	0.00	0.00	0.00
9,000.00	89.89	0.00	6,992.21	2,137.91	-278.37	2,137.91	0.00	0.00	0.00
9,100.00	89.89	0.00	6,992.40	2,237.91	-278.37	2,237.91	0.00	0.00	0.00
9,200.00	89.89	0.00	6,992.60	2,337.91	-278.37	2,337.91	0.00	0.00	0.00
9,300.00	89.89	0.00	6,992.79	2,437.91	-278.37	2,437.91	0.00	0.00	0.00
9,400.00	89.89	0.00	6,992.98	2,537.91	-278.37	2,537.91	0.00	0.00	0.00
9,500.00	89.89	0.00	6,993.18	2,637.91	-278.37	2,637.91	0.00	0.00	0.00
9,600.00	89.89	0.00	6,993.37	2,737.91	-278.37	2,737.91	0.00	0.00	0.00
9,700.00	89.89	0.00	6,993.56	2,837.91	-278.37	2,837.91	0.00	0.00	0.00
9,800.00	89.89	0.00	6,993.76	2,937.90	-278.37	2,937.90	0.00	0.00	0.00
9,900.00	89.89	0.00	6,993.95	3,037.90	-278.37	3,037.90	0.00	0.00	0.00
10,000.00	89.89	0.00	6,994.14	3,137.90	-278.37	3,137.90	0.00	0.00	0.00
10,100.00	89.89	0.00	6,994.34	3,237.90	-278.37	3,237.90	0.00	0.00	0.00
10,200.00	89.89	0.00	6,994.53	3,337.90	-278.37	3,337.90	0.00	0.00	0.00
10,300.00	89.89	0.00	6,994.72	3,437.90	-278.37	3,437.90	0.00	0.00	0.00
10,400.00	89.89	0.00	6,994.92	3,537.90	-278.37	3,537.90	0.00	0.00	0.00
10,500.00	89.89	0.00	6,995.11	3,637.90	-278.37	3,637.90	0.00	0.00	0.00
10,600.00	89.89	0.00	6,995.30	3,737.90	-278.37	3,737.90	0.00	0.00	0.00
10,700.00	89.89	0.00	6,995.49	3,837.90	-278.37	3,837.90	0.00	0.00	0.00
10,800.00	89.89	0.00	6,995.69	3,937.90	-278.37	3,937.90	0.00	0.00	0.00
10,900.00	89.89	0.00	6,995.88	4,037.90	-278.37	4,037.90	0.00	0.00	0.00
11,000.00	89.89	0.00	6,996.07	4,137.90	-278.37	4,137.90	0.00	0.00	0.00
11,100.00	89.89	0.00	6,996.27	4,237.90	-278.37	4,237.90	0.00	0.00	0.00
11,200.00	89.89	0.00	6,996.46	4,337.90	-278.37	4,337.90	0.00	0.00	0.00
11,300.00	89.89	0.00	6,996.65	4,437.90	-278.37	4,437.90	0.00	0.00	0.00
11,400.00	89.89	0.00	6,996.85	4,537.90	-278.37	4,537.90	0.00	0.00	0.00
11,500.00	89.89	0.00	6,997.04	4,637.90	-278.37	4,637.90	0.00	0.00	0.00
11,600.00	89.89	0.00	6,997.23	4,737.90	-278.37	4,737.90	0.00	0.00	0.00
11,700.00	89.89	0.00	6,997.43	4,837.90	-278.37	4,837.90	0.00	0.00	0.00
11,800.00	89.89	0.00	6,997.62	4,937.90	-278.37	4,937.90	0.00	0.00	0.00
11,900.00	89.89	0.00	6,997.81	5,037.90	-278.37	5,037.90	0.00	0.00	0.00
12,000.00	89.89	0.00	6,998.01	5,137.90	-278.37	5,137.90	0.00	0.00	0.00
12,100.00	89.89	0.00	6,998.20	5,237.90	-278.37	5,237.90	0.00	0.00	0.00
12,200.00	89.89	0.00	6,998.39	5,337.90	-278.37	5,337.90	0.00	0.00	0.00
12,300.00	89.89	0.00	6,998.59	5,437.90	-278.37	5,437.90	0.00	0.00	0.00
12,400.00	89.89	0.00	6,998.78	5,537.90	-278.37	5,537.90	0.00	0.00	0.00
12,500.00	89.89	0.00	6,998.97	5,637.90	-278.37	5,637.90	0.00	0.00	0.00
12,513.84	89.89	0.00	6,999.00	5,651.74	-278.37	5,651.74	0.00	0.00	0.00
TD at 12513.84									

Database:	Denver Sales	Local Co-ordinate Reference:	Well Cheese State 27N-21HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	GL 4818 & KB 17 @ 4835.00ft (ASSUMED)
Site:	Cheese 1-28HZ PAD	North Reference:	True
Well:	Cheese State 27N-21HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
PBHL_Cheese State 27I	0.00	0.00	6,999.00	5,651.74	-278.37	14,606,308.19	1,734,384.15	40.2180340	-104.6633901
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(in)	(in)
1,115.00	1,115.00	9 5/8"		9.625	13.500
7,338.14	6,989.00	7" (50 FSL 1152 FEL)		0.000	8.750

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
614.00	612.00	Base Fox Hills			
3,795.21	3,770.00	Parkman			
4,199.21	4,174.00	Sussex			
6,849.34	6,790.00	SSPG			
6,939.32	6,853.00	NBRR			
7,011.90	6,896.00	N470_B_CK			
7,187.42	6,967.00	N700_C_CK			

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
1,315.00	1,315.00	0.00	0.00	Start Build 2.00
1,814.94	1,812.41	-14.16	-41.14	Start 1194.32 hold at 1814.94 MD
3,009.26	2,988.59	-81.64	-237.23	Start Drop -2.00
3,509.21	3,486.00	-95.80	-278.37	Start 2930.04 hold at 3509.21 MD
6,439.25	6,416.04	-95.80	-278.37	Start DLS 10.00 TFO 0.00
7,338.14	6,989.00	476.05	-278.37	Start 5175.69 hold at 7338.14 MD
12,513.84	6,999.00	5,651.74	-278.37	TD at 12513.84