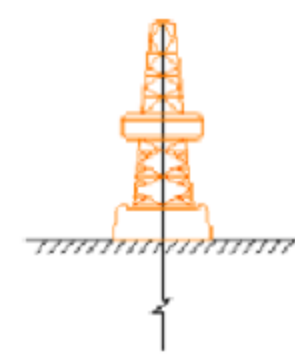
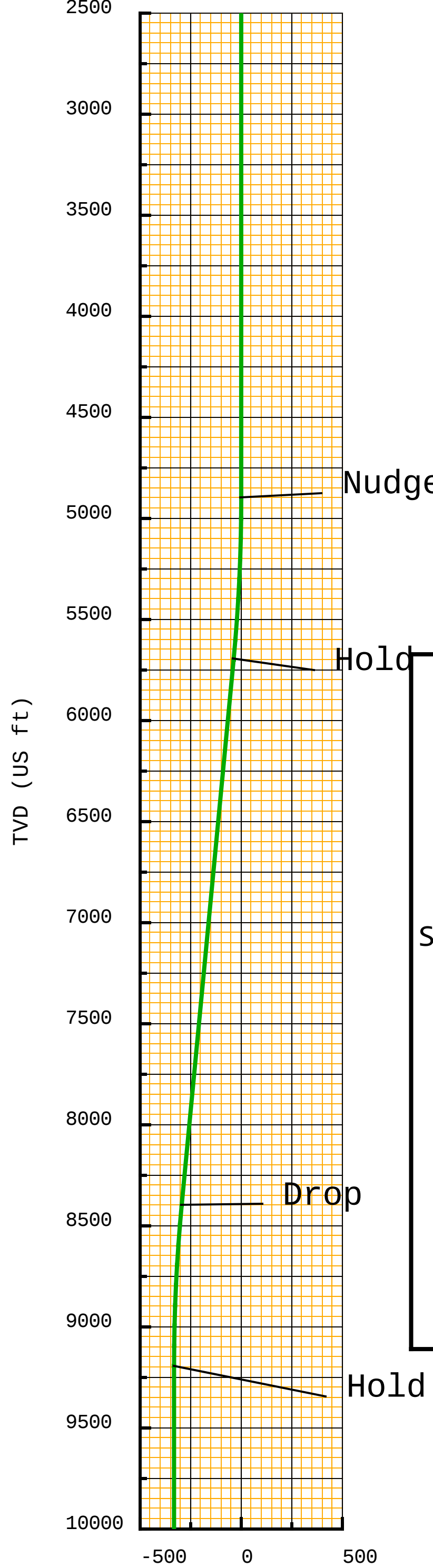




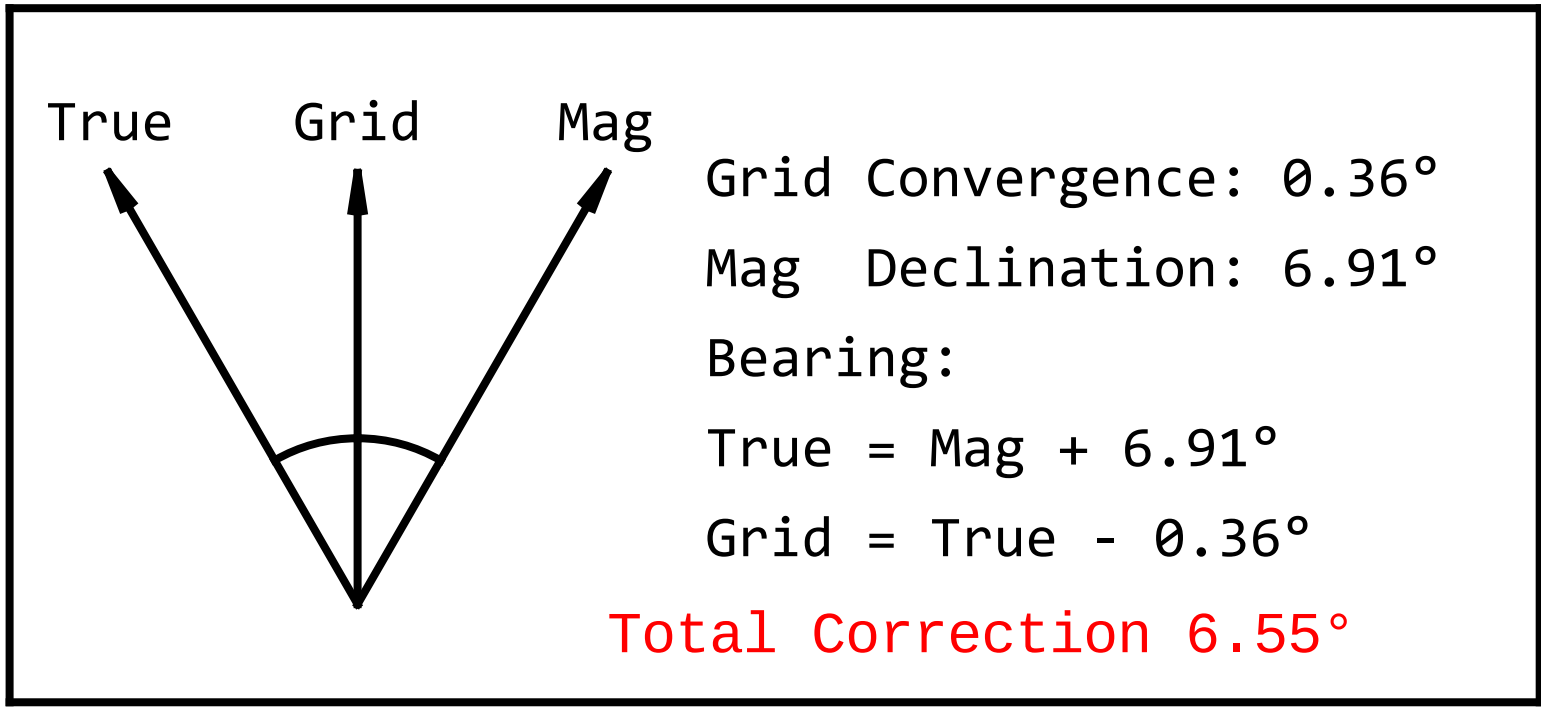
Apache Corporation
Ghost Rider 22-15 FED COM 201H
Lea Co., New Mexico
Plan P1:V2



KB: 3616.00
GL: 3590.00



VS (US ft)(Bearing:2.34° Scale:500USft/in)



Plan Data for Ghost Rider 22-15 FED COM 201H						
Target Set Information:						
Name: GR 22-15 FC 201H						
Position offsets from Slot centre						
Name	TVD	Elevation	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
S Tgt 201H	10031.14	-6415.14	-346.57	347.73	435686.33	751152.23
T1-477	10506.00	-6890.00	463.61	343.10	436496.51	751147.60
T2-1227	10500.00	-6884.00	1214.59	338.80	437247.49	751143.30
T3-2333	10497.00	-6881.00	2321.58	332.47	438354.48	751136.97
T4-3100	10497.00	-6881.00	3089.53	328.08	439122.43	751132.58
T5-3977	10488.00	-6872.00	3967.47	323.06	440000.37	751127.56
T6-5083	10466.00	-6850.00	5074.43	316.73	441107.33	751121.23
T7-5942	10457.00	-6841.00	5934.42	311.81	441967.32	751116.31
T8-6736	10442.00	-6826.00	6729.40	307.27	442762.30	751111.77
T9-7435	10437.00	-6821.00	7429.39	303.26	443462.29	751107.76
PBHL 201H	10437.00	-6821.00	7472.90	303.01	443505.80	751107.51

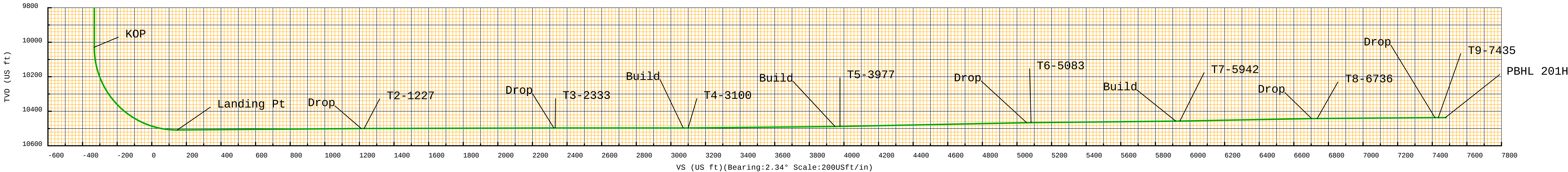
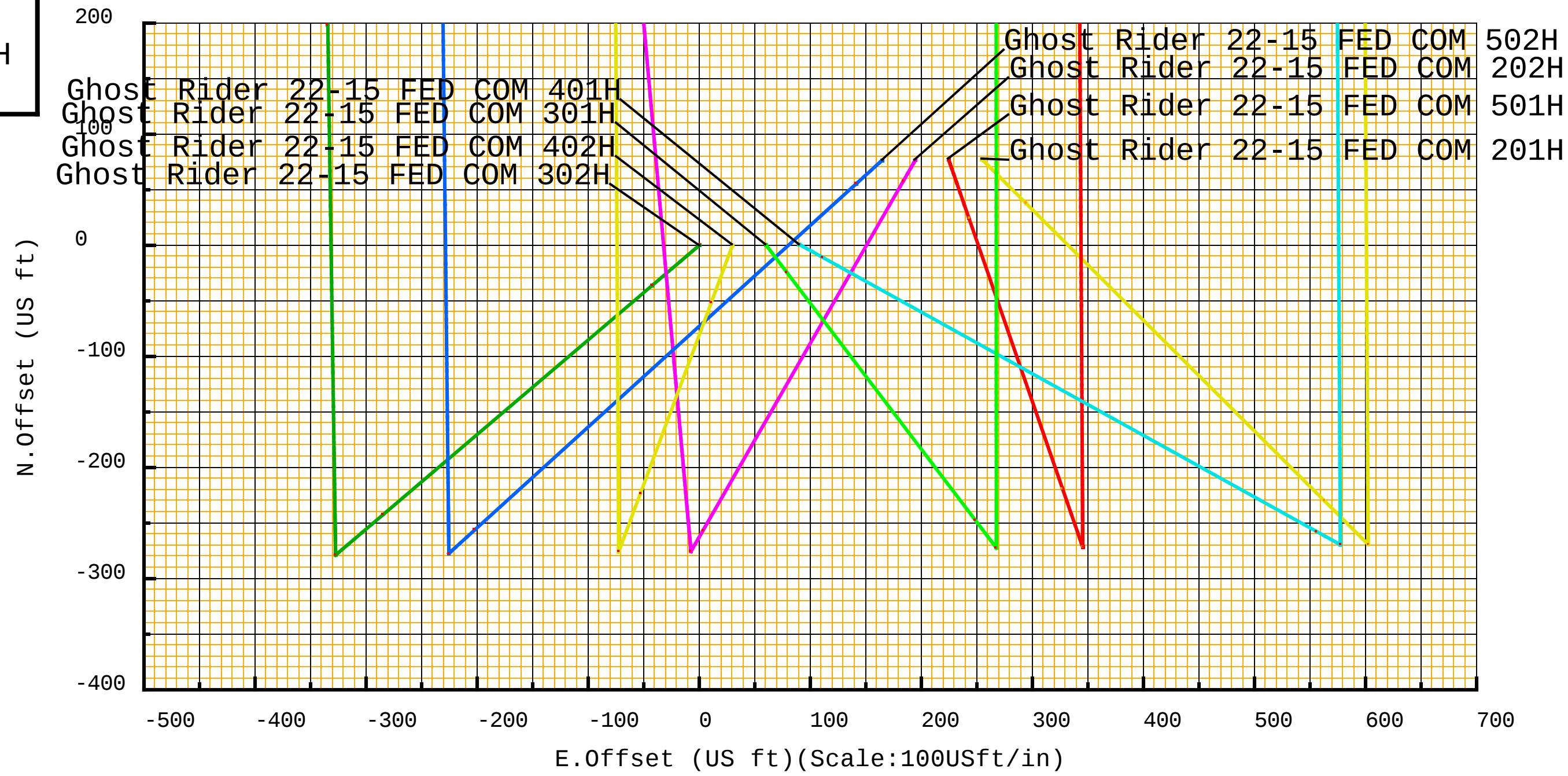
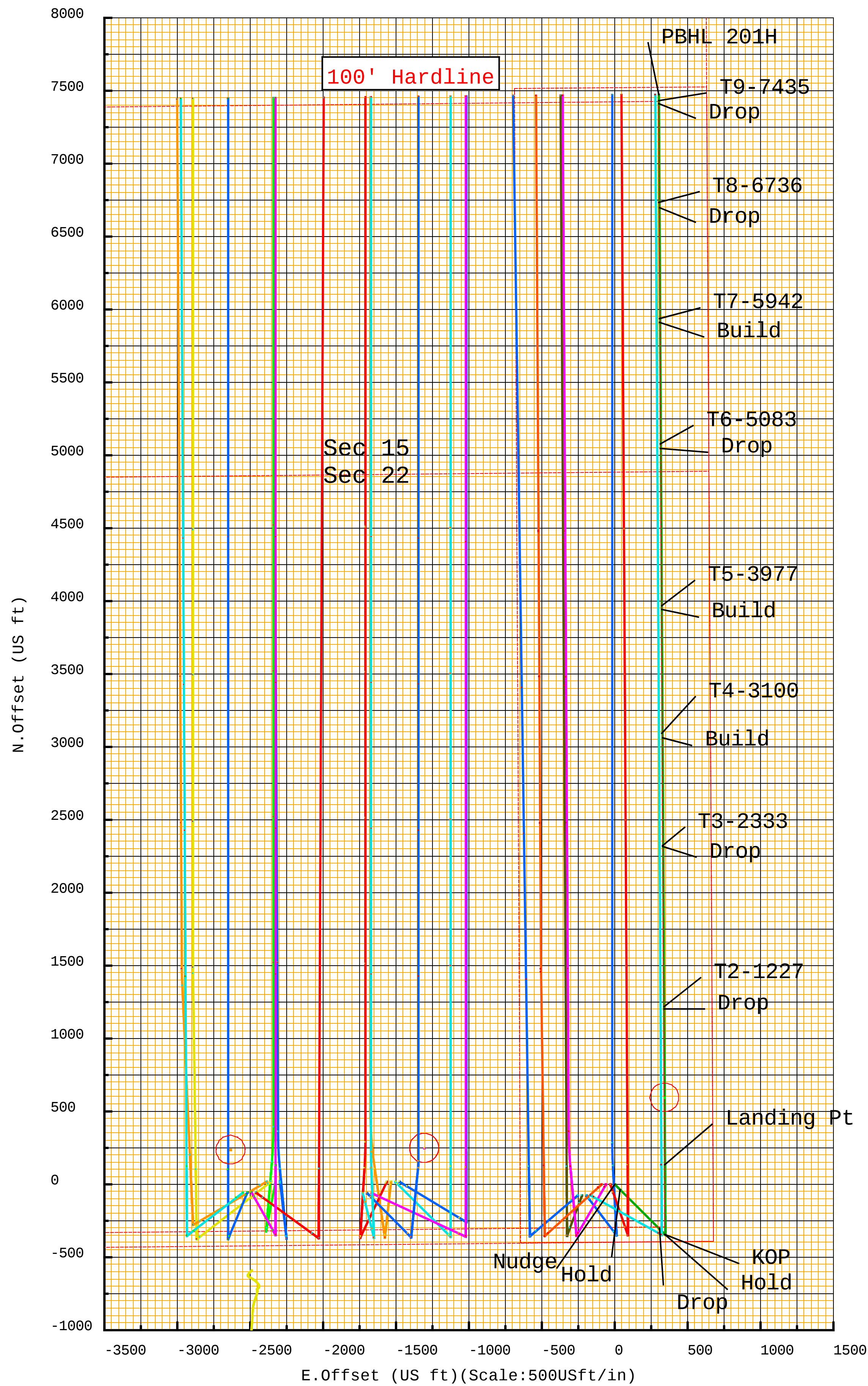
Plan Data for Ghost Rider 22-15 FED COM 201H	
Field: Apache NM (Nad 83 NMEZ)	
Map Unit: USFt	Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)	
Site: Ghost Rider Pad 1S	
Unit: USFeet	TVD Reference:
Company Name: Apache Corporation	
Position:	Northing: 436032.90USft Latitude: 32.196919°
	Easting: 750804.50USft Longitude: -103.656163°
North Reference: Grid	
	Grid Convergence: 0.36°
	Elevation Above VRD: 3590.00USft
Comment: Lea Co., NM	
Slot: Ghost Rider 22-15 FED COM 201H	
Position:	
Offset is from Site centre	
+N/-S: 0.00USft	Northing: 436032.90USft Latitude: 32.196919°
+E/-W: 0.00USft	Easting: 750804.50USft Longitude: -103.656163°
Elevation Above VRD: 3590.00USft	
Well: Ghost Rider 22-15 FED COM 201H	
Type: Main-Well	
File Number:	
Plan Folder: P1	Plan: P1:V2
Vertical Section: Position offset of origin from Slot centre:	
+N/-S: -0.00USft	Azimuth: 2.34°
+E/-W: 0.00USft	
Magnetic Parameters:	
Model: Field Strength: Declination: Dip: Date:	
bggm2018 47800(nT) 6.91° 59.95° 2018-12-01	
Comment: H&P 482	

Plan Data for Ghost Rider 22-15 FED COM 201H			
Formation Point Information:			
Name	TVD	Elevation	MD
(USft)	(USft)	(USft)	(USft)
3rd BSC	10976.00	-7360.00	-1.00
Rustler	1076.00	2540.00	1076.00
Salado	2296.00	1320.00	2296.00
Castile	3386.00	230.00	3386.00
Delaware	4886.00	-1270.00	4886.00
Avalon	8736.00	-5120.00	8767.25
1st BSC	9656.00	-6040.00	9687.74
1st BSS	9896.00	-6280.00	9927.74
2nd BSC	10056.00	-6440.00	10087.75
2nd BSS	10476.00	-6860.00	10635.40

Plan Data for Ghost Rider 22-15 FED COM 201H											
Plan Point Information:											
DogLeg Severity Unit: °/100.00ft											
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS	Comments	
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)		
0.00	0.00	0.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	0.00		
4900.00	0.00	0.00	4900.00	-0.00	0.00	436032.90	750804.50	0.00	0.00	Nudge	
5700.30	8.00	134.90	5697.70	-39.39	39.52	435993.51	750844.02	-37.74	1.00	Hold	
8424.98	8.00	134.90	8395.84	-307.18	308.21	435725.72	751112.71	-294.34	0.00	Drop	
9225.28	0.00	0.00	9193.54	-346.57	347.73	435686.33	751152.23	-332.08	1.00	Hold	
10062.88	0.00	0.00	10031.14	-346.57	347.73	435686.33	751152.23	-332.08	0.00	KOP	
10816.69	90.46	359.67	10508.59	134.70	344.98	436167.60	751149.48	148.68	12.00	Landing Pt	
11881.53	90.46	359.67	10500.08	1199.49	338.89	437232.39	751143.39	1212.33	0.00	Drop	
11896.63	90.16	359.67	10500.00	1214.59	338.80	437247.49	751143.30	1227.41	2.00	T2-1227	
12995.28	90.16	359.67	10497.01	2313.22	332.52	438346.12	751137.02	2324.87	0.00	Drop	
13003.64	89.99	359.67	10497.00	2321.58	332.47	438354.48	751136.97	2333.22	2.00	T3-2333	
13742.13	89.99	359.67	10497.15	3060.06	328.25	439092.96	751132.75	3070.91	0.00	Build	
13771.61	90.58	359.67	10497.00	3089.53	328.08	439122.43	751132.58	3100.35	2.00	T4-3100	
14621.24	90.58	359.67	10488.43	3939.11	323.22	439972.01	751127.72	3949.02	0.00	Build	
14649.61	91.15	359.67	10488.00	3967.47	323.06	440000.37	751127.56	3977.35	2.00	T5-3977	
15729.14	91.15	359.67	10466.42	5046.77	316.89	441079.67	751121.39	5055.50	0.00	Drop	
15756.80	90.59	359.67	10466.00	5074.43	316.73	441107.33	751121.23	5083.13	2.00	T6-5083	
16591.69	90.59	359.67	10457.37	5909.26	311.95	441942.16	751116.45	5917.07	0.00	Build	
16616.86	91.10	359.67	10457.00	5934.42	311.81	441967.32	751116.31	5942.20	2.00	T7-5942	
17377.99	91.10	359.67	10442.45	6695.40	307.46	442728.30	751111.96	6702.37	0.00	Drop	
17411.99	90.42	359.67	10442.00	6729.40	307.27	442762.30	751111.77	6736.33	2.00	T8-6736	
18091.24	90.42	359.67	10437.08	7408.62	303.38	443441.52	751107.88	7414.83	0.00	Drop	
18112.01	90.00	359.67	10437.00	7429.39	303.26	443462.29	751107.76	7435.58	2.00	T9-7435	
18155.52	90.00	359.67	10437.00	7472.90	303.01	443505.80	751107.51	7479.04	0.00	PBHL 201H	

Plan Data for Ghost Rider 22-15 FED COM 201H											
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Drawing By: Ty Hardin Date: 5 July 2018
Office Name: Drilling Services - Houston
Address: 12101 Cutten Road
Houston, TX 77066
Phone: Office: +1.832.955.0032 | Cell: +1.713.882.8256



**5D Plan Report**

Apache Corporation**Field Name:** *Apache NM (Nad 83 NMEZ)***Site Name:** *Ghost Rider Pad 1S***Well Name:** *Ghost Rider 22-15 FED COM 201H***Plan:** *P1:V2*

24 July 2018





Ghost Rider 22-15 FED COM 201H

Field Name: Apache NM (Nad 83 NMEZ)	Map Units: US ft		Company Name: Apache Corporation				
	Vertical Reference Datum (VRD): Mean Sea Level						
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)						
	Comment:						
Site: Ghost Rider Pad 1S	Units: US ft	North Reference: Grid		Convergence Angle: 0.36			
	Position:	Northing: 436032.90 US ft		Latitude: 32.196918551			
		Easting: 750804.50 US ft		Longitude: -103.656162903			
	Elevation above MSL:3590.00 US ft						
Comment: Lea Co., NM							
Slot: Ghost Rider 22-15 FED COM 201H	Position (Relative to Site Centre)						
	+N/-S: 0.00 US ft	Northing: 436032.90 US ft		Latitude: 32.196918551			
	+E/-W: 0.00 US ft	Easting: 750804.50 US ft		Longitude: -103.656162903			
	Elevation above MSL: 3590.00 US ft						
	Comment:						
Well: Ghost Rider 22-15 FED COM 201H	Type:Main well		UWI:		Plan:P1:V2		
	File Number:	Comment: H&P 482					
	Closure Distance:7479.04US ft		Closure Azimuth:2.32°				
	Vertical Section: Position of Origin (Relative to Slot centre)						
	+N/-S: -0.00 US ft		+E/-W: 0.00 US ft		Az: 2.34°		
	Magnetic Parameters:						
	Model: bggm2018	Field Strength: 47800.9nT		Declination: 6.91°		Dip: 59.95°	Date: 01/Dec/2018

Drill floor: Plan: P1:V2

Rig Height (Well TVD Reference): **Elevation above MSL:** 3616.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°
26.00 US ft

Target set: GR 22-15 FC 201H Comment:								
Target Name:	Shape:	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (USft)	Easting (USft)	C.Pt.Distance (US ft)	Comment
S Tgt 201H	Point	10031.14	-346.57	347.73	435686.33	751152.23	0.00	
T1-477	Point	10506.00	463.61	343.10	436496.51	751147.60	0.04	
T2-1227	Point	10500.00	1214.59	338.80	437247.49	751143.30	0.00	
T3-2333	Point	10497.00	2321.58	332.47	438354.48	751136.97	0.00	
T4-3100	Point	10497.00	3089.53	328.08	439122.43	751132.58	0.00	
T5-3977	Point	10488.00	3967.47	323.06	440000.37	751127.56	0.00	
T6-5083	Point	10466.00	5074.43	316.73	441107.33	751121.23	0.00	
T7-5942	Point	10457.00	5934.42	311.81	441967.32	751116.31	0.00	
T8-6736	Point	10442.00	6729.40	307.27	442762.30	751111.77	0.00	

5D Plan Report

Target set: GR 22-15 FC 201H Comment:								
Target Name:	Shape:	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (USft)	Easting (USft)	C.Pt.Distance (US ft)	Comment
T9-7435	Point	10437.00	7429.39	303.26	443462.29	751107.76	0.00	
PBHL 201H	Point	10437.00	7472.90	303.01	443505.80	751107.51	0.00	

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

Salient Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
0.00	0.00	0.00	0.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4900.00	0.00	0.00	4900.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	Nudge
5700.30	8.00	134.90	5697.70	-37.74	-39.39	39.52	435993.51	750844.02	1.00	Hold
8424.98	8.00	134.90	8395.84	-294.34	-307.18	308.21	435725.72	751112.71	0.00	Drop
9225.28	0.00	0.00	9193.54	-332.08	-346.57	347.73	435686.33	751152.23	1.00	Hold
10062.88	0.00	0.00	10031.14	-332.08	-346.57	347.73	435686.33	751152.23	0.00	KOP
10816.69	90.46	359.67	10508.59	148.68	134.70	344.98	436167.60	751149.48	12.00	Landing Pt
11881.53	90.46	359.67	10500.08	1212.33	1199.49	338.89	437232.39	751143.39	0.00	Drop
11896.63	90.16	359.67	10500.00	1227.41	1214.59	338.80	437247.49	751143.30	2.00	T2-1227
12995.28	90.16	359.67	10497.01	2324.87	2313.22	332.52	438346.12	751137.02	0.00	Drop
13003.64	89.99	359.67	10497.00	2333.22	2321.58	332.47	438354.48	751136.97	2.00	T3-2333
13742.13	89.99	359.67	10497.15	3070.91	3060.06	328.25	439092.96	751132.75	0.00	Build
13771.61	90.58	359.67	10497.00	3100.35	3089.53	328.08	439122.43	751132.58	2.00	T4-3100
14621.24	90.58	359.67	10488.43	3949.02	3939.11	323.22	439972.01	751127.72	0.00	Build
14649.61	91.15	359.67	10488.00	3977.35	3967.47	323.06	440000.37	751127.56	2.00	T5-3977
15729.14	91.15	359.67	10466.42	5055.50	5046.77	316.89	441079.67	751121.39	0.00	Drop
15756.80	90.59	359.67	10466.00	5083.13	5074.43	316.73	441107.33	751121.23	2.00	T6-5083
16591.69	90.59	359.67	10457.37	5917.07	5909.26	311.95	441942.16	751116.45	0.00	Build
16616.86	91.10	359.67	10457.00	5942.20	5934.42	311.81	441967.32	751116.31	2.00	T7-5942
17377.99	91.10	359.67	10442.45	6702.37	6695.40	307.46	442728.30	751111.96	0.00	Drop
17411.99	90.42	359.67	10442.00	6736.33	6729.40	307.27	442762.30	751111.77	2.00	T8-6736
18091.24	90.42	359.67	10437.08	7414.83	7408.62	303.38	443441.52	751107.88	0.00	Drop
18112.01	90.00	359.67	10437.00	7435.58	7429.39	303.26	443462.29	751107.76	2.00	T9-7435
18155.52	90.00	359.67	10437.00	7479.04	7472.90	303.01	443505.80	751107.51	0.00	PBHL 201H

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
0.00	0.00	0.00	0.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
100.00	0.00	0.00	100.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
200.00	0.00	0.00	200.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
300.00	0.00	0.00	300.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
400.00	0.00	0.00	400.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
500.00	0.00	0.00	500.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
600.00	0.00	0.00	600.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
700.00	0.00	0.00	700.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
800.00	0.00	0.00	800.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
900.00	0.00	0.00	900.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1000.00	0.00	0.00	1000.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1076.00	0.00	0.00	1076.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	Rustler :
1100.00	0.00	0.00	1100.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1200.00	0.00	0.00	1200.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1300.00	0.00	0.00	1300.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1400.00	0.00	0.00	1400.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1500.00	0.00	0.00	1500.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1600.00	0.00	0.00	1600.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1700.00	0.00	0.00	1700.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
1800.00	0.00	0.00	1800.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
1900.00	0.00	0.00	1900.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2000.00	0.00	0.00	2000.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2100.00	0.00	0.00	2100.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2200.00	0.00	0.00	2200.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2296.00	0.00	0.00	2296.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	Salado :
2300.00	0.00	0.00	2300.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2400.00	0.00	0.00	2400.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2500.00	0.00	0.00	2500.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2600.00	0.00	0.00	2600.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2700.00	0.00	0.00	2700.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2800.00	0.00	0.00	2800.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
2900.00	0.00	0.00	2900.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3000.00	0.00	0.00	3000.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3100.00	0.00	0.00	3100.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3200.00	0.00	0.00	3200.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3300.00	0.00	0.00	3300.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3386.00	0.00	0.00	3386.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	Castile :
3400.00	0.00	0.00	3400.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3500.00	0.00	0.00	3500.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3600.00	0.00	0.00	3600.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3700.00	0.00	0.00	3700.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3800.00	0.00	0.00	3800.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
3900.00	0.00	0.00	3900.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4000.00	0.00	0.00	4000.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4100.00	0.00	0.00	4100.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4200.00	0.00	0.00	4200.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4300.00	0.00	0.00	4300.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4400.00	0.00	0.00	4400.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4500.00	0.00	0.00	4500.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4600.00	0.00	0.00	4600.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4700.00	0.00	0.00	4700.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4800.00	0.00	0.00	4800.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	
4886.00	0.00	0.00	4886.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	Delaware :
4900.00	0.00	0.00	4900.00	0.00	-0.00	0.00	436032.90	750804.50	0.00	Nudge
5000.00	1.00	134.90	4999.99	-0.59	-0.62	0.62	436032.28	750805.12	1.00	
5100.00	2.00	134.90	5099.96	-2.36	-2.46	2.47	436030.44	750806.97	1.00	
5200.00	3.00	134.90	5199.86	-5.31	-5.54	5.56	436027.36	750810.06	1.00	
5300.00	4.00	134.90	5299.68	-9.44	-9.85	9.89	436023.05	750814.39	1.00	
5400.00	5.00	134.90	5399.37	-14.75	-15.39	15.44	436017.51	750819.94	1.00	
5500.00	6.00	134.90	5498.90	-21.23	-22.16	22.23	436010.74	750826.73	1.00	
5600.00	7.00	134.90	5598.26	-28.89	-30.15	30.25	436002.75	750834.75	1.00	
5700.00	8.00	134.90	5697.40	-37.72	-39.36	39.49	435993.54	750843.99	1.00	
5700.30	8.00	134.90	5697.70	-37.74	-39.39	39.52	435993.51	750844.02	0.00	Hold
5800.00	8.00	134.90	5796.43	-47.13	-49.19	49.36	435983.71	750853.86	0.00	
5900.00	8.00	134.90	5895.46	-56.55	-59.02	59.22	435973.88	750863.72	0.00	
6000.00	8.00	134.90	5994.48	-65.97	-68.85	69.08	435964.05	750873.58	0.00	
6100.00	8.00	134.90	6093.51	-75.39	-78.68	78.94	435954.22	750883.44	0.00	
6200.00	8.00	134.90	6192.53	-84.80	-88.50	88.80	435944.40	750893.30	0.00	
6300.00	8.00	134.90	6291.56	-94.22	-98.33	98.66	435934.57	750903.16	0.00	
6400.00	8.00	134.90	6390.59	-103.64	-108.16	108.52	435924.74	750913.02	0.00	
6500.00	8.00	134.90	6489.61	-113.06	-117.99	118.38	435914.91	750922.88	0.00	
6600.00	8.00	134.90	6588.64	-122.47	-127.82	128.24	435905.08	750932.74	0.00	
6700.00	8.00	134.90	6687.66	-131.89	-137.64	138.10	435895.26	750942.60	0.00	
6800.00	8.00	134.90	6786.69	-141.31	-147.47	147.97	435885.43	750952.47	0.00	
6900.00	8.00	134.90	6885.72	-150.73	-157.30	157.83	435875.60	750962.33	0.00	
7000.00	8.00	134.90	6984.74	-160.14	-167.13	167.69	435865.77	750972.19	0.00	
7100.00	8.00	134.90	7083.77	-169.56	-176.96	177.55	435855.94	750982.05	0.00	
7200.00	8.00	134.90	7182.79	-178.98	-186.79	187.41	435846.11	750991.91	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
7300.00	8.00	134.90	7281.82	-188.40	-196.61	197.27	435836.29	751001.77	0.00	
7400.00	8.00	134.90	7380.85	-197.81	-206.44	207.13	435826.46	751011.63	0.00	
7500.00	8.00	134.90	7479.87	-207.23	-216.27	216.99	435816.63	751021.49	0.00	
7600.00	8.00	134.90	7578.90	-216.65	-226.10	226.85	435806.80	751031.35	0.00	
7700.00	8.00	134.90	7677.92	-226.06	-235.93	236.72	435796.97	751041.22	0.00	
7800.00	8.00	134.90	7776.95	-235.48	-245.75	246.58	435787.15	751051.08	0.00	
7900.00	8.00	134.90	7875.98	-244.90	-255.58	256.44	435777.32	751060.94	0.00	
8000.00	8.00	134.90	7975.00	-254.32	-265.41	266.30	435767.49	751070.80	0.00	
8100.00	8.00	134.90	8074.03	-263.73	-275.24	276.16	435757.66	751080.66	0.00	
8200.00	8.00	134.90	8173.06	-273.15	-285.07	286.02	435747.83	751090.52	0.00	
8300.00	8.00	134.90	8272.08	-282.57	-294.90	295.88	435738.00	751100.38	0.00	
8400.00	8.00	134.90	8371.11	-291.99	-304.72	305.74	435728.18	751110.24	0.00	
8424.98	8.00	134.90	8395.84	-294.34	-307.18	308.21	435725.72	751112.71	0.00	Drop
8500.00	7.25	134.90	8470.20	-301.07	-314.21	315.26	435718.69	751119.76	1.00	
8600.00	6.25	134.90	8569.50	-309.03	-322.51	323.59	435710.39	751128.09	1.00	
8700.00	5.25	134.90	8669.00	-315.81	-329.58	330.69	435703.32	751135.19	1.00	
8767.25	4.58	134.90	8736.00	-319.71	-333.65	334.77	435699.25	751139.27	1.00	Avalon :
8800.00	4.25	134.90	8768.65	-321.41	-335.43	336.56	435697.47	751141.06	1.00	
8900.00	3.25	134.90	8868.44	-325.84	-340.05	341.19	435692.85	751145.69	1.00	
9000.00	2.25	134.90	8968.32	-329.09	-343.44	344.59	435689.46	751149.09	1.00	
9100.00	1.25	134.90	9068.27	-331.16	-345.60	346.76	435687.30	751151.26	1.00	
9200.00	0.25	134.90	9168.26	-332.05	-346.53	347.69	435686.37	751152.19	1.00	
9225.28	0.00	0.00	9193.54	-332.08	-346.57	347.73	435686.33	751152.23	1.00	Hold
9300.00	0.00	0.00	9268.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9400.00	0.00	0.00	9368.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9500.00	0.00	0.00	9468.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9600.00	0.00	0.00	9568.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9687.74	0.00	0.00	9656.00	-332.08	-346.57	347.73	435686.33	751152.23	0.00	1st BSC :
9700.00	0.00	0.00	9668.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9800.00	0.00	0.00	9768.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9900.00	0.00	0.00	9868.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
9927.74	0.00	0.00	9896.00	-332.08	-346.57	347.73	435686.33	751152.23	0.00	1st BSS :
10000.00	0.00	0.00	9968.26	-332.08	-346.57	347.73	435686.33	751152.23	0.00	
10062.88	0.00	0.00	10031.14	-332.08	-346.57	347.73	435686.33	751152.23	0.00	KOP
10087.75	2.98	359.67	10056.00	-331.44	-345.92	347.73	435686.98	751152.23	12.00	2nd BSC :
10100.00	4.45	359.67	10068.23	-330.64	-345.13	347.72	435687.77	751152.22	12.00	
10200.00	16.45	359.67	10166.39	-312.55	-327.01	347.62	435705.89	751152.12	12.00	
10300.00	28.45	359.67	10258.64	-274.46	-288.89	347.40	435744.01	751151.90	12.00	
10400.00	40.45	359.67	10340.94	-218.05	-232.42	347.08	435800.48	751151.58	12.00	
10500.00	52.45	359.67	10409.71	-145.78	-160.07	346.66	435872.83	751151.16	12.00	
10600.00	64.45	359.67	10461.93	-60.81	-75.00	346.18	435957.90	751150.68	12.00	
10635.40	68.70	359.67	10476.00	-28.36	-42.52	345.99	435990.38	751150.49	12.00	2nd BSS :
10700.00	76.45	359.67	10495.32	33.16	19.06	345.64	436051.96	751150.14	12.00	
10800.00	88.45	359.67	10508.43	132.00	118.01	345.07	436150.91	751149.57	12.00	
10816.69	90.46	359.67	10508.59	148.68	134.70	344.98	436167.60	751149.48	12.00	Landing Pt
10900.00	90.46	359.67	10507.92	231.89	218.01	344.50	436250.91	751149.00	0.00	
11000.00	90.46	359.67	10507.12	331.78	318.00	343.93	436350.90	751148.43	0.00	
11100.00	90.46	359.67	10506.33	431.67	418.00	343.36	436450.90	751147.86	0.00	
11200.00	90.46	359.67	10505.53	531.56	517.99	342.78	436550.89	751147.28	0.00	
11300.00	90.46	359.67	10504.73	631.44	617.99	342.21	436650.89	751146.71	0.00	
11400.00	90.46	359.67	10503.93	731.33	717.98	341.64	436750.88	751146.14	0.00	
11500.00	90.46	359.67	10503.13	831.22	817.98	341.07	436850.88	751145.57	0.00	
11600.00	90.46	359.67	10502.33	931.11	917.97	340.50	436950.87	751145.00	0.00	
11700.00	90.46	359.67	10501.53	1031.00	1017.97	339.92	437050.87	751144.42	0.00	
11800.00	90.46	359.67	10500.73	1130.89	1117.96	339.35	437150.86	751143.85	0.00	
11881.53	90.46	359.67	10500.08	1212.33	1199.49	338.89	437232.39	751143.39	0.00	Drop
11896.63	90.16	359.67	10500.00	1227.41	1214.59	338.80	437247.49	751143.30	2.00	T2-1227
11900.00	90.16	359.67	10499.99	1230.78	1217.96	338.78	437250.86	751143.28	0.00	
12000.00	90.16	359.67	10499.72	1330.67	1317.96	338.21	437350.86	751142.71	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
12100.00	90.16	359.67	10499.45	1430.56	1417.96	337.64	437450.86	751142.14	0.00	
12200.00	90.16	359.67	10499.17	1530.45	1517.95	337.07	437550.85	751141.57	0.00	
12300.00	90.16	359.67	10498.90	1630.34	1617.95	336.49	437650.85	751140.99	0.00	
12400.00	90.16	359.67	10498.63	1730.23	1717.95	335.92	437750.85	751140.42	0.00	
12500.00	90.16	359.67	10498.36	1830.12	1817.95	335.35	437850.85	751139.85	0.00	
12600.00	90.16	359.67	10498.09	1930.01	1917.95	334.78	437950.85	751139.28	0.00	
12700.00	90.16	359.67	10497.81	2029.91	2017.94	334.21	438050.84	751138.71	0.00	
12800.00	90.16	359.67	10497.54	2129.80	2117.94	333.63	438150.84	751138.13	0.00	
12900.00	90.16	359.67	10497.27	2229.69	2217.94	333.06	438250.84	751137.56	0.00	
12995.28	90.16	359.67	10497.01	2324.87	2313.22	332.52	438346.12	751137.02	0.00	Drop
13000.00	90.06	359.67	10497.00	2329.58	2317.94	332.49	438350.84	751136.99	2.00	
13003.64	89.99	359.67	10497.00	2333.22	2321.58	332.47	438354.48	751136.97	2.00	T3-2333
13100.00	89.99	359.67	10497.02	2429.47	2417.94	331.92	438450.84	751136.42	0.00	
13200.00	89.99	359.67	10497.04	2529.36	2517.93	331.35	438550.83	751135.85	0.00	
13300.00	89.99	359.67	10497.06	2629.25	2617.93	330.78	438650.83	751135.28	0.00	
13400.00	89.99	359.67	10497.08	2729.15	2717.93	330.20	438750.83	751134.70	0.00	
13500.00	89.99	359.67	10497.10	2829.04	2817.93	329.63	438850.83	751134.13	0.00	
13600.00	89.99	359.67	10497.12	2928.93	2917.93	329.06	438950.83	751133.56	0.00	
13700.00	89.99	359.67	10497.14	3028.82	3017.93	328.49	439050.83	751132.99	0.00	
13742.13	89.99	359.67	10497.15	3070.91	3060.06	328.25	439092.96	751132.75	0.00	Build
13771.61	90.58	359.67	10497.00	3100.35	3089.53	328.08	439122.43	751132.58	2.00	T4-3100
13800.00	90.58	359.67	10496.71	3128.71	3117.92	327.92	439150.82	751132.42	0.00	
13900.00	90.58	359.67	10495.70	3228.60	3217.92	327.35	439250.82	751131.85	0.00	
14000.00	90.58	359.67	10494.70	3328.48	3317.91	326.77	439350.81	751131.27	0.00	
14100.00	90.58	359.67	10493.69	3428.37	3417.90	326.20	439450.80	751130.70	0.00	
14200.00	90.58	359.67	10492.68	3528.26	3517.90	325.63	439550.80	751130.13	0.00	
14300.00	90.58	359.67	10491.67	3628.14	3617.89	325.06	439650.79	751129.56	0.00	
14400.00	90.58	359.67	10490.66	3728.03	3717.88	324.49	439750.78	751128.99	0.00	
14500.00	90.58	359.67	10489.65	3827.92	3817.88	323.92	439850.78	751128.42	0.00	
14600.00	90.58	359.67	10488.64	3927.80	3917.87	323.34	439950.77	751127.84	0.00	
14621.24	90.58	359.67	10488.43	3949.02	3939.11	323.22	439972.01	751127.72	0.00	Build
14649.61	91.15	359.67	10488.00	3977.35	3967.47	323.06	440000.37	751127.56	2.00	T5-3977
14700.00	91.15	359.67	10486.99	4027.68	4017.85	322.77	440050.75	751127.27	0.00	
14800.00	91.15	359.67	10484.99	4127.55	4117.83	322.20	440150.73	751126.70	0.00	
14900.00	91.15	359.67	10482.99	4227.42	4217.81	321.63	440250.71	751126.13	0.00	
15000.00	91.15	359.67	10481.00	4327.30	4317.79	321.06	440350.69	751125.56	0.00	
15100.00	91.15	359.67	10479.00	4427.17	4417.77	320.49	440450.67	751124.99	0.00	
15200.00	91.15	359.67	10477.00	4527.04	4517.74	319.91	440550.64	751124.41	0.00	
15300.00	91.15	359.67	10475.00	4626.91	4617.72	319.34	440650.62	751123.84	0.00	
15400.00	91.15	359.67	10473.00	4726.78	4717.70	318.77	440750.60	751123.27	0.00	
15500.00	91.15	359.67	10471.00	4826.65	4817.68	318.20	440850.58	751122.70	0.00	
15600.00	91.15	359.67	10469.00	4926.53	4917.66	317.63	440950.56	751122.13	0.00	
15700.00	91.15	359.67	10467.00	5026.40	5017.64	317.05	441050.54	751121.55	0.00	
15729.14	91.15	359.67	10466.42	5055.50	5046.77	316.89	441079.67	751121.39	0.00	Drop
15756.80	90.59	359.67	10466.00	5083.13	5074.43	316.73	441107.33	751121.23	2.00	T6-5083
15800.00	90.59	359.67	10465.55	5126.28	5117.62	316.48	441150.52	751120.98	0.00	
15900.00	90.59	359.67	10464.52	5226.16	5217.62	315.91	441250.52	751120.41	0.00	
16000.00	90.59	359.67	10463.49	5326.05	5317.61	315.34	441350.51	751119.84	0.00	
16100.00	90.59	359.67	10462.45	5425.94	5417.60	314.77	441450.50	751119.27	0.00	
16200.00	90.59	359.67	10461.42	5525.82	5517.60	314.19	441550.50	751118.69	0.00	
16300.00	90.59	359.67	10460.39	5625.71	5617.59	313.62	441650.49	751118.12	0.00	
16400.00	90.59	359.67	10459.35	5725.60	5717.58	313.05	441750.48	751117.55	0.00	
16500.00	90.59	359.67	10458.32	5825.48	5817.57	312.48	441850.47	751116.98	0.00	
16591.69	90.59	359.67	10457.37	5917.07	5909.26	311.95	441942.16	751116.45	0.00	Build
16600.00	90.76	359.67	10457.27	5925.37	5917.57	311.91	441950.47	751116.41	2.00	
16616.86	91.10	359.67	10457.00	5942.20	5934.42	311.81	441967.32	751116.31	2.00	T7-5942
16700.00	91.10	359.67	10455.41	6025.24	6017.55	311.34	442050.45	751115.84	0.00	
16800.00	91.10	359.67	10453.50	6125.12	6117.53	310.76	442150.43	751115.26	0.00	
16900.00	91.10	359.67	10451.59	6224.99	6217.51	310.19	442250.41	751114.69	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
17000.00	91.10	359.67	10449.67	6324.86	6317.49	309.62	442350.39	751114.12	0.00	
17100.00	91.10	359.67	10447.76	6424.74	6417.47	309.05	442450.37	751113.55	0.00	
17200.00	91.10	359.67	10445.85	6524.61	6517.45	308.48	442550.35	751112.98	0.00	
17300.00	91.10	359.67	10443.94	6624.48	6617.43	307.91	442650.33	751112.41	0.00	
17377.99	91.10	359.67	10442.45	6702.37	6695.40	307.46	442728.30	751111.96	0.00	Drop
17400.00	90.66	359.67	10442.11	6724.36	6717.41	307.34	442750.31	751111.84	2.00	
17411.99	90.42	359.67	10442.00	6736.33	6729.40	307.27	442762.30	751111.77	2.00	T8-6736
17500.00	90.42	359.67	10441.36	6824.25	6817.41	306.77	442850.31	751111.27	0.00	
17600.00	90.42	359.67	10440.64	6924.13	6917.40	306.19	442950.30	751110.69	0.00	
17700.00	90.42	359.67	10439.91	7024.02	7017.40	305.62	443050.30	751110.12	0.00	
17800.00	90.42	359.67	10439.19	7123.91	7117.39	305.05	443150.29	751109.55	0.00	
17900.00	90.42	359.67	10438.46	7223.80	7217.39	304.47	443250.29	751108.97	0.00	
18000.00	90.42	359.67	10437.74	7323.69	7317.38	303.90	443350.28	751108.40	0.00	
18091.24	90.42	359.67	10437.08	7414.83	7408.62	303.38	443441.52	751107.88	0.00	Drop
18100.00	90.24	359.67	10437.03	7423.58	7417.38	303.33	443450.28	751107.83	2.00	
18112.01	90.00	359.67	10437.00	7435.58	7429.39	303.26	443462.29	751107.76	2.00	T9-7435
18155.52	90.00	359.67	10437.00	7479.04	7472.90	303.01	443505.80	751107.51	0.00	PBHL 201H

