



devon

HOBBS OCD

MAY 01 2017

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5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Arabian 30-19 Fed Com 3H*
Well Name: *Arabian 30-19 Fed Com 3H*
Plan: *P1:V1*

3 October 2016



Weatherford®



Arabian 30-19 Fed Com 3H

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: Arabian 30-19 Fed Com 3H	Units: US ft	North Reference: Grid	Convergence Angle: 0.33	
	Position:	Northing: 401346.13 US ft	Latitude: 32° 6' 6.65"	
		Easting: 734285.84 US ft	Longitude: -103° 42' 36.76"	
	Elevation above MSL:3362.00 US ft			
Comment:				
Slot: Arabian 30-19 Fed Com 3H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 401346.13 US ft	Latitude: 32°6'6.65"	
	+E/-W: 0.00 US ft	Easting: 734285.84 US ft	Longitude: -103°42'36.76"	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3362.00 US ft			
Comment:				
Well: Arabian 30-19 Fed Com 3H	Type:Main well		UWI:	Plan:P1:V1
	File Number:	Comment:		
	Closure Distance:7461.49US ft		Closure Azimuth:354.71°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft		+E/-W: 0.00 US ft	Az: 357.56°
	Magnetic Parameters:			
	Model: bggm2016	Field Strength:	Declination: 7.13°	Dip: 59.93°
	47999.2nT		Date:	01/Dec/2016

Drill floor: Plan: P1:V1

Rig Height (Drill Floor):	Elevation above MSL:	Inclination: 0.00°	Azimuth: 0.00°
25.00 US ft	3387.00 US ft		

Target set: Arabian 30-19 Fed Com 3H Comment:

Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Comment
PBHL 3H	Point	10441.00	7429.67	-688.33	408775.80	733597.51	

Wellpath created using minimum curvature.

Tie Point:

MD: 0.00 US ft	Inclination:	Azimuth: 0.00°	TVD:	North Offset:	East Offset:
	0.00°		0.00 US ft	0.00 US ft	0.00 US ft

5D Plan Report

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)

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	
5889.00	0.00	0.00	5889.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nudge
6589.00	7.00	265.00	6587.26	-3.72	-42.54	-1.91	1.00	1.00	0.00	265.00	Hold
8589.00	7.00	265.00	8572.35	-24.97	-285.36	-12.79	0.00	0.00	0.00	0.00	Drop
9989.00	0.00	0.00	9968.87	-32.41	-370.45	-16.61	0.50	-0.50	0.00	180.00	KOP
10189.00	20.00	357.56	10164.84	2.11	-371.92	17.94	10.00	10.00	0.00	357.56	Build 12° DLS
10774.93	90.31	357.56	10478.99	452.97	-391.12	469.21	12.00	12.00	0.00	0.00	LP
17758.06	90.31	357.56	10441.00	7429.67	-688.33	7452.24	0.00	0.00	0.00	0.00	PBHL 3H

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)

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	401346.13	734285.84	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	401346.13	734285.84	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
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
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	401346.13	734285.84	
5889.00	0.00	0.00	5889.00	0.00	0.00	0.00	0.00	401346.13	734285.84	Nudge
5900.00	0.11	265.00	5900.00	-0.00	-0.01	-0.00	1.00	401346.13	734285.83	
6000.00	1.11	265.00	5999.99	-0.09	-1.07	-0.05	1.00	401346.04	734284.77	
6100.00	2.11	265.00	6099.95	-0.34	-3.87	-0.17	1.00	401345.79	734281.97	
6200.00	3.11	265.00	6199.85	-0.74	-8.41	-0.38	1.00	401345.39	734277.43	
6300.00	4.11	265.00	6299.65	-1.28	-14.68	-0.66	1.00	401344.85	734271.16	
6400.00	5.11	265.00	6399.32	-1.98	-22.69	-1.02	1.00	401344.15	734263.15	
6500.00	6.11	265.00	6498.84	-2.84	-32.42	-1.45	1.00	401343.29	734253.42	
6589.00	7.00	265.00	6587.26	-3.72	-42.54	-1.91	1.00	401342.41	734243.30	Hold
6600.00	7.00	265.00	6598.18	-3.84	-43.88	-1.97	0.00	401342.29	734241.96	
6700.00	7.00	265.00	6697.43	-4.90	-56.02	-2.51	0.00	401341.23	734229.82	
6800.00	7.00	265.00	6796.69	-5.96	-68.16	-3.06	0.00	401340.17	734217.68	
6900.00	7.00	265.00	6895.94	-7.03	-80.30	-3.60	0.00	401339.10	734205.54	
7000.00	7.00	265.00	6995.20	-8.09	-92.44	-4.14	0.00	401338.04	734193.40	
7100.00	7.00	265.00	7094.45	-9.15	-104.58	-4.69	0.00	401336.98	734181.26	
7200.00	7.00	265.00	7193.71	-10.21	-116.72	-5.23	0.00	401335.92	734169.12	
7300.00	7.00	265.00	7292.96	-11.27	-128.86	-5.78	0.00	401334.86	734156.98	
7400.00	7.00	265.00	7392.21	-12.34	-141.00	-6.32	0.00	401333.79	734144.84	
7500.00	7.00	265.00	7491.47	-13.40	-153.15	-6.87	0.00	401332.73	734132.69	
7600.00	7.00	265.00	7590.72	-14.46	-165.29	-7.41	0.00	401331.67	734120.55	
7700.00	7.00	265.00	7689.98	-15.52	-177.43	-7.96	0.00	401330.61	734108.41	
7800.00	7.00	265.00	7789.23	-16.58	-189.57	-8.50	0.00	401329.55	734096.27	
7900.00	7.00	265.00	7888.49	-17.65	-201.71	-9.04	0.00	401328.48	734084.13	
8000.00	7.00	265.00	7987.74	-18.71	-213.85	-9.59	0.00	401327.42	734071.99	
8100.00	7.00	265.00	8087.00	-19.77	-225.99	-10.13	0.00	401326.36	734059.85	
8200.00	7.00	265.00	8186.25	-20.83	-238.13	-10.68	0.00	401325.30	734047.71	
8300.00	7.00	265.00	8285.51	-21.90	-250.27	-11.22	0.00	401324.23	734035.57	
8400.00	7.00	265.00	8384.76	-22.96	-262.41	-11.77	0.00	401323.17	734023.43	
8500.00	7.00	265.00	8484.02	-24.02	-274.55	-12.31	0.00	401322.11	734011.29	
8589.00	7.00	265.00	8572.35	-24.97	-285.36	-12.79	0.00	401321.16	734000.48	Drop
8600.00	6.95	265.00	8583.27	-25.08	-286.69	-12.85	0.50	401321.05	733999.15	
8700.00	6.45	265.00	8682.59	-26.10	-298.30	-13.37	0.50	401320.03	733987.54	
8800.00	5.94	265.00	8782.00	-27.04	-309.05	-13.86	0.50	401319.09	733976.79	
8900.00	5.44	265.00	8881.51	-27.90	-318.94	-14.30	0.50	401318.23	733966.90	
9000.00	4.95	265.00	8981.10	-28.69	-327.96	-14.70	0.50	401317.44	733957.88	
9100.00	4.45	265.00	9080.76	-29.41	-336.11	-15.07	0.50	401316.72	733949.73	
9200.00	3.95	265.00	9180.50	-30.04	-343.40	-15.40	0.50	401316.09	733942.44	
9300.00	3.44	265.00	9280.29	-30.61	-349.82	-15.68	0.50	401315.52	733936.02	
9400.00	2.95	265.00	9380.13	-31.09	-355.37	-15.93	0.50	401315.04	733930.47	
9500.00	2.45	265.00	9480.02	-31.50	-360.05	-16.14	0.50	401314.63	733925.79	
9600.00	1.94	265.00	9579.95	-31.83	-363.87	-16.31	0.50	401314.30	733921.97	
9700.00	1.44	265.00	9679.90	-32.09	-366.82	-16.45	0.50	401314.04	733919.02	
9800.00	0.94	265.00	9779.88	-32.27	-368.89	-16.54	0.50	401313.86	733916.95	
9900.00	0.45	265.00	9879.87	-32.38	-370.10	-16.59	0.50	401313.75	733915.74	
9989.00	0.00	0.00	9968.87	-32.41	-370.45	-16.61	0.50	401313.72	733915.39	KOP
10000.00	1.10	357.56	9979.87	-32.30	-370.45	-16.50	10.00	401313.83	733915.39	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
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
10100.00	11.10	357.56	10079.18	-21.70	-370.90	-5.89	10.00	401324.43	733914.94	Build 12° DLS
10189.00	20.00	357.56	10164.84	2.11	-371.92	17.94	10.00	401348.24	733913.92	
10200.00	21.32	357.56	10175.13	5.99	-372.08	21.83	12.00	401352.12	733913.76	
10300.00	33.32	357.56	10263.81	51.76	-374.03	67.64	12.00	401397.89	733911.81	LP
10400.00	45.32	357.56	10341.03	114.95	-376.72	130.89	12.00	401461.08	733909.12	
10500.00	57.32	357.56	10403.41	192.80	-380.04	208.81	12.00	401538.93	733905.80	
10600.00	69.32	357.56	10448.23	281.91	-383.84	298.00	12.00	401628.04	733902.00	
10700.00	81.32	357.56	10473.53	378.38	-387.95	394.56	12.00	401724.51	733897.89	
10774.93	90.31	357.56	10478.99	452.97	-391.12	469.21	12.00	401799.10	733894.72	
10800.00	90.31	357.56	10478.85	478.02	-392.19	494.28	0.00	401824.15	733893.65	
10900.00	90.31	357.56	10478.31	577.93	-396.45	594.28	0.00	401924.06	733889.39	
11000.00	90.31	357.56	10477.77	677.83	-400.70	694.28	0.00	402023.96	733885.14	
11100.00	90.31	357.56	10477.22	777.74	-404.96	794.28	0.00	402123.87	733880.88	
11200.00	90.31	357.56	10476.68	877.65	-409.22	894.27	0.00	402223.78	733876.62	
11300.00	90.31	357.56	10476.13	977.56	-413.47	994.27	0.00	402323.69	733872.37	
11400.00	90.31	357.56	10475.59	1077.46	-417.73	1094.27	0.00	402423.59	733868.11	
11500.00	90.31	357.56	10475.05	1177.37	-421.98	1194.27	0.00	402523.50	733863.86	
11600.00	90.31	357.56	10474.50	1277.28	-426.24	1294.27	0.00	402623.41	733859.60	
11700.00	90.31	357.56	10473.96	1377.19	-430.50	1394.27	0.00	402723.32	733855.34	
11800.00	90.31	357.56	10473.41	1477.10	-434.75	1494.27	0.00	402823.23	733851.09	
11900.00	90.31	357.56	10472.87	1577.00	-439.01	1594.26	0.00	402923.13	733846.83	
12000.00	90.31	357.56	10472.33	1676.91	-443.26	1694.26	0.00	403023.04	733842.58	
12100.00	90.31	357.56	10471.78	1776.82	-447.52	1794.26	0.00	403122.95	733838.32	
12200.00	90.31	357.56	10471.24	1876.73	-451.78	1894.26	0.00	403222.86	733834.06	
12300.00	90.31	357.56	10470.69	1976.64	-456.03	1994.26	0.00	403322.77	733829.81	
12400.00	90.31	357.56	10470.15	2076.54	-460.29	2094.26	0.00	403422.67	733825.55	
12500.00	90.31	357.56	10469.61	2176.45	-464.54	2194.26	0.00	403522.58	733821.30	
12600.00	90.31	357.56	10469.06	2276.36	-468.80	2294.25	0.00	403622.49	733817.04	
12700.00	90.31	357.56	10468.52	2376.27	-473.06	2394.25	0.00	403722.40	733812.78	
12800.00	90.31	357.56	10467.97	2476.18	-477.31	2494.25	0.00	403822.31	733808.53	
12900.00	90.31	357.56	10467.43	2576.08	-481.57	2594.25	0.00	403922.21	733804.27	
13000.00	90.31	357.56	10466.89	2675.99	-485.82	2694.25	0.00	404022.12	733800.02	
13100.00	90.31	357.56	10466.34	2775.90	-490.08	2794.25	0.00	404122.03	733795.76	
13200.00	90.31	357.56	10465.80	2875.81	-494.34	2894.25	0.00	404221.94	733791.50	
13300.00	90.31	357.56	10465.25	2975.71	-498.59	2994.24	0.00	404321.84	733787.25	
13400.00	90.31	357.56	10464.71	3075.62	-502.85	3094.24	0.00	404421.75	733782.99	
13500.00	90.31	357.56	10464.17	3175.53	-507.10	3194.24	0.00	404521.66	733778.74	
13600.00	90.31	357.56	10463.62	3275.44	-511.36	3294.24	0.00	404621.57	733774.48	
13700.00	90.31	357.56	10463.08	3375.35	-515.62	3394.24	0.00	404721.48	733770.22	
13800.00	90.31	357.56	10462.53	3475.25	-519.87	3494.24	0.00	404821.38	733765.97	
13900.00	90.31	357.56	10461.99	3575.16	-524.13	3594.23	0.00	404921.29	733761.71	
14000.00	90.31	357.56	10461.44	3675.07	-528.39	3694.23	0.00	405021.20	733757.45	
14100.00	90.31	357.56	10460.90	3774.98	-532.64	3794.23	0.00	405121.11	733753.20	
14200.00	90.31	357.56	10460.36	3874.89	-536.90	3894.23	0.00	405221.02	733748.94	
14300.00	90.31	357.56	10459.81	3974.79	-541.15	3994.23	0.00	405320.92	733744.69	
14400.00	90.31	357.56	10459.27	4074.70	-545.41	4094.23	0.00	405420.83	733740.43	
14500.00	90.31	357.56	10458.72	4174.61	-549.67	4194.23	0.00	405520.74	733736.17	
14600.00	90.31	357.56	10458.18	4274.52	-553.92	4294.22	0.00	405620.65	733731.92	
14700.00	90.31	357.56	10457.64	4374.43	-558.18	4394.22	0.00	405720.56	733727.66	
14800.00	90.31	357.56	10457.09	4474.33	-562.43	4494.22	0.00	405820.46	733723.41	
14900.00	90.31	357.56	10456.55	4574.24	-566.69	4594.22	0.00	405920.37	733719.15	
15000.00	90.31	357.56	10456.00	4674.15	-570.95	4694.22	0.00	406020.28	733714.89	
15100.00	90.31	357.56	10455.46	4774.06	-575.20	4794.22	0.00	406120.19	733710.64	
15200.00	90.31	357.56	10454.92	4873.97	-579.46	4894.22	0.00	406220.10	733706.38	
15300.00	90.31	357.56	10454.37	4973.87	-583.71	4994.21	0.00	406320.00	733702.13	
15400.00	90.31	357.56	10453.83	5073.78	-587.97	5094.21	0.00	406419.91	733697.87	
15500.00	90.31	357.56	10453.28	5173.69	-592.23	5194.21	0.00	406519.82	733693.61	
15600.00	90.31	357.56	10452.74	5273.60	-596.48	5294.21	0.00	406619.73	733689.36	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
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
15700.00	90.31	357.56	10452.20	5373.50	-600.74	5394.21	0.00	406719.63	733685.10	
15800.00	90.31	357.56	10451.65	5473.41	-604.99	5494.21	0.00	406819.54	733680.85	
15900.00	90.31	357.56	10451.11	5573.32	-609.25	5594.21	0.00	406919.45	733676.59	
16000.00	90.31	357.56	10450.56	5673.23	-613.51	5694.20	0.00	407019.36	733672.33	
16100.00	90.31	357.56	10450.02	5773.14	-617.76	5794.20	0.00	407119.27	733668.08	
16200.00	90.31	357.56	10449.48	5873.04	-622.02	5894.20	0.00	407219.17	733663.82	
16300.00	90.31	357.56	10448.93	5972.95	-626.27	5994.20	0.00	407319.08	733659.57	
16400.00	90.31	357.56	10448.39	6072.86	-630.53	6094.20	0.00	407418.99	733655.31	
16500.00	90.31	357.56	10447.84	6172.77	-634.79	6194.20	0.00	407518.90	733651.05	
16600.00	90.31	357.56	10447.30	6272.68	-639.04	6294.19	0.00	407618.81	733646.80	
16700.00	90.31	357.56	10446.76	6372.58	-643.30	6394.19	0.00	407718.71	733642.54	
16800.00	90.31	357.56	10446.21	6472.49	-647.55	6494.19	0.00	407818.62	733638.29	
16900.00	90.31	357.56	10445.67	6572.40	-651.81	6594.19	0.00	407918.53	733634.03	
17000.00	90.31	357.56	10445.12	6672.31	-656.07	6694.19	0.00	408018.44	733629.77	
17100.00	90.31	357.56	10444.58	6772.22	-660.32	6794.19	0.00	408118.35	733625.52	
17200.00	90.31	357.56	10444.04	6872.12	-664.58	6894.19	0.00	408218.25	733621.26	
17300.00	90.31	357.56	10443.49	6972.03	-668.83	6994.18	0.00	408318.16	733617.01	
17400.00	90.31	357.56	10442.95	7071.94	-673.09	7094.18	0.00	408418.07	733612.75	
17500.00	90.31	357.56	10442.40	7171.85	-677.35	7194.18	0.00	408517.98	733608.49	
17600.00	90.31	357.56	10441.86	7271.75	-681.60	7294.18	0.00	408617.88	733604.24	
17700.00	90.31	357.56	10441.32	7371.66	-685.86	7394.18	0.00	408717.79	733599.98	
17758.06	90.31	357.56	10441.00	7429.67	-688.33	7452.24	0.00	408775.80	733597.51	PBHL 3H