

Well Name: MERLYN 27-22 FED 2H

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN WEST		Field Name LOST TANK		County EDDY		State/Province NM	
Surface Legal Location SEC34 T21S R31E		API/UMI 3001542386		Latitude (°) 32° 26' 22.578" N		Longitude (°) 103° 46' 19.444" W		Orig KB Elevation (ft) 3,492.20	
								Ground Elev MSL (ft) 3,464.20	
								KB - GL (ft) 28.00	
Wellbore Name OH		Parent Wellbore OH		SAP Well ID 37645		Vertical Section Direction (°) 359.61			
Kick Offs & Key Depths:									
Date 1/20/2015		Type Kick Off		Top Depth (ftKB) 7,253.0					
Actual Deviation Survey MWD, Proposed? No		Definite? Yes		Proposed? No		Proposed Deviation Survey MWD, Proposed? No			
Deviation Survey:									
Date 1/10/2015		Description MWD							
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)		NSTie In (ft)	
Survey Data:									
Date	MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	NS (ft)	EW (ft)	TDS (ft/100ft)	Survey
1/10/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD EXTREME
1/10/2015	196.00	0.31	152.98	196.00	-0.47	-0.47	0.24	0.16	MWD EXTREME
1/10/2015	286.00	0.40	168.05	286.00	-1.00	-1.00	0.42	0.14	MWD EXTREME
1/10/2015	387.00	0.22	154.25	387.00	-1.52	-1.52	0.57	0.19	MWD EXTREME
1/11/2015	509.00	0.48	61.27	508.99	-1.49	-1.48	1.12	0.44	MWD EXTREME
1/13/2015	662.00	1.01	59.95	661.98	-0.52	-0.50	2.85	0.35	MWD EXTREME
1/13/2015	755.00	1.19	25.78	754.96	0.75	0.78	3.98	0.72	MWD EXTREME
1/13/2015	849.00	1.41	23.39	848.94	2.69	2.72	4.87	0.24	MWD EXTREME
1/13/2015	942.00	1.32	34.99	941.91	4.61	4.65	5.93	0.31	MWD EXTREME
1/13/2015	1,034.00	1.32	46.76	1,033.89	6.19	6.24	7.31	0.29	MWD EXTREME
1/13/2015	1,126.00	1.41	39.25	1,125.86	7.78	7.85	8.80	0.22	MWD EXTREME
1/13/2015	1,219.00	1.58	48.78	1,218.83	9.51	9.58	10.49	0.32	MWD EXTREME
1/13/2015	1,318.00	1.80	52.57	1,317.79	11.34	11.42	12.75	0.25	MWD EXTREME
1/13/2015	1,405.00	1.80	50.28	1,404.75	13.02	13.13	14.89	0.08	MWD EXTREME
1/13/2015	1,500.00	1.71	52.18	1,499.70	14.83	14.95	17.15	0.11	MWD EXTREME
1/13/2015	1,594.00	2.02	60.48	1,593.65	16.49	16.62	19.70	0.44	MWD EXTREME
1/13/2015	1,690.00	2.42	63.87	1,689.58	18.19	18.35	23.00	0.44	MWD EXTREME
1/13/2015	1,785.00	2.81	69.97	1,784.48	19.85	20.03	26.98	0.50	MWD EXTREME
1/13/2015	1,880.00	3.30	70.89	1,879.35	21.51	21.72	31.76	0.52	MWD EXTREME
1/13/2015	1,974.00	3.60	69.97	1,973.17	23.37	23.62	37.09	0.32	MWD EXTREME
1/13/2015	2,068.00	3.91	69.66	2,066.97	25.45	25.75	42.86	0.33	MWD EXTREME
1/13/2015	2,163.00	4.09	64.87	2,161.74	27.98	28.31	48.97	0.40	MWD EXTREME
1/13/2015	2,258.00	4.22	63.68	2,256.49	30.92	31.30	55.17	0.16	MWD EXTREME
1/13/2015	2,353.00	4.61	62.59	2,351.21	34.19	34.61	61.69	0.42	MWD EXTREME
1/13/2015	2,447.00	5.10	61.27	2,444.87	37.89	38.35	68.71	0.53	MWD EXTREME
1/13/2015	2,543.00	5.80	59.38	2,540.44	42.35	42.88	76.62	0.75	MWD EXTREME
1/13/2015	2,637.00	5.89	57.66	2,633.95	47.30	47.87	84.78	0.21	MWD EXTREME
1/13/2015	2,732.00	6.20	54.98	2,728.42	52.79	53.43	93.10	0.44	MWD EXTREME
1/13/2015	2,827.00	5.71	54.98	2,822.81	58.39	59.08	101.18	0.52	MWD EXTREME
1/13/2015	2,921.00	5.89	56.56	2,916.43	63.68	64.42	109.03	0.26	MWD EXTREME
1/13/2015	3,016.00	6.02	61.27	3,010.92	68.70	69.50	117.47	0.53	MWD EXTREME
1/13/2015	3,110.00	5.71	63.99	3,104.42	73.06	73.92	125.99	0.44	MWD EXTREME
1/13/2015	3,205.00	5.40	61.18	3,198.98	77.24	78.15	134.16	0.43	MWD EXTREME
1/13/2015	3,300.00	6.02	61.97	3,293.51	81.68	82.65	142.47	0.66	MWD EXTREME
1/13/2015	3,394.00	6.81	63.68	3,386.92	86.40	87.44	151.82	0.86	MWD EXTREME
1/13/2015	3,488.00	7.12	64.78	3,480.22	91.28	92.38	162.08	0.36	MWD EXTREME
1/13/2015	3,584.00	6.90	64.25	3,575.50	96.25	97.43	172.66	0.24	MWD EXTREME
1/13/2015	3,679.00	7.29	64.56	3,669.78	101.25	102.50	183.24	0.41	MWD EXTREME
1/13/2015	3,773.00	7.38	63.48	3,763.01	106.43	107.76	194.03	0.18	MWD EXTREME
1/13/2015	3,868.00	6.90	62.06	3,857.27	111.76	113.16	204.53	0.54	MWD EXTREME
1/13/2015	3,962.00	6.11	62.67	3,950.66	116.64	118.10	213.96	0.84	MWD EXTREME
1/13/2015	4,014.00	5.58	64.25	4,002.39	118.98	120.47	218.69	1.07	MWD EXTREME
1/13/2015	4,136.00	4.61	67.07	4,123.91	123.40	124.95	228.55	0.82	MWD EXTREME
1/13/2015	4,231.00	3.78	67.38	4,218.66	126.04	127.65	234.96	0.87	MWD EXTREME
1/13/2015	4,326.00	3.52	70.19	4,313.46	128.20	129.84	240.59	0.33	MWD EXTREME
1/13/2015	4,421.00	3.30	66.36	4,408.29	130.25	131.92	245.84	0.33	MWD EXTREME
1/13/2015	4,517.00	2.81	68.08	4,504.16	132.20	133.91	250.56	0.52	MWD EXTREME
1/13/2015	4,612.00	2.68	71.29	4,599.05	133.75	135.49	254.82	0.21	MWD EXTREME
1/13/2015	4,706.00	2.59	68.47	4,692.95	135.21	136.98	258.88	0.17	MWD EXTREME
1/13/2015	4,800.00	2.29	72.38	4,786.86	136.53	138.32	262.64	0.36	MWD EXTREME
1/13/2015	4,896.00	2.11	72.17	4,882.79	137.63	139.45	266.15	0.19	MWD EXTREME
1/13/2015	4,992.00	1.71	76.78	4,978.74	138.48	140.32	269.23	0.45	MWD EXTREME
1/13/2015	5,087.00	1.41	64.56	5,073.71	139.29	141.14	271.67	0.47	MWD EXTREME
1/13/2015	5,182.00	1.19	70.36	5,168.68	140.11	141.98	273.65	0.27	MWD EXTREME
1/13/2015	5,275.00	1.19	66.98	5,261.66	140.80	142.68	275.45	0.08	MWD EXTREME
1/13/2015	5,369.00	1.01	65.75	5,355.64	141.51	143.40	277.10	0.19	MWD EXTREME
1/13/2015	5,465.00	1.19	30.37	5,451.63	142.71	144.61	278.38	0.72	MWD EXTREME
1/13/2015	5,560.00	0.79	48.57	5,546.61	143.99	145.89	279.37	0.53	MWD EXTREME
1/13/2015	5,655.00	0.79	59.38	5,641.60	144.75	146.66	280.42	0.16	MWD EXTREME
1/13/2015	5,749.00	0.79	48.17	5,735.59	145.50	147.42	281.46	0.16	MWD EXTREME
1/13/2015	5,848.00	0.70	40.48	5,834.59	146.41	148.34	282.36	0.14	MWD EXTREME
1/13/2015	5,937.00	0.82	31.16	5,923.58	147.23	149.16	282.97	0.15	MWD EXTREME
1/13/2015	6,032.00	0.48	26.68	6,018.58	148.02	149.96	283.41	0.15	MWD EXTREME
1/13/2015	6,126.00	0.62	42.46	6,112.57	148.75	150.68	283.93	0.22	MWD EXTREME
1/13/2015	6,222.00	0.48	78.58	6,208.57	149.21	151.15	284.68	0.38	MWD EXTREME
1/13/2015	6,316.00	0.40	57.88	6,302.56	149.45	151.40	285.34	0.19	MWD EXTREME

Provide signature page for Survey

Accepted for record
NIMOC



Directional Survey

Well Name: MERLYN 27-22 FED 2H

Sub-Division	Region	DELAWARE BASIN WEST		Field Name		LOST TANK		County	EDDY	State/Province	
Surface Legal Location	APALUM	3001542386		Latitude (°)		Longitude (°)		Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)	
SEC34 T21S R31E				32° 26' 22.579" N		103° 46' 19.444" W		3,492.20	3,464.20	28.00	
Survey Data											
Date	MO	Ind	Ind	Ind	Ind	Ind	Ind	Ind	Ind	Ind	Ind
1/13/2015	6,411.00	0.70	49.49	6,397.56	150.00	151.95	286.06	0.33	MWD	EXTREME	
1/13/2015	6,506.00	1.01	67.86	6,492.55	150.69	152.64	287.28	0.43	MWD	EXTREME	
1/13/2015	6,600.00	1.32	102.36	6,586.53	150.75	152.73	289.10	0.80	MWD	EXTREME	
1/13/2015	6,696.00	1.01	120.37	6,682.51	150.08	152.06	290.81	0.50	MWD	EXTREME	
1/13/2015	6,791.00	0.40	162.65	6,777.50	149.33	151.32	291.73	0.80	MWD	EXTREME	
1/13/2015	6,886.00	0.48	254.36	6,872.50	148.91	150.90	291.45	0.67	MWD	EXTREME	
1/13/2015	6,980.00	0.62	245.88	6,966.50	148.60	150.58	290.61	0.17	MWD	EXTREME	
1/13/2015	7,075.00	0.79	268.38	7,061.49	148.38	150.35	289.48	0.34	MWD	EXTREME	
1/13/2015	7,159.00	1.10	267.68	7,145.48	148.34	150.31	288.10	0.37	MWD	EXTREME	
1/13/2015	7,219.00	1.20	271.30	7,205.47	148.34	150.30	286.90	0.21	MWD	EXTREME	
1/20/2015	7,251.00	1.50	298.60	7,237.46	148.55	150.50	286.19	2.19	MWD	LEAM	
1/20/2015	7,282.00	2.60	332.00	7,268.44	149.37	151.32	285.51	5.10	MWD	LEAM	
1/20/2015	7,283.00	2.60	332.30	7,269.44	149.41	151.36	285.48	1.36	MWD	LEAM	
1/20/2015	7,314.00	4.70	346.00	7,300.37	151.27	153.21	284.85	7.29	MWD	LEAM	
1/20/2015	7,346.00	6.50	353.10	7,332.22	154.35	156.29	284.32	6.02	MWD	LEAM	
1/20/2015	7,378.00	8.40	358.70	7,363.95	158.48	160.42	284.05	6.35	MWD	LEAM	
1/20/2015	7,409.00	10.10	2.70	7,394.55	163.46	165.40	284.12	5.86	MWD	LEAM	
1/20/2015	7,441.00	12.20	4.20	7,425.94	169.63	171.58	284.50	6.62	MWD	LEAM	
1/20/2015	7,473.00	14.80	4.50	7,457.05	177.08	179.02	285.07	8.13	MWD	LEAM	
1/20/2015	7,504.00	17.10	4.30	7,486.86	185.57	187.52	285.72	7.42	MWD	LEAM	
1/20/2015	7,536.00	19.80	4.70	7,517.21	195.66	197.61	286.52	8.45	MWD	LEAM	
1/20/2015	7,568.00	22.60	4.00	7,547.04	207.19	209.15	287.39	8.79	MWD	LEAM	
1/20/2015	7,599.00	25.80	3.80	7,575.31	219.86	221.83	288.26	10.33	MWD	LEAM	
1/20/2015	7,630.00	29.20	3.40	7,602.81	234.14	236.11	289.15	10.98	MWD	LEAM	
1/20/2015	7,662.00	32.20	3.80	7,630.32	250.43	252.41	290.18	9.40	MWD	LEAM	
1/20/2015	7,694.00	35.30	4.30	7,656.92	268.15	270.14	291.44	9.73	MWD	LEAM	
1/20/2015	7,725.00	38.90	4.90	7,681.64	286.78	288.78	292.94	11.67	MWD	LEAM	
1/20/2015	7,757.00	42.20	5.60	7,705.96	307.48	309.49	294.85	10.41	MWD	LEAM	
1/20/2015	7,788.00	45.40	5.40	7,728.33	328.82	330.85	296.90	10.33	MWD	LEAM	
1/20/2015	7,820.00	49.10	4.50	7,750.05	352.21	354.25	298.93	11.75	MWD	LEAM	
1/20/2015	7,852.00	52.50	2.90	7,770.27	376.94	379.00	300.52	11.31	MWD	LEAM	
1/20/2015	7,883.00	56.00	2.40	7,788.38	402.06	404.12	301.68	11.37	MWD	LEAM	
1/20/2015	7,915.00	59.70	1.90	7,805.40	429.12	431.19	302.69	11.64	MWD	LEAM	
1/20/2015	7,946.00	63.10	1.70	7,820.24	456.32	458.39	303.55	10.98	MWD	LEAM	
1/20/2015	7,977.00	66.00	1.20	7,833.56	484.29	486.37	304.25	9.47	MWD	LEAM	
1/20/2015	8,010.00	69.20	1.00	7,846.13	514.79	516.87	304.84	9.71	MWD	LEAM	
1/20/2015	8,041.00	72.50	1.70	7,856.30	544.05	546.15	305.53	10.86	MWD	LEAM	
1/20/2015	8,072.00	75.80	1.30	7,864.77	573.85	575.95	306.31	10.72	MWD	LEAM	
1/20/2015	8,104.00	79.60	1.30	7,871.58	605.10	607.20	307.02	11.88	MWD	LEAM	
1/20/2015	8,136.00	82.80	1.30	7,876.48	636.71	638.82	307.74	10.00	MWD	LEAM	
1/20/2015	8,168.00	85.90	0.60	7,879.63	668.54	670.65	308.26	9.93	MWD	LEAM	
1/20/2015	8,191.00	88.10	0.60	7,880.83	691.50	693.62	308.50	9.57	MWD	LEAM	
1/20/2015	8,286.00	91.50	358.50	7,881.16	786.48	788.59	307.76	4.21	MWD	LEAM	
1/20/2015	8,381.00	91.80	358.70	7,878.43	881.43	883.53	305.44	0.38	MWD	LEAM	
1/20/2015	8,475.00	90.60	358.90	7,876.46	975.40	977.48	303.47	1.29	MWD	LEAM	
1/20/2015	8,570.00	91.10	358.70	7,875.05	1,070.37	1,072.45	301.48	0.57	MWD	LEAM	
1/20/2015	8,665.00	92.10	358.50	7,872.40	1,165.32	1,167.39	299.16	1.07	MWD	LEAM	
1/20/2015	8,760.00	91.40	358.40	7,869.50	1,260.26	1,262.31	296.59	0.74	MWD	LEAM	
1/20/2015	8,855.00	92.20	358.40	7,866.51	1,355.19	1,357.22	293.94	0.84	MWD	LEAM	
1/20/2015	8,949.00	91.50	358.00	7,863.48	1,449.11	1,451.12	290.99	0.86	MWD	LEAM	
1/20/2015	9,044.00	90.00	356.90	7,862.23	1,544.03	1,546.02	286.76	1.96	MWD	LEAM	
1/20/2015	9,138.00	89.60	357.50	7,862.56	1,637.95	1,639.90	282.17	0.77	MWD	LEAM	
1/20/2015	9,233.00	90.60	358.00	7,862.40	1,732.89	1,734.83	278.44	1.18	MWD	LEAM	
1/20/2015	9,328.00	89.90	358.70	7,861.98	1,827.87	1,829.79	275.71	1.04	MWD	LEAM	
1/20/2015	9,423.00	90.00	358.50	7,862.07	1,922.85	1,924.76	273.39	0.24	MWD	LEAM	
1/20/2015	9,517.00	91.00	359.60	7,861.25	2,016.84	2,018.74	271.83	1.58	MWD	LEAM	
1/20/2015	9,610.00	90.00	359.20	7,860.43	2,109.84	2,111.73	270.85	1.16	MWD	LEAM	
1/20/2015	9,705.00	90.00	358.40	7,860.43	2,204.83	2,206.71	268.86	0.84	MWD	LEAM	
1/20/2015	9,800.00	90.30	357.80	7,860.18	2,299.79	2,301.66	265.71	0.71	MWD	LEAM	
1/20/2015	9,895.00	90.50	357.80	7,859.52	2,394.74	2,396.58	262.07	0.21	MWD	LEAM	
1/20/2015	9,990.00	90.80	357.80	7,858.44	2,489.69	2,491.51	258.42	0.32	MWD	LEAM	
1/20/2015	10,085.00	92.30	358.00	7,855.87	2,584.61	2,586.41	254.94	1.59	MWD	LEAM	
1/20/2015	10,179.00	90.80	356.20	7,853.33	2,678.48	2,680.25	250.19	2.49	MWD	LEAM	
1/20/2015	10,274.00	90.50	355.20	7,852.25	2,773.25	2,774.97	243.06	1.10	MWD	LEAM	
1/20/2015	10,369.00	91.10	355.70	7,850.93	2,867.99	2,869.66	235.53	0.82	MWD	LEAM	
1/20/2015	10,464.00	91.00	355.70	7,849.19	2,962.75	2,964.38	228.41	0.11	MWD	LEAM	
1/20/2015	10,559.00	91.10	356.40	7,847.45	3,057.55	3,059.14	221.86	0.74	MWD	LEAM	
1/20/2015	10,654.00	90.30	356.80	7,846.29	3,152.42	3,153.96	216.23	0.94	MWD	LEAM	
1/20/2015	10,749.00	90.80	357.10	7,845.37	3,247.31	3,248.82	211.18	0.61	MWD	LEAM	
1/20/2015	10,843.00	89.10	355.70	7,845.46	3,341.15	3,342.63	205.27	2.34	MWD	LEAM	
1/20/2015	10,939.00	90.30	356.10	7,845.96	3,436.95	3,438.38	198.41	1.32	MWD	LEAM	
1/20/2015	11,034.00	90.40	356.90	7,845.38	3,531.81	3,533.20	192.61	0.85	MWD	LEAM	
1/20/2015	11,129.00	89.50	357.10	7,845.46	3,626.71	3,628.07	187.64	0.97	MWD	LEAM	
1/20/2015	11,224.00	90.70	357.10	7,845.29	3,721.62	3,722.95	182.83	1.26	MWD	LEAM	
1/20/2015	11,319.00	89.30	358.70	7,845.29	3,816.57	3,817.88	179.35	2.24	MWD	LEAM	
1/20/2015	11,413.00	90.80	0.60	7,845.21	3,910.56	3,911.87	178.78	2.58	MWD	LEAM	
1/20/2015	11,507.00	90.00	0.80	7,844.56	4,004.54	4,005.86	179.93	0.88	MWD	LEAM	

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Report Printed: 7/23/2015

Well Name: MERLYN 27-22 FED 2H

Sub-Division		Region	Field Name		County	State/Province	
DELAWARE BASIN		DELAWARE BASIN WEST	LOST TANK		EDDY	NM	
Surface Legal Location		API#	Latitude (°)	Longitude (°)	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)
SEC34 T21S R31E		3001542386	32° 26' 22.579" N	103° 46' 19.444" W	3,492.20	3,464.20	28.00
Survey Data							
Date	MD (ft)	Ind (ft)	Arm (ft)	TVD (ft)	VS (ft)	NS (ft)	EW (ft)
1/20/2015	11,603.00	89.20	359.60	7,845.23	4,100.53	4,101.85	180.26
1/20/2015	11,698.00	90.20	1.90	7,845.72	4,195.50	4,196.84	181.50
1/20/2015	11,793.00	90.90	2.60	7,844.81	4,280.40	4,291.76	185.23
1/20/2015	11,887.00	89.10	359.60	7,844.81	4,384.35	4,385.72	187.20
1/20/2015	11,983.00	88.90	359.40	7,846.49	4,480.33	4,481.71	186.53
1/20/2015	12,078.00	89.90	1.50	7,847.48	4,575.31	4,576.69	187.28
1/20/2015	12,173.00	88.50	359.60	7,848.81	4,670.28	4,671.67	188.19
1/20/2015	12,267.00	88.40	359.90	7,851.35	4,764.25	4,765.64	187.78
1/20/2015	12,361.00	88.40	359.10	7,853.98	4,858.21	4,859.59	186.96
1/20/2015	12,457.00	88.50	358.80	7,856.57	4,954.17	4,955.54	185.20
1/20/2015	12,552.00	89.90	358.40	7,857.90	5,049.14	5,050.50	182.88
1/20/2015	12,647.00	90.60	358.50	7,857.48	5,144.12	5,145.47	180.31
1/20/2015	12,741.00	90.30	357.50	7,856.75	5,238.08	5,239.40	177.03
1/20/2015	12,836.00	90.40	356.20	7,856.17	5,332.96	5,334.26	171.81
1/20/2015	12,930.00	90.80	355.90	7,855.18	5,426.78	5,428.03	165.34
1/20/2015	13,025.00	91.70	356.80	7,853.11	5,521.60	5,522.81	159.29
1/20/2015	13,120.00	92.40	357.60	7,849.71	5,616.45	5,617.64	154.65
1/20/2015	13,214.00	92.30	358.20	7,845.86	5,710.33	5,711.49	151.21
1/20/2015	13,308.00	91.50	357.80	7,842.74	5,804.24	5,805.38	147.93
1/20/2015	13,402.00	90.10	356.40	7,841.43	5,898.14	5,899.25	143.18
1/20/2015	13,497.00	89.00	354.80	7,842.17	5,992.90	5,993.96	135.89
1/20/2015	13,592.00	89.00	353.40	7,843.83	6,087.44	6,088.44	126.12
1/20/2015	13,687.00	90.50	355.20	7,844.25	6,182.03	6,182.96	116.69
1/20/2015	13,781.00	91.20	356.20	7,842.85	6,275.80	6,276.69	109.64
1/20/2015	13,876.00	91.80	357.10	7,840.37	6,370.64	6,371.49	104.09
1/20/2015	13,971.00	90.10	356.20	7,838.79	6,465.49	6,466.31	98.54
1/20/2015	14,066.00	89.30	355.90	7,839.29	6,560.31	6,561.08	92.00
1/20/2015	14,161.00	89.80	356.10	7,840.03	6,655.11	6,655.85	85.37
1/20/2015	14,256.00	89.30	356.20	7,840.78	6,749.94	6,750.83	78.99
1/20/2015	14,351.00	89.20	356.40	7,842.02	6,844.77	6,845.43	72.86
1/20/2015	14,446.00	89.20	355.70	7,843.35	6,939.58	6,940.19	66.32
1/20/2015	14,540.00	89.90	358.70	7,844.09	7,033.48	7,034.06	61.73
1/20/2015	14,635.00	89.80	358.90	7,844.34	7,128.47	7,129.04	59.74
1/20/2015	14,730.00	88.80	359.80	7,845.50	7,223.46	7,224.03	58.66
1/20/2015	14,825.00	88.20	359.10	7,847.98	7,318.43	7,318.99	57.75
1/20/2015	14,919.00	88.20	359.10	7,850.94	7,412.36	7,412.93	56.27
1/20/2015	15,014.00	87.90	359.60	7,854.17	7,507.32	7,507.87	55.20
1/20/2015	15,093.00	88.30	359.20	7,856.79	7,586.28	7,586.82	54.37
1/20/2015	15,180.00	88.80	358.90	7,858.99	7,673.24	7,673.78	52.93
1/20/2015	15,275.00	89.50	358.70	7,860.40	7,768.22	7,768.75	50.94
1/20/2015	15,370.00	89.80	358.90	7,860.98	7,863.21	7,863.73	48.95
1/20/2015	15,465.00	90.20	359.40	7,860.98	7,958.21	7,958.72	47.54
1/20/2015	15,560.00	90.30	359.60	7,860.57	8,053.21	8,053.71	46.71
1/20/2015	15,655.00	90.90	0.30	7,859.57	8,148.20	8,148.70	46.63
1/20/2015	15,750.00	90.50	0.10	7,858.41	8,243.19	8,243.70	46.96
1/20/2015	15,845.00	89.30	359.40	7,858.58	8,338.18	8,338.69	46.55
1/20/2015	15,939.00	88.90	359.40	7,860.05	8,432.17	8,432.68	45.56
1/20/2015	16,034.00	88.70	359.40	7,862.04	8,527.15	8,527.65	44.57
1/20/2015	16,129.00	87.70	359.40	7,865.03	8,622.10	8,622.60	43.57
1/20/2015	16,224.00	87.20	358.50	7,869.25	8,717.00	8,717.48	41.83
1/20/2015	16,319.00	87.50	358.20	7,873.64	8,811.87	8,812.34	39.10
1/20/2015	16,413.00	87.50	357.50	7,877.74	8,905.74	8,906.19	36.58
1/20/2015	16,508.00	87.80	357.80	7,881.64	9,000.60	9,001.03	31.69
1/20/2015	16,508.00	87.80	357.80	7,881.64	9,000.60	9,001.03	31.69
1/20/2015	16,602.00	87.40	358.00	7,885.58	9,094.48	9,094.88	28.24
1/20/2015	16,697.00	88.30	358.50	7,889.14	9,189.39	9,189.77	25.35
1/20/2015	16,792.00	87.80	358.70	7,892.37	9,284.31	9,284.69	23.03
1/20/2015	16,887.00	87.30	359.10	7,896.43	9,379.22	9,379.58	21.20
1/20/2015	16,981.00	87.20	359.60	7,900.94	9,473.11	9,473.47	20.14
1/20/2015	17,076.00	87.00	359.90	7,905.75	9,567.99	9,568.34	19.72
1/20/2015	17,170.00	86.90	0.50	7,910.75	9,661.85	9,662.21	20.05
1/20/2015	17,265.00	88.40	1.00	7,916.30	9,756.67	9,757.04	21.29
1/20/2015	17,360.00	86.30	1.70	7,922.35	9,851.43	9,851.82	23.53
1/20/2015	17,455.00	86.90	2.60	7,927.99	9,946.17	9,946.58	27.08
1/20/2015	17,550.00	88.20	4.20	7,932.05	10,040.87	10,041.33	32.71
1/20/2015	17,645.00	87.80	4.20	7,935.36	10,135.51	10,136.01	39.67
1/20/2015	17,739.00	87.70	4.20	7,939.05	10,229.13	10,229.69	46.55
1/20/2015	17,834.00	87.70	4.90	7,942.87	10,323.70	10,324.31	54.08
1/20/2015	17,929.00	87.10	5.40	7,947.17	10,418.16	10,418.83	62.60
1/20/2015	18,024.00	86.20	5.60	7,952.73	10,512.50	10,513.23	71.69
1/20/2015	18,119.00	85.60	5.90	7,959.52	10,606.71	10,607.51	81.18
1/20/2015	18,151.00	85.20	6.30	7,962.08	10,638.40	10,639.23	84.57
1/20/2015	18,213.00	85.20	6.30	7,967.27	10,699.77	10,700.63	91.35