



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 21 2018

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Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 18-20S-29E Derringer 18 B3MP Fed 2H

Derringer 18 B3MP Fed 2H

30-015-44816

Original Hole

Design: Original Hole

Standard Survey Report

04 June, 2018

Provide Signature Page for
Directional Survey





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 18-20S-29E Derringer 18 B3MP Fed 2H
Well: Derringer 18 B3MP Fed 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Derringer 18 B3MP Fed 2H
TVD Reference: 3253 +27 @ 3280.0usft (Patterson 560)
MD Reference: 3253 +27 @ 3280.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Eddy County, N.M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Section 18-20S-29E Derringer 18 B3MP Fed 2H

Site Position:	Northing:	570,086.20 usft	Latitude:	32° 34' 1.353 N
From: Map	Easting:	606,832.90 usft	Longitude:	104° 7' 14.632 W
Position Uncertainty: 0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well Derringer 18 B3MP Fed 2H

Well Position	+N/-S	0.0 usft	Northing:	570,086.20 usft	Latitude:	32° 34' 1.353 N
	+E/-W	0.0 usft	Easting:	606,832.90 usft	Longitude:	104° 7' 14.632 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	3,253.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/12/2018	7.16	60.28	48,008.30517771

Design Original Hole

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	85.16	

Survey Program Date 6/4/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	3,017.0	Phoenix gyro Survey (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline
3,121.0	13,350.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.21	245.52	100.0	-0.1	-0.2	-0.2	0.21	0.21	0.00
200.0	0.35	176.52	200.0	-0.5	-0.3	-0.4	0.34	0.14	-69.00
300.0	0.73	123.34	300.0	-1.1	0.2	0.1	0.59	0.38	-53.18
400.0	1.15	86.42	400.0	-1.4	1.8	1.6	0.72	0.42	-36.92
500.0	1.05	81.69	500.0	-1.2	3.7	3.6	0.13	-0.10	-4.73
600.0	0.82	88.08	600.0	-1.0	5.3	5.2	0.25	-0.23	6.39
700.0	1.00	84.61	699.9	-0.9	6.9	6.8	0.19	0.18	-3.47
800.0	1.02	84.38	799.9	-0.8	8.6	8.5	0.02	0.02	-0.23
900.0	1.06	81.13	899.9	-0.5	10.4	10.4	0.07	0.04	-3.25



Microsoft Survey Report



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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	1.24	81.19	999.9	-0.2	12.4	12.4	0.18	0.18	0.06
1,100.0	1.18	94.60	1,099.9	-0.2	14.5	14.5	0.29	-0.06	13.41
1,200.0	0.75	68.38	1,199.8	0.0	16.2	16.1	0.61	-0.43	-26.22
1,300.0	0.82	60.21	1,299.8	0.6	17.4	17.4	0.13	0.07	-8.17
1,400.0	0.40	343.17	1,399.8	1.3	17.9	17.9	0.83	-0.42	-77.04
1,500.0	0.40	55.05	1,499.8	1.8	18.1	18.2	0.47	0.00	71.88
1,600.0	0.35	39.63	1,599.8	2.3	18.6	18.7	0.11	-0.05	-15.42
1,700.0	0.36	43.97	1,699.8	2.7	19.0	19.1	0.03	0.01	4.34
1,800.0	0.75	93.64	1,799.8	2.9	19.9	20.0	0.59	0.39	49.67
1,900.0	1.03	121.04	1,899.8	2.4	21.3	21.4	0.50	0.28	27.40
2,000.0	1.16	107.10	1,999.8	1.6	23.0	23.1	0.30	0.13	-13.94
2,100.0	1.26	93.62	2,099.8	1.3	25.1	25.1	0.30	0.10	-13.48
2,200.0	0.90	86.84	2,199.8	1.2	27.0	27.0	0.38	-0.36	-6.78
2,300.0	1.26	82.09	2,299.7	1.4	28.8	28.8	0.37	0.36	-4.75
2,400.0	1.20	81.47	2,399.7	1.8	31.0	31.0	0.06	-0.06	-0.62
2,500.0	1.37	73.52	2,499.7	2.2	33.1	33.2	0.25	0.17	-7.95
2,600.0	1.23	90.60	2,599.7	2.6	35.4	35.4	0.41	-0.14	17.08
2,700.0	1.28	79.98	2,699.6	2.8	37.5	37.6	0.24	0.05	-10.62
2,800.0	1.42	77.92	2,799.6	3.2	39.8	40.0	0.15	0.14	-2.06
2,900.0	0.95	78.20	2,899.6	3.6	41.9	42.0	0.47	-0.47	0.28
3,017.0	0.92	98.10	3,016.6	3.7	43.7	43.9	0.28	-0.03	17.01
3017.0' MD Phoenix Gyro									
3,121.0	0.70	85.00	3,120.6	3.6	45.2	45.3	0.28	-0.21	-12.60
3,215.0	1.20	335.00	3,214.6	4.6	45.4	45.6	1.68	0.53	-117.02
3,310.0	4.40	296.70	3,309.4	7.1	41.7	42.1	3.72	3.37	-40.32
3,404.0	4.90	282.80	3,403.1	9.6	34.5	35.2	1.31	0.53	-14.79
3,499.0	4.90	282.00	3,497.8	11.4	26.6	27.5	0.07	0.00	-0.84
3,593.0	4.90	281.90	3,591.4	13.0	18.8	19.8	0.01	0.00	-0.11
3,688.0	4.90	283.90	3,686.1	14.9	10.9	12.1	0.18	0.00	2.11
3,782.0	4.90	268.30	3,779.8	15.7	2.9	4.3	1.41	0.00	-16.60
3,877.0	5.10	272.80	3,874.4	15.8	-5.3	-4.0	0.46	0.21	4.74
3,971.0	5.10	273.10	3,968.0	16.2	-13.7	-12.3	0.03	0.00	0.32
4,066.0	3.80	274.20	4,062.7	16.7	-21.0	-19.5	1.37	-1.37	1.16
4,161.0	3.70	273.30	4,157.5	17.1	-27.2	-25.7	0.12	-0.11	-0.95
4,255.0	4.50	286.20	4,251.3	18.3	-33.8	-32.1	1.29	0.85	13.72
4,350.0	4.60	286.40	4,346.0	20.4	-41.0	-39.2	0.11	0.11	0.21
4,444.0	4.80	279.40	4,439.7	22.1	-48.5	-46.5	0.65	0.21	-7.45
4,539.0	4.80	279.70	4,534.3	23.4	-56.4	-54.2	0.03	0.00	0.32
4,633.0	4.70	279.10	4,628.0	24.7	-64.0	-61.7	0.12	-0.11	-0.64
4,728.0	4.80	280.10	4,722.7	26.0	-71.8	-69.3	0.14	0.11	1.05
4,823.0	4.00	276.60	4,817.4	27.1	-79.0	-76.4	0.89	-0.84	-3.68
4,917.0	4.00	277.00	4,911.2	27.9	-85.5	-82.9	0.03	0.00	0.43
5,012.0	4.10	277.40	5,005.9	28.7	-92.2	-89.4	0.11	0.11	0.42

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Derringer 18 B3MP Fed 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3253 +27 @ 3280.0usft (Patterson 560)
Site:	Section 18-20S-29E Derringer 18 B3MP Fed 2H	MD Reference:	3253 +27 @ 3280.0usft (Patterson 560)
Well:	Derringer 18 B3MP Fed 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,106.0	4.20	275.70	5,099.7	29.5	-98.9	-96.1	0.17	0.11	-1.81
5,201.0	4.20	277.70	5,194.4	30.3	-105.8	-102.9	0.15	0.00	2.11
5,295.0	4.40	277.00	5,288.2	31.2	-112.8	-109.8	0.22	0.21	-0.74
5,390.0	4.40	275.30	5,382.9	32.0	-120.1	-116.9	0.14	0.00	-1.79
5,485.0	4.50	276.40	5,477.6	32.7	-127.4	-124.2	0.14	0.11	1.16
5,579.0	4.70	274.90	5,571.3	33.5	-134.9	-131.6	0.25	0.21	-1.60
5,674.0	3.90	292.90	5,666.0	35.1	-141.8	-138.3	1.64	-0.84	18.95
5,769.0	3.80	289.30	5,760.8	37.3	-147.7	-144.0	0.28	-0.11	-3.79
5,863.0	3.80	283.00	5,854.6	39.1	-153.7	-149.8	0.44	0.00	-6.70
5,958.0	3.60	275.90	5,949.4	40.1	-159.7	-155.8	0.53	-0.21	-7.47
6,052.0	3.20	272.60	6,043.3	40.5	-165.3	-161.3	0.47	-0.43	-3.51
6,147.0	4.00	282.50	6,138.1	41.4	-171.2	-167.1	1.06	0.84	10.42
6,242.0	3.90	280.70	6,232.8	42.7	-177.6	-173.3	0.17	-0.11	-1.89
6,336.0	4.40	283.10	6,326.6	44.1	-184.2	-179.8	0.56	0.53	2.55
6,431.0	4.50	282.90	6,421.3	45.7	-191.4	-186.9	0.11	0.11	-0.21
6,526.0	4.20	281.40	6,516.0	47.3	-198.4	-193.8	0.34	-0.32	-1.58
6,620.0	4.60	279.10	6,609.8	48.5	-205.5	-200.7	0.47	0.43	-2.45
6,715.0	4.60	276.20	6,704.5	49.5	-213.1	-208.2	0.24	0.00	-3.05
6,809.0	4.50	269.70	6,798.2	49.9	-220.5	-215.5	0.56	-0.11	-6.91
6,904.0	4.40	267.30	6,892.9	49.7	-227.9	-222.9	0.22	-0.11	-2.53
6,999.0	4.10	276.30	6,987.6	49.9	-234.9	-229.9	0.77	-0.32	9.47
7,094.0	3.60	277.40	7,082.4	50.7	-241.2	-236.1	0.53	-0.53	1.16
7,188.0	3.20	274.10	7,176.2	51.3	-246.8	-241.6	0.47	-0.43	-3.51
7,283.0	2.90	272.80	7,271.1	51.6	-251.8	-246.6	0.32	-0.32	-1.37
7,377.0	3.50	282.80	7,365.0	52.3	-257.0	-251.7	0.87	0.64	10.64
7,472.0	3.60	284.50	7,459.8	53.7	-262.7	-257.3	0.15	0.11	1.79
7,568.0	4.00	279.20	7,555.6	55.0	-268.9	-263.3	0.55	0.42	-5.52
7,663.0	5.40	283.50	7,650.2	56.6	-276.6	-270.8	1.52	1.47	4.53
7,757.0	5.00	279.90	7,743.9	58.3	-284.9	-279.0	0.55	-0.43	-3.83
7,853.0	4.80	279.40	7,839.5	59.7	-293.0	-286.9	0.21	-0.21	-0.52
7,948.0	4.60	274.10	7,934.2	60.6	-300.7	-294.5	0.50	-0.21	-5.58
8,042.0	4.10	258.90	8,027.9	60.2	-307.8	-301.6	1.33	-0.53	-16.17
8,137.0	3.80	291.50	8,122.7	60.7	-314.0	-307.8	2.35	-0.32	34.32
8,232.0	1.60	262.90	8,217.6	61.7	-318.3	-311.9	2.65	-2.32	-30.11
8,326.0	0.90	290.70	8,311.6	61.8	-320.3	-313.9	0.96	-0.74	29.57
8,364.5	0.86	276.86	8,350.0	62.0	-320.8	-314.5	0.56	-0.10	-35.96
B.B. Derringer 18 B3MP Fed 2H									
8,421.0	0.90	256.30	8,406.6	61.9	-321.7	-315.3	0.56	0.07	-36.38
8,475.0	1.20	155.40	8,460.6	61.3	-321.9	-315.5	3.02	0.56	-186.85
8,506.0	6.10	96.00	8,491.5	60.8	-320.1	-313.8	18.02	15.81	-191.61
8,538.0	11.10	86.70	8,523.1	60.8	-315.3	-309.1	16.17	15.63	-29.06
8,569.0	14.40	80.80	8,553.4	61.6	-308.5	-302.2	11.43	10.65	-19.03
8,601.0	18.30	78.80	8,584.1	63.2	-299.7	-293.3	12.31	12.19	-6.25
8,632.0	21.00	78.80	8,613.2	65.3	-289.4	-282.9	8.71	8.71	0.00

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8,664.0	23.90	79.20	8,642.8	67.6	-277.5	-270.8	9.08	9.06	1.25
8,695.0	27.00	79.90	8,670.8	70.0	-264.4	-257.5	10.05	10.00	2.26
8,727.0	30.10	81.00	8,698.9	72.5	-249.3	-242.3	9.83	9.69	3.44
8,758.0	33.00	80.70	8,725.3	75.1	-233.3	-226.1	9.37	9.35	-0.97
8,790.0	35.90	80.30	8,751.7	78.1	-215.4	-208.0	9.09	9.06	-1.25
8,822.0	38.60	78.90	8,777.2	81.6	-196.4	-188.8	8.84	8.44	-4.38
8,853.0	42.40	78.50	8,800.7	85.5	-176.6	-168.8	12.29	12.26	-1.29
8,885.0	47.00	78.60	8,823.5	90.0	-154.6	-146.4	14.38	14.38	0.31
8,916.0	50.20	78.80	8,844.0	94.6	-131.8	-123.3	10.33	10.32	0.65
8,948.0	53.80	79.60	8,863.7	99.3	-107.0	-98.2	11.42	11.25	2.50
8,979.0	57.90	78.90	8,881.1	104.1	-81.8	-72.7	13.36	13.23	-2.26
<u>9,011.0</u>	62.20	78.60	8,897.1	<u>109.5</u>	<u>-54.6</u>	<u>-45.2</u>	13.46	13.44	-0.94
9,042.0	65.60	78.80	8,910.7	114.9	<u>-27.3</u>	-17.5	10.98	10.97	0.65
<u>9,113.0</u>	76.20	80.30	8,933.9	<u>127.1</u>	<u>38.6</u>	49.2	15.06	14.93	2.11
<u>9,129.0</u>	79.20	80.30	8,937.3	129.7	54.0	64.7	18.75	18.75	0.00
9,145.0	81.30	80.30	8,940.0	132.4	69.5	80.4	13.13	13.13	0.00
9,176.0	86.10	81.40	8,943.4	137.3	99.9	111.2	15.88	15.48	3.55
9,271.0	90.30	89.50	8,946.4	144.8	194.5	206.0	9.60	4.42	8.53
9,366.0	89.50	89.90	8,946.6	145.3	289.5	300.7	0.94	-0.84	0.42
9,459.0	86.40	90.40	8,949.9	145.0	382.4	393.3	3.38	-3.33	0.54
9,553.0	86.80	91.30	8,955.5	143.6	476.2	486.7	1.05	0.43	0.96
9,648.0	87.80	91.50	8,959.9	141.3	571.1	581.0	1.07	1.05	0.21
9,742.0	88.30	91.30	8,963.1	139.0	665.0	674.4	0.57	0.53	-0.21
9,837.0	88.80	87.70	8,965.5	139.8	760.0	769.1	3.82	0.53	-3.79
9,932.0	89.50	87.30	8,967.0	144.0	854.9	864.0	0.85	0.74	-0.42
10,026.0	89.90	86.80	8,967.4	148.8	948.7	957.9	0.68	0.43	-0.53
10,120.0	91.30	86.80	8,966.5	154.1	1,042.6	1,051.9	1.49	1.49	0.00
10,215.0	89.70	88.40	8,965.6	158.1	1,137.5	1,146.8	2.38	-1.68	1.68
10,310.0	88.40	89.50	8,967.2	159.8	1,232.5	1,241.5	1.79	-1.37	1.16
10,405.0	87.70	89.00	8,970.4	161.0	1,327.4	1,336.2	0.91	-0.74	-0.53
10,499.0	89.60	88.30	8,972.7	163.2	1,421.3	1,430.0	2.15	2.02	-0.74
10,594.0	90.20	87.90	8,972.8	166.4	1,516.3	1,524.9	0.76	0.63	-0.42
10,689.0	90.20	87.40	8,972.5	170.3	1,611.2	1,619.8	0.53	0.00	-0.53
10,783.0	90.70	87.20	8,971.8	174.7	1,705.1	1,713.8	0.57	0.53	-0.21
10,819.0	91.10	86.70	8,971.2	176.6	1,741.0	1,749.7	1.78	1.11	-1.39
10,913.0	88.60	87.50	8,971.4	181.4	1,834.9	1,843.7	2.79	-2.66	0.85
11,008.0	87.60	87.50	8,974.6	185.5	1,929.8	1,938.5	1.05	-1.05	0.00
11,103.0	87.10	86.80	8,979.0	190.3	2,024.5	2,033.4	0.90	-0.53	-0.74
11,197.0	86.30	86.90	8,984.4	195.4	2,118.2	2,127.2	0.86	-0.85	0.11
11,292.0	88.50	88.50	8,988.7	199.2	2,213.1	2,222.0	2.86	2.32	1.68
11,387.0	88.60	89.80	8,991.1	200.6	2,308.0	2,316.7	1.37	0.11	1.37
11,481.0	88.70	89.80	8,993.3	201.0	2,402.0	2,410.4	0.11	0.11	0.00
11,576.0	90.20	91.20	8,994.2	200.1	2,497.0	2,505.0	2.16	1.58	1.47

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Derringer 18 B3MP Fed 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3253 +27 @ 3280.0usft (Patterson 560)
Site:	Section 18-20S-29E Derringer 18 B3MP Fed 2H	MD Reference:	3253 +27 @ 3280.0usft (Patterson 560)
Well:	Derringer 18 B3MP Fed 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,671.0	90.30	91.60	8,993.8	197.8	2,592.0	2,599.4	0.43	0.11	0.42
11,765.0	88.50	91.30	8,994.8	195.4	2,685.9	2,692.8	1.94	-1.91	-0.32
11,860.0	91.30	91.00	8,995.0	193.5	2,780.9	2,787.3	2.96	2.95	-0.32
11,954.0	90.70	90.50	8,993.3	192.3	2,874.9	2,880.8	0.83	-0.64	-0.53
12,049.0	87.90	89.60	8,994.5	192.2	2,969.8	2,975.5	3.10	-2.95	-0.95
12,143.0	89.60	89.90	8,996.5	192.6	3,063.8	3,069.1	1.84	1.81	0.32
12,238.0	89.90	90.20	8,996.9	192.5	3,158.8	3,163.8	0.45	0.32	0.32
12,332.0	89.20	90.00	8,997.7	192.4	3,252.8	3,257.4	0.77	-0.74	-0.21
12,427.0	88.40	90.20	8,999.7	192.2	3,347.8	3,352.1	0.87	-0.84	0.21
12,522.0	89.40	90.50	9,001.5	191.6	3,442.8	3,446.7	1.10	1.05	0.32
12,616.0	89.90	91.20	9,002.1	190.2	3,536.8	3,540.2	0.92	0.53	0.74
12,711.0	90.90	91.90	9,001.4	187.7	3,631.7	3,634.6	1.28	1.05	0.74
12,806.0	90.20	91.10	9,000.5	185.2	3,726.7	3,729.0	1.12	-0.74	-0.84
12,900.0	89.30	91.30	9,000.9	183.2	3,820.7	3,822.5	0.98	-0.96	0.21
12,995.0	87.90	91.30	9,003.2	181.0	3,915.6	3,916.9	1.47	-1.47	0.00
13,090.0	90.50	92.20	9,004.6	178.1	4,010.5	4,011.3	2.90	2.74	0.95
13,184.0	87.30	92.60	9,006.4	174.2	4,104.4	4,104.5	3.43	-3.40	0.43
13,279.0	85.70	92.00	9,012.2	170.4	4,199.2	4,198.6	1.80	-1.68	-0.63
13,296.0	86.30	92.20	9,013.3	169.8	4,216.1	4,215.4	3.72	3.53	1.18
13,350.0	86.30	92.20	9,016.8	167.7	4,270.0	4,268.9	0.00	0.00	0.00

13350.0' MD Projected to Bit - PBHL Derringer 18 B3MP Fed 2H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,017.0	3,016.6	3.7	43.7	3017.0' MD Phoenix Gyro
13,350.0	9,016.8	167.7	4,270.0	13350.0' MD Projected to Bit

GEODETIC ZONE: New Mexico Eastern Zone

3253 +27 @ 3280.0usft (Patterson 560)

GROUND ELEVATION: 3253.0

+N/-S +E/-W Northing Easting Latitude Longitude Slot

0.0 0.0 570086.20 606832.90 32° 34' 1.353 N 104° 7' 14.632 W

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	3017.0	0.92	98.10	3016.6	3.7	43.7	0.00	0.00	43.9	
2	3078.3	0.00	0.00	3077.9	3.6	44.2	1.50	180.00	44.3	
3	3363.2	4.27	278.61	3362.6	5.2	33.7	1.50	278.61	33.9	
4	8079.2	4.27	278.61	8065.4	57.9	-313.7	0.00	0.00	-311.2	
5	8364.1	0.00	0.00	8350.0	59.4	-324.2	1.50	180.00	-321.7	B.B. Derringer 18 B3MP Fed 2H
6	8493.1	0.00	0.00	8479.0	59.4	-324.2	0.00	0.00	-321.7	
7	9237.3	89.31	78.00	8956.5	157.5	137.2	12.00	78.00	143.2	
8	9439.9	89.26	90.15	8959.0	178.4	338.2	6.00	90.32	344.9	
9	13375.9	89.26	90.15	9010.0	168.0	4273.9	0.00	0.00	4277.2	PBHL Derringer 18 B3MP Fed 2H

