

# Jay Bee Oil & Gas

Tyler Co., WV

Larry Pad

Larry 02

larry 02

Design: larry 02

## Standard Survey Report

30 October, 2016

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WV Department of  
Environmental Protection



## Survey Report

<b>Company:</b>	Jay Bee Oil & Gas	<b>Local Co-ordinate Reference:</b>	Well Larry 02
<b>Project:</b>	Tyler Co., WV	<b>TVD Reference:</b>	Nomac81 @ 738.38usft (Nomac81 (713.38+25KB=738.38))
<b>Site:</b>	Larry Pad	<b>MD Reference:</b>	Nomac81 @ 738.38usft (Nomac81 (713.38+25KB=738.38))
<b>Well:</b>	Larry 02	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	larry 02	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	larry 02	<b>Database:</b>	Gyrodata NWDB

<b>Project</b>	Tyler Co., WV		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	West Virginia Northern Zone		

<b>Site</b> Larry Pad					
<b>Site Position:</b>		<b>Northing:</b>	358,188.64 usft	<b>Latitude:</b>	39° 28' 30.707 N
<b>From:</b>	Map	<b>Easting:</b>	1,578,758.47 usft	<b>Longitude:</b>	80° 52' 50.681 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b>	-0.88 °

<b>Well</b> Larry 02						
<b>Well Position</b>	+N/-S	0.00 usft	<b>Northing:</b>	358,185.83 usft	<b>Latitude:</b>	39° 28' 30.680 N
	+E/-W	0.00 usft	<b>Easting:</b>	1,578,768.06 usft	<b>Longitude:</b>	80° 52' 50.558 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft	<b>Ground Level:</b>	713.38 usft

<b>Wellbore</b> larry 02					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/18/2016	-7.43	66.88	52,144

<b>Design</b> larry 02					
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	159.49	

<b>Survey Program</b>		<b>Date</b> 10/30/2016			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
405.00	735.00	Survey #1 - Top Hole (larry 02)	MWD - OSWG	OSWG MWD - Standard	
2,089.00	14,024.00	Survey #2 (larry 02)	MWD - OSWG	OSWG MWD - Standard	

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<b>Survey</b>									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
405.00	1.56	209.02	404.95	-4.82	-2.67	3.58	0.39	0.39	0.00
435.00	1.84	209.01	434.94	-5.60	-3.11	4.16	0.93	0.93	-0.03
465.00	2.48	211.93	464.92	-6.57	-3.68	4.86	2.16	2.13	9.73
495.00	3.48	223.34	494.87	-7.78	-4.65	5.66	3.86	3.33	38.03
525.00	4.30	221.12	524.81	-9.29	-6.02	6.60	2.78	2.73	-7.40
555.00	4.36	224.68	554.72	-10.95	-7.56	7.61	0.92	0.20	11.87
585.00	4.33	222.05	584.63	-12.60	-9.12	8.61	0.67	-0.10	-8.77

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<b>Design:</b>	larry 02	<b>Database:</b>	Gyrodata NWDB

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Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
615.00	4.44	223.09	614.55	-14.29	-10.67	9.65	0.45	0.37	3.47	
645.00	4.46	223.25	644.46	-15.99	-12.26	10.68	0.08	0.07	0.53	
675.00	4.61	224.66	674.36	-17.70	-13.91	11.70	0.62	0.50	4.70	
705.00	4.46	222.34	704.27	-19.42	-15.54	12.74	0.79	-0.50	-7.73	
735.00	4.73	224.05	734.17	-21.17	-17.19	13.80	1.01	0.90	5.70	
2,089.00	3.13	261.94	2,085.16	-66.49	-92.62	29.82	0.22	-0.12	2.80	
2,423.00	1.41	254.76	2,418.88	-68.84	-105.61	27.48	0.52	-0.51	-2.15	
2,757.00	0.82	253.59	2,752.82	-70.60	-111.87	26.93	0.18	-0.18	-0.35	
3,055.00	0.60	250.21	3,050.80	-71.73	-115.38	26.76	0.08	-0.07	-1.13	
3,362.00	0.31	271.41	3,357.79	-72.25	-117.73	26.43	0.11	-0.09	6.91	
3,688.00	0.29	308.90	3,683.78	-71.71	-119.25	25.39	0.06	-0.01	11.50	
4,004.00	0.42	314.66	3,999.78	-70.40	-120.70	23.65	0.04	0.04	1.82	
4,320.00	0.79	322.72	4,315.76	-67.85	-122.84	20.51	0.12	0.12	2.55	
4,573.00	0.91	328.26	4,568.73	-64.75	-124.95	16.87	0.06	0.05	2.19	
5,107.00	0.67	330.17	5,102.68	-58.44	-128.74	9.63	0.05	-0.04	0.36	
5,392.00	0.30	300.84	5,387.67	-56.61	-130.21	7.40	0.15	-0.13	-10.29	
5,423.00	0.16	298.83	5,418.67	-56.55	-130.31	7.31	0.45	-0.45	-6.48	
5,455.00	2.04	146.10	5,450.66	-57.00	-130.04	7.83	6.82	5.87	-477.28	
5,487.00	6.37	149.85	5,482.57	-59.01	-128.83	10.13	13.55	13.53	11.72	
5,517.00	9.10	148.91	5,512.29	-62.48	-126.76	14.10	9.11	9.10	-3.13	
5,549.00	10.73	148.07	5,543.81	-67.18	-123.88	19.51	5.11	5.09	-2.62	
5,581.00	10.55	146.61	5,575.26	-72.15	-120.69	25.29	1.01	-0.56	-4.56	
5,612.00	9.58	142.34	5,605.79	-76.56	-117.56	30.52	3.95	-3.13	-13.77	
5,644.00	10.68	142.74	5,637.29	-81.03	-114.13	35.90	3.44	3.44	1.25	
5,675.00	12.89	143.98	5,667.63	-86.11	-110.36	41.99	7.18	7.13	4.00	
5,707.00	15.66	147.42	5,698.64	-92.64	-105.94	49.65	9.05	8.66	10.75	
5,739.00	18.31	146.67	5,729.24	-100.48	-100.85	58.78	8.31	8.28	-2.34	
5,770.00	20.42	147.53	5,758.49	-109.11	-95.27	68.82	6.87	6.81	2.77	
5,802.00	22.06	148.84	5,788.31	-118.97	-89.16	80.19	5.33	5.12	4.09	
5,833.00	24.75	150.35	5,816.76	-129.59	-82.94	92.32	8.89	8.68	4.87	
5,865.00	27.61	149.11	5,845.47	-141.78	-75.82	106.23	9.10	8.94	-3.87	
5,897.00	30.07	149.62	5,873.50	-155.06	-67.95	121.42	7.73	7.69	1.59	
5,928.00	32.76	150.66	5,899.96	-169.07	-59.91	137.36	8.85	8.68	3.35	
5,960.00	35.16	151.40	5,926.50	-184.71	-51.26	155.04	7.61	7.50	2.31	
5,992.00	38.19	150.94	5,952.16	-201.45	-42.04	173.95	9.51	9.47	-1.44	
6,023.00	42.11	150.00	5,975.85	-218.84	-32.19	193.69	12.80	12.65	-3.03	
6,055.00	45.68	149.90	5,998.90	-238.04	-21.08	215.56	11.16	11.16	-0.31	
6,086.00	49.61	149.86	6,019.79	-257.85	-9.58	238.15	12.68	12.68	-0.13	
6,118.00	53.12	149.01	6,039.76	-279.37	3.13	262.75	11.16	10.97	-2.66	
6,150.00	56.33	148.82	6,058.24	-301.74	16.62	288.43	10.04	10.03	-0.59	
6,181.00	58.03	149.55	6,075.04	-324.11	29.96	314.06	5.83	5.48	2.35	
6,213.00	60.08	151.11	6,091.50	-347.96	43.54	341.16	7.65	6.41	4.87	

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6,245.00	63.51	151.33	6,106.62	-372.67	57.11	369.06	10.74	10.72	0.69
6,276.00	66.82	152.26	6,119.64	-397.46	70.41	396.93	11.02	10.68	3.00
6,308.00	71.11	151.83	6,131.12	-423.84	84.41	426.54	13.46	13.41	-1.34
6,340.00	74.73	151.40	6,140.52	-450.74	98.95	456.84	11.39	11.31	-1.34
6,371.00	79.57	152.10	6,147.41	-477.36	113.25	486.78	15.77	15.61	2.26
6,403.00	84.63	152.47	6,151.81	-505.41	127.98	518.21	15.85	15.81	1.16
6,435.00	85.93	152.69	6,154.44	-533.72	142.67	549.87	4.12	4.06	0.69
6,466.00	86.31	152.65	6,156.54	-561.19	156.87	580.58	1.23	1.23	-0.13
6,498.00	86.45	152.93	6,158.56	-589.60	171.47	612.30	0.98	0.44	0.87
6,530.00	85.08	154.12	6,160.92	-618.16	185.70	644.04	5.66	-4.28	3.72
6,561.00	84.92	154.03	6,163.62	-645.93	199.20	674.78	0.59	-0.52	-0.29
6,593.00	84.92	154.48	6,166.46	-674.65	213.04	706.52	1.40	0.00	1.41
6,624.00	85.17	154.29	6,169.13	-702.49	226.39	737.29	1.01	0.81	-0.61
6,656.00	83.98	153.98	6,172.16	-731.16	240.29	769.00	3.84	-3.72	-0.97
6,687.00	83.78	154.21	6,175.46	-758.88	253.76	799.69	0.98	-0.65	0.74
6,719.00	82.67	154.08	6,179.24	-787.48	267.62	831.33	3.49	-3.47	-0.41
6,750.00	82.69	153.75	6,183.19	-815.10	281.14	861.93	1.06	0.06	-1.06
6,782.00	84.30	153.82	6,186.81	-843.62	295.18	893.56	5.04	5.03	0.22
6,814.00	87.72	155.84	6,189.04	-872.50	308.75	925.38	12.40	10.69	6.31
6,845.00	88.69	156.01	6,190.01	-900.79	321.39	956.30	3.18	3.13	0.55
6,877.00	88.56	156.42	6,190.78	-930.07	334.29	988.24	1.34	-0.41	1.28
6,909.00	88.32	156.59	6,191.65	-959.40	347.05	1,020.18	0.92	-0.75	0.53
6,940.00	88.32	156.07	6,192.56	-987.78	359.49	1,051.12	1.68	0.00	-1.68
6,972.00	88.03	156.24	6,193.58	-1,017.04	372.42	1,083.05	1.05	-0.91	0.53
7,003.00	88.06	155.91	6,194.64	-1,045.36	384.98	1,113.98	1.07	0.10	-1.06
7,035.00	88.46	155.98	6,195.61	-1,074.56	398.02	1,145.90	1.27	1.25	0.22
7,066.00	89.52	157.01	6,196.15	-1,102.99	410.38	1,176.85	4.77	3.42	3.32
7,098.00	89.92	157.04	6,196.31	-1,132.45	422.87	1,208.82	1.25	1.25	0.09
7,129.00	90.32	156.99	6,196.25	-1,160.99	434.98	1,239.80	1.30	1.29	-0.16
7,161.00	90.70	156.47	6,195.96	-1,190.38	447.62	1,271.76	2.01	1.19	-1.62
7,192.00	90.50	156.59	6,195.64	-1,218.82	459.96	1,302.71	0.75	-0.65	0.39
7,224.00	89.32	157.57	6,195.69	-1,248.29	472.42	1,334.68	4.79	-3.69	3.06
7,256.00	89.05	157.69	6,196.14	-1,277.88	484.60	1,366.66	0.92	-0.84	0.37
7,287.00	88.74	159.43	6,196.74	-1,306.73	495.93	1,397.65	5.70	-1.00	5.61
7,319.00	89.15	159.73	6,197.33	-1,336.71	507.09	1,429.65	1.59	1.28	0.94
7,350.00	90.48	160.27	6,197.43	-1,365.84	517.70	1,460.65	4.63	4.29	1.74
7,382.00	91.17	159.95	6,196.97	-1,395.93	528.58	1,492.64	2.38	2.16	-1.00
7,414.00	91.31	159.60	6,196.28	-1,425.95	539.64	1,524.63	1.18	0.44	-1.09
7,445.00	89.78	159.42	6,195.98	-1,454.98	550.49	1,555.63	4.97	-4.94	-0.58
7,477.00	89.39	159.92	6,196.21	-1,484.99	561.61	1,587.63	1.98	-1.22	1.56
7,509.00	89.31	159.48	6,196.58	-1,515.00	572.71	1,619.63	1.40	-0.25	-1.37
7,540.00	89.25	159.12	6,196.97	-1,544.00	583.67	1,650.62	1.18	-0.19	-1.16

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7,572.00	89.15	158.88	6,197.41	-1,573.87	595.13	1,682.62	0.81	-0.31	-0.75
7,603.00	89.12	158.90	6,197.88	-1,602.78	606.30	1,713.61	0.12	-0.10	0.06
7,635.00	89.39	159.46	6,198.30	-1,632.69	617.67	1,745.61	1.94	0.84	1.75
7,667.00	89.01	161.33	6,198.74	-1,662.83	628.41	1,777.60	5.96	-1.19	5.84
7,698.00	88.88	161.73	6,199.31	-1,692.23	638.23	1,808.58	1.36	-0.42	1.29
7,729.00	88.06	160.38	6,200.14	-1,721.54	648.29	1,839.55	5.09	-2.65	-4.35
7,761.00	89.05	160.04	6,200.95	-1,751.64	659.12	1,871.54	3.27	3.09	-1.06
7,792.00	90.70	160.28	6,201.02	-1,780.80	669.64	1,902.54	5.38	5.32	0.77
7,824.00	90.97	160.40	6,200.55	-1,810.93	680.40	1,934.53	0.92	0.84	0.37
7,855.00	90.75	160.02	6,200.08	-1,840.10	690.90	1,965.52	1.42	-0.71	-1.23
7,887.00	89.27	158.52	6,200.08	-1,870.02	702.22	1,997.52	6.58	-4.62	-4.69
7,919.00	88.74	158.42	6,200.63	-1,899.79	713.97	2,029.51	1.69	-1.66	-0.31
7,950.00	90.10	159.91	6,200.95	-1,928.76	724.99	2,060.51	6.51	4.39	4.81
7,982.00	92.13	160.23	6,200.33	-1,958.83	735.90	2,092.50	6.42	6.34	1.00
8,013.00	92.46	160.95	6,199.08	-1,988.05	746.19	2,123.47	2.55	1.06	2.32
8,045.00	91.02	160.86	6,198.11	-2,018.27	756.65	2,155.44	4.51	-4.50	-0.28
8,077.00	90.90	161.19	6,197.58	-2,048.53	767.06	2,187.43	1.10	-0.37	1.03
8,108.00	89.51	160.72	6,197.47	-2,077.83	777.17	2,218.42	4.73	-4.48	-1.52
8,140.00	89.09	160.72	6,197.86	-2,108.03	787.74	2,250.41	1.31	-1.31	0.00
8,171.00	89.92	160.70	6,198.12	-2,137.29	797.98	2,281.40	2.68	2.68	-0.06
8,203.00	90.41	161.16	6,198.03	-2,167.53	808.43	2,313.39	2.10	1.53	1.44
8,235.00	90.25	161.20	6,197.85	-2,197.82	818.75	2,345.37	0.52	-0.50	0.12
8,266.00	89.93	161.12	6,197.80	-2,227.16	828.77	2,376.36	1.06	-1.03	-0.26
8,298.00	89.80	160.85	6,197.87	-2,257.42	839.19	2,408.35	0.94	-0.41	-0.84
8,330.00	90.75	160.00	6,197.72	-2,287.57	849.91	2,440.34	3.98	2.97	-2.66
8,425.00	90.39	160.39	6,196.78	-2,376.94	882.10	2,535.33	0.56	-0.38	0.41
8,520.00	89.90	161.97	6,196.54	-2,466.86	912.74	2,630.29	1.74	-0.52	1.66
8,614.00	89.80	160.24	6,196.78	-2,555.79	943.18	2,724.24	1.84	-0.11	-1.84
8,709.00	90.11	159.92	6,196.86	-2,645.11	975.55	2,819.24	0.47	0.33	-0.34
8,803.00	89.72	160.44	6,197.00	-2,733.54	1,007.42	2,913.23	0.69	-0.41	0.55
8,898.00	89.99	159.02	6,197.24	-2,822.65	1,040.33	3,008.23	1.52	0.28	-1.49
8,993.00	90.27	158.95	6,197.02	-2,911.33	1,074.40	3,103.22	0.30	0.29	-0.07
9,087.00	90.22	158.11	6,196.62	-2,998.81	1,108.81	3,197.21	0.90	-0.05	-0.89
9,182.00	90.59	159.36	6,195.95	-3,087.33	1,143.26	3,292.20	1.37	0.39	1.32
9,276.00	90.53	157.39	6,195.03	-3,174.71	1,177.90	3,386.17	2.10	-0.06	-2.10
9,371.00	88.35	156.41	6,195.96	-3,262.08	1,215.17	3,481.06	2.52	-2.29	-1.03
9,466.00	88.13	157.03	6,198.87	-3,349.31	1,252.69	3,575.91	0.69	-0.23	0.65
9,561.00	90.52	157.66	6,199.99	-3,436.96	1,289.28	3,670.82	2.60	2.52	0.66
9,655.00	90.15	157.89	6,199.44	-3,523.98	1,324.83	3,764.78	0.46	-0.39	0.24
9,716.00	89.86	158.65	6,199.44	-3,580.64	1,347.42	3,825.77	1.33	-0.48	1.25
9,810.00	91.37	158.23	6,198.43	-3,668.06	1,381.96	3,919.74	1.67	1.61	-0.45
9,905.00	90.78	158.07	6,196.65	-3,756.22	1,417.31	4,014.70	0.64	-0.62	-0.17

## Survey Report

<b>Company:</b>	Jay Bee Oil & Gas	<b>Local Co-ordinate Reference:</b>	Well Larry 02
<b>Project:</b>	Tyler Co., WV	<b>TVD Reference:</b>	Nomac81 @ 738.38usft (Nomac81 (713.38+25KB=738.38))
<b>Site:</b>	Larry Pad	<b>MD Reference:</b>	Nomac81 @ 738.38usft (Nomac81 (713.38+25KB=738.38))
<b>Well:</b>	Larry 02	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	larry 02	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	larry 02	<b>Database:</b>	Gyrodata NWDB

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Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,999.00	90.62	159.19	6,195.50	-3,843.75	1,451.56	4,108.68	1.20	-0.17	1.19
10,094.00	90.62	160.86	6,194.47	-3,933.02	1,484.01	4,203.67	1.76	0.00	1.76
10,189.00	89.24	160.32	6,194.59	-4,022.62	1,515.58	4,298.65	1.56	-1.45	-0.57
10,284.00	90.17	162.15	6,195.08	-4,112.57	1,546.14	4,393.60	2.16	0.98	1.93
10,379.00	90.55	162.41	6,194.48	-4,203.06	1,575.05	4,488.48	0.48	0.40	0.27
10,474.00	89.54	159.46	6,194.40	-4,292.84	1,606.08	4,583.44	3.28	-1.06	-3.11
10,569.00	89.59	160.30	6,195.13	-4,382.03	1,638.76	4,678.43	0.89	0.05	0.88
10,664.00	90.45	161.62	6,195.09	-4,471.83	1,669.75	4,773.40	1.66	0.91	1.39
10,759.00	89.37	160.27	6,195.24	-4,561.63	1,700.76	4,868.37	1.82	-1.14	-1.42
10,854.00	89.33	160.64	6,196.32	-4,651.15	1,732.54	4,963.35	0.39	-0.04	0.39
10,948.00	89.17	160.87	6,197.55	-4,739.88	1,763.52	5,057.31	0.30	-0.17	0.24
11,043.00	90.18	157.15	6,198.09	-4,828.56	1,797.54	5,152.29	4.06	1.06	-3.92
11,138.00	90.00	157.10	6,197.94	-4,916.09	1,834.47	5,247.21	0.20	-0.19	-0.05
11,233.00	89.47	157.16	6,198.38	-5,003.62	1,871.39	5,342.13	0.56	-0.56	0.06
11,327.00	92.03	158.79	6,197.15	-5,090.74	1,906.64	5,436.08	3.23	2.72	1.73
11,422.00	90.35	158.29	6,195.18	-5,179.14	1,941.38	5,531.04	1.85	-1.77	-0.53
11,516.00	89.94	157.60	6,194.94	-5,266.26	1,976.68	5,625.00	0.85	-0.44	-0.73
11,611.00	89.57	157.35	6,195.34	-5,354.01	2,013.07	5,719.94	0.47	-0.39	-0.26
11,706.00	90.11	158.17	6,195.61	-5,441.94	2,049.03	5,814.90	1.03	0.57	0.86
11,801.00	91.43	159.38	6,194.33	-5,530.48	2,083.42	5,909.88	1.88	1.39	1.27
11,896.00	91.16	159.63	6,192.19	-5,619.45	2,116.67	6,004.86	0.39	-0.28	0.26
11,990.00	89.09	157.97	6,191.98	-5,707.08	2,150.66	6,098.84	2.82	-2.20	-1.77
12,085.00	89.12	158.14	6,193.46	-5,795.18	2,186.16	6,193.80	0.18	0.03	0.18
12,180.00	91.43	160.27	6,193.01	-5,883.98	2,219.88	6,288.78	3.31	2.43	2.24
12,274.00	91.05	160.06	6,190.97	-5,972.38	2,251.77	6,382.76	0.46	-0.40	-0.22
12,369.00	89.73	158.76	6,190.33	-6,061.31	2,285.18	6,477.75	1.95	-1.39	-1.37
12,464.00	89.01	158.57	6,191.37	-6,149.79	2,319.74	6,572.73	0.78	-0.76	-0.20
12,559.00	88.81	160.86	6,193.18	-6,238.88	2,352.66	6,667.71	2.42	-0.21	2.41
12,654.00	88.16	159.80	6,195.69	-6,328.30	2,384.63	6,762.66	1.31	-0.68	-1.12
12,749.00	89.89	162.21	6,197.31	-6,418.11	2,415.54	6,857.61	3.12	1.82	2.54
12,844.00	89.48	161.54	6,197.83	-6,508.39	2,445.10	6,952.52	0.83	-0.43	-0.71
12,938.00	90.06	160.94	6,198.21	-6,597.40	2,475.33	7,046.48	0.89	0.62	-0.64
13,033.00	90.83	160.98	6,197.47	-6,687.19	2,506.32	7,141.44	0.81	0.81	0.04
13,128.00	91.50	160.43	6,195.54	-6,776.84	2,537.70	7,236.40	0.91	0.71	-0.58
13,222.00	91.34	160.97	6,193.21	-6,865.53	2,568.76	7,330.35	0.60	-0.17	0.57
13,317.00	91.23	160.71	6,191.08	-6,955.24	2,599.93	7,425.30	0.30	-0.12	-0.27
13,411.00	90.88	160.57	6,189.35	-7,043.91	2,631.09	7,519.26	0.40	-0.37	-0.15
13,506.00	91.33	160.90	6,187.52	-7,133.58	2,662.43	7,614.22	0.59	0.47	0.35
13,600.00	91.61	161.47	6,185.10	-7,222.52	2,692.73	7,708.15	0.68	0.30	0.61
13,695.00	91.16	161.59	6,182.81	-7,312.60	2,722.82	7,803.06	0.49	-0.47	0.13
13,790.00	90.53	161.48	6,181.41	-7,402.70	2,752.90	7,897.99	0.67	-0.66	-0.12
13,885.00	90.81	162.81	6,180.30	-7,493.12	2,782.03	7,992.88	1.43	0.29	1.40

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## Survey Report

<b>Company:</b>	Jay Bee Oil & Gas	<b>Local Co-ordinate Reference:</b>	Well Larry 02
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<b>Well:</b>	Larry 02	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	larry 02	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	larry 02	<b>Database:</b>	Gyrodata NWDB

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Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Turn Rate (°/100ft)
13,980.00	90.45	162.41	6,179.25	-7,583.77	2,810.42	8,087.73	0.57	-0.38	-0.42	-0.42
14,024.00	89.72	161.41	6,179.19	-7,625.60	2,824.08	8,131.69	2.81	-1.66	-2.27	-2.27

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WV Department of Environmental Protection

<b>Checked By:</b> _____	<b>Approved By:</b> _____	<b>Date:</b> _____
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