



## Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

Operator	Synergy Resources Corp.
Well Name & No.	SRC Vista S-2N-C
API #	05-123-41059
County & State	Weld County, CO
SDI Job No.	347039
Rig	PD 462
Survey Date	2-Mar-2016

I, Robert Scott, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 352 feet to a measured depth of 11509 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Robert H. Scott II', is written over a horizontal line.

Signature

7-Mar-2016

Date

### Robert H. Scott II

Rockies Region Well Planner  
Scientific Drilling - Rocky Mountain District

Project: Weld County, CO NAD 83  
Site: SRC Vista  
Well: SRC Vista S-2N-C  
Wellbore: OH  
Design: OH

WELL DETAILS: SRC Vista S-2N-C

		GL 5000' & KB 20' @ 5020.00ft (Precision 462) 5000.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1367716.74	3145254.51	40.3416120	-104.9789050

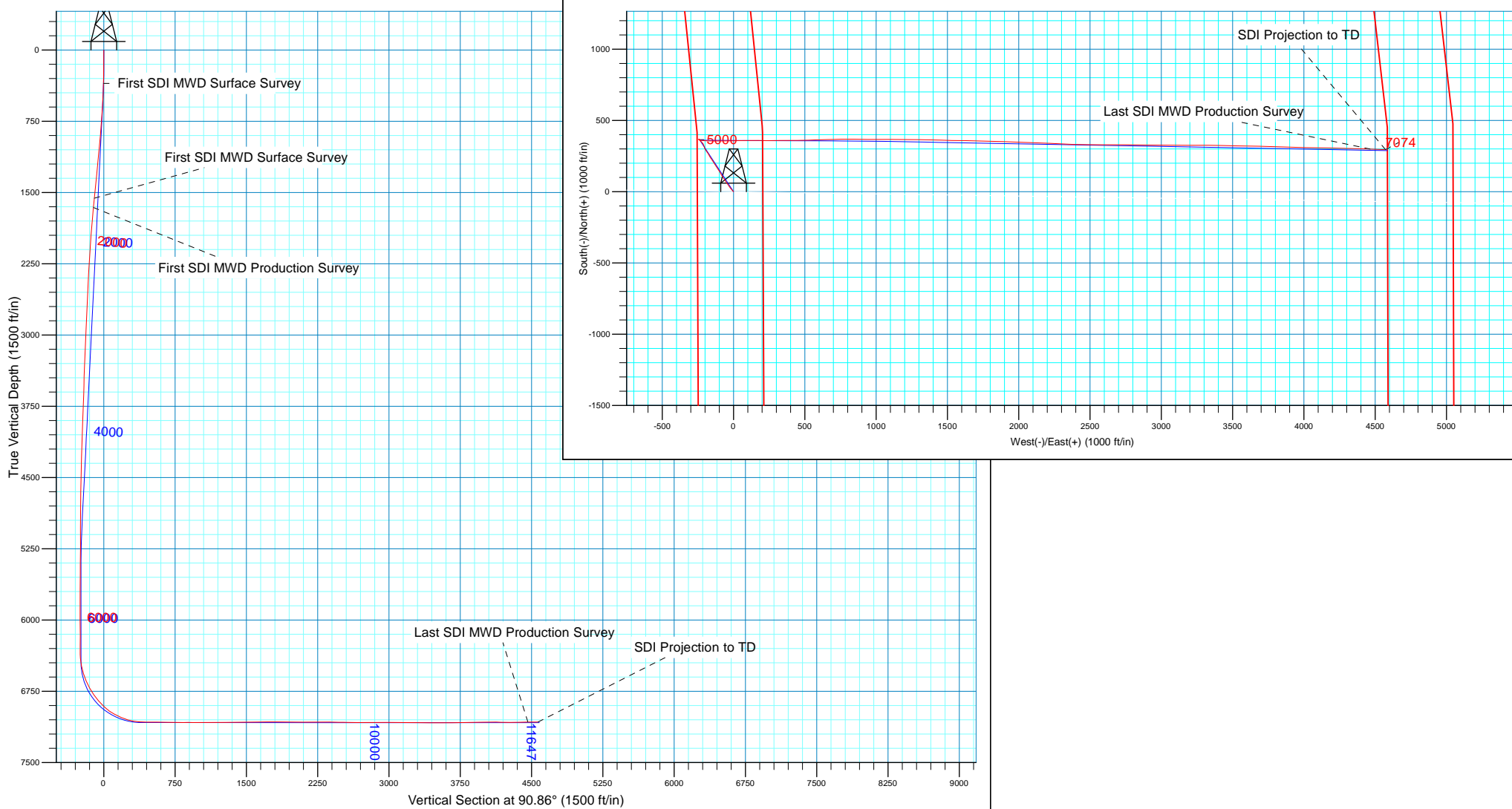
PROJECT DETAILS: Weld County, CO NAD 83

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
System Datum: Mean Sea Level  
Local North: True



Azimuths to True North  
Magnetic North: 8.61°

Magnetic Field  
Strength: 52485.0snT  
Dip Angle: 66.86°  
Date: 2/16/2016  
Model: BGGM2015





## **Synergy Resources Corp.**

Weld County, CO NAD 83

SRC Vista

SRC Vista S-2N-C

OH

Design: OH

## **Standard Survey Report**

07 March, 2016



<b>Company:</b>	Synergy Resources Corp.	<b>Local Co-ordinate Reference:</b>	Well SRC Vista S-2N-C
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
<b>Site:</b>	SRC Vista	<b>MD Reference:</b>	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
<b>Well:</b>	SRC Vista S-2N-C	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Casper District

<b>Project</b>	Weld County, CO NAD 83		
<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>	Colorado Northern Zone		

Site	SRC Vista, Site Center: S-2N-C				
Site Position:		Northing:	1,367,716.75 usft	Latitude:	40.3416120
From:	Lat/Long	Easting:	3,145,254.51 usft	Longitude:	-104.9789050
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.34 °

Well	SRC Vista S-2N-C, 2223' FSL 254' FWL Sec 2 T4N R68W					
Well Position	+N/-S	0.00 ft	Northing:	1,367,716.74 usft	Latitude:	40.3416120
	+E/-W	0.00 ft	Easting:	3,145,254.51 usft	Longitude:	-104.9789050
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	5,000.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2015	2/16/2016	8.61	66.86	52,485

<b>Design</b>	OH				
<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) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	90.86	

<b>Survey Program</b>	<b>Date</b>	3/2/2016			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
352.00	1,573.00	Survey #1 SDI MWD Surface (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
1,673.00	11,615.00	Survey #2 SDI MWD Production (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
352.00	1.54	318.98	351.96	3.57	-3.10	-3.16	0.44	0.44	0.00	
<b>First SDI MWD Surface Survey</b>										
446.00	3.14	320.88	445.88	6.52	-5.56	-5.66	1.70	1.70	2.02	
539.00	4.81	318.33	538.65	11.41	-9.76	-9.93	1.81	1.80	-2.74	
633.00	5.83	318.80	632.24	17.94	-15.52	-15.79	1.09	1.09	0.50	
728.00	7.17	325.42	726.63	26.46	-22.07	-22.46	1.61	1.41	6.97	
823.00	7.36	325.35	820.87	36.34	-28.89	-29.43	0.20	0.20	-0.07	
916.00	7.84	320.06	913.05	46.11	-36.35	-37.04	0.91	0.52	-5.69	
1,010.00	8.55	325.10	1,006.09	56.75	-44.46	-45.31	1.07	0.76	5.36	

<b>Company:</b>	Synergy Resources Corp.	<b>Local Co-ordinate Reference:</b>	Well SRC Vista S-2N-C
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
<b>Site:</b>	SRC Vista	<b>MD Reference:</b>	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
<b>Well:</b>	SRC Vista S-2N-C	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,104.00	9.01	325.09	1,098.99	68.52	-52.67	-53.70	0.49	0.49	-0.01
1,199.00	9.58	329.40	1,192.75	81.43	-60.96	-62.17	0.95	0.60	4.54
1,294.00	10.14	326.22	1,286.34	95.18	-69.63	-71.05	0.82	0.59	-3.35
1,387.00	11.37	324.40	1,377.71	109.44	-79.52	-81.15	1.37	1.32	-1.96
1,480.00	10.63	329.90	1,469.00	124.32	-89.16	-91.01	1.38	-0.80	5.91
1,573.00	11.26	332.39	1,560.31	139.78	-97.67	-99.75	0.85	0.68	2.68
First SDI MWD Surface Survey									
1,673.00	9.35	327.93	1,658.69	155.32	-106.50	-108.82	2.07	-1.91	-4.46
First SDI MWD Production Survey									
1,767.00	8.94	328.46	1,751.50	168.01	-114.38	-116.89	0.45	-0.44	0.56
1,860.00	8.15	327.37	1,843.46	179.73	-121.71	-124.40	0.87	-0.85	-1.17
1,954.00	7.61	323.27	1,936.58	190.33	-129.03	-131.87	0.83	-0.57	-4.36
2,048.00	6.72	320.79	2,029.84	199.58	-136.23	-139.21	1.00	-0.95	-2.64
2,141.00	6.17	326.82	2,122.26	207.97	-142.40	-145.51	0.94	-0.59	6.48
2,235.00	6.13	331.60	2,215.72	216.62	-147.56	-150.79	0.55	-0.04	5.09
2,330.00	6.25	328.52	2,310.16	225.49	-152.67	-156.04	0.37	0.13	-3.24
2,423.00	6.32	326.31	2,402.60	234.07	-158.15	-161.65	0.27	0.08	-2.38
2,518.00	5.97	323.66	2,497.06	242.40	-163.98	-167.60	0.47	-0.37	-2.79
2,614.00	4.58	332.61	2,592.65	249.82	-168.70	-172.43	1.68	-1.45	9.32
2,708.00	4.47	333.64	2,686.36	256.44	-172.05	-175.88	0.15	-0.12	1.10
2,803.00	4.22	330.26	2,781.08	262.79	-175.43	-179.36	0.38	-0.26	-3.56
2,899.00	3.64	330.86	2,876.86	268.52	-178.67	-182.68	0.61	-0.60	0.63
2,992.00	4.62	326.79	2,969.62	274.23	-182.16	-186.25	1.10	1.05	-4.38
3,086.00	4.28	322.25	3,063.33	280.17	-186.38	-190.56	0.52	-0.36	-4.83
3,178.00	4.73	322.46	3,155.05	285.89	-190.79	-195.06	0.49	0.49	0.23
3,272.00	4.90	327.18	3,248.72	292.34	-195.33	-199.69	0.46	0.18	5.02
3,368.00	4.49	323.98	3,344.39	298.82	-199.76	-204.22	0.51	-0.43	-3.33
3,462.00	4.38	348.79	3,438.12	305.32	-202.62	-207.18	2.03	-0.12	26.39
3,556.00	4.86	345.68	3,531.82	312.70	-204.31	-208.98	0.58	0.51	-3.31
3,650.00	4.79	339.77	3,625.48	320.24	-206.65	-211.43	0.53	-0.07	-6.29
3,744.00	4.66	336.38	3,719.16	327.42	-209.53	-214.42	0.33	-0.14	-3.61
3,838.00	4.67	337.64	3,812.85	334.46	-212.52	-217.52	0.11	0.01	1.34
3,933.00	3.40	318.17	3,907.62	340.14	-215.87	-220.95	1.95	-1.34	-20.49
4,025.00	2.97	313.30	3,999.48	343.80	-219.42	-224.56	0.55	-0.47	-5.29
4,119.00	2.63	320.18	4,093.37	347.13	-222.58	-227.76	0.51	-0.36	7.32
4,213.00	2.66	320.32	4,187.27	350.46	-225.35	-230.59	0.03	0.03	0.15
4,307.00	2.52	316.89	4,281.17	353.65	-228.16	-233.44	0.22	-0.15	-3.65
4,401.00	1.82	308.09	4,375.10	356.08	-230.74	-236.06	0.82	-0.74	-9.36
4,496.00	2.16	301.92	4,470.04	357.96	-233.45	-238.80	0.42	0.36	-6.49
4,592.00	2.14	314.75	4,565.98	360.18	-236.26	-241.64	0.50	-0.02	13.36
4,686.00	0.82	357.88	4,659.95	362.08	-237.53	-242.94	1.74	-1.40	45.88
4,780.00	0.50	357.42	4,753.94	363.17	-237.57	-243.00	0.34	-0.34	-0.49
4,873.00	0.55	352.31	4,846.94	364.01	-237.65	-243.09	0.07	0.05	-5.49

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<b>Well:</b>	SRC Vista S-2N-C	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Casper District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,967.00	0.39	9.30	4,940.93	364.78	-237.66	-243.11	0.22	-0.17	18.07	
5,061.00	0.38	356.15	5,034.93	365.40	-237.63	-243.09	0.09	-0.01	-13.99	
5,154.00	0.60	314.27	5,127.93	366.05	-238.00	-243.47	0.44	0.24	-45.03	
5,248.00	0.53	280.31	5,221.92	366.47	-238.78	-244.25	0.36	-0.07	-36.13	
5,343.00	0.75	277.49	5,316.92	366.63	-239.83	-245.30	0.23	0.23	-2.97	
5,436.00	1.05	300.88	5,409.91	367.15	-241.16	-246.65	0.50	0.32	25.15	
5,530.00	0.64	317.76	5,503.90	367.98	-242.25	-247.75	0.51	-0.44	17.96	
5,622.00	0.53	329.46	5,595.89	368.73	-242.82	-248.32	0.18	-0.12	12.72	
5,718.00	0.33	252.73	5,691.89	369.03	-243.31	-248.82	0.58	-0.21	-79.93	
5,812.00	0.44	284.26	5,785.89	369.04	-243.91	-249.43	0.25	0.12	33.54	
5,907.00	0.24	181.65	5,880.89	368.93	-244.27	-249.78	0.57	-0.21	-108.01	
6,002.00	1.05	143.63	5,975.88	368.03	-243.76	-249.26	0.92	0.85	-40.02	
6,105.00	0.63	130.06	6,078.87	366.90	-242.77	-248.25	0.45	-0.41	-13.17	
6,200.00	0.63	163.97	6,173.86	366.06	-242.23	-247.69	0.39	0.00	35.69	
6,294.00	1.05	224.92	6,267.85	364.96	-242.69	-248.14	0.98	0.45	64.84	
6,388.00	0.33	141.36	6,361.85	364.14	-243.13	-248.57	1.13	-0.77	-88.89	
6,482.00	11.51	106.30	6,455.20	361.28	-233.93	-239.33	11.96	11.89	-37.30	
6,577.00	15.43	91.25	6,547.60	358.35	-212.18	-217.54	5.50	4.13	-15.84	
6,672.00	21.76	91.89	6,637.59	357.49	-181.92	-187.26	6.67	6.66	0.67	
6,765.00	30.67	91.85	6,720.94	356.15	-140.90	-146.23	9.58	9.58	-0.04	
6,860.00	35.19	86.81	6,800.67	356.89	-89.31	-94.66	5.56	4.76	-5.31	
6,953.00	42.93	91.22	6,872.85	357.71	-30.79	-36.16	8.84	8.32	4.74	
7,048.00	50.45	87.85	6,937.97	358.40	38.26	32.88	8.32	7.92	-3.55	
7,143.00	61.84	90.41	6,990.82	359.48	117.01	111.60	12.19	11.99	2.69	
7,236.00	67.57	90.37	7,030.54	358.90	201.05	195.64	6.16	6.16	-0.04	
7,328.00	76.67	88.94	7,058.76	359.46	288.51	283.08	10.00	9.89	-1.55	
7,422.00	86.67	90.36	7,072.36	360.01	381.40	375.95	10.74	10.64	1.51	
7,515.00	89.87	88.71	7,075.17	360.77	474.34	468.87	3.87	3.44	-1.77	
7,610.00	89.80	87.65	7,075.44	363.78	569.29	563.76	1.12	-0.07	-1.12	
7,701.00	88.66	88.36	7,076.66	366.95	660.22	654.64	1.48	-1.25	0.78	
7,794.00	89.33	90.04	7,078.29	368.25	753.19	747.58	1.94	0.72	1.81	
7,887.00	90.40	90.15	7,078.51	368.10	846.19	840.57	1.16	1.15	0.12	
7,981.00	89.40	90.33	7,078.68	367.70	940.19	934.57	1.08	-1.06	0.19	
8,075.00	89.93	89.98	7,079.23	367.45	1,034.19	1,028.56	0.68	0.56	-0.37	
8,170.00	90.60	90.43	7,078.79	367.11	1,129.19	1,123.55	0.85	0.71	0.47	
8,264.00	90.67	90.34	7,077.74	366.48	1,223.18	1,217.54	0.12	0.07	-0.10	
8,382.00	90.54	90.62	7,076.50	365.49	1,341.17	1,335.53	0.26	-0.11	0.24	
8,477.00	90.37	92.89	7,075.74	362.58	1,436.11	1,430.51	2.40	-0.18	2.39	
8,572.00	90.03	90.85	7,075.41	359.48	1,531.06	1,525.49	2.18	-0.36	-2.15	
8,667.00	90.67	90.47	7,074.83	358.38	1,626.05	1,620.49	0.78	0.67	-0.40	
8,763.00	91.11	91.64	7,073.34	356.62	1,722.02	1,716.47	1.30	0.46	1.22	
8,857.00	89.36	92.13	7,072.96	353.53	1,815.96	1,810.45	1.93	-1.86	0.52	
8,951.00	89.33	91.33	7,074.03	350.69	1,909.91	1,904.43	0.85	-0.03	-0.85	
9,046.00	90.03	91.58	7,074.56	348.28	2,004.88	1,999.43	0.78	0.74	0.26	

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<b>Well:</b>	SRC Vista S-2N-C	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Casper District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,141.00	88.99	92.95	7,075.37	344.52	2,099.80	2,094.39	1.81	-1.09	1.44	
9,235.00	89.77	92.30	7,076.39	340.22	2,193.69	2,188.34	1.08	0.83	-0.69	
9,329.00	91.41	92.75	7,075.42	336.08	2,287.59	2,282.29	1.81	1.74	0.48	
9,424.00	89.03	91.12	7,075.06	332.87	2,382.53	2,377.26	3.04	-2.51	-1.72	
9,519.00	89.93	91.28	7,075.92	330.88	2,477.50	2,472.26	0.96	0.95	0.17	
9,614.00	88.69	90.37	7,077.06	329.51	2,572.48	2,567.25	1.62	-1.31	-0.96	
9,708.00	89.16	89.83	7,078.83	329.35	2,666.47	2,661.22	0.76	0.50	-0.57	
9,803.00	90.30	90.07	7,079.27	329.43	2,761.46	2,756.21	1.23	1.20	0.25	
9,898.00	90.27	91.14	7,078.80	328.43	2,856.46	2,851.20	1.13	-0.03	1.13	
9,993.00	90.94	90.27	7,077.80	327.26	2,951.44	2,946.20	1.16	0.71	-0.92	
10,087.00	89.16	90.20	7,077.72	326.87	3,045.44	3,040.19	1.90	-1.89	-0.07	
10,182.00	89.83	89.87	7,078.55	326.81	3,140.43	3,135.17	0.79	0.71	-0.35	
10,277.00	88.96	90.71	7,079.56	326.33	3,235.42	3,230.16	1.27	-0.92	0.88	
10,370.00	89.16	89.70	7,081.08	326.00	3,328.41	3,323.14	1.11	0.22	-1.09	
10,467.00	89.83	91.65	7,081.94	324.86	3,425.39	3,420.13	2.13	0.69	2.01	
10,563.00	89.97	91.68	7,082.11	322.07	3,521.35	3,516.12	0.15	0.15	0.03	
10,658.00	90.27	90.38	7,081.91	320.36	3,616.34	3,611.12	1.40	0.32	-1.37	
10,752.00	90.54	91.62	7,081.24	318.72	3,710.32	3,705.12	1.35	0.29	1.32	
10,847.00	91.78	91.56	7,079.32	316.09	3,805.26	3,800.09	1.31	1.31	-0.06	
10,942.00	91.11	92.23	7,076.92	312.95	3,900.18	3,895.04	1.00	-0.71	0.71	
11,038.00	90.37	91.27	7,075.68	310.01	3,996.12	3,991.02	1.26	-0.77	-1.00	
11,129.00	90.37	90.36	7,075.10	308.72	4,087.11	4,082.02	1.00	0.00	-1.00	
11,225.00	88.93	91.53	7,075.68	307.14	4,183.09	4,178.01	1.93	-1.50	1.22	
11,319.00	89.46	91.53	7,077.00	304.63	4,277.05	4,271.99	0.56	0.56	0.00	
11,414.00	91.11	91.54	7,076.53	302.08	4,372.01	4,366.98	1.74	1.74	0.01	
11,509.00	90.50	91.98	7,075.20	299.16	4,466.95	4,461.96	0.79	-0.64	0.46	
Last SDI MWD Production Survey										
11,615.00	90.50	91.98	7,074.27	295.50	4,572.89	4,567.94	0.00	0.00	0.00	
SDI Projection to TD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
352.00	351.96	3.57	-3.10	First SDI MWD Surface Survey	
1,573.00	1,560.31	139.78	-97.67	First SDI MWD Surface Survey	
1,673.00	1,658.69	155.32	-106.50	First SDI MWD Production Survey	
11,509.00	7,075.20	299.16	4,466.95	Last SDI MWD Production Survey	
11,615.00	7,074.27	295.50	4,572.89	SDI Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
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