



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 D-2N-A
API #	05-123-41061
County & State	Weld County, CO
SDI Job #	323220 / 342626
Rig	Precision 462
Survey Date	6-Feb-2016

I, Seth M. Burstad, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 0 feet to a measured depth of 11490 feet is true and correct as determined from all available records.

A handwritten signature in blue ink that reads 'Seth M. Burstad'.

Signature

8-Feb-2016

Date

Seth M. Burstad

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Project: Weld County, CO NAD 83
Site: SRC Vista
Well: SRC Vista D-2N-A
Wellbore: OH
Design: Plan 7

Plan: Plan 7 (SRC Vista D-2N-A/OH)
Created By: Seth Burstad Date: 2-4-2016



Azimuths to True North
Magnetic North: 8.64°

Magnetic Field
Strength: 52519.6snT
Dip Angle: 66.87°
Date: 10/27/2015
Model: BGGM2015

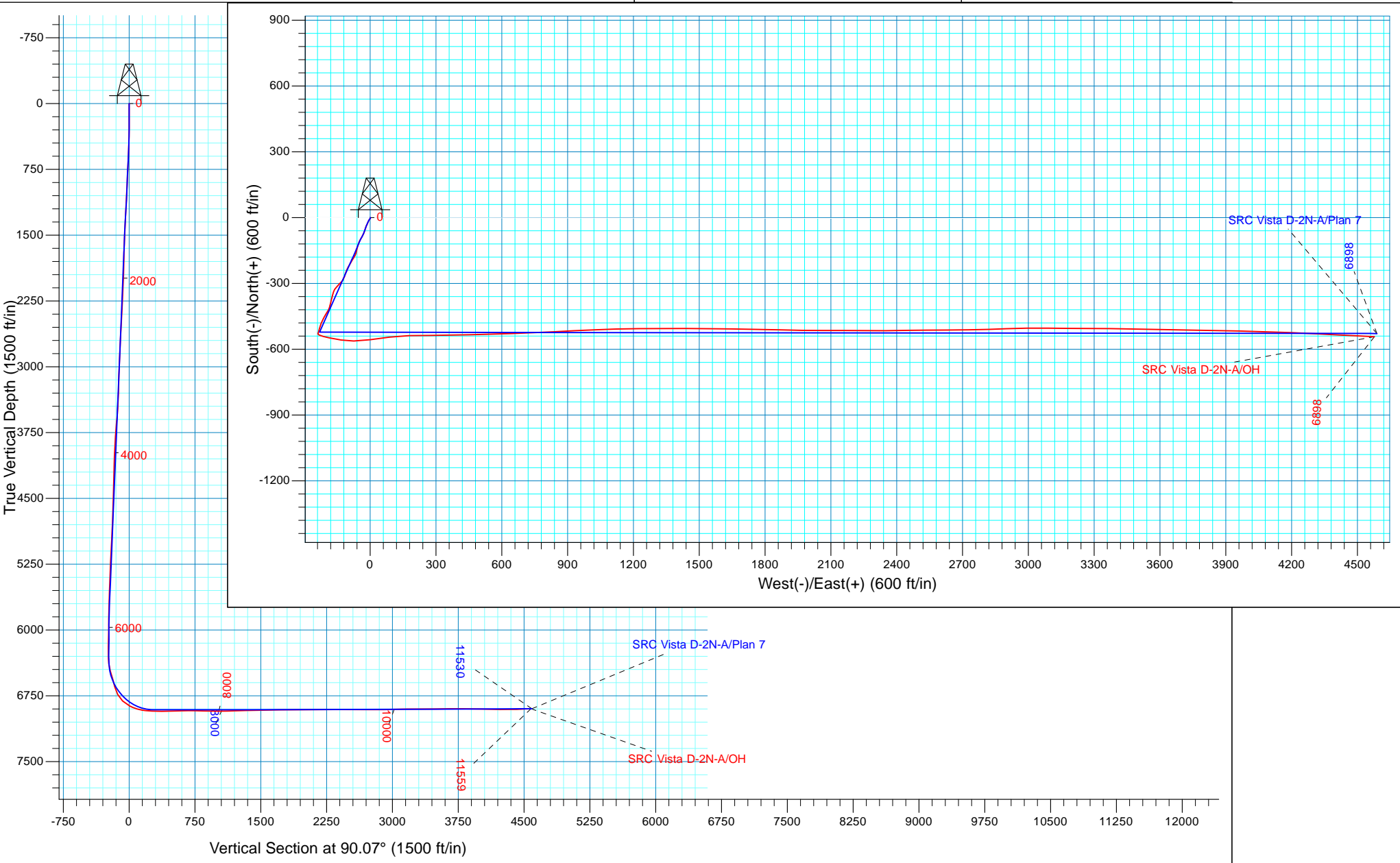
WELL DETAILS: SRC Vista D-2N-A

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

GL 5000' & KB 20' @ 5020.00ft (Precision 462) 5000.00
Northing 1367636.94 Easting 3145254.98 Latitude 40.34139291 Longitude -104.97890500





Synergy Resources Corp.

Weld County, CO NAD 83

SRC Vista

SRC Vista D-2N-A

OH

Design: OH

Standard Survey Report

08 February, 2016



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

Project	Weld County, CO NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site						SRC Vista, Site Center: S-2N-C											
Site Position:			Northing:			1,367,716.75 usft			Latitude:			40.34161200					
From:			Lat/Long			Easting:			3,145,254.51 usft			Longitude:			-104.97890500		
Position Uncertainty:			0.00 ft			Slot Radius:			13.200 in			Grid Convergence:			0.34 °		

Well	SRC Vista D-2N-A, 2143' FSL 254' FWL Sec 2 T4N R68W					
Well Position	+N-S	0.00 ft	Northing:	1,367,636.95 usft	Latitude:	40.34139292
	+E-W	0.00 ft	Easting:	3,145,254.98 usft	Longitude:	-104.97890500
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	5,000.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	10/27/2015	8.64	66.87	52,520

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	89.33	

Survey Program	Date	2/8/2016			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
195.00	1,589.00	Survey #1 - Surface (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
1,682.00	11,559.00	Survey #2 - Production (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
195.00	0.70	143.17	195.00	-0.95	0.71	0.70	0.36	0.36	0.00	
286.00	1.07	208.38	285.99	-2.15	0.64	0.62	1.10	0.41	71.66	
377.00	2.45	218.12	376.94	-4.42	-0.96	-1.01	1.55	1.52	10.70	
468.00	3.54	215.52	467.82	-8.24	-3.79	-3.89	1.21	1.20	-2.86	
561.00	5.34	203.46	560.53	-14.55	-7.19	-7.36	2.17	1.94	-12.97	
655.00	7.07	204.18	653.98	-23.84	-11.30	-11.57	1.84	1.84	0.77	
749.00	6.83	206.90	747.29	-34.10	-16.20	-16.59	0.43	-0.26	2.89	
844.00	6.02	198.59	841.69	-43.86	-20.34	-20.85	1.30	-0.85	-8.75	
939.00	7.01	196.26	936.08	-54.15	-23.55	-24.18	1.08	1.04	-2.45	

Company:	Synergy Resources Corp.	Local Co-ordinate Reference:	Well SRC Vista D-2N-A
Project:	Weld County, CO NAD 83	TVD Reference:	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
Site:	SRC Vista	MD Reference:	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
Well:	SRC Vista D-2N-A	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	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)
1,034.00	7.75	201.05	1,030.29	-65.69	-27.47	-28.24	1.01	0.78	5.04
1,128.00	7.54	205.10	1,123.46	-77.19	-32.37	-33.27	0.62	-0.22	4.31
1,223.00	6.63	211.22	1,217.73	-87.53	-37.85	-38.87	1.24	-0.96	6.44
1,317.00	6.10	211.43	1,311.15	-96.43	-43.27	-44.40	0.56	-0.56	0.22
1,411.00	6.28	206.06	1,404.61	-105.31	-48.13	-49.36	0.64	0.19	-5.71
1,506.00	6.80	198.04	1,498.99	-115.32	-52.16	-53.50	1.11	0.55	-8.44
1,589.00	6.41	199.35	1,581.44	-124.37	-55.22	-56.67	0.50	-0.47	1.58
Last SDI MWD Surface Survey									
1,682.00	6.12	194.49	1,673.88	-134.07	-58.18	-59.74	0.65	-0.31	-5.23
First SDI MWD Prod. Survey									
1,775.00	6.05	192.61	1,766.36	-143.65	-60.49	-62.16	0.23	-0.08	-2.02
1,868.00	5.73	191.15	1,858.87	-152.99	-62.45	-64.24	0.38	-0.34	-1.57
1,962.00	5.04	200.18	1,952.46	-161.47	-64.79	-66.67	1.16	-0.73	9.61
2,056.00	4.33	202.60	2,046.14	-168.62	-67.57	-69.54	0.78	-0.76	2.57
2,149.00	5.73	209.88	2,138.78	-175.88	-71.24	-73.29	1.65	1.51	7.83
2,243.00	6.04	211.53	2,232.29	-184.17	-76.16	-78.31	0.38	0.33	1.76
2,337.00	6.10	211.99	2,325.76	-192.62	-81.39	-83.64	0.08	0.06	0.49
2,431.00	6.13	209.67	2,419.22	-201.22	-86.52	-88.87	0.26	0.03	-2.47
2,525.00	5.96	210.61	2,512.70	-209.78	-91.49	-93.94	0.21	-0.18	1.00
2,620.00	5.39	210.59	2,607.24	-217.86	-96.27	-98.81	0.60	-0.60	-0.02
2,715.00	6.34	206.97	2,701.74	-226.38	-100.92	-103.56	1.07	1.00	-3.81
2,809.00	5.73	204.43	2,795.22	-235.28	-105.22	-107.96	0.71	-0.65	-2.70
2,905.00	5.38	203.80	2,890.77	-243.76	-109.02	-111.86	0.37	-0.36	-0.66
3,000.00	6.07	197.43	2,985.29	-252.63	-112.32	-115.26	0.99	0.73	-6.71
3,093.00	4.95	195.05	3,077.86	-261.19	-114.83	-117.88	1.23	-1.20	-2.56
3,211.00	5.17	200.61	3,195.40	-271.08	-118.03	-121.19	0.46	0.19	4.71
3,304.00	4.87	211.62	3,288.05	-278.37	-121.57	-124.82	1.08	-0.32	11.84
3,399.00	5.38	209.41	3,382.67	-285.68	-125.87	-129.20	0.58	0.54	-2.33
3,494.00	5.25	223.38	3,477.26	-292.72	-131.04	-134.46	1.37	-0.14	14.71
3,587.00	6.58	227.74	3,569.77	-299.40	-137.91	-141.40	1.51	1.43	4.69
3,682.00	7.49	219.78	3,664.05	-307.82	-145.90	-149.49	1.40	0.96	-8.38
3,775.00	6.78	222.86	3,756.33	-316.50	-153.51	-157.20	0.87	-0.76	3.31
3,870.00	6.97	215.83	3,850.65	-325.28	-160.70	-164.50	0.91	0.20	-7.40
3,965.00	5.55	199.10	3,945.09	-334.30	-165.58	-169.48	2.42	-1.49	-17.61
4,058.00	6.65	196.68	4,037.56	-343.71	-168.60	-172.61	1.21	1.18	-2.60
4,150.00	5.81	194.45	4,129.02	-353.32	-171.29	-175.41	0.95	-0.91	-2.42
4,245.00	6.84	194.46	4,223.44	-363.45	-173.90	-178.14	1.08	1.08	0.01
4,340.00	6.32	194.29	4,317.81	-374.00	-176.60	-180.97	0.55	-0.55	-0.18
4,432.00	6.05	194.35	4,409.28	-383.60	-179.06	-183.53	0.29	-0.29	0.07
4,527.00	6.15	194.93	4,503.74	-393.37	-181.61	-186.20	0.12	0.11	0.61
4,622.00	5.83	196.59	4,598.22	-402.91	-184.30	-189.00	0.38	-0.34	1.75
4,718.00	5.39	195.03	4,693.76	-411.94	-186.86	-191.66	0.49	-0.46	-1.63
4,811.00	5.95	209.53	4,786.31	-420.35	-190.37	-195.27	1.65	0.60	15.59

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Site:	SRC Vista	MD Reference:	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
Well:	SRC Vista D-2N-A	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	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)	
4,905.00	5.52	207.88	4,879.84	-428.59	-194.88	-199.88	0.49	-0.46	-1.76	
5,001.00	6.02	213.53	4,975.35	-436.86	-199.82	-204.92	0.79	0.52	5.89	
5,093.00	5.41	214.94	5,066.89	-444.44	-204.97	-210.15	0.68	-0.66	1.53	
5,186.00	5.48	205.37	5,159.48	-452.05	-209.38	-214.66	0.98	0.08	-10.29	
5,281.00	4.73	205.98	5,254.10	-459.67	-213.04	-218.40	0.79	-0.79	0.64	
5,376.00	5.08	204.37	5,348.75	-467.02	-216.50	-221.94	0.40	0.37	-1.69	
5,469.00	5.81	205.47	5,441.33	-475.02	-220.22	-225.76	0.79	0.78	1.18	
5,562.00	5.31	204.18	5,533.89	-483.20	-224.01	-229.64	0.55	-0.54	-1.39	
5,656.00	5.42	197.43	5,627.48	-491.40	-227.12	-232.85	0.68	0.12	-7.18	
5,751.00	4.93	194.89	5,722.09	-499.63	-229.51	-235.34	0.57	-0.52	-2.67	
5,846.00	4.63	196.74	5,816.76	-507.24	-231.66	-237.58	0.36	-0.32	1.95	
5,940.00	2.86	193.34	5,910.56	-513.16	-233.30	-239.28	1.90	-1.88	-3.62	
6,035.00	2.88	198.62	6,005.44	-517.73	-234.61	-240.64	0.28	0.02	5.56	
6,129.00	3.13	200.94	6,099.31	-522.36	-236.28	-242.37	0.30	0.27	2.47	
6,224.00	2.06	199.68	6,194.21	-526.39	-237.78	-243.92	1.13	-1.13	-1.33	
6,317.00	2.08	181.99	6,287.15	-529.65	-238.40	-244.58	0.68	0.02	-19.02	
6,411.00	7.58	118.98	6,380.82	-534.36	-233.03	-239.26	7.33	5.85	-67.03	
6,506.00	16.24	106.44	6,473.70	-541.17	-214.77	-221.08	9.46	9.12	-13.20	
6,601.00	18.74	99.97	6,564.31	-547.58	-186.99	-193.38	3.33	2.63	-6.81	
6,686.00	11.83	100.34	6,646.26	-551.51	-164.95	-171.38	8.13	-8.13	0.44	
6,780.00	29.48	101.84	6,733.87	-558.04	-132.57	-139.09	18.78	18.78	1.60	
6,875.00	46.43	88.25	6,808.63	-561.82	-74.78	-81.34	19.80	17.84	-14.31	
6,969.00	61.67	83.50	6,863.67	-556.06	0.84	-5.66	16.71	16.21	-5.05	
7,063.00	73.40	81.56	6,899.53	-544.72	86.81	80.43	12.62	12.48	-2.06	
7,157.00	83.10	89.02	6,918.68	-537.29	178.35	172.06	12.91	10.32	7.94	
7,216.00	87.28	89.50	6,923.62	-536.53	237.13	230.84	7.13	7.08	0.81	
7,258.00	88.08	89.48	6,925.32	-536.15	279.09	272.80	1.91	1.90	-0.05	
7,351.00	90.34	89.60	6,926.61	-535.41	372.07	365.79	2.43	2.43	0.13	
7,444.00	91.24	88.72	6,925.32	-534.04	465.05	458.78	1.35	0.97	-0.95	
7,539.00	92.02	87.28	6,922.62	-530.73	559.95	553.71	1.72	0.82	-1.52	
7,631.00	91.01	88.73	6,920.19	-527.53	651.86	645.65	1.92	-1.10	1.58	
7,724.00	88.66	87.45	6,920.46	-524.43	744.80	738.62	2.88	-2.53	-1.38	
7,817.00	88.56	86.91	6,922.71	-519.86	837.66	831.53	0.59	-0.11	-0.58	
7,910.00	89.06	87.48	6,924.65	-515.31	930.53	924.44	0.82	0.54	0.61	
8,005.00	89.60	87.55	6,925.76	-511.19	1,025.43	1,019.39	0.57	0.57	0.07	
8,099.00	91.51	87.90	6,924.85	-507.46	1,119.35	1,113.34	2.07	2.03	0.37	
8,194.00	91.71	89.93	6,922.18	-505.66	1,214.29	1,208.30	2.15	0.21	2.14	
8,287.00	92.08	89.19	6,919.10	-504.94	1,307.24	1,301.24	0.89	0.40	-0.80	
8,381.00	90.30	90.90	6,917.15	-505.02	1,401.21	1,395.21	2.63	-1.89	1.82	
8,475.00	90.91	90.69	6,916.16	-506.32	1,495.19	1,489.17	0.69	0.65	-0.22	
8,571.00	91.61	90.19	6,914.05	-507.06	1,591.17	1,585.13	0.90	0.73	-0.52	
8,666.00	91.55	90.41	6,911.43	-507.56	1,686.13	1,680.08	0.24	-0.06	0.23	
8,760.00	91.48	91.92	6,908.94	-509.47	1,780.08	1,774.00	1.61	-0.07	1.61	
8,855.00	90.30	91.24	6,907.46	-512.09	1,875.03	1,868.91	1.43	-1.24	-0.72	

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Design:	OH	Database:	Casper District

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8,949.00	90.30	90.49	6,906.97	-513.50	1,969.01	1,962.87	0.80	0.00	-0.80
9,044.00	88.76	90.17	6,907.75	-514.05	2,064.00	2,057.85	1.66	-1.62	-0.34
9,139.00	89.23	90.12	6,909.42	-514.29	2,158.99	2,152.83	0.50	0.49	-0.05
9,233.00	91.01	90.63	6,909.22	-514.91	2,252.98	2,246.81	1.97	1.89	0.54
9,328.00	90.34	89.49	6,908.10	-515.01	2,347.97	2,341.79	1.39	-0.71	-1.20
9,422.00	90.74	88.63	6,907.22	-513.46	2,441.96	2,435.79	1.01	0.43	-0.91
9,517.00	89.77	90.34	6,906.79	-512.61	2,536.95	2,530.78	2.07	-1.02	1.80
9,612.00	89.50	89.47	6,907.40	-512.45	2,631.94	2,625.77	0.96	-0.28	-0.92
9,706.00	89.90	89.12	6,907.89	-511.30	2,725.94	2,719.77	0.57	0.43	-0.37
9,801.00	90.13	88.19	6,907.87	-509.07	2,820.91	2,814.76	1.01	0.24	-0.98
9,879.00	90.67	88.02	6,907.32	-506.49	2,898.86	2,892.74	0.73	0.69	-0.22
9,974.00	91.28	89.00	6,905.70	-504.02	2,993.82	2,987.72	1.21	0.64	1.03
10,068.00	91.17	90.38	6,903.69	-503.51	3,087.79	3,081.69	1.47	-0.12	1.47
10,163.00	90.44	90.40	6,902.36	-504.16	3,182.78	3,176.67	0.77	-0.77	0.02
10,258.00	89.87	90.38	6,902.10	-504.80	3,277.78	3,271.65	0.60	-0.60	-0.02
10,353.00	90.84	90.48	6,901.51	-505.52	3,372.77	3,366.63	1.03	1.02	0.11
10,448.00	90.23	90.91	6,900.63	-506.67	3,467.76	3,461.60	0.79	-0.64	0.45
10,544.00	91.24	91.51	6,899.40	-508.69	3,563.73	3,557.54	1.22	1.05	0.63
10,639.00	90.64	91.10	6,897.84	-510.86	3,658.69	3,652.47	0.76	-0.63	-0.43
10,733.00	89.83	91.00	6,897.45	-512.58	3,752.67	3,746.42	0.87	-0.86	-0.11
10,828.00	88.72	91.22	6,898.65	-514.42	3,847.64	3,841.37	1.19	-1.17	0.23
10,923.00	89.43	91.45	6,900.19	-516.63	3,942.61	3,936.30	0.79	0.75	0.24
11,018.00	88.32	91.23	6,902.05	-518.85	4,037.56	4,031.22	1.19	-1.17	-0.23
11,110.00	88.52	91.92	6,904.59	-521.38	4,129.49	4,123.11	0.78	0.22	0.75
11,206.00	89.83	92.30	6,905.97	-524.92	4,225.41	4,218.99	1.42	1.36	0.40
11,300.00	90.47	93.07	6,905.73	-529.32	4,319.31	4,312.82	1.07	0.68	0.82
11,395.00	91.17	93.15	6,904.37	-534.47	4,414.16	4,407.61	0.74	0.74	0.08
11,490.00	92.72	92.79	6,901.14	-539.39	4,508.97	4,502.36	1.67	1.63	-0.38
Last SDI MWD Survey									
11,559.00	92.72	92.79	6,897.87	-542.75	4,577.81	4,571.15	0.00	0.00	0.00
Projection to TD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,589.00	1,581.44	-124.37	-55.22	Last SDI MWD Surface Survey
1,682.00	1,673.88	-134.07	-58.18	First SDI MWD Prod. Survey
11,490.00	6,901.14	-539.39	4,508.97	Last SDI MWD Survey
11,559.00	6,897.87	-542.75	4,577.81	Projection to TD

Checked By: _____ Approved By: _____ Date: _____