



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 43-2N-A
API #	05-123-41060
County & State	Weld County, CO
SDI Job No.	346023
Rig	PD 462
Survey Date	24-Feb-2016

I, Robert Scott, 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 11311 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

25-Feb-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 43-2N-A
Wellbore: OH
Design: OH

WELL DETAILS: SRC Vista 43-2N-A

		GL 5000' & KB 20' @ 5020.00ft (Precision 462) 5000.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1367696.70	3145254.63	40.3415570	-104.9789050

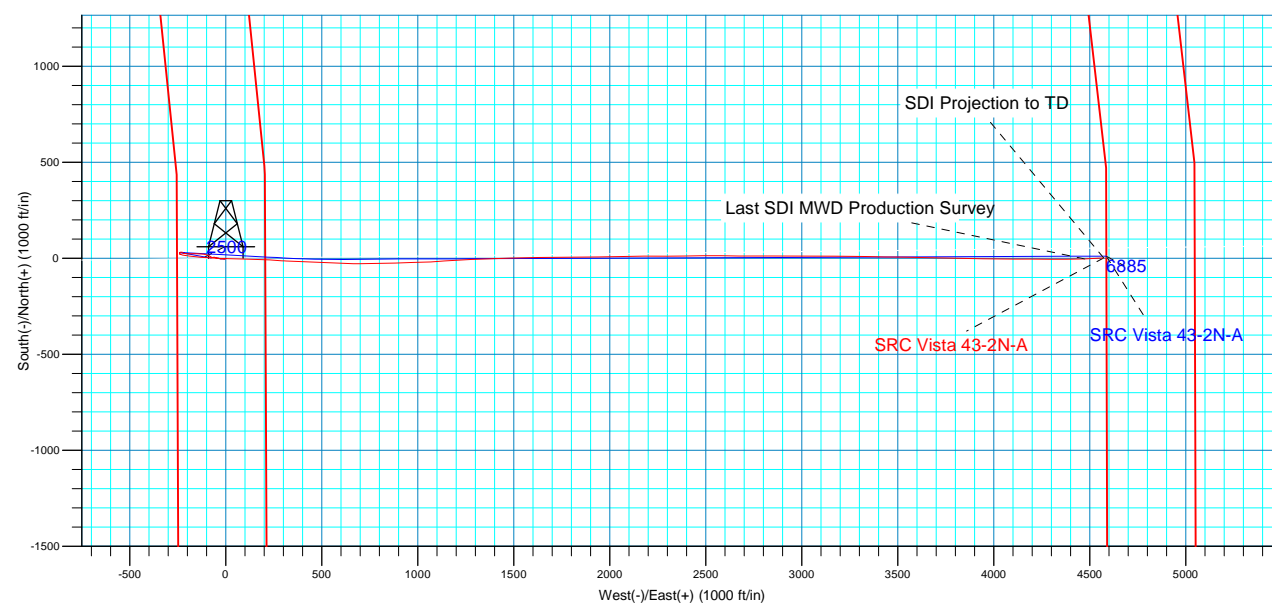
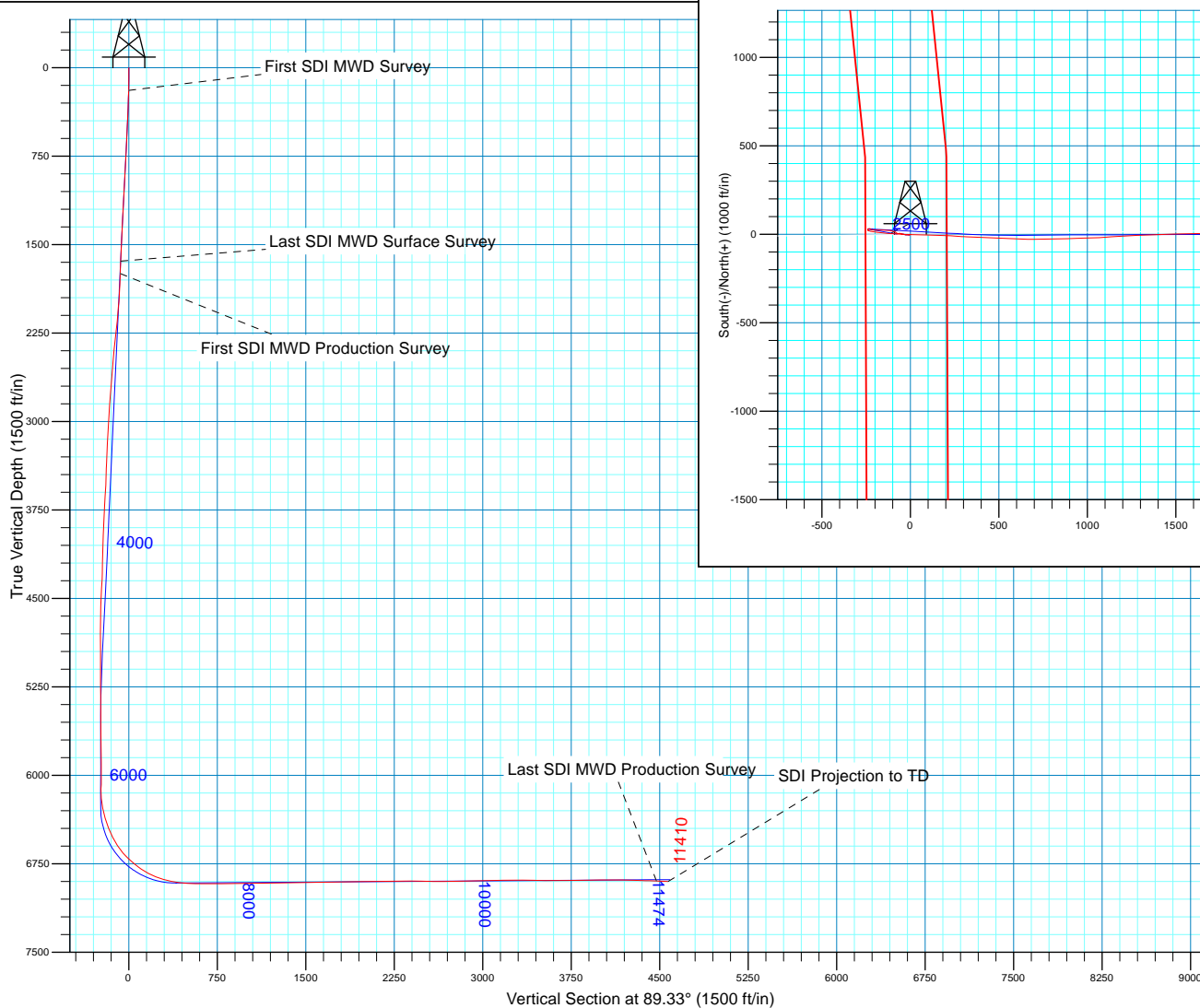
PROJECT DETAILS: Weld County, CO NAD 83

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: 52484.9snT
Dip Angle: 66.86°
Date: 2/16/2016
Model: BGGM2015





Synergy Resources Corp.

Weld County, CO NAD 83

SRC Vista

SRC Vista 43-2N-A

OH

Design: OH

Standard Survey Report

25 February, 2016



Company:	Synergy Resources Corp.	Local Co-ordinate Reference:	Well SRC Vista 43-2N-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 43-2N-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:	40.3416120
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 43-2N-A, 2203' FSL 254' FWL Sec 2 T4N R68W					
Well Position	+N-S	0.00 ft	Northing:	1,367,696.70 usft	Latitude:	40.3415570
	+E-W	0.00 ft	Easting:	3,145,254.63 usft	Longitude:	-104.9789050
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	2/16/2016	8.61	66.86	52,485

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	2/25/2016			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
195.00	1,643.00	Survey #1 - Surface (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
1,749.00	11,410.00	Survey #2 Intermediate/Lateral (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	1.20	238.95	194.99	-1.05	-1.75	-1.76	0.62	0.62	0.00	
First SDI MWD Survey										
255.00	1.57	238.86	254.97	-1.80	-2.99	-3.01	0.62	0.62	-0.15	
346.00	2.57	249.57	345.91	-3.16	-5.97	-6.01	1.17	1.10	11.77	
438.00	2.52	275.93	437.82	-3.67	-9.91	-9.96	1.26	-0.05	28.65	
530.00	2.49	283.83	529.73	-2.98	-13.87	-13.90	0.38	-0.03	8.59	
624.00	2.44	266.84	623.65	-2.61	-17.85	-17.88	0.78	-0.05	-18.07	
718.00	3.22	269.38	717.53	-2.74	-22.49	-22.52	0.84	0.83	2.70	
813.00	3.25	279.53	812.38	-2.33	-27.81	-27.83	0.60	0.03	10.68	

Company:	Synergy Resources Corp.	Local Co-ordinate Reference:	Well SRC Vista 43-2N-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 43-2N-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)
907.00	2.95	286.59	906.24	-1.20	-32.76	-32.77	0.52	-0.32	7.51
1,002.00	3.25	282.58	1,001.10	0.09	-37.73	-37.72	0.39	0.32	-4.22
1,097.00	3.30	283.89	1,095.95	1.33	-43.01	-42.99	0.09	0.05	1.38
1,191.00	2.66	282.21	1,189.82	2.44	-47.77	-47.74	0.69	-0.68	-1.79
1,286.00	3.00	284.37	1,284.71	3.53	-52.33	-52.29	0.38	0.36	2.27
1,380.00	2.99	285.73	1,378.58	4.80	-57.07	-57.01	0.08	-0.01	1.45
1,475.00	2.64	265.36	1,473.47	5.30	-61.64	-61.57	1.11	-0.37	-21.44
1,568.00	2.67	259.62	1,566.37	4.73	-65.90	-65.84	0.29	0.03	-6.17
1,643.00	2.67	259.62	1,641.28	4.10	-69.34	-69.29	0.00	0.00	0.00
Last SDI MWD Surface Survey									
1,749.00	2.03	307.75	1,747.20	4.81	-73.25	-73.19	1.89	-0.60	45.41
First SDI MWD Production Survey									
1,843.00	3.23	314.01	1,841.10	7.67	-76.47	-76.38	1.31	1.28	6.66
1,937.00	3.88	300.79	1,934.92	11.13	-81.11	-80.98	1.11	0.69	-14.06
2,030.00	5.24	288.35	2,027.63	14.08	-87.85	-87.68	1.80	1.46	-13.38
2,133.00	5.91	288.47	2,130.14	17.24	-97.34	-97.13	0.65	0.65	0.12
2,227.00	5.70	286.42	2,223.66	20.10	-106.41	-106.17	0.31	-0.22	-2.18
2,321.00	6.19	275.90	2,317.16	21.94	-115.93	-115.66	1.27	0.52	-11.19
2,415.00	6.52	273.72	2,410.58	22.80	-126.29	-126.02	0.43	0.35	-2.32
2,510.00	4.70	270.30	2,505.12	23.17	-135.57	-135.29	1.95	-1.92	-3.60
2,606.00	4.37	270.55	2,600.82	23.23	-143.16	-142.88	0.34	-0.34	0.26
2,700.00	3.97	273.39	2,694.57	23.46	-149.99	-149.70	0.48	-0.43	3.02
2,891.00	4.55	280.98	2,885.04	25.29	-164.03	-163.72	0.42	0.30	3.97
2,984.00	4.24	251.37	2,977.78	24.89	-170.91	-170.60	2.43	-0.33	-31.84
3,077.00	2.62	261.84	3,070.61	23.49	-176.27	-175.98	1.86	-1.74	11.26
3,170.00	2.62	267.83	3,163.52	23.11	-180.50	-180.21	0.29	0.00	6.44
3,264.00	2.36	274.85	3,257.43	23.19	-184.57	-184.29	0.43	-0.28	7.47
3,360.00	2.62	261.31	3,353.34	23.03	-188.71	-188.43	0.67	0.27	-14.10
3,453.00	1.47	274.24	3,446.28	22.80	-192.00	-191.72	1.32	-1.24	13.90
3,547.00	2.85	285.66	3,540.21	23.52	-195.45	-195.17	1.53	1.47	12.15
3,641.00	3.18	271.23	3,634.08	24.20	-200.31	-200.01	0.88	0.35	-15.35
3,736.00	2.95	270.87	3,728.94	24.30	-205.39	-205.09	0.24	-0.24	-0.38
3,831.00	3.18	276.45	3,823.81	24.63	-210.45	-210.15	0.40	0.24	5.87
3,924.00	2.17	285.92	3,916.71	25.40	-214.71	-214.40	1.18	-1.09	10.18
4,016.00	2.08	259.50	4,008.64	25.58	-218.03	-217.71	1.06	-0.10	-28.72
4,111.00	2.16	320.94	4,103.59	26.65	-220.85	-220.52	2.28	0.08	64.67
4,205.00	2.39	313.54	4,197.52	29.38	-223.39	-223.03	0.40	0.24	-7.87
4,298.00	1.68	311.58	4,290.46	31.62	-225.81	-225.43	0.77	-0.76	-2.11
4,393.00	2.98	272.36	4,385.38	32.65	-229.32	-228.92	2.09	1.37	-41.28
4,488.00	2.94	265.82	4,480.26	32.57	-234.22	-233.82	0.36	-0.04	-6.88
4,584.00	2.05	235.98	4,576.17	31.43	-238.10	-237.71	1.61	-0.93	-31.08
4,677.00	1.75	215.19	4,669.12	29.34	-240.29	-239.93	0.80	-0.32	-22.35
4,771.00	0.88	165.05	4,763.10	27.47	-240.93	-240.60	1.45	-0.93	-53.34

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Site:	SRC Vista	MD Reference:	GL 5000' & KB 20' @ 5020.00ft (Precision 462)
Well:	SRC Vista 43-2N-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)	
4,865.00	0.85	168.14	4,857.08	26.09	-240.60	-240.28	0.06	-0.03	3.29	
4,960.00	1.19	170.01	4,952.07	24.43	-240.29	-239.99	0.36	0.36	1.97	
5,052.00	1.14	199.70	5,044.05	22.62	-240.43	-240.15	0.65	-0.05	32.27	
5,145.00	0.52	129.43	5,137.04	21.48	-240.42	-240.15	1.16	-0.67	-75.56	
5,240.00	0.83	106.96	5,232.04	21.01	-239.43	-239.16	0.42	0.33	-23.65	
5,335.00	0.54	128.02	5,327.03	20.53	-238.42	-238.16	0.40	-0.31	22.17	
5,428.00	0.41	117.28	5,420.03	20.11	-237.77	-237.52	0.17	-0.14	-11.55	
5,521.00	1.23	48.45	5,513.02	20.62	-236.73	-236.47	1.23	0.88	-74.01	
5,614.00	0.90	25.06	5,606.00	21.94	-235.68	-235.40	0.58	-0.35	-25.15	
5,709.00	0.81	18.60	5,700.99	23.26	-235.15	-234.86	0.14	-0.09	-6.80	
5,804.00	0.41	176.35	5,795.99	23.55	-234.91	-234.62	1.26	-0.42	166.05	
5,899.00	0.52	145.66	5,890.99	22.86	-234.64	-234.36	0.28	0.12	-32.31	
5,994.00	0.24	106.13	5,985.98	22.45	-234.21	-233.93	0.39	-0.29	-41.61	
6,088.00	0.36	189.44	6,079.98	22.10	-234.07	-233.80	0.43	0.13	88.63	
6,183.00	1.90	165.88	6,174.96	20.28	-233.73	-233.48	1.66	1.62	-24.80	
6,276.00	10.99	101.24	6,267.33	17.05	-224.64	-224.42	11.09	9.77	-69.51	
6,370.00	17.09	93.33	6,358.49	14.50	-202.04	-201.86	6.79	6.49	-8.41	
6,465.00	21.52	98.55	6,448.13	11.09	-170.86	-170.71	5.00	4.66	5.49	
6,560.00	26.98	96.38	6,534.72	6.10	-132.18	-132.10	5.82	5.75	-2.28	
6,654.00	35.34	94.60	6,615.09	1.55	-83.80	-83.78	8.95	8.89	-1.89	
6,748.00	44.20	91.30	6,687.27	-1.38	-23.82	-23.83	9.69	9.43	-3.51	
6,843.00	50.90	90.05	6,751.36	-2.17	46.23	46.20	7.12	7.05	-1.32	
6,937.00	57.30	92.37	6,806.45	-3.84	122.31	122.26	7.10	6.81	2.47	
7,031.00	65.92	92.75	6,851.11	-7.54	204.84	204.74	9.18	9.17	0.40	
7,125.00	73.57	93.09	6,883.62	-12.03	292.85	292.69	8.15	8.14	0.36	
7,217.00	80.76	92.00	6,904.05	-16.00	382.40	382.19	7.90	7.82	-1.18	
7,311.00	86.81	93.15	6,914.22	-20.20	475.71	475.44	6.55	6.44	1.22	
7,404.00	87.62	92.24	6,918.74	-24.57	568.50	568.17	1.31	0.87	-0.98	
7,532.00	90.64	90.25	6,920.68	-27.35	696.43	696.06	2.83	2.36	-1.55	
7,624.00	90.03	88.90	6,920.15	-26.67	788.42	788.06	1.61	-0.66	-1.47	
7,718.00	90.67	88.21	6,919.57	-24.30	882.39	882.05	1.00	0.68	-0.73	
7,810.00	90.13	88.38	6,918.93	-21.56	974.35	974.03	0.62	-0.59	0.18	
7,903.00	91.27	87.30	6,917.79	-18.06	1,067.27	1,066.99	1.69	1.23	-1.16	
7,998.00	91.54	85.56	6,915.46	-12.14	1,162.05	1,161.83	1.85	0.28	-1.83	
8,092.00	90.87	88.07	6,913.49	-6.92	1,255.88	1,255.71	2.76	-0.71	2.67	
8,187.00	91.04	86.89	6,911.90	-2.75	1,350.77	1,350.65	1.25	0.18	-1.24	
8,281.00	91.34	89.29	6,909.95	0.39	1,444.69	1,444.60	2.57	0.32	2.55	
8,374.00	91.14	88.45	6,907.94	2.22	1,537.65	1,537.57	0.93	-0.22	-0.90	
8,469.00	89.50	88.77	6,907.41	4.53	1,632.62	1,632.56	1.76	-1.73	0.34	
8,564.00	91.24	89.57	6,906.79	5.90	1,727.60	1,727.56	2.02	1.83	0.84	
8,659.00	90.23	89.76	6,905.58	6.46	1,822.59	1,822.54	1.08	-1.06	0.20	
8,753.00	90.94	88.90	6,904.62	7.56	1,916.58	1,916.54	1.19	0.76	-0.91	
8,849.00	91.44	89.74	6,902.62	8.69	2,012.55	2,012.52	1.02	0.52	0.88	
8,942.00	91.37	88.48	6,900.34	10.14	2,105.51	2,105.49	1.36	-0.08	-1.35	

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Design:	OH	Database:	Casper District

Survey										
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9,038.00	90.37	90.20	6,898.88	11.24	2,201.49	2,201.47	2.07	-1.04	1.79	
9,133.00	90.23	89.38	6,898.39	11.59	2,296.49	2,296.46	0.88	-0.15	-0.86	
9,226.00	89.73	89.45	6,898.42	12.54	2,389.48	2,389.46	0.54	-0.54	0.08	
9,321.00	89.46	89.05	6,899.09	13.79	2,484.47	2,484.46	0.51	-0.28	-0.42	
9,415.00	89.40	90.92	6,900.03	13.81	2,578.46	2,578.45	1.99	-0.06	1.99	
9,511.00	90.20	90.79	6,900.36	12.38	2,674.45	2,674.41	0.84	0.83	-0.14	
9,606.00	90.64	89.32	6,899.66	12.29	2,769.44	2,769.40	1.62	0.46	-1.55	
9,699.00	91.27	90.06	6,898.11	12.79	2,862.43	2,862.38	1.04	0.68	0.80	
9,795.00	91.34	90.54	6,895.93	12.29	2,958.40	2,958.34	0.51	0.07	0.50	
9,890.00	91.41	89.53	6,893.65	12.23	3,053.37	3,053.31	1.07	0.07	-1.06	
9,985.00	90.70	90.83	6,891.90	11.93	3,148.35	3,148.28	1.56	-0.75	1.37	
10,079.00	91.14	90.54	6,890.39	10.81	3,242.34	3,242.24	0.56	0.47	-0.31	
10,174.00	89.40	91.14	6,889.94	9.41	3,337.32	3,337.20	1.94	-1.83	0.63	
10,269.00	88.96	91.29	6,891.30	7.40	3,432.29	3,432.14	0.49	-0.46	0.16	
10,364.00	89.36	90.39	6,892.69	6.01	3,527.27	3,527.10	1.04	0.42	-0.95	
10,460.00	89.66	91.62	6,893.52	4.32	3,623.25	3,623.05	1.32	0.31	1.28	
10,555.00	90.64	90.86	6,893.27	2.27	3,718.22	3,717.99	1.31	1.03	-0.80	
10,650.00	90.97	91.78	6,891.93	0.08	3,813.19	3,812.93	1.03	0.35	0.97	
10,744.00	92.04	90.61	6,889.46	-1.88	3,907.13	3,906.84	1.69	1.14	-1.24	
10,934.00	88.73	90.08	6,888.19	-3.02	4,097.10	4,096.78	1.76	-1.74	-0.28	
11,029.00	88.53	90.45	6,890.46	-3.46	4,192.07	4,191.74	0.44	-0.21	0.39	
11,121.00	89.16	90.59	6,892.31	-4.30	4,284.04	4,283.70	0.70	0.68	0.15	
11,217.00	88.62	89.49	6,894.17	-4.36	4,380.02	4,379.67	1.28	-0.56	-1.15	
11,311.00	87.62	87.63	6,897.26	-2.00	4,473.94	4,473.61	2.25	-1.06	-1.98	
Last SDI MWD Production Survey										
11,410.00	87.62	87.63	6,901.37	2.09	4,572.77	4,572.48	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)		
195.00	194.99	-1.05	-1.75	First SDI MWD Survey	
1,643.00	1,641.28	4.10	-69.34	Last SDI MWD Surface Survey	
1,749.00	1,747.20	4.81	-73.25	First SDI MWD Production Survey	
11,311.00	6,897.26	-2.00	4,473.94	Last SDI MWD Production Survey	
11,410.00	6,901.37	2.09	4,572.77	SDI Projection to TD	

Checked By: _____ Approved By: _____ Date: _____