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1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brizos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-30967		2 Pool Code 1599/97232/72319		3 Pool Name BASIN DAKOTA/BASIN MANCOS/BLANCO MESAVERDE	
4 Property Code 7452		5 Property Name SAN JUAN 27-4 UNIT			6 Well Number 155A
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			9 Elevation 7170

10 SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	24	27-N	4-W		1117	SOUTH	988	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	24	27-N	4-W		1244'	SOUTH	796'	WEST	RIO ARRIBA

12 Dedicated Acres. W/2(320)	13 Joint or Infill	14 Consolidation Code	15 Order No.	RCVD SEP 10 '12 OIL CONS. DIV.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

DIST. 3

16 SECTION 24 T-27-N, R-04-W W/2 DEDICATED ACREAGE SF-080627 WELL FLAG NAD 83 LAT: 36.554611° N LONG: 107.208437° W NAD 27 LAT: 36°33.276039' N LONG: 107°12.470391' W GLO. 1917		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>[Signature]</i> Date: 9/6/12 Marie E. Jaramillo Printed Name Staff Regulatory Tech E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 07/15/2009 Signature and Seal of Professional Surveyor: Certificate Number: NM 11393
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COP Deviation Report
SAN JUAN 27-4 UNIT #155A

RCVD SEP 10 '12
OIL CONS. DIV.
DIST. 3

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-4 UNIT #155A	API / UWI 3003930967	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 024-027N-004W-M	N/S Dist (ft) 1,117.00	N/S Ref FSL	E/W Dist (ft) 988.00	E/W Ref FWL

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
6/16/2012	0.00	0.00	0.00	IncAzi-MWD	Scientific Drilling
5/29/2012	128.00	0.50		Inc-Drop	MO-TE DRILLING INC
5/29/2012	240.00	1.00		Inc-Drop	MO-TE DRILLING INC.
6/16/2012	397.00	1.08	289.97	IncAzi-MWD	Scientific Drilling
6/16/2012	427.00	1.41	292.73	IncAzi-MWD	Scientific Drilling
6/16/2012	458.00	1.75	296.62	IncAzi-MWD	Scientific Drilling
6/16/2012	489.00	3.00	295.97	IncAzi-MWD	Scientific Drilling
6/16/2012	519.00	3.11	297.15	IncAzi-MWD	Scientific Drilling
6/16/2012	550.00	3.66	298.86	IncAzi-MWD	Scientific Drilling
6/16/2012	612.00	4.39	300.86	IncAzi-MWD	Scientific Drilling
6/16/2012	673.00	4.54	303.70	IncAzi-MWD	Scientific Drilling
6/16/2012	735.00	4.56	308.73	IncAzi-MWD	Scientific Drilling
6/16/2012	797.00	5.45	304.08	IncAzi-MWD	Scientific Drilling
6/16/2012	859.00	5.81	303.66	IncAzi-MWD	Scientific Drilling
6/16/2012	923.00	6.14	303.08	IncAzi-MWD	Scientific Drilling
6/16/2012	987.00	5.98	302.77	IncAzi-MWD	Scientific Drilling
6/16/2012	1,050.00	6.14	301.95	IncAzi-MWD	Scientific Drilling
6/16/2012	1,113.00	6.09	303.01	IncAzi-MWD	Scientific Drilling
6/16/2012	1,176.00	6.39	303.47	IncAzi-MWD	Scientific Drilling
6/16/2012	1,239.00	6.34	302.87	IncAzi-MWD	Scientific Drilling
6/16/2012	1,303.00	6.55	303.57	IncAzi-MWD	Scientific Drilling
6/16/2012	1,366.00	6.84	301.29	IncAzi-MWD	Scientific Drilling
6/16/2012	1,429.00	6.86	303.98	IncAzi-MWD	Scientific Drilling
6/16/2012	1,492.00	7.19	305.32	IncAzi-MWD	Scientific Drilling
6/16/2012	1,555.00	7.40	303.34	IncAzi-MWD	Scientific Drilling
6/16/2012	1,618.00	7.11	301.12	IncAzi-MWD	Scientific Drilling
6/16/2012	1,682.00	7.08	302.01	IncAzi-MWD	Scientific Drilling
6/16/2012	1,745.00	7.15	300.23	IncAzi-MWD	Scientific Drilling
6/16/2012	1,808.00	7.56	301.35	IncAzi-MWD	Scientific Drilling
6/16/2012	1,871.00	7.17	304.78	IncAzi-MWD	Scientific Drilling
6/16/2012	1,935.00	6.13	308.34	IncAzi-MWD	Scientific Drilling
6/17/2012	1,998.00	5.37	310.07	IncAzi-MWD	Scientific Drilling
6/17/2012	2,062.00	5.28	312.24	IncAzi-MWD	Scientific Drilling
6/17/2012	2,125.00	5.20	310.64	IncAzi-MWD	Scientific Drilling
6/17/2012	2,189.00	5.02	300.29	IncAzi-MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

COP Deviation Report
SAN JUAN 27-4 UNIT #155A

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
6/17/2012	2,252.00	5.29	295.96	IncAzi-MWD	Scientific Drilling
6/17/2012	2,316.00	5.21	299.21	IncAzi-MWD	Scientific Drilling
6/17/2012	2,379.00	4.97	298.24	IncAzi-MWD	Scientific Drilling
6/17/2012	2,443.00	5.29	299.62	IncAzi-MWD	Scientific Drilling
6/17/2012	2,505.00	4.88	297.35	IncAzi-MWD	Scientific Drilling
6/17/2012	2,569.00	3.76	298.74	IncAzi-MWD	Scientific Drilling
6/17/2012	2,632.00	2.82	298.69	IncAzi-MWD	Scientific Drilling
6/17/2012	2,696.00	1.67	312.67	IncAzi-MWD	Scientific Drilling
6/17/2012	2,759.00	1.49	318.08	IncAzi-MWD	Scientific Drilling
6/17/2012	2,822.00	1.29	317.59	IncAzi-MWD	Scientific Drilling
6/17/2012	2,886.00	1.50	313.33	IncAzi-MWD	Scientific Drilling
6/17/2012	2,949.00	0.78	301.09	IncAzi-MWD	Scientific Drilling
6/17/2012	3,012.00	0.52	308.46	IncAzi-MWD	Scientific Drilling
6/17/2012	3,075.00	0.38	329.18	IncAzi-MWD	Scientific Drilling
6/17/2012	3,139.00	0.24	354.92	IncAzi-MWD	Scientific Drilling
6/17/2012	3,202.00	0.30	20.54	IncAzi-MWD	Scientific Drilling
6/17/2012	3,265.00	0.52	56.39	IncAzi-MWD	Scientific Drilling
6/17/2012	3,329.00	0.58	70.15	IncAzi-MWD	Scientific Drilling
6/17/2012	3,392.00	0.50	63.73	IncAzi-MWD	Scientific Drilling
6/20/2012	3,439.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
6/20/2012	3,900.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
6/21/2012	4,290.00	2.25		Inc-Drop	Aztec Well Servicing Co Inc
7/2/2012	8,419.00	1.00		Inc-WL	Phoenix Services LLC

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this 9/6/12

Maria S. Jaramillo

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/29/14



RCVD SEP 10 12
OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 24-T27N-R4W

San Juan 27-4 Unit 155A

OH

Design: OH

Standard Survey Report

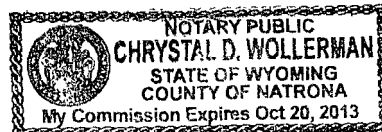
20 June, 2012

This survey is correct to the best of my knowledge and is supported by actual field data.

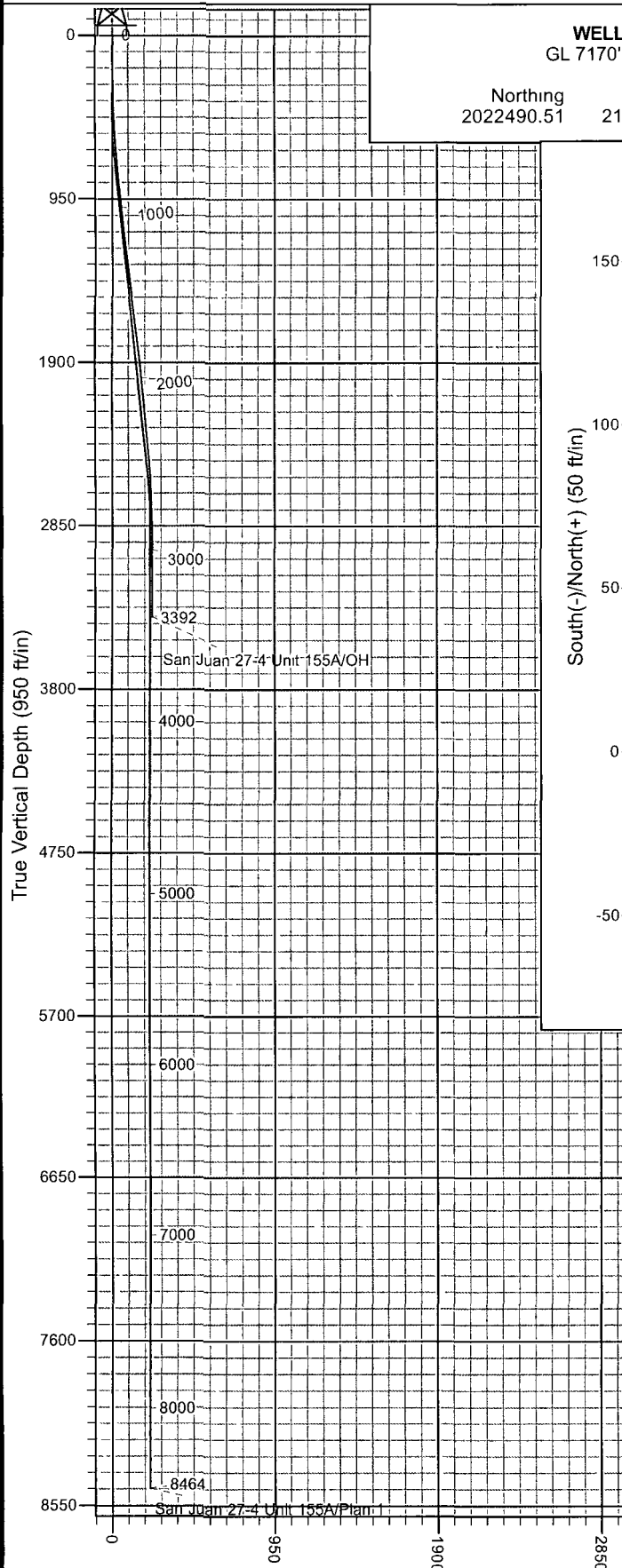
Notarized this date 20th of June, 2012.

Chrystal D. Wollerman

Notary Signature
County of Natrona
State of Wyoming



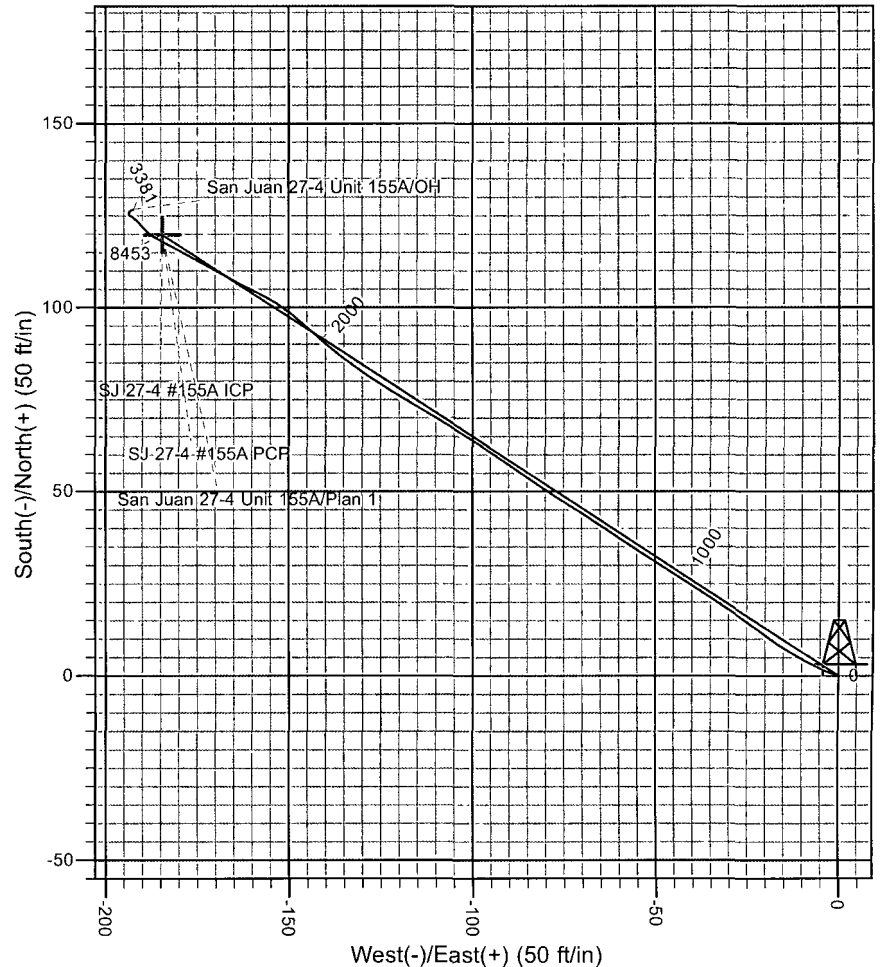
Scientific Drilling



WELL DETAILS: San Juan 27-4 Unit 155A
 GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 Ground Level: 7170.0

Northing	Easting	Latitude	Longitude
2022490.51	218674.08	36° 33' 16.562 N	107° 12' 28.224 W

Magnetic North 9.56°
 Magnetic Field
 Strength 50556 Bsn
 Dip Angle 63.37°
 Date: 06/06/2012
 Model BGGM2012



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 27-4 Unit 155A, True North
 Vertical (TVD) Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 7170' & KB 15' @ 7185.0ft (AWS 711)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM Central)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico Central 3002
 System Datum: Mean Sea Level

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 27-4 Unit 155A
Project:	SJB (NM Central)	TVD Reference:	GL 7170' & KB 15' @ 7185.0ft (AWS 711)
Site:	SEC 24-T27N-R4W	MD Reference:	GL 7170' & KB 15' @ 7185.0ft (AWS 711)
Well:	San Juan 27-4 Unit 155A	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003 21 Single User Db

Project	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	SEC 24-T27N-R4W		
Site Position:		Northing:	2,022,490.51 ft
From:	Lat/Long	Easting:	218,674.08 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 33' 16.562 N
		Longitude:	107° 12' 28.224 W
		Grid Convergence:	-0.57 °

Well	San Juan 27-4 Unit 155A, 1117' FSL 988' FWL		
Well Position	+N/-S	0.0 ft	Northing: 2,022,490.51 ft
	+E/-W	0.0 ft	Easting: 218,674.08 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 33' 16.562 N
		Longitude:	107° 12' 28.224 W
		Ground Level:	7,170.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	2012/06/06	9.56	63.37	50,557

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	303.00	

Survey Program	Date	2012/06/20			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
397.0	3,392.0	Survey #1 (OH)	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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
397.0	1.08	289.97	397.0	1.3	-3.5	3.6	0.27	0.27	0.00	
First SDI MWD Survey										
427.0	1.41	292.73	427.0	1.5	-4.1	4.3	1.12	1.10	9.20	
458.0	1.75	296.62	458.0	1.9	-4.9	5.1	1.15	1.10	12.55	
489.0	3.00	295.97	488.9	2.4	-6.1	6.4	4.03	4.03	-2.10	
519.0	3.11	297.15	518.9	3.2	-7.5	8.0	0.42	0.37	3.93	
550.0	3.66	298.86	549.8	4.0	-9.1	9.8	1.80	1.77	5.52	
612.0	4.39	300.86	611.7	6.2	-12.9	14.2	1.20	1.18	3.23	
673.0	4.54	303.70	672.5	8.7	-16.9	18.9	0.44	0.25	4.66	
735.0	4.56	308.73	734.3	11.6	-20.8	23.8	0.64	0.03	8.11	
797.0	5.45	304.08	796.1	14.8	-25.2	29.2	1.58	1.44	-7.50	
859.0	5.81	303.66	857.8	18.2	-30.3	35.3	0.58	0.58	-0.68	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 27-4 Unit 155A
Project:	SJB (NM Central)	TVD Reference:	GL 7170' & KB 15' @ 7185.0ft (AWS 711)
Site:	SEC 24-T27N-R4W	MD Reference:	GL 7170' & KB 15' @ 7185.0ft (AWS 711)
Well:	San Juan 27-4 Unit 155A	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

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)
923.0	6.14	303.08	921.4	21.9	-35.8	42.0	0.52	0.52	-0.91
987.0	5.98	302.77	985.1	25.6	-41.5	48.7	0.26	-0.25	-0.48
1,050.0	6.14	301.95	1,047.7	29.1	-47.1	55.4	0.29	0.25	-1.30
1,113.0	6.09	303.01	1,110.3	32.7	-52.8	62.1	0.20	-0.08	1.68
1,176.0	6.39	303.47	1,173.0	36.5	-58.5	68.9	0.48	0.48	0.73
1,239.0	6.34	302.87	1,235.6	40.3	-64.3	75.9	0.13	-0.08	-0.95
1,303.0	6.55	303.57	1,299.2	44.2	-70.4	83.1	0.35	0.33	1.09
1,366.0	6.84	301.29	1,361.8	48.2	-76.6	90.4	0.62	0.46	-3.62
1,429.0	6.86	303.98	1,424.3	52.2	-82.9	97.9	0.51	0.03	4.27
1,492.0	7.19	305.32	1,486.8	56.6	-89.2	105.6	0.58	0.52	2.13
1,555.0	7.40	303.34	1,549.3	61.1	-95.8	113.6	0.52	0.33	-3.14
1,618.0	7.11	301.12	1,611.8	65.3	-102.5	121.6	0.64	-0.46	-3.52
1,682.0	7.08	302.01	1,675.3	69.5	-109.3	129.5	0.18	-0.05	1.39
1,745.0	7.15	300.23	1,737.8	73.5	-116.0	137.3	0.37	0.11	-2.83
1,808.0	7.56	301.35	1,800.3	77.6	-122.9	145.4	0.69	0.65	1.78
1,871.0	7.17	304.78	1,862.8	82.0	-129.7	153.4	0.93	-0.62	5.44
1,935.0	6.13	308.34	1,926.4	86.4	-135.6	160.8	1.75	-1.63	5.56
1,998.0	5.37	310.07	1,989.1	90.4	-140.5	167.1	1.24	-1.21	2.75
2,062.0	5.28	312.24	2,052.8	94.3	-145.0	173.0	0.34	-0.14	3.39
2,125.0	5.20	310.64	2,115.5	98.1	-149.3	178.7	0.26	-0.13	-2.54
2,189.0	5.02	300.29	2,179.3	101.4	-153.9	184.3	1.47	-0.28	-16.17
2,252.0	5.29	295.96	2,242.0	104.1	-158.9	190.0	0.75	0.43	-6.87
2,316.0	5.21	299.21	2,305.7	106.8	-164.1	195.8	0.48	-0.13	5.08
2,379.0	4.97	298.24	2,368.5	109.5	-169.0	201.4	0.40	-0.38	-1.54
2,443.0	5.29	299.62	2,432.2	112.3	-174.0	207.1	0.54	0.50	2.16
2,505.0	4.88	297.35	2,494.0	114.9	-178.8	212.6	0.74	-0.66	-3.66
2,569.0	3.76	298.74	2,557.8	117.2	-183.1	217.4	1.76	-1.75	2.17
2,632.0	2.82	298.69	2,620.7	118.9	-186.3	221.0	1.49	-1.49	-0.08
2,696.0	1.67	312.67	2,684.7	120.3	-188.3	223.5	1.98	-1.80	21.84
2,759.0	1.49	318.08	2,747.6	121.5	-189.5	225.2	0.37	-0.29	8.59
2,822.0	1.29	317.59	2,810.6	122.6	-190.6	226.6	0.32	-0.32	-0.78
2,886.0	1.50	313.33	2,874.6	123.8	-191.7	228.1	0.37	0.33	-6.66
2,949.0	0.78	301.09	2,937.6	124.5	-192.6	229.4	1.20	-1.14	-19.43
3,012.0	0.52	308.46	3,000.6	124.9	-193.2	230.1	0.43	-0.41	11.70
3,075.0	0.38	329.18	3,063.6	125.3	-193.6	230.6	0.34	-0.22	32.89
3,139.0	0.24	354.92	3,127.6	125.6	-193.7	230.8	0.30	-0.22	40.22
3,202.0	0.30	20.54	3,190.6	125.9	-193.6	231.0	0.21	0.10	40.67
3,265.0	0.52	56.39	3,253.6	126.2	-193.3	230.9	0.52	0.35	56.90
3,329.0	0.58	70.15	3,317.6	126.5	-192.8	230.6	0.23	0.09	21.50
3,392.0	0.50	63.73	3,380.6	126.7	-192.2	230.2	0.16	-0.13	-10.19
Last SDI MWD Survey									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
397.0	397.0	1.3	-3.5	First SDI MWD Survey
3,392.0	3,380.6	126.7	-192.2	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____