

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

AS DRILLED PLAT
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35208		*Pool Code 72319/71599/97232	*Pool Name BLANCO MESAVERDE/BASIN DAKOTA/BASIN MANGOS
*Property Code 7473	*Property Name SAN JUAN 32-9 UNIT		*Well Number 24 B
*OGRD No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6637'

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
P	5	31N	9W		890'	SOUTH	1168'	EAST	SAN JUAN

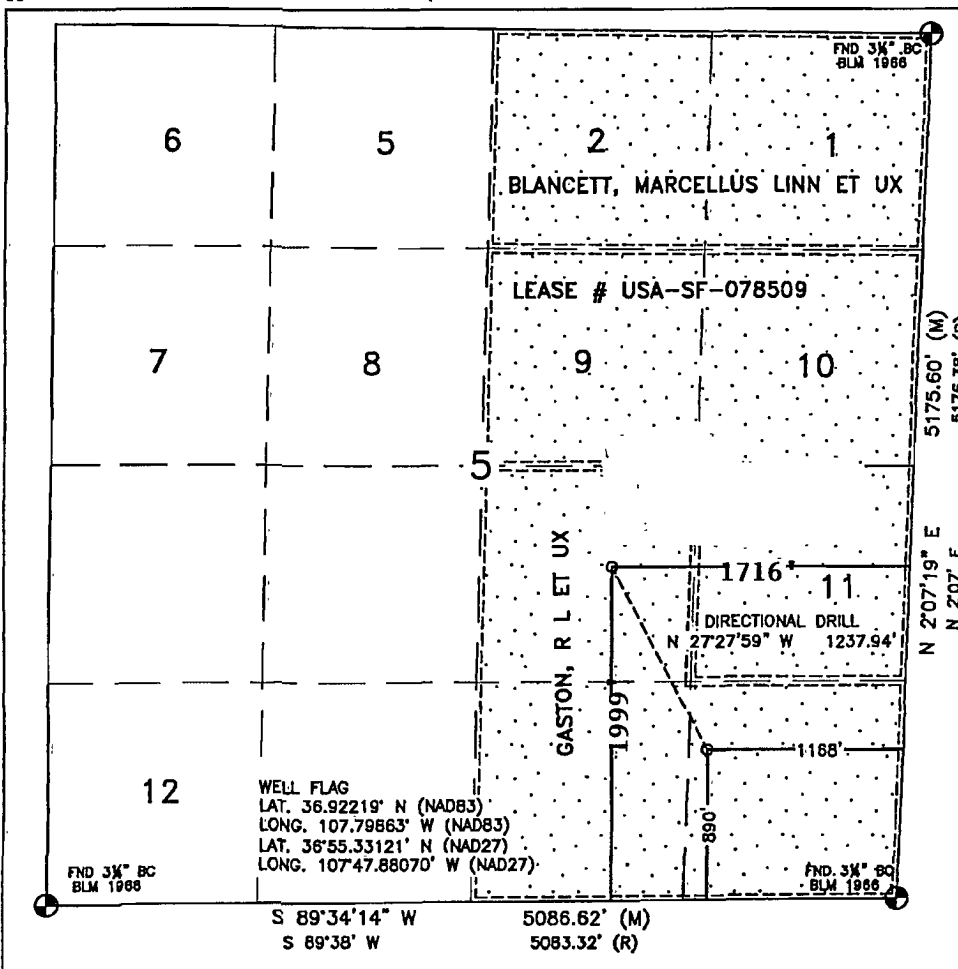
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	5	31N	9W		1999'	SOUTH	1716'	EAST	SAN JUAN

*Dedicated Acres 316.70 ACRES - E/2	*Joint or Infill	*Consolidation Code	*Order No.
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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

16



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 released 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 or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: 1/31/12

Printed Name: Marie E. Jaramillo

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: JUNE 23, 2009

Signature and Seal of Professional Surveyor: *[Signature]*

DAVID A. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL
Certificate Number: 10201

A

alt

RCVD JAN 31 '12

OIL CONS. DIV.

DIST. 3



Scientific Drilling

ConocoPhillips

SJB (NM West)
SEC 05-T31N-R9W
SJ 32-9 #24B

OH

Design: OH

Standard Survey Report

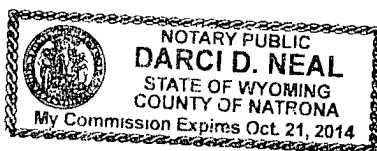
28 November, 2011

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

Notarized this date 29th of November, 2011.

[Signature]

Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #24B
Project:	SJB (NM West)	TVD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Site:	SEC 05-T31N-R9W	MD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Well:	SJ 32-9 #24B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDMCOP

Project	SJB (NM West), 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 West 3003		Using geodetic scale factor

Site	SEC 05-T31N-R9W		
Site Position:		Northing:	2,154,943.13 ft
From:	Lat/Long	Easting:	510,324.97 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 55' 19.873 N
		Longitude:	107° 47' 52.842 W
		Grid Convergence:	0.02 °

Well	SJ 32-9 #24B, 890' FSL 1168' FEL		
Well Position	+N/-S	0.0 ft	Northing: 2,154,943.13 ft
	+E/-W	0.0 ft	Easting: 510,324.97 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 55' 19.873 N
		Longitude:	107° 47' 52.842 W
		Ground Level:	6,637.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	10/24/2011	9.89	63.61	50,771

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	332.16	

Survey Program	Date	11/28/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
267.0	3,729.0	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
267.0	0.24	169.52	267.0	-0.5	0.1	-0.5	0.09	0.09	0.00
First SDI MWD Survey									
297.0	0.08	224.51	297.0	-0.6	0.1	-0.6	0.68	-0.53	183.30
328.0	0.37	301.61	328.0	-0.6	0.0	-0.5	1.16	0.94	248.71
358.0	0.83	313.39	358.0	-0.4	-0.2	-0.2	1.58	1.53	39.27
389.0	1.37	329.90	389.0	0.1	-0.6	0.4	2.00	1.74	53.26
420.0	1.96	333.25	420.0	0.9	-1.0	1.3	1.93	1.90	10.81
451.0	2.92	334.78	450.9	2.1	-1.6	2.6	3.10	3.10	4.94
482.0	3.79	333.68	481.9	3.7	-2.4	4.4	2.81	2.81	-3.55
513.0	4.45	331.28	512.8	5.7	-3.4	6.6	2.20	2.13	-7.74
544.0	5.62	332.18	543.7	8.1	-4.7	9.3	3.78	3.77	2.90
575.0	6.43	332.63	574.5	11.0	-6.2	12.6	2.62	2.61	1.45

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #24B
Project:	SJB (NM West)	TVD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Site:	SEC 05-T31N-R9W	MD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Well:	SJ 32-9 #24B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDMCOP

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)
605.0	7.32	331.44	604.3	14.1	-7.9	16.2	3.00	2.97	-3.97
636.0	8.23	331.52	635.0	17.8	-9.9	20.4	2.94	2.94	0.26
665.0	9.03	332.16	663.7	21.6	-11.9	24.7	2.78	2.76	2.21
697.0	9.84	332.73	695.3	26.3	-14.4	30.0	2.55	2.53	1.78
728.0	10.61	332.19	725.8	31.2	-16.9	35.5	2.50	2.48	-1.74
758.0	11.52	332.37	755.2	36.3	-19.6	41.2	3.04	3.03	0.60
789.0	12.44	332.29	785.5	42.0	-22.6	47.7	2.97	2.97	-0.26
820.0	13.06	331.99	815.8	48.0	-25.8	54.5	2.01	2.00	-0.97
851.0	14.06	332.54	845.9	54.5	-29.2	61.8	3.25	3.23	1.77
883.0	14.94	333.38	876.9	61.6	-32.8	69.8	2.83	2.75	2.63
914.0	15.85	333.06	906.8	68.9	-36.5	78.0	2.95	2.94	-1.03
946.0	16.80	332.55	937.5	76.9	-40.6	87.0	3.00	2.97	-1.59
977.0	17.48	333.37	967.1	85.1	-44.8	96.1	2.33	2.19	2.65
1,009.0	18.06	333.64	997.6	93.8	-49.1	105.9	1.83	1.81	0.84
1,041.0	18.91	333.57	1,027.9	102.9	-53.6	116.0	2.66	2.66	-0.22
1,073.0	19.68	332.75	1,058.1	112.3	-58.4	126.6	2.55	2.41	-2.56
1,104.0	20.41	331.67	1,087.3	121.7	-63.4	137.2	2.64	2.35	-3.48
1,136.0	21.30	331.26	1,117.2	131.7	-68.8	148.6	2.82	2.78	-1.28
1,168.0	22.07	331.40	1,146.9	142.1	-74.5	160.5	2.41	2.41	0.44
1,200.0	22.99	331.58	1,176.4	152.9	-80.3	172.7	2.88	2.88	0.56
1,231.0	23.66	331.73	1,204.9	163.7	-86.2	185.0	2.17	2.16	0.48
1,263.0	24.39	332.20	1,234.1	175.2	-92.3	198.0	2.36	2.28	1.47
1,295.0	25.38	332.17	1,263.2	187.1	-98.6	211.5	3.09	3.09	-0.09
1,327.0	26.30	331.87	1,292.0	199.4	-105.1	225.4	2.90	2.88	-0.94
1,390.0	27.22	332.18	1,348.2	224.5	-118.4	253.8	1.48	1.46	0.49
1,453.0	26.89	331.89	1,404.3	249.8	-131.9	282.5	0.56	-0.52	-0.46
1,517.0	27.19	331.71	1,461.3	275.4	-145.6	311.5	0.49	0.47	-0.28
1,580.0	27.15	331.45	1,517.4	300.7	-159.3	340.3	0.20	-0.06	-0.41
1,643.0	27.65	331.53	1,573.3	326.2	-173.1	369.3	0.80	0.79	0.13
1,706.0	28.56	331.55	1,628.9	352.3	-187.3	399.0	1.44	1.44	0.03
1,769.0	28.95	331.63	1,684.1	379.0	-201.7	429.3	0.62	0.62	0.13
1,832.0	29.02	333.14	1,739.2	406.0	-215.9	459.8	1.17	0.11	2.40
1,895.0	28.83	333.54	1,794.4	433.2	-229.5	490.3	0.43	-0.30	0.63
1,958.0	28.72	333.36	1,849.6	460.4	-243.1	520.6	0.22	-0.17	-0.29
2,021.0	29.06	333.15	1,904.7	487.5	-256.8	551.0	0.56	0.54	-0.33
2,084.0	28.71	332.78	1,959.9	514.6	-270.6	581.5	0.62	-0.56	-0.59
2,148.0	28.47	332.60	2,016.1	541.9	-284.7	612.1	0.40	-0.38	-0.28
2,211.0	28.16	333.09	2,071.6	568.4	-298.3	642.0	0.61	-0.49	0.78
2,274.0	27.60	331.82	2,127.3	594.6	-311.9	671.4	1.30	-0.89	-2.02
2,338.0	27.55	331.62	2,184.0	620.7	-326.0	701.0	0.16	-0.08	-0.31
2,401.0	28.00	332.24	2,239.7	646.6	-339.8	730.4	0.85	0.71	0.98
2,465.0	28.66	332.16	2,296.1	673.4	-353.9	760.8	1.03	1.03	-0.13
2,527.0	28.88	332.85	2,350.4	699.9	-367.7	790.6	0.64	0.35	1.11
2,591.0	28.65	332.21	2,406.5	727.2	-381.9	821.4	0.60	-0.36	-1.00
2,654.0	28.31	331.76	2,461.9	753.7	-396.0	851.4	0.64	-0.54	-0.71
2,717.0	28.14	331.40	2,517.4	779.9	-410.2	881.2	0.38	-0.27	-0.57
2,780.0	28.11	331.25	2,573.0	806.0	-424.5	910.9	0.12	-0.05	-0.24
2,844.0	27.50	332.45	2,629.6	832.3	-438.5	940.8	1.29	-0.95	1.88
2,907.0	26.29	334.37	2,685.8	857.8	-451.3	969.3	2.36	-1.92	3.05
2,971.0	24.66	335.64	2,743.5	882.7	-462.9	996.8	2.69	-2.55	1.98
3,034.0	22.68	336.16	2,801.2	905.8	-473.3	1,022.0	3.16	-3.14	0.83
3,097.0	20.93	335.44	2,859.7	927.2	-482.9	1,045.4	2.81	-2.78	-1.14
3,160.0	19.45	334.86	2,918.8	946.9	-492.0	1,067.1	2.37	-2.35	-0.92
3,224.0	17.82	333.05	2,979.5	965.3	-501.0	1,087.5	2.70	-2.55	-2.83

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #24B
Project:	SJB (NM West)	TVD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Site:	SEC 05-T31N-R9W	MD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Well:	SJ 32-9 #24B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDMCOP

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)
3,287.0	16.17	332.45	3,039.7	981.7	-509.4	1,105.9	2.63	-2.62	-0.95
3,350.0	14.61	330.10	3,100.5	996.3	-517.4	1,122.6	2.67	-2.48	-3.73
3,414.0	13.60	328.70	3,162.5	1,009.7	-525.3	1,138.2	1.67	-1.58	-2.19
3,477.0	12.45	327.97	3,223.9	1,021.8	-532.8	1,152.4	1.84	-1.83	-1.16
3,540.0	11.44	326.35	3,285.6	1,032.8	-539.9	1,165.4	1.69	-1.60	-2.57
3,603.0	9.22	323.78	3,347.5	1,042.1	-546.3	1,176.6	3.60	-3.52	-4.08
3,666.0	7.78	320.80	3,409.8	1,049.4	-552.0	1,185.8	2.39	-2.29	-4.73
3,729.0	7.20	316.10	3,472.3	1,055.6	-557.4	1,193.7	1.34	-0.92	-7.46
Last SDI MWD Survey									

Checked By: _____ Approved By: _____ Date: _____

RCVD JAN 31 '12

OIL CONS. DIV.

DIST. 3



Scientific Drilling

ConocoPhillips

SJB (NM West)

SEC 05-T31N-R9W

SJ 32-9 #24B

ST

Design: ST

Standard Survey Report

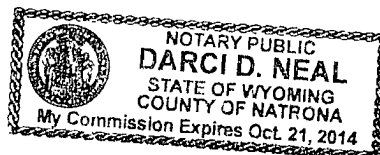
28 November, 2011

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

Notarized this date 29th of November, 2011.



Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #24B
Project:	SJB (NM West)	TVD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Site:	SEC 05-T31N-R9W	MD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Well:	SJ 32-9 #24B	North Reference:	True
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	Database:	EDMCOP

Project:	SJB (NM West), 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 West 3003		Using geodetic scale factor

Site						SEC 05-T31N-R9W							
Site Position:						Northing:		2,154,943.13 ft		Latitude:		36° 55' 19.873 N	
From:		Lat/Long				Easting:		510,324.97 ft		Longitude:		107° 47' 52.842 W	
Position Uncertainty:		0.0 ft				Slot Radius:		"		Grid Convergence:		0.02 °	

Well	SJ 32-9 #24B, 890' FSL 1168' FEL					
Well Position	+N/-S	0.0 ft	Northing:	2,154,943.13 ft	Latitude:	36° 55' 19.873 N
	+E/-W	0.0 ft	Easting:	510,324.97 ft	Longitude:	107° 47' 52.842 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,637.0 ft

Wellbore:	ST				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	10/24/2011	9.89	63.61	50,771

Design:	ST				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	2,844.0
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)	
	0.0	0.0	0.0	333.72	

Survey Program	Date	11/28/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
267.0	2,844.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1 0.1	
2,872.0	3,926.0	Survey #1 (ST)	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)	
2,844.0	27.50	332.45	2,629.6	832.3	-438.5	940.5	1.29	-0.95	1.88	
TIP										
2,872.0	27.09	337.00	2,654.5	843.9	-444.0	953.3	7.59	-1.46	16.25	
First SDI MWD Survey										
2,906.0	25.12	340.68	2,685.0	857.9	-449.4	968.2	7.50	-5.79	10.82	
3,033.0	23.80	343.88	2,800.6	907.9	-465.5	1,020.2	1.47	-1.04	2.52	
3,064.0	23.53	341.93	2,829.0	919.8	-469.1	1,032.5	2.67	-0.87	-6.29	
3,096.0	23.54	339.55	2,858.3	931.9	-473.3	1,045.1	2.97	0.03	-7.44	
3,160.0	23.39	337.27	2,917.0	955.6	-482.7	1,070.5	1.44	-0.23	-3.56	
3,192.0	23.15	341.81	2,946.4	967.4	-487.1	1,083.1	5.65	-0.75	14.19	
3,255.0	20.63	337.87	3,004.9	989.5	-495.2	1,106.4	4.63	-4.00	-6.25	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 32-9 #24B
Project:	SJB (NM West)	TVD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Site:	SEC 05-T31N-R9W	MD Reference:	GL 6637' & KB 15' @ 6652.0ft (AWS 730)
Well:	SJ 32-9 #24B	North Reference:	True
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	Database:	EDMCOP

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)
3,319.0	18.90	337.01	3,065.1	1,009.4	-503.5	1,128.0	2.74	-2.70	-1.34
3,382.0	16.45	340.81	3,125.1	1,027.3	-510.4	1,147.1	4.30	-3.89	6.03
3,445.0	14.62	333.83	3,185.8	1,042.8	-516.8	1,163.9	4.15	-2.90	-11.08
3,509.0	13.11	337.68	3,248.0	1,056.8	-523.2	1,179.2	2.76	-2.36	6.02
3,572.0	11.48	332.28	3,309.5	1,069.0	-528.8	1,192.6	3.16	-2.59	-8.57
3,635.0	9.49	338.76	3,371.5	1,079.3	-533.6	1,204.0	3.67	-3.16	10.29
3,698.0	7.52	336.78	3,433.8	1,088.0	-537.1	1,213.3	3.16	-3.13	-3.14
3,762.0	6.05	328.46	3,497.3	1,094.7	-540.5	1,220.9	2.76	-2.30	-13.00
3,825.0	5.76	333.99	3,560.0	1,100.4	-543.6	1,227.3	1.01	-0.46	8.78
3,926.0	4.65	335.50	3,660.6	1,108.7	-547.6	1,236.5	1.11	-1.10	1.50
Last SDI MWD Survey									

Checked By: _____	Approved By: _____	Date: _____
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