

RCVD APR 26 '12
OIL CONS. DIV.
DIST. 3

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 West Grand Avenue, Artesia, N.M. 88210

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

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

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

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

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35115	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31508	⁵ Property Name BRUINGTON	
⁷ GRID No. 217817	⁶ Operator Name CONOCOPHILLIPS COMPANY	⁸ Well Number 15G
		⁹ Elevation 5813'

¹⁰ Surface Location

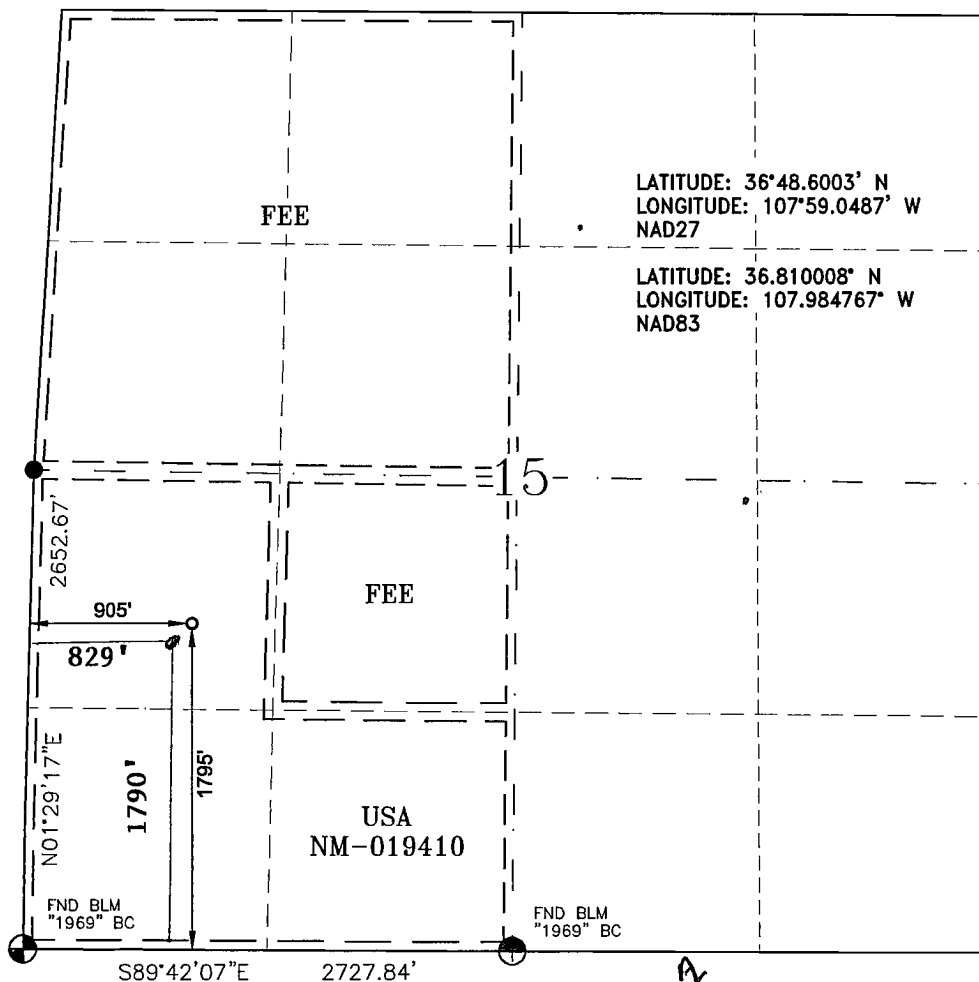
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	15	30-N	11-W		1795	SOUTH	905	WEST	SAN JUAN

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
L	15	30N	11W		1790'	SOUTH	829'	WEST	San Juan
¹² Dedicated Acres MV 323.42 ACRES W/2 DK 320.00 ACRES W/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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 unleased 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

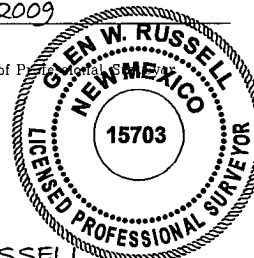
18 Signature
Staff Regulatory Tech. 4/24/12
Printed Name

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.

February 19, 2009
Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number 15703



COP Deviation Report

BRUINGTON #15G

Operator CONOCOPHILLIPS COMPANY	Legal WellName BRUINGTON #15G	API / UWI 3004535115	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 015-030N-011W-L	N/S Dist (ft) 1,795 00	N/S Ref FSL	E/W Dist (ft) 905 00	E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
1/24/2012	128.00	1.00		Inc-Drop	MO-TE DRILLING INC.
1/24/2012	232.00	0.50		Inc-Drop	MO-TE DRILLING INC.
2/8/2012	299.00	0.14	268 70	IncAzi-MWD	Scientific Drilling
2/8/2012	330.00	0 08	271 04	IncAzi-MWD	Scientific Drilling
2/8/2012	391.00	0.71	284.96	IncAzi-MWD	Scientific Drilling
2/8/2012	453 00	1 54	268.27	IncAzi-MWD	Scientific Drilling
2/8/2012	515 00	2.78	275.32	IncAzi-MWD	Scientific Drilling
2/8/2012	577.00	3.26	277.71	IncAzi-MWD	Scientific Drilling
2/8/2012	639 00	3.48	274.73	IncAzi-MWD	Scientific Drilling
2/8/2012	699 00	3.46	276.91	IncAzi-MWD	Scientific Drilling
2/9/2012	761.00	4.21	273.83	IncAzi-MWD	Scientific Drilling
2/9/2012	822.00	4.16	273 98	IncAzi-MWD	Scientific Drilling
2/9/2012	883.00	4.39	268 72	IncAzi-MWD	Scientific Drilling
2/9/2012	945.00	4.35	271 74	IncAzi-MWD	Scientific Drilling
2/9/2012	1,010.00	4 05	268 34	IncAzi-MWD	Scientific Drilling
2/9/2012	1,073.00	4 05	268 66	IncAzi-MWD	Scientific Drilling
2/9/2012	1,137.00	4 09	269.38	IncAzi-MWD	Scientific Drilling
2/9/2012	1,200.00	4.07	266.41	IncAzi-MWD	Scientific Drilling
2/9/2012	1,264.00	4 43	269.28	IncAzi-MWD	Scientific Drilling
2/9/2012	1,327.00	4 29	270.71	IncAzi-MWD	Scientific Drilling
2/9/2012	1,391.00	4 07	269.24	IncAzi-MWD	Scientific Drilling
2/9/2012	1,454 00	3 24	259.50	IncAzi-MWD	Scientific Drilling
2/9/2012	1,518.00	2 15	259.95	IncAzi-MWD	Scientific Drilling
2/9/2012	1,581.00	1.16	242.78	IncAzi-MWD	Scientific Drilling
2/9/2012	1,645.00	0 99	229.74	IncAzi-MWD	Scientific Drilling
2/9/2012	1,708 00	0.42	206.26	IncAzi-MWD	Scientific Drilling
2/9/2012	1,772 00	0.80	171.65	IncAzi-MWD	Scientific Drilling
2/9/2012	1,836.00	0.77	191 04	IncAzi-MWD	Scientific Drilling
2/9/2012	1,899 00	0.82	204 36	IncAzi-MWD	Scientific Drilling
2/9/2012	1,962 00	0.76	197.05	IncAzi-MWD	Scientific Drilling
2/9/2012	2,026 00	0.62	203.97	IncAzi-MWD	Scientific Drilling
2/9/2012	2,079.00	0.62	203 97	Projection	Scientific Drilling
2/10/2012	2,355 00	2.00	0.00	Inc-MWD	Aztec Well Servicing Co Inc
2/10/2012	2,810 00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/10/2012	3,310 00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/10/2012	3,810.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc

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 _____

ROVD APR 25 12
OIL CONS. DIV.
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
2/10/2012	4,159.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/10/2012	4,204.00	1.00		Projection	Aztec Well Servicing Co Inc
2/27/2012	6,793.00	1.00		Inc-WL	Phoenix Services LLC

I, the undersigned, certify that I acting in my capacity as Well 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.

[Signature]

Subscribed and sworn to me this 4/23/12

[Signature]
Notary Public in and for San Juan County, New Mexico

My Commission expires 7/20/14

RCVD APR 26 '12

OIL CONS. DIV.

DIST. 3

ConocoPhillips

ConocoPhillips

SJB (NM West)

SEC 15-T30N-R11W

Bruington 15G

OH

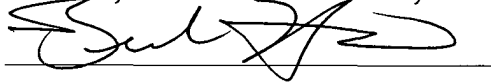
Design: OH

API # 3004535115

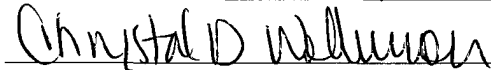
Standard Survey Report

23 February, 2012

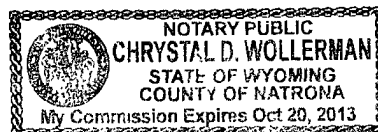
This survey is correct to the best of my knowledge and is supported by actual field data.



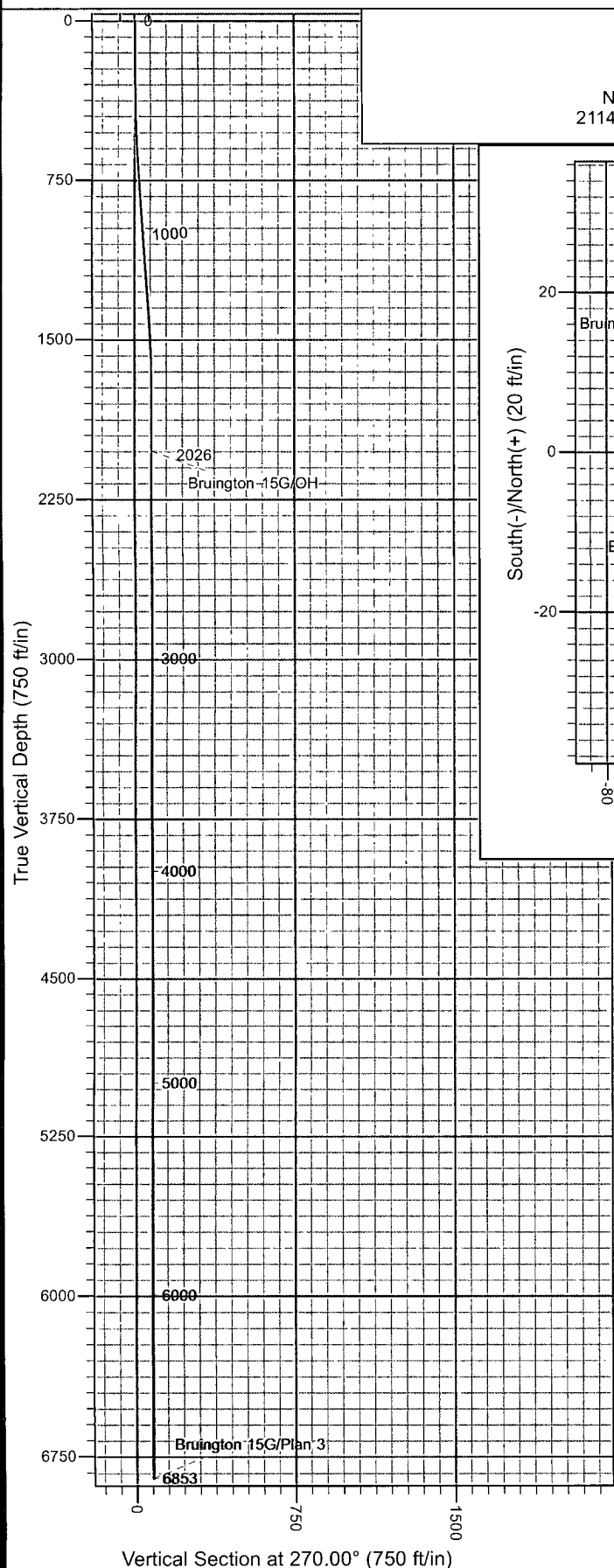
Notarized this date 23rd of February, 2012.



Notary Signature
County of Natrona
State of Wyoming



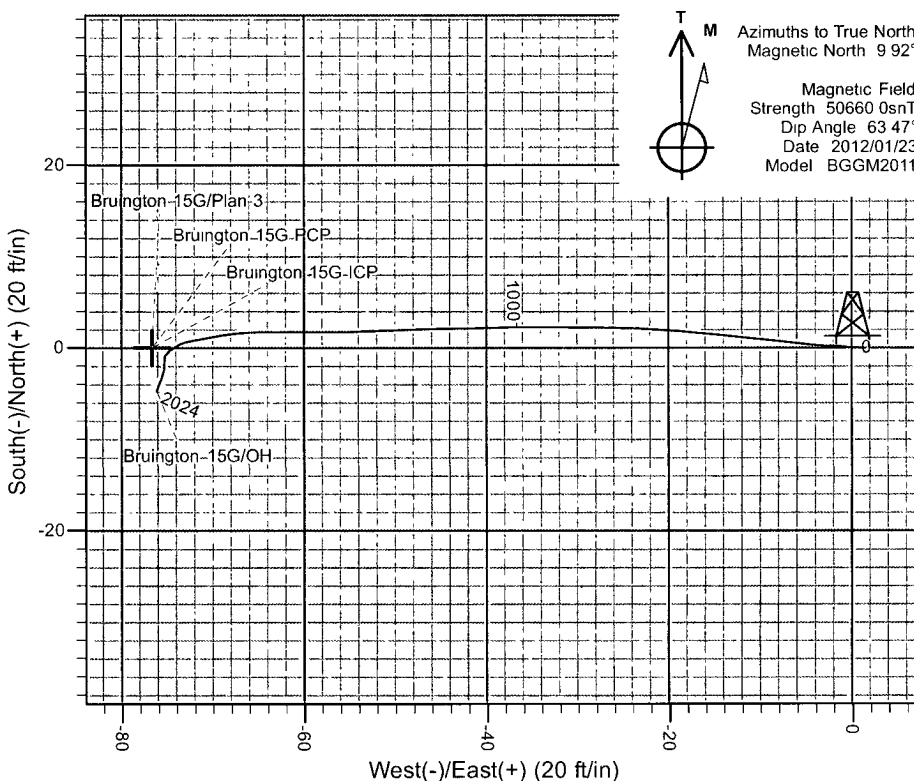
Scientific Drilling



WELL DETAILS: Bruington 15G

GL 5813' & KB 15' @ 5828.0ft (AWS 673)

Ground Level: 5813.0
 Northing 2114135.97 Easting 455851.35 Latitude 36° 48' 36.018 N Longitude 107° 59' 2.922 W



Azimuths to True North
 Magnetic North 9 92°

Magnetic Field
 Strength 50660.0nT
 Dip Angle 63.47°
 Date 2012/01/23
 Model BGGM2011

REFERENCE INFORMATION
 Co-ordinate (N/E) Reference: Well Bruington 15G, True North
 Vertical (TVD) Reference: GL 5813' & KB 15' @ 5828.0ft (AWS 673)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 5813' & KB 15' @ 5828.0ft (AWS 673)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM West)
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico West 3003
 System Datum: Mean Sea Level

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Bruington 15G
Project:	SJB (NM West)	TVD Reference:	GL 5813' & KB 15' @ 5828.0ft (AWS 673)
Site:	SEC 15-T30N-R11W	MD Reference:	GL 5813' & KB 15' @ 5828.0ft (AWS 673)
Well:	Bruington 15G	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Project:	SJB (NM West), San Juan County, 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 15-T30N-R11W			
Site Position:		Northing:	2,115,948.17 ft	Latitude:	36° 48' 53.952 N
From:	Lat/Long	Easting:	456,737.26 ft	Longitude:	107° 58' 52.062 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.09 °

Well	Bruington 15G					
Well Position	+N/-S	0.0 ft	Northing:	2,114,135.97 ft	Latitude:	36° 48' 36.018 N
	+E/-W	0.0 ft	Easting:	455,851.35 ft	Longitude:	107° 59' 2.922 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,813.0 ft

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2011	2012/01/23	9.92	63.47	50,660

Design:	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	270.00	

Survey Program	Date	2012/02/23			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
299.0	2,026.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Survey:										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
299.0	0.14	268.70	299.0	0.0	-0.4	0.4	0.05	0.05	0.00	
First SDI MWD Survey										
330.0	0.08	271.04	330.0	0.0	-0.4	0.4	0.19	-0.19	7.55	
391.0	0.71	284.96	391.0	0.1	-0.8	0.8	1.04	1.03	22.82	
453.0	1.54	268.27	453.0	0.2	-2.0	2.0	1.43	1.34	-26.92	
515.0	2.78	275.32	514.9	0.3	-4.4	4.4	2.04	2.00	11.37	
577.0	3.26	277.71	576.9	0.7	-7.6	7.6	0.80	0.77	3.85	
639.0	3.48	274.73	638.7	1.0	-11.2	11.2	0.45	0.35	-4.81	
699.0	3.46	276.91	698.6	1.4	-14.8	14.8	0.22	-0.03	3.63	
761.0	4.21	273.83	760.5	1.8	-19.0	19.0	1.25	1.21	-4.97	
822.0	4.16	273.98	821.3	2.1	-23.4	23.4	0.08	-0.08	0.25	
883.0	4.39	268.72	882.2	2.2	-28.0	28.0	0.74	0.38	-8.62	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Bruington 15G
Project:	SJB (NM West)	TVD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Site:	SEC 15-T30N-R11W	MD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Well:	Bruington 15G	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)
945.0	4.35	271.74	944.0	2.2	-32.7	32.7	0.38	-0.06	4.87
1,010.0	4.05	268.34	1,008.8	2.2	-37.4	37.4	0.60	-0.46	-5.23
1,073.0	4.05	268.66	1,071.7	2.1	-41.9	41.9	0.04	0.00	0.51
1,137.0	4.09	269.38	1,135.5	2.0	-46.4	46.4	0.10	0.06	1.13
1,200.0	4.07	266.41	1,198.3	1.9	-50.9	50.9	0.34	-0.03	-4.71
1,264.0	4.43	269.28	1,262.2	1.7	-55.6	55.6	0.65	0.56	4.48
1,327.0	4.29	270.71	1,325.0	1.7	-60.4	60.4	0.28	-0.22	2.27
1,391.0	4.07	269.24	1,388.8	1.7	-65.1	65.1	0.38	-0.34	-2.30
1,454.0	3.24	259.50	1,451.7	1.3	-69.1	69.1	1.64	-1.32	-15.46
1,518.0	2.15	259.95	1,515.6	0.8	-72.0	72.0	1.70	-1.70	0.70
1,581.0	1.16	242.78	1,578.6	0.3	-73.8	73.8	1.74	-1.57	-27.25
1,645.0	0.99	229.74	1,642.6	-0.4	-74.8	74.8	0.46	-0.27	-20.38
1,708.0	0.42	206.26	1,705.6	-0.9	-75.3	75.3	1.00	-0.90	-37.27
1,772.0	0.80	171.65	1,769.6	-1.6	-75.3	75.3	0.80	0.59	-54.08
1,836.0	0.77	191.04	1,833.6	-2.4	-75.3	75.3	0.42	-0.05	30.30
1,899.0	0.82	204.36	1,896.5	-3.3	-75.6	75.6	0.30	0.08	21.14
1,962.0	0.76	197.05	1,959.5	-4.1	-75.9	75.9	0.19	-0.10	-11.60
2,026.0	0.62	203.97	2,023.5	-4.8	-76.2	76.2	0.25	-0.22	10.81
Last SDI MWD Survey									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
299.0	299.0	0.0	-0.4	First SDI MWD Survey
2,026.0	2,023.5	-4.8	-76.2	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____