

"AS Drilled"

District I
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 Brazos 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

CONFIDENTIAL AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35452		² Pool Code 97232	³ Pool Name Basin Mancos
⁴ Property Code 22769	⁵ Property Name MARTIN GAS COM F		⁶ Well Number 1H
⁷ OGRID No. 5380	⁸ Operator Name XTO ENERGY INC.		⁹ Elevation 6,383

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
D	14	27 N	10 W		612	NORTH	992	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
C	13	27 N	10 W		772	NORTH	1925	WEST	SAN JUAN

¹² Dedicated Acres 320 Sec. 13 1/2 640 Sec. 14 All	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JUL 1 '13
---	-------------------------------	----------------------------------	--

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.

OIL CONS. DIV.
DIST. 3

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

Sherry J. Morrow 7/1/13
Signature Date

Sherry J. Morrow
Printed Name

Sherry-morrow@xtoenergy.com
E-mail Address

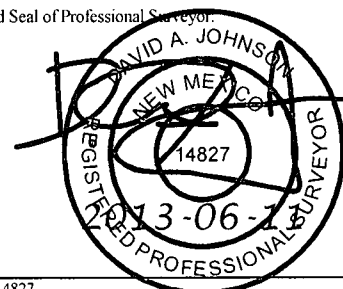
¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the surface 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.

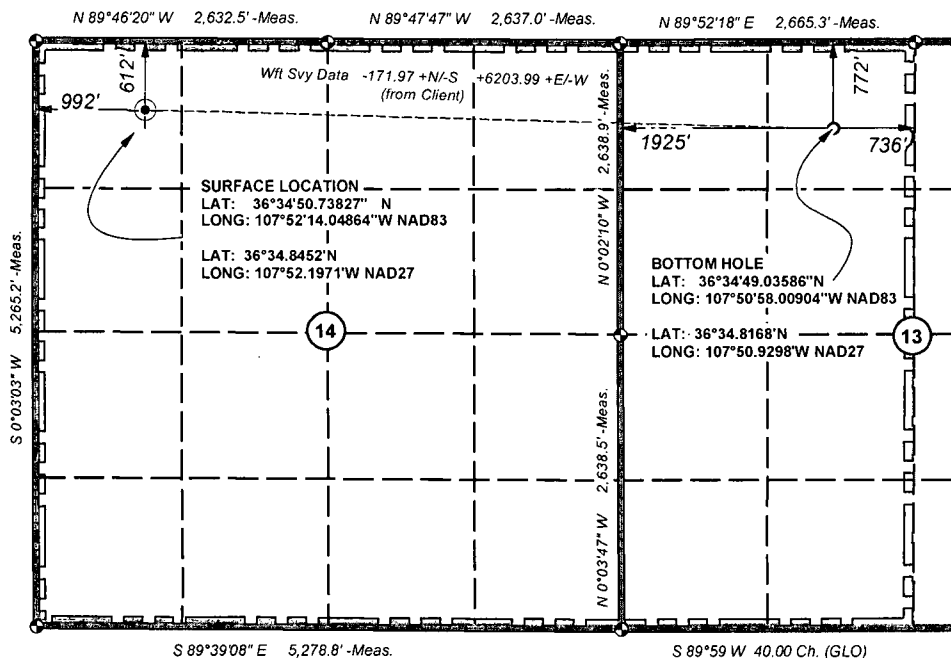
June 7, 2013

Date of Survey

Signature and Seal of Professional Surveyor.



Certificate #14827



= Project Area



= Found GLO Brass Cap Monument

Note:
Location of below surface features provided by Client,
from Wft Svy report, Created By Russell W. Joyner,
dated 5/13/2013.

AV



Martin Gas Com F #1
San Juan Co., New Mexico

SITE DETAILS

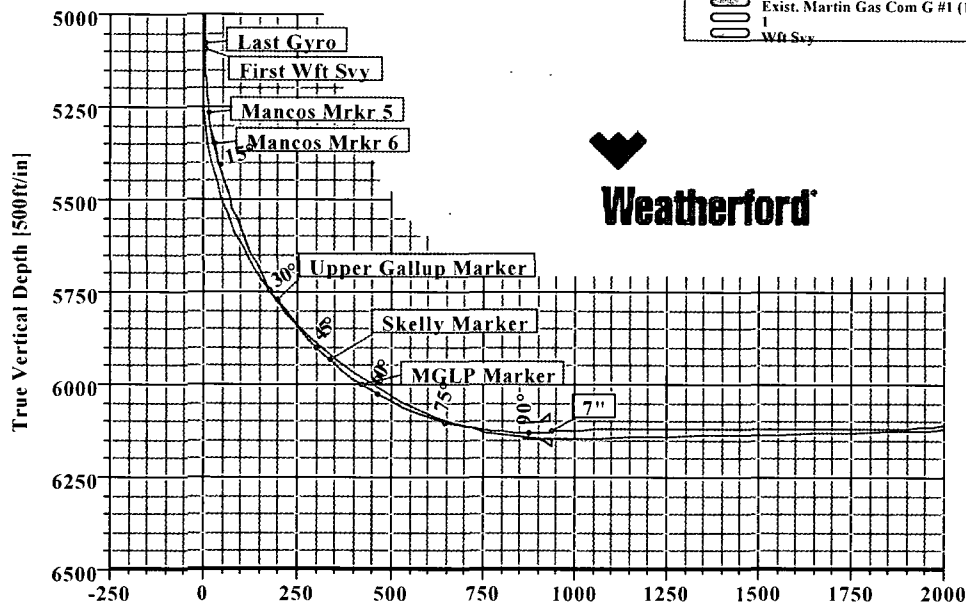
Martin Gas Com F #1

Site Centre Latitude: 36°34'50.736N
Longitude: 107°52'14.088W

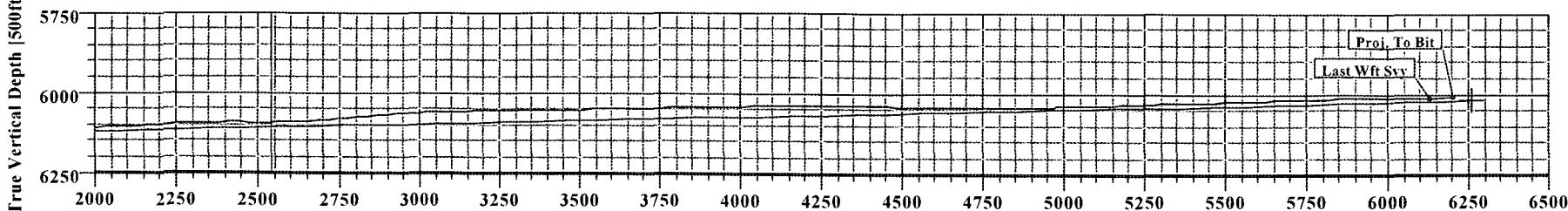
Ground Level: 6387.00
Positional Uncertainty: 0.00
Convergence: -0.02



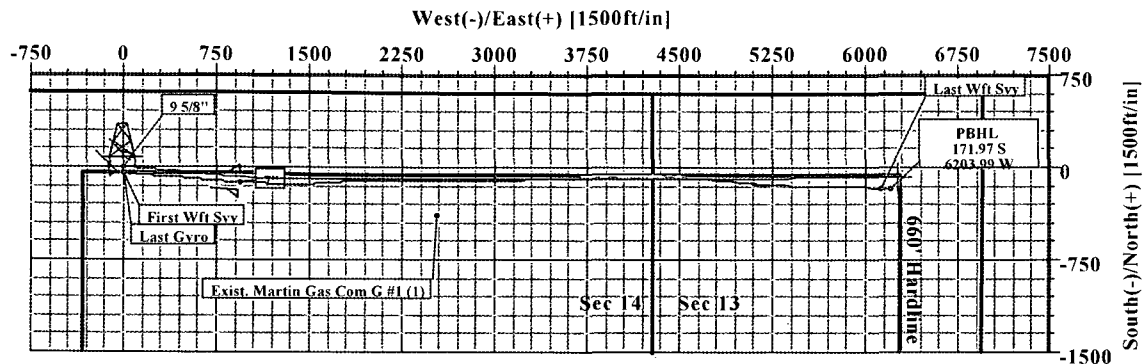
KB ELEV: 6399
GL ELEV: 6387



Vertical Section at 90.76° [500ft/in]



Vertical Section at 90.76° [500ft/in]



LEGEND	
	Martin Gas Com F #1.1, Plan #2
	Exist. Martin Gas Com G #1 (1)
	Wft Svy

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5192.00	0.00	0.00	5192.00	0.00	0.00	0.00	0.00	0.00	
3	6715.55	91.38	95.00	6147.00	-85.26	974.56	6.00	95.00	975.61	
4	6815.48	91.38	95.00	6144.59	-93.97	1074.08	0.00	0.00	1075.23	
5	6945.08	91.38	89.81	6141.47	-99.41	1203.48	4.00	-89.98	1204.69	
6	12002.88	91.38	89.81	6020.03	-83.04	6259.80	0.00	0.00	6260.35	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Martin Gas Com F #1	0.00	0.00	2030712.24	2712161.34	36°34'50.736N	107°52'14.088W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL	6020.03	-83.04	6259.80	36°34'49.908N	107°50'57.334W	Point

Survey: Wft Svy (Martin Gas Com F #1/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
211	11950.00	91.80	92.32	6008.56	-171.97	6203.99	0.00	0.00	6205.73

Survey: Wft Svy (Martin Gas Com F #1/1)

Created By: Russell W. Joyner

Date: 5/13/2013



Weatherford

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO Date: 5/13/2013 Time: 05:06:54 Page: 1
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Well: Martin Gas Com F #1, True North
Site: Martin Gas Com F #1 Vertical (TVD) Reference: SITE 6399.0
Well: Martin Gas Com F #1 Section (VS) Reference: Well (0.00N,0.00E,90.76Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 4/26/2013
Company: Weatherford Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard Tied-to: User Defined

Site: Martin Gas Com F #1

Site Position: Northing: 2030712.24 ft Latitude: 36 34 50.736 N
From: Geographic Easting: 2712161.34 ft Longitude: 107 52 14.088 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 6387.00 ft Grid Convergence: -0.02 deg

Well: Martin Gas Com F #1 Slot Name:
Well Position: +N/-S 0.00 ft Northing: 2030712.24 ft Latitude: 36 34 50.736 N
+E/-W 0.00 ft Easting: 2712161.34 ft Longitude: 107 52 14.088 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 6399.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 4/15/2013 Above System Datum: Mean Sea Level
Field Strength: 50497 nT Declination: 9.70 deg
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 63.26 deg
ft ft +E/-W Direction
deg
0.00 0.00 0.00 90.76

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat	Min	Sec	Long	Min	Sec	Comment
5077.00	0.46	171.51	5076.61	-45.41	6.24	6.84	0.00	36	34	50.287	107	52	14.011	Last Gyro First Wft Svy
5094.00	0.43	196.04	5093.61	-45.54	6.23	6.84	1.13	36	34	50.286	107	52	14.012	
5125.00	0.43	183.61	5124.61	-45.77	6.19	6.80	0.30	36	34	50.283	107	52	14.012	
5156.00	1.44	107.53	5155.61	-46.00	6.56	7.17	4.52	36	34	50.281	107	52	14.008	
5188.00	3.16	109.45	5187.58	-46.41	7.77	8.39	5.38	36	34	50.277	107	52	13.993	
5219.00	4.76	108.61	5218.51	-47.11	9.80	10.42	5.16	36	34	50.270	107	52	13.968	
5250.00	6.53	104.72	5249.36	-47.97	12.72	13.36	5.84	36	34	50.262	107	52	13.932	
5282.00	8.47	101.46	5281.08	-48.90	16.79	17.44	6.20	36	34	50.252	107	52	13.882	
5313.00	10.48	101.24	5311.66	-49.90	21.79	22.45	6.48	36	34	50.243	107	52	13.821	
5345.00	12.14	101.04	5343.03	-51.11	27.95	28.63	5.19	36	34	50.231	107	52	13.745	
5376.00	13.74	101.01	5373.24	-52.44	34.77	35.46	5.16	36	34	50.217	107	52	13.662	
5408.00	14.77	98.84	5404.26	-53.79	42.53	43.24	3.63	36	34	50.204	107	52	13.567	
5439.00	16.32	94.25	5434.13	-54.72	50.78	51.50	6.38	36	34	50.195	107	52	13.465	
5470.00	17.33	89.17	5463.80	-54.98	59.74	60.46	5.75	36	34	50.192	107	52	13.356	
5502.00	18.83	86.62	5494.22	-54.61	69.66	70.38	5.30	36	34	50.196	107	52	13.234	
5533.00	20.16	87.15	5523.44	-54.05	79.99	80.70	4.33	36	34	50.202	107	52	13.107	
5564.00	20.66	89.81	5552.50	-53.76	90.79	91.50	3.40	36	34	50.204	107	52	12.975	
5595.00	21.19	93.32	5581.45	-54.07	101.85	102.56	4.39	36	34	50.201	107	52	12.839	
5626.00	22.39	94.45	5610.24	-54.85	113.33	114.05	4.10	36	34	50.194	107	52	12.698	
5658.00	23.50	94.19	5639.70	-55.79	125.77	126.50	3.48	36	34	50.184	107	52	12.546	
5690.00	25.44	93.77	5668.83	-56.71	139.00	139.74	6.09	36	34	50.175	107	52	12.384	
5722.00	27.28	92.62	5697.50	-57.50	153.18	153.93	5.97	36	34	50.167	107	52	12.210	
5753.00	28.56	94.52	5724.89	-58.40	167.67	168.43	5.03	36	34	50.158	107	52	12.032	
5785.00	30.86	96.70	5752.68	-59.96	183.45	184.22	7.94	36	34	50.143	107	52	11.839	
5817.00	33.42	97.34	5779.78	-62.05	200.34	201.15	8.07	36	34	50.122	107	52	11.632	
5849.00	36.51	98.93	5806.00	-64.65	218.49	219.33	10.07	36	34	50.097	107	52	11.409	
5880.00	38.84	99.05	5830.53	-67.61	237.20	238.08	7.52	36	34	50.067	107	52	11.180	
5912.00	41.02	97.09	5855.07	-70.49	257.53	258.45	7.86	36	34	50.039	107	52	10.930	
5943.00	42.98	94.36	5878.11	-72.55	278.17	279.11	8.64	36	34	50.019	107	52	10.677	
5975.00	44.99	94.00	5901.13	-74.17	300.33	301.29	6.33	36	34	50.003	107	52	10.406	



Weatherford

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO
Field: San Juan, NM (NAD 83)
Site: Martin Gas Com F #1
Well: Martin Gas Com F #1
Wellpath: 1

Date: 5/13/2013 Time: 05:06:54 Page: 2
Co-ordinate(NE) Reference: Well: Martin Gas Com F #1, True North
Vertical (TVD) Reference: SITE 6399.0
Section (VS) Reference: Well (0.00N,0.00E,90.76Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat Min Sec	Long Min Sec	Comment
6007.00	47.33	94.74	5923.30	-75.93	323.34	324.32	7.50	36 34 49.985	107 52 10.123	
6039.00	48.95	94.74	5944.65	-77.90	347.10	348.10	5.06	36 34 49.966	107 52 9.832	
6070.00	51.35	93.85	5964.51	-79.68	370.83	371.85	8.05	36 34 49.948	107 52 9.541	
6101.00	53.79	92.32	5983.35	-81.00	395.40	396.44	8.79	36 34 49.935	107 52 9.240	
6132.00	56.09	92.77	6001.16	-82.12	420.75	421.80	7.51	36 34 49.924	107 52 8.929	
6163.00	58.73	93.64	6017.86	-83.59	446.83	447.90	8.84	36 34 49.909	107 52 8.609	
6195.00	61.37	93.90	6033.83	-85.41	474.49	475.58	8.28	36 34 49.891	107 52 8.270	
6226.00	63.36	94.45	6048.21	-87.41	501.88	503.00	6.61	36 34 49.872	107 52 7.934	
6257.00	65.79	95.25	6061.52	-89.78	529.78	530.92	8.18	36 34 49.848	107 52 7.592	
6288.00	67.98	96.14	6073.69	-92.61	558.14	559.32	7.54	36 34 49.820	107 52 7.244	
6320.00	69.87	96.70	6085.19	-95.95	587.81	589.04	6.13	36 34 49.787	107 52 6.881	
6352.00	72.58	96.95	6095.49	-99.55	617.89	619.16	8.50	36 34 49.751	107 52 6.512	
6383.00	75.50	95.94	6104.02	-102.89	647.51	648.82	9.93	36 34 49.718	107 52 6.149	
6414.00	78.77	95.37	6110.92	-105.87	677.58	678.92	10.70	36 34 49.689	107 52 5.780	
6445.00	81.58	94.65	6116.21	-108.54	708.00	709.38	9.35	36 34 49.663	107 52 5.407	
6476.00	83.90	94.47	6120.12	-110.98	738.66	740.06	7.51	36 34 49.638	107 52 5.031	
6506.00	84.73	94.29	6123.10	-113.26	768.42	769.86	2.83	36 34 49.616	107 52 4.666	
6538.00	85.46	93.68	6125.83	-115.48	800.23	801.69	2.97	36 34 49.594	107 52 4.276	
6569.00	87.41	93.40	6127.76	-117.39	831.11	832.59	6.35	36 34 49.575	107 52 3.898	
6600.00	89.28	93.48	6128.65	-119.25	862.04	863.54	6.04	36 34 49.557	107 52 3.518	
6615.00	90.31	93.48	6128.71	-120.16	877.01	878.52	6.87	36 34 49.548	107 52 3.335	
6696.00	92.80	92.02	6126.51	-124.04	957.88	959.44	3.56	36 34 49.509	107 52 2.343	
6727.00	92.98	92.51	6124.95	-125.27	988.81	990.39	1.68	36 34 49.497	107 52 1.964	
6759.00	92.49	92.52	6123.42	-126.67	1020.74	1022.34	1.53	36 34 49.483	107 52 1.572	
6790.00	91.33	92.71	6122.39	-128.08	1051.69	1053.30	3.79	36 34 49.469	107 52 1.193	
6822.00	91.10	92.63	6121.71	-129.57	1083.65	1085.28	0.76	36 34 49.454	107 52 0.801	
6853.00	91.45	92.52	6121.02	-130.96	1114.61	1116.25	1.18	36 34 49.441	107 52 0.421	
6885.00	91.64	92.38	6120.16	-132.33	1146.57	1148.23	0.74	36 34 49.427	107 52 0.029	
6917.00	91.92	92.33	6119.16	-133.65	1178.53	1180.20	0.89	36 34 49.414	107 51 59.638	
6949.00	89.28	91.78	6118.83	-134.79	1210.51	1212.19	8.43	36 34 49.403	107 51 59.246	
6981.00	88.57	91.11	6119.43	-135.60	1242.49	1244.18	3.05	36 34 49.395	107 51 58.853	
7012.00	88.56	91.97	6120.20	-136.43	1273.47	1275.17	2.77	36 34 49.387	107 51 58.474	
7044.00	88.76	90.99	6120.95	-137.26	1305.45	1307.15	3.12	36 34 49.378	107 51 58.081	
7076.00	89.30	90.02	6121.49	-137.54	1337.44	1339.15	3.47	36 34 49.376	107 51 57.689	
7107.00	89.48	89.81	6121.82	-137.50	1368.44	1370.14	0.89	36 34 49.376	107 51 57.309	
7139.00	89.79	89.30	6122.03	-137.25	1400.44	1402.14	1.87	36 34 49.378	107 51 56.917	
7171.00	90.24	88.83	6122.02	-136.72	1432.43	1434.12	2.03	36 34 49.384	107 51 56.524	
7202.00	90.26	88.18	6121.88	-135.92	1463.42	1465.10	2.10	36 34 49.392	107 51 56.144	
7234.00	90.10	87.65	6121.78	-134.75	1495.40	1497.06	1.73	36 34 49.403	107 51 55.752	
7266.00	90.19	87.31	6121.70	-133.34	1527.37	1529.00	1.10	36 34 49.417	107 51 55.360	
7298.00	90.68	86.57	6121.46	-131.64	1559.32	1560.93	2.77	36 34 49.434	107 51 54.969	
7329.00	90.94	85.54	6121.02	-129.50	1590.25	1591.82	3.43	36 34 49.455	107 51 54.589	
7361.00	90.70	85.80	6120.56	-127.09	1622.15	1623.69	1.11	36 34 49.479	107 51 54.198	
7393.00	90.17	86.46	6120.32	-124.93	1654.08	1655.59	2.65	36 34 49.500	107 51 53.807	
7425.00	89.02	85.91	6120.55	-122.80	1686.00	1687.49	3.98	36 34 49.521	107 51 53.415	
7456.00	90.37	85.70	6120.71	-120.53	1716.92	1718.37	4.41	36 34 49.544	107 51 53.036	
7488.00	90.66	84.99	6120.42	-117.94	1748.81	1750.22	2.40	36 34 49.569	107 51 52.645	
7520.00	90.68	84.48	6120.05	-115.00	1780.68	1782.04	1.59	36 34 49.598	107 51 52.254	
7551.00	91.15	84.76	6119.55	-112.09	1811.54	1812.86	1.76	36 34 49.627	107 51 51.876	
7583.00	90.09	86.34	6119.21	-109.61	1843.44	1844.73	5.95	36 34 49.651	107 51 51.485	
7615.00	91.84	86.50	6118.67	-107.61	1875.37	1876.63	5.49	36 34 49.671	107 51 51.093	
7647.00	92.78	87.77	6117.38	-106.01	1907.30	1908.54	4.93	36 34 49.687	107 51 50.702	



Weatherford

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO
Field: San Juan, NM (NAD 83)
Site: Martin Gas Com F #1
Well: Martin Gas Com F #1
Wellpath: 1

Date: 5/13/2013 Time: 05:06:54 Page: 3
Co-ordinate(NE) Reference: Well: Martin Gas Com F #1, True North
Vertical (TVD) Reference: SITE 6399.0
Section (VS) Reference: Well (0.00N,0.00E,90.76Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat	Min	Sec	Long	Min	Sec	Comments
7678.00	93.87	88.52	6115.58	-105.01	1938.23	1939.45	4.27	36	34	49.697	107	51	50.323	
7710.00	94.39	89.98	6113.28	-104.59	1970.14	1971.36	4.83	36	34	49.701	107	51	49.931	
7742.00	93.64	90.59	6111.04	-104.75	2002.07	2003.28	3.02	36	34	49.699	107	51	49.540	
7773.00	93.36	90.77	6109.14	-105.12	2033.01	2034.22	1.07	36	34	49.696	107	51	49.161	
7805.00	92.48	90.82	6107.51	-105.56	2064.96	2066.18	2.75	36	34	49.691	107	51	48.769	
7837.00	92.68	90.89	6106.07	-106.04	2096.92	2098.15	0.66	36	34	49.687	107	51	48.377	
7868.00	92.64	91.17	6104.63	-106.60	2127.89	2129.11	0.91	36	34	49.681	107	51	47.997	
7900.00	92.91	90.84	6103.09	-107.16	2159.84	2161.07	1.33	36	34	49.676	107	51	47.605	
7932.00	93.31	90.93	6101.35	-107.65	2191.79	2193.03	1.28	36	34	49.671	107	51	47.214	
7963.00	92.92	91.33	6099.66	-108.26	2222.74	2223.98	1.80	36	34	49.665	107	51	46.834	
7995.00	92.36	91.75	6098.19	-109.12	2254.69	2255.94	2.19	36	34	49.656	107	51	46.442	
8027.00	92.78	91.63	6096.76	-110.06	2286.65	2287.91	1.36	36	34	49.647	107	51	46.051	
8059.00	92.05	91.82	6095.41	-111.03	2318.61	2319.87	2.36	36	34	49.637	107	51	45.659	
8091.00	91.36	91.43	6094.46	-111.93	2350.58	2351.86	2.48	36	34	49.628	107	51	45.267	
8122.00	90.86	91.30	6093.85	-112.67	2381.56	2382.85	1.67	36	34	49.621	107	51	44.887	
8153.00	90.24	91.01	6093.56	-113.30	2412.56	2413.85	2.21	36	34	49.615	107	51	44.507	
8183.00	89.46	90.53	6093.64	-113.70	2442.55	2443.85	3.05	36	34	49.611	107	51	44.139	
8214.00	89.60	90.43	6093.89	-113.96	2473.55	2474.84	0.55	36	34	49.608	107	51	43.759	
8244.00	89.76	90.27	6094.06	-114.14	2503.55	2504.84	0.75	36	34	49.606	107	51	43.391	
8274.00	90.67	89.73	6093.95	-114.14	2533.55	2534.84	3.53	36	34	49.606	107	51	43.023	
8304.00	91.31	89.20	6093.43	-113.86	2563.54	2564.83	2.77	36	34	49.609	107	51	42.655	
8335.00	92.22	88.95	6092.47	-113.36	2594.52	2595.80	3.04	36	34	49.614	107	51	42.276	
8365.00	92.66	88.61	6091.19	-112.72	2624.49	2625.75	1.85	36	34	49.620	107	51	41.908	
8396.00	93.62	88.66	6089.50	-111.99	2655.43	2656.69	3.10	36	34	49.627	107	51	41.529	
8427.00	93.69	88.21	6087.52	-111.14	2686.36	2687.60	1.47	36	34	49.636	107	51	41.150	
8457.00	94.22	88.02	6085.45	-110.16	2716.27	2717.49	1.88	36	34	49.645	107	51	40.783	
8488.00	94.64	88.77	6083.06	-109.29	2747.17	2748.37	2.77	36	34	49.654	107	51	40.404	
8518.00	95.20	88.76	6080.48	-108.65	2777.05	2778.25	1.87	36	34	49.660	107	51	40.038	
8549.00	94.90	88.83	6077.76	-108.00	2807.92	2809.11	0.99	36	34	49.667	107	51	39.659	
8580.00	94.87	88.83	6075.12	-107.37	2838.80	2839.98	0.10	36	34	49.673	107	51	39.280	
8610.00	94.61	88.87	6072.64	-106.77	2868.69	2869.86	0.88	36	34	49.679	107	51	38.914	
8641.00	94.92	88.62	6070.06	-106.09	2899.58	2900.73	1.28	36	34	49.685	107	51	38.535	
8671.00	94.43	88.60	6067.62	-105.37	2929.47	2930.61	1.63	36	34	49.693	107	51	38.169	
8702.00	93.82	88.57	6065.39	-104.60	2960.38	2961.51	1.97	36	34	49.700	107	51	37.790	
8733.00	93.54	88.73	6063.40	-103.87	2991.31	2992.42	1.04	36	34	49.707	107	51	37.410	
8763.00	93.19	89.26	6061.64	-103.35	3021.25	3022.36	2.11	36	34	49.712	107	51	37.043	
8794.00	92.69	89.87	6060.05	-103.11	3052.21	3053.31	2.54	36	34	49.715	107	51	36.664	
8824.00	92.15	89.92	6058.78	-103.06	3082.18	3083.28	1.81	36	34	49.715	107	51	36.296	
8855.00	91.49	89.85	6057.79	-103.00	3113.17	3114.26	2.14	36	34	49.716	107	51	35.916	
8885.00	90.23	89.82	6057.34	-102.91	3143.16	3144.25	4.20	36	34	49.717	107	51	35.549	
8916.00	90.33	89.42	6057.19	-102.70	3174.16	3175.24	1.33	36	34	49.719	107	51	35.168	
8947.00	90.26	89.29	6057.03	-102.36	3205.16	3206.23	0.48	36	34	49.722	107	51	34.788	
8978.00	90.45	88.88	6056.84	-101.86	3236.15	3237.22	1.46	36	34	49.727	107	51	34.408	
9009.00	90.30	88.75	6056.64	-101.22	3267.15	3268.20	0.64	36	34	49.733	107	51	34.028	
9040.00	90.77	88.71	6056.35	-100.53	3298.14	3299.18	1.52	36	34	49.740	107	51	33.648	
9071.00	91.15	88.64	6055.83	-99.82	3329.13	3330.16	1.25	36	34	49.747	107	51	33.268	
9101.00	91.12	88.43	6055.23	-99.05	3359.11	3360.13	0.71	36	34	49.755	107	51	32.901	
9132.00	91.22	87.97	6054.60	-98.07	3390.09	3391.09	1.52	36	34	49.764	107	51	32.521	
9162.00	90.80	88.15	6054.07	-97.06	3420.07	3421.05	1.52	36	34	49.774	107	51	32.153	
9223.00	91.21	87.84	6053.00	-94.93	3481.02	3481.97	0.84	36	34	49.795	107	51	31.406	
9253.00	91.40	87.63	6052.32	-93.74	3510.99	3511.92	0.94	36	34	49.807	107	51	31.038	
9284.00	91.40	87.45	6051.56	-92.41	3541.95	3542.86	0.58	36	34	49.820	107	51	30.659	
9314.00	91.36	87.47	6050.84	-91.08	3571.91	3572.81	0.15	36	34	49.833	107	51	30.291	



Weatherford

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO Date: 5/13/2013 Time: 05:06:54 Page: 4
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Well: Martin Gas Com F #1, True North
Site: Martin Gas Com F #1 Vertical (TVD) Reference: SITE 6399.0
Well: Martin Gas Com F #1 Section (VS) Reference: Well (0.00N,0.00E,90.76Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat	Min	Sec	Long	Min	Sec	Comments
9345.00	91.49	87.73	6050.07	-89.78	3602.87	3603.75	0.94	36	34	49.846	107	51	29.912	
9376.00	91.56	87.59	6049.24	-88.52	3633.84	3634.69	0.50	36	34	49.858	107	51	29.532	
9406.00	91.08	87.88	6048.55	-87.33	3663.81	3664.64	1.87	36	34	49.870	107	51	29.165	
9437.00	91.05	88.31	6047.98	-86.30	3694.78	3695.60	1.39	36	34	49.880	107	51	28.785	
9468.00	90.89	88.68	6047.45	-85.49	3725.77	3726.58	1.30	36	34	49.888	107	51	28.405	
9498.00	90.98	88.55	6046.96	-84.76	3755.76	3756.55	0.53	36	34	49.895	107	51	28.037	
9530.00	91.19	88.34	6046.36	-83.90	3787.74	3788.52	0.93	36	34	49.904	107	51	27.645	
9562.00	91.28	88.67	6045.67	-83.06	3819.72	3820.49	1.07	36	34	49.912	107	51	27.253	
9593.00	90.96	88.62	6045.06	-82.33	3850.71	3851.46	1.04	36	34	49.919	107	51	26.873	
9625.00	90.93	88.81	6044.53	-81.61	3882.69	3883.43	0.60	36	34	49.926	107	51	26.481	
9657.00	90.94	89.02	6044.01	-81.00	3914.68	3915.41	0.66	36	34	49.932	107	51	26.089	
9689.00	91.14	88.87	6043.43	-80.42	3946.67	3947.39	0.78	36	34	49.938	107	51	25.696	
9720.00	91.01	89.38	6042.85	-79.94	3977.66	3978.37	1.70	36	34	49.943	107	51	25.316	
9752.00	91.03	89.04	6042.28	-79.50	4009.66	4010.36	1.06	36	34	49.947	107	51	24.924	
9784.00	91.33	88.71	6041.62	-78.87	4041.64	4042.33	1.39	36	34	49.953	107	51	24.532	
9816.00	91.43	88.88	6040.85	-78.20	4073.63	4074.30	0.62	36	34	49.960	107	51	24.140	
9847.00	91.64	89.50	6040.02	-77.76	4104.61	4105.28	2.11	36	34	49.964	107	51	23.760	
9879.00	91.24	90.52	6039.21	-77.77	4136.60	4137.27	3.42	36	34	49.964	107	51	23.368	
9911.00	91.24	90.82	6038.52	-78.14	4168.59	4169.26	0.94	36	34	49.960	107	51	22.975	
9943.00	90.26	91.34	6038.10	-78.74	4200.58	4201.26	3.47	36	34	49.954	107	51	22.583	
9974.00	89.25	91.40	6038.24	-79.49	4231.57	4232.25	3.26	36	34	49.947	107	51	22.203	
10006.00	88.58	91.29	6038.84	-80.24	4263.56	4264.25	2.12	36	34	49.939	107	51	21.811	
10038.00	88.81	91.05	6039.57	-80.89	4295.54	4296.24	1.04	36	34	49.933	107	51	21.419	
10069.00	89.13	90.28	6040.13	-81.25	4326.54	4327.23	2.69	36	34	49.929	107	51	21.039	
10101.00	89.32	89.85	6040.56	-81.29	4358.53	4359.23	1.47	36	34	49.929	107	51	20.646	
10133.00	89.46	89.19	6040.90	-81.02	4390.53	4391.22	2.11	36	34	49.931	107	51	20.254	
10165.00	89.37	90.00	6041.23	-80.79	4422.53	4423.21	2.55	36	34	49.934	107	51	19.862	
10197.00	89.56	92.12	6041.53	-81.38	4454.52	4455.21	6.65	36	34	49.928	107	51	19.469	
10228.00	89.35	92.27	6041.82	-82.57	4485.49	4486.19	0.83	36	34	49.916	107	51	19.090	
10260.00	89.25	92.61	6042.21	-83.93	4517.46	4518.18	1.11	36	34	49.902	107	51	18.698	
10291.00	88.86	93.26	6042.72	-85.52	4548.42	4549.15	2.44	36	34	49.887	107	51	18.318	
10323.00	88.85	93.31	6043.36	-87.35	4580.36	4581.11	0.16	36	34	49.868	107	51	17.927	
10355.00	88.51	93.74	6044.10	-89.32	4612.29	4613.07	1.71	36	34	49.849	107	51	17.535	
10386.00	90.14	95.59	6044.47	-91.84	4643.18	4643.99	7.95	36	34	49.824	107	51	17.156	
10418.00	89.46	95.03	6044.58	-94.80	4675.04	4675.89	2.75	36	34	49.795	107	51	16.766	
10450.00	89.95	94.57	6044.74	-97.48	4706.93	4707.81	2.10	36	34	49.768	107	51	16.375	
10482.00	89.63	94.15	6044.86	-99.91	4738.84	4739.75	1.65	36	34	49.744	107	51	15.983	
10546.00	89.95	94.66	6045.09	-104.83	4802.65	4803.62	0.94	36	34	49.695	107	51	15.201	
10577.00	90.66	95.44	6044.93	-107.56	4833.53	4834.53	3.40	36	34	49.668	107	51	14.822	
10609.00	90.98	95.44	6044.47	-110.59	4865.38	4866.42	1.00	36	34	49.638	107	51	14.432	
10672.00	91.49	95.02	6043.11	-116.33	4928.10	4929.21	1.05	36	34	49.581	107	51	13.663	
10734.00	92.36	95.13	6041.03	-121.81	4989.82	4991.00	1.41	36	34	49.527	107	51	12.906	
10766.00	92.29	95.21	6039.73	-124.69	5021.67	5022.88	0.33	36	34	49.498	107	51	12.516	
10798.00	91.24	95.10	6038.75	-127.57	5053.52	5054.77	3.30	36	34	49.470	107	51	12.125	
10829.00	91.28	94.54	6038.07	-130.17	5084.41	5085.68	1.81	36	34	49.444	107	51	11.746	
10861.00	91.49	94.41	6037.29	-132.67	5116.30	5117.61	0.77	36	34	49.419	107	51	11.355	
10893.00	91.43	94.00	6036.48	-135.01	5148.20	5149.54	1.29	36	34	49.396	107	51	10.964	
10925.00	91.63	93.91	6035.62	-137.22	5180.11	5181.48	0.69	36	34	49.374	107	51	10.573	
10957.00	91.84	93.79	6034.65	-139.37	5212.03	5213.42	0.76	36	34	49.353	107	51	10.182	
10988.00	92.22	93.68	6033.56	-141.39	5242.94	5244.36	1.28	36	34	49.333	107	51	9.802	
11020.00	92.19	93.06	6032.32	-143.27	5274.86	5276.30	1.94	36	34	49.314	107	51	9.411	
11052.00	92.26	93.00	6031.08	-144.96	5306.79	5308.25	0.29	36	34	49.298	107	51	9.020	



Weatherford

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO
Field: San Juan, NM (NAD 83)
Site: Martin Gas Com F #1
Well: Martin Gas Com F #1
Wellpath: 1

Date: 5/13/2013 Time: 05:06:54 Page: 5
Co-ordinate(NE) Reference: Well: Martin Gas Com F #1, True North
Vertical (TVD) Reference: SITE 6399.0
Section (VS) Reference: Well (0.00N,0.00E,90.76Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat	Min	Sec	Long	Min	Sec	Comments
11084.00	92.26	92.63	6029.82	-146.53	5338.73	5340.20	1.16	36	34	49.282	107	51	8.628	
11115.00	91.38	92.04	6028.83	-147.79	5369.69	5371.18	3.42	36	34	49.269	107	51	8.248	
11147.00	91.15	91.90	6028.13	-148.89	5401.66	5403.16	0.84	36	34	49.259	107	51	7.856	
11178.00	91.64	91.74	6027.37	-149.87	5432.64	5434.15	1.66	36	34	49.249	107	51	7.477	
11210.00	91.85	90.92	6026.40	-150.62	5464.61	5466.13	2.64	36	34	49.241	107	51	7.084	
11242.00	91.99	90.80	6025.33	-151.10	5496.59	5498.11	0.58	36	34	49.237	107	51	6.692	
11306.00	92.27	91.40	6022.95	-152.32	5560.54	5562.07	1.03	36	34	49.224	107	51	5.908	
11337.00	92.08	91.43	6021.77	-153.09	5591.50	5593.04	0.62	36	34	49.217	107	51	5.529	
11369.00	91.08	91.48	6020.89	-153.90	5623.48	5625.03	3.13	36	34	49.209	107	51	5.137	
11401.00	91.54	91.57	6020.16	-154.75	5655.46	5657.02	1.46	36	34	49.200	107	51	4.744	
11433.00	90.98	91.86	6019.45	-155.71	5687.44	5689.00	1.97	36	34	49.191	107	51	4.352	
11496.00	91.26	91.28	6018.22	-157.43	5750.40	5751.99	1.02	36	34	49.173	107	51	3.580	
11528.00	91.52	91.32	6017.45	-158.16	5782.39	5783.97	0.82	36	34	49.166	107	51	3.188	
11560.00	91.78	91.25	6016.53	-158.88	5814.36	5815.96	0.84	36	34	49.159	107	51	2.796	
11592.00	92.24	91.07	6015.40	-159.53	5846.34	5847.94	1.54	36	34	49.152	107	51	2.404	
11624.00	92.43	90.86	6014.10	-160.06	5878.31	5879.91	0.88	36	34	49.147	107	51	2.012	
11655.00	91.47	91.35	6013.04	-160.66	5909.28	5910.89	3.48	36	34	49.141	107	51	1.632	
11687.00	90.98	91.68	6012.36	-161.51	5941.26	5942.88	1.85	36	34	49.133	107	51	1.240	
11718.00	89.23	92.07	6012.30	-162.52	5972.25	5973.88	5.78	36	34	49.123	107	51	0.860	
11750.00	89.46	92.19	6012.67	-163.71	6004.22	6005.86	0.81	36	34	49.111	107	51	0.468	
11813.00	90.87	92.44	6012.49	-166.26	6067.17	6068.84	2.27	36	34	49.085	107	50	59.696	
11845.00	91.59	92.57	6011.80	-167.65	6099.13	6100.82	2.29	36	34	49.072	107	50	59.305	
11877.00	91.80	92.32	6010.85	-169.02	6131.09	6132.79	1.02	36	34	49.058	107	50	58.913	Last Wft Svy
11950.00	91.80	92.32	6008.56	-171.97	6203.99	6205.73	0.00	36	34	49.029	107	50	58.019	Proj. To Bit

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
500.03	500.00	9.625	12.250	9 5/8"
6675.00	6127.42	7.000	8.750	7"
12002.88	0.00	4.500	6.125	4 1/2"

Annotation

MD ft	TVD ft	
5077.00	5076.61	Last Gyro
5094.00	5093.61	First Wft Svy
11877.00	6010.85	Last Wft Svy
11950.00	6008.56	Proj. To Bit