DISTRICT I
1625 N French Dr, Hobbs, NM 88240
DISTRICT II
1301 W Grand Avenue, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

"AS DRILLED"

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-35033	71629	FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
38005	ARBOR	21H

[7] OGRID No	[8] Operator Name	[9] Elevation
5380	XTO ENERGY, INC.	6591

[10] Surface Location

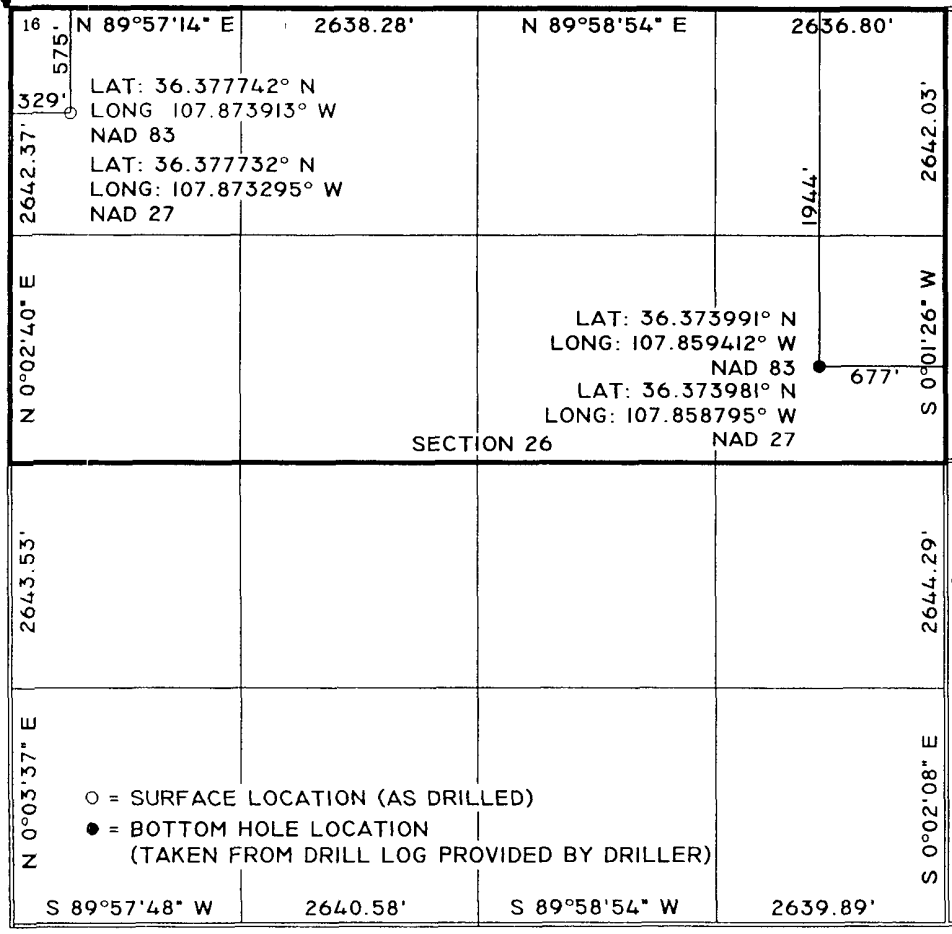
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	25 N	10 W		575	NORTH	329	WEST	SAN JUAN

[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
H	26	25 N	10 W		1940	NORTH	677	EAST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
N/2, 320 AC±			

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



[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.

Teena M. Whiting 3/3/10
Signature Date

Teena M. Whiting
Printed Name

[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.

3/01/10
Date of Survey

Signature and Seal of Professional Surveyor:

MARSHALL W. LINDEEN
NEW MEXICO
3/2-10
17078
LICENSED PROFESSIONAL SURVEYOR

17078
Certificate Number

XTO ENERGY

Arbor #21
San Juan Co., New Mexico

Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	763.00	6.50	101.45	762 71	-1.08	5 71	0.00	0.00	5.77	
2	823.00	6 50	101.45	822.33	-2.43	12 37	0.00	0.00	12.52	
3	2155 72	89 74	108.05	1636.00	-273.34	877 92	6 25	6 65	919 44	
4	5697.85	89.74	108 05	1652 00	-1370.87	4245 69	0.00	0.00	4461 52	Pbhl p2

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#21	0.00	0 00	1956806.32	2711152 19	36°22'39 870N	107°52'26.080W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Pbhl p2	1652 00	-1370.87	4245.69	36°22'26.310N	107°51'34.160W	Point

Section 23

FIELD DETAILS

San Juan, NM (NAD 83)

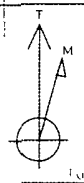
Geodetic System	US State Plane Coordinate System 1983
Ellipsoid	GRS 1980
Zone	New Mexico, Western Zone
Magnetic Model	IGRF2010
System Datum	Mean Sea Level
Local North	True North

SITE DETAILS

Arbor #21
575' FNL 330' FWL of Sec 26, T25N, R10W

Site Centre Latitude 36°22'39 870N
Longitude 107°52'26 080W

Ground Level 6591 00
Positional Uncertainty 0.00
Convergence -0 02

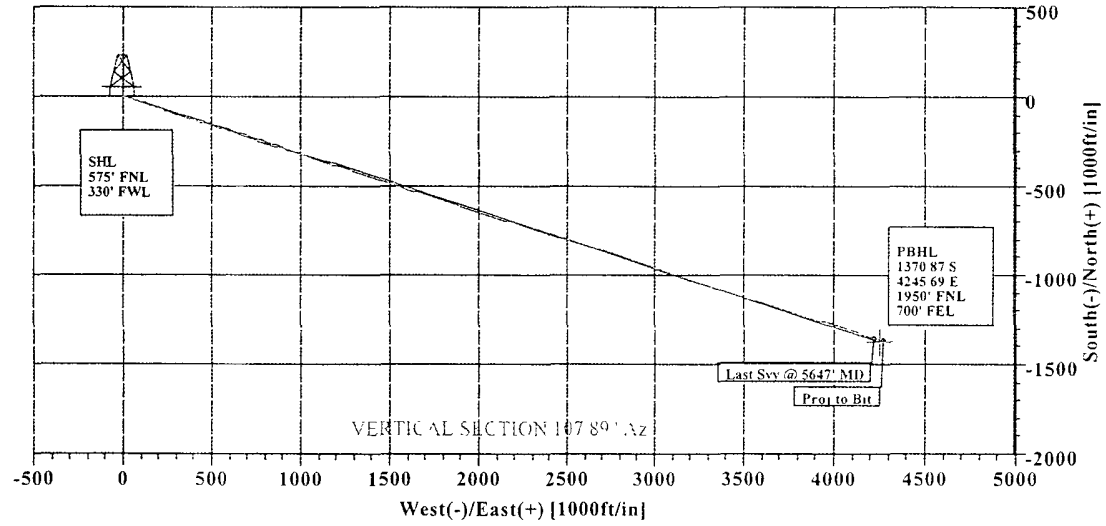


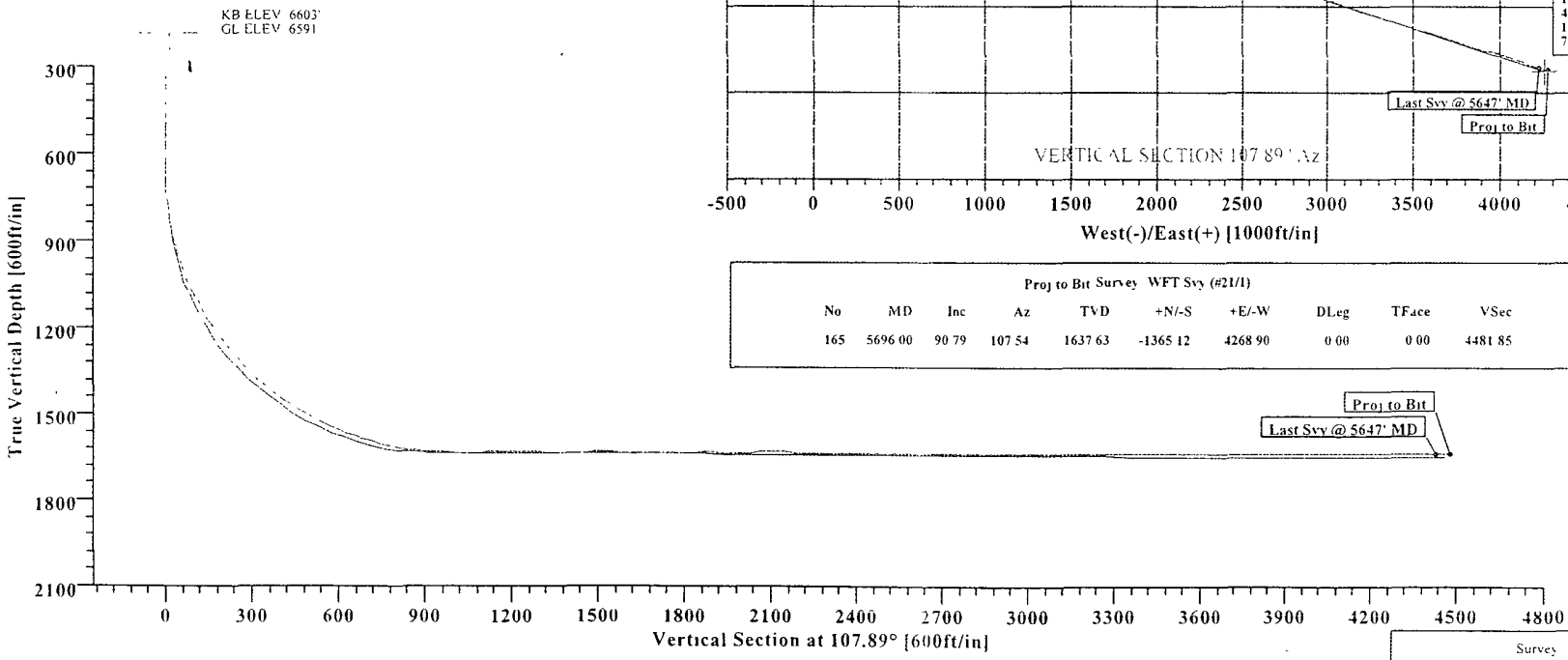
Azimuths to True North
Magnetic North 10 07°

Magnetic Field
Strength 50700nT
Dip Angle 63 16°
Date 1/14/2010
Model IGRF2010

LEGEND

#21,1,Plan #2
WFT Svy





Proj to Bit Survey WFT Svy (#21/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
165	5696 00	90 79	107 54	1637 63	-1365 12	4268 90	0 00	0 00	4481 85

Survey WFT Svy (#21/1)

Created By Lindsey Maddux Date 2/18/2010

XTO ENERGY

Weatherford International, Inc.

Survey Report

Weatherford

Company:	XTO	**Date:** 2/18/2010	**Time:** 10 58 54	**Page:**	1
Field:	San Juan, NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well #21, True North		
Site:	Arbor #21	**Vertical (TVD) Reference:**	SITE 6603 0		
Well:	#21	**Section (VS) Reference:**	Well (0 00N,0 00E,107 89Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: San Juan, NM (NAD 83)

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	New Mexico, Western Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Well Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	IGRF2010

Site: Arbor #21

575' FNL 330' FWL of Sec 26, T25N, R10W

Site Position:		**Northing:**	1956806 32 ft	**Latitude:**	36 22 39 870 N
From:	Geographic	**Easting:**	2711152 19 ft	**Longitude:**	107 52 26 080 W
Position Uncertainty:	0 00 ft			**North Reference:**	True
Ground Level:	6591 00 ft			**Grid Convergence:**	-0 02 deg

Well: #21 **Slot Name:**

Well Position:	+N/-S	0 00 ft	**Northing:**	1956806 32 ft	**Latitude:**	36 22 39 870 N
	+E/-W	0 00 ft	**Easting:**	2711152 19 ft	**Longitude:**	107 52 26 080 W
Position Uncertainty:		0 00 ft				

Wellpath: 1

				Drilled From:	Surface
				Tie-on Depth:	0 00 ft
Current Datum:	SITE	**Height**	6603 00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	1/14/2010			**Declination:**	10 07 deg
Field Strength:	50700 nT			**Mag Dip Angle:**	63 16 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0 00	0 00	0 00	107 89

Survey	WFT Svy	**Start Date:**	2/11/2010
Company:	Weatherford International, Inc	**Engineer:**	Lindsey Maddux
Tool:	MWD,MWD - Standard	**Tied-to:**	From Surface

Survey: WFT Svy

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	MWD
385 00	0 31	294 52	385 00	0 43	-0 95	-1 03	0 08	0 08	0 00	MWD
607 00	0 11	287 57	607 00	0 75	-1 70	-1 84	0 09	-0 09	-3 13	MWD
638 00	0 59	109 34	638 00	0 70	-1 57	-1 71	2 26	1 55	-574 94	MWD
669 00	1 98	104 92	668 99	0 51	-0 91	-1 02	4 49	4 48	-14 26	MWD
700 00	3 24	107 35	699 95	0 11	0 45	0 39	4 08	4 06	7 84	MWD
732 00	5 00	102 07	731 87	-0 45	2 67	2 68	5 62	5 50	-16 50	MWD
763 00	6 50	101 45	762 71	-1 08	5 71	5 77	4 84	4 84	-2 00	MWD
795 00	8 00	102 20	794 46	-1 91	9 67	9 79	4 70	4 69	2 34	MWD
827 00	9 56	103 32	826 08	-2 99	14 43	14 65	4 90	4 87	3 50	MWD
859 00	11 44	105 07	857 54	-4 43	20 08	20 47	5 96	5 87	5 47	MWD
890 00	13 44	104 32	887 81	-6 12	26 54	27 14	6 47	6 45	-2 42	MWD
922 00	15 50	103 57	918 80	-8 04	34 30	35 11	6 46	6 44	-2 34	MWD
953 00	17 69	105 20	948 51	-10 25	42 87	43 95	7 22	7 06	5 26	MWD
985 00	19 81	107 81	978 81	-13 19	52 73	54 23	7 12	6 62	8 16	MWD
1015 00	21 81	110 07	1006 85	-16 65	62 80	64 88	7 18	6 67	7 53	MWD
1045 00	23 44	110 87	1034 54	-20 69	73 62	76 41	5 53	5 43	2 67	MWD
1075 00	25 42	110 59	1061 85	-25 08	85 22	88 80	6 61	6 60	-0 93	MWD
1105 00	27 19	110 20	1088 74	-29 71	97 68	102 08	5 93	5 90	-1 30	MWD
1135 00	28 56	109 07	1115 26	-34 42	110 89	116 10	4 89	4 57	-3 77	MWD
1166 00	30 13	107 57	1142 28	-39 19	125 31	131 29	5 59	5 06	-4 84	MWD
1196 00	31 56	106 45	1168 04	-43 69	140.02	146 67	5 14	4 77	-3 73	MWD
1226 00	33 50	106 45	1193 33	-48 26	155 49	162 80	6 47	6 47	0 00	MWD
1257 00	35 20	107 98	1218 93	-53 44	172 20	180 29	6 15	5 48	4 94	MWD

Weatherford International, Inc.

Survey Report

Company:	XTO	**Date:** 2/18/2010	**Time:** 10 58.54	**Page:**	2
Field:	San Juan, NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well #21, True North		
Site:	Arbor #21	**Vertical (TVD) Reference:**	SITE 6603 0		
Well:	#21	**Section (VS) Reference:**	Well (0 00N,0 00E,107 89Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey: WFT Svy

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1287 00	36 81	108 57	1243 19	-58 97	188 94	197 92	5 49	5 37	1 97	MWD
1317 00	38 31	109 45	1266 97	-64 93	206 23	216 21	5 31	5 00	2 93	MWD
1347 00	39 81	109 82	1290 27	-71 28	224 04	235 10	5 06	5 00	1 23	MWD
1378 00	42 13	110 32	1313 67	-78 26	243 12	255 41	7 56	7 48	1 61	MWD
1409 00	44 31	109 95	1336 26	-85 56	263 06	276 62	7 08	7 03	-1 19	MWD
1440 00	45 75	109 82	1358 17	-93 02	283 68	298 54	4.65	4 65	-0 42	MWD
1470.00	47 12	109 64	1378 85	-100 36	304 14	320 26	4 59	4 57	-0 60	MWD
1501 00	49 00	108 45	1399 56	-107 88	325 94	343 32	6 70	6 06	-3 84	MWD
1530 00	51.31	107 45	1418 14	-114 74	347 12	365 58	8.39	7 97	-3 45	MWD
1560 00	53 25	106 82	1436 50	-121.73	369 79	389 31	6.68	6 47	-2 10	MWD
1590 00	55 25	106 45	1454 02	-128 70	393 12	413 65	6 74	6 67	-1 23	MWD
1620 00	57 13	106 45	1470 72	-135 76	417 03	438 57	6 27	6.27	0 00	MWD
1650 00	58 72	106 35	1486 65	-142 93	441 41	463 98	5 31	5 30	-0 33	MWD
1680 00	60 50	106 07	1501 82	-150 16	466 26	489 84	5 99	5 93	-0 93	MWD
1711 00	62 63	106 32	1516 58	-157 76	492 44	517 09	6 91	6 87	0.81	MWD
1741.00	64 31	106 82	1529 98	-165 42	518 16	543 92	5 80	5 60	1 67	MWD
1771 00	65 63	107 32	1542 68	-173 40	544 15	571 10	4 65	4 40	1.67	MWD
1801 00	67 19	107 82	1554 68	-181 69	570 36	598 59	5 42	5 20	1 67	MWD
1831 00	68 88	108 70	1565 90	-190 41	596.78	626 41	6 26	5 63	2 93	MWD
1860 00	70 44	108 82	1575 98	-199 16	622 52	653 60	5 39	5 38	0 41	MWD
1890 00	72 00	108 95	1585 64	-208 35	649 39	682 00	5 22	5 20	0 43	MWD
1921 00	73 56	108 95	1594 82	-217 97	677 40	711 60	5 03	5 03	0 00	MWD
1953 00	74 99	108 81	1603 49	-227 93	706 54	742 40	4 49	4 47	-0 44	MWD
1985 00	76 81	108 82	1611 28	-237 94	735 92	773 43	5 69	5 69	0 03	MWD
2016 00	79.50	108 70	1617 65	-247 70	764 65	803 76	8 69	8 68	-0 39	MWD
2048 00	82 13	107 95	1622 75	-257 63	794 63	835 35	8 54	8 22	-2 34	MWD
2079 00	83.19	107 70	1626 71	-267 04	823 90	866 10	3 51	3 42	-0 81	MWD
2111 00	84 81	107 57	1630 06	-276 68	854 23	897 92	5 08	5 06	-0 41	MWD
2143 00	86 88	107 20	1632 38	-286 22	884 68	929 83	6 57	6 47	-1 16	MWD
2175 00	87 98	107 22	1633 81	-295 68	915 22	961 80	3 44	3 44	0 06	MWD
2185 00	88 00	106 92	1634 16	-298 61	924 77	971 79	3 00	0 20	-3 00	MWD
2212 00	88 61	106 77	1634 96	-306 43	950 60	998 77	2 33	2 26	-0 56	MWD
2241 00	89 25	105 95	1635 50	-314 60	978 42	1027 76	3 59	2 21	-2 83	MWD
2272 00	90 75	106 82	1635 50	-323 34	1008 16	1058 75	5 59	4 84	2 81	MWD
2302 00	92 38	106 96	1634 68	-332 05	1036 86	1088 73	5 45	5 43	0 47	MWD
2332 00	91 63	107 82	1633 63	-341 01	1065 47	1118 71	3 80	-2 50	2 87	MWD
2363 00	91 25	108 82	1632 86	-350 76	1094 89	1149 70	3 45	-1 23	3 23	MWD
2394 00	90 19	108 57	1632 47	-360 69	1124 25	1180 69	3 51	-3 42	-0 81	MWD
2424 00	88 19	109 07	1632 89	-370 37	1152 64	1210 68	6 87	-6 67	1 67	MWD
2454 00	88 69	109 45	1633 71	-380 26	1180 95	1240 66	2 09	1 67	1 27	MWD
2483 00	89 50	109 57	1634 16	-389 94	1208 28	1269 65	2 82	2 79	0 41	MWD
2513 00	90 25	109 57	1634 23	-399 99	1236 55	1299 63	2 50	2 50	0 00	MWD
2544 00	88 75	109 07	1634 50	-410 25	1265 80	1330 62	5 10	-4 84	-1 61	MWD
2575 00	89 31	108 57	1635 03	-420 25	1295 14	1361 61	2 42	1 81	-1 61	MWD
2607 00	90 31	108 32	1635 13	-430 37	1325 50	1393 61	3 22	3 12	-0 78	MWD
2638 00	91 26	108 26	1634 71	-440 10	1354 93	1424 61	3 07	3 06	-0 19	MWD
2670 00	89 81	107 95	1634 41	-450 04	1385 34	1456 61	4 63	-4 53	-0 97	MWD
2703 00	90 38	107 70	1634 35	-460 14	1416 76	1489 60	1 89	1 73	-0 76	MWD
2735 00	91 00	107 57	1633 97	-469 84	1447 25	1521 60	1 98	1 94	-0 41	MWD
2766 00	89 25	107 45	1633 90	-479 16	1476 81	1552 60	5 66	-5 65	-0 39	MWD
2798 00	87 81	107 32	1634 72	-488 72	1507 34	1584 59	4 52	-4 50	-0 41	MWD
2830 00	88 38	107 19	1635 79	-498 21	1537 88	1616 57	1 83	1 78	-0 41	MWD
2862 00	89 21	107 37	1636 46	-507 71	1568 43	1648 56	2 65	2 59	0 56	MWD

Weatherford International, Inc.

Survey Report

Company:	XTO	**Date:** 2/18/2010	**Time:** 10 58:54	**Page:**	3
Field:	San Juan, NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well. #21, True North		
Site:	Arbor #21	**Vertical (TVD) Reference:**	SITE 6603 0		
Well:	#21	**Section (VS) Reference:**	Well (0 00N,0 00E,107 89Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey: WFT Svy

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2893 00	89 94	107 45	1636 69	-516 99	1598 01	1679 56	2 37	2 35	0 26	MWD
2925 00	90 69	107 57	1636 51	-526 61	1628 53	1711 55	2 37	2 34	0 37	MWD
2956 00	91 38	107 57	1635 95	-535 97	1658 08	1742 55	2 23	2 23	0 00	MWD
2988 00	90 38	107 57	1635 46	-545 63	1688 58	1774 54	3 12	-3 12	0 00	MWD
3020 00	91 19	107 82	1635 02	-555 35	1719 06	1806 54	2 65	2 53	0 78	MWD
3052 00	90 38	108 20	1634 58	-565 25	1749 49	1838 54	2 80	-2 53	1 19	MWD
3084 00	90 88	108 70	1634 23	-575 37	1779 84	1870 53	2 21	1 56	1 56	MWD
3116 00	88 81	108 07	1634 32	-585 47	1810 21	1902 53	6.76	-6 47	-1 97	MWD
3147 00	89.25	108 07	1634 84	-595 08	1839 67	1933 53	1 42	1 42	0.00	MWD
3179 00	89 88	108 20	1635 09	-605 04	1870 08	1965 52	2 01	1 97	0 41	MWD
3210 00	90 62	108 23	1634 95	-614 73	1899 53	1996 52	2 39	2 39	0 10	MWD
3242 00	91 38	108 19	1634 39	-624 73	1929 92	2028 52	2 38	2 37	-0 12	MWD
3274 00	90 56	108 19	1633 85	-634 72	1960 32	2060 51	2 56	-2 56	0 00	MWD
3306 00	91 06	108 07	1633 40	-644 67	1990 73	2092 51	1 61	1 56	-0 37	MWD
3337 00	89.81	107 70	1633 16	-654 19	2020 23	2123 51	4 21	-4 03	-1 19	MWD
3369 00	88.06	107 82	1633 76	-663 95	2050 70	2155 50	5 48	-5 47	0 37	MWD
3401 00	88 44	107 82	1634 74	-673 74	2081 15	2187 49	1 19	1 19	0 00	MWD
3433 00	87 75	107 57	1635 80	-683 46	2111 62	2219 47	2 29	-2 16	-0 78	MWD
3465 00	88 19	107 45	1636 93	-693 08	2142 11	2251 45	1 43	1 37	-0 37	MWD
3497 00	89 19	107 45	1637 66	-702 68	2172 63	2283 44	3.12	3 12	0 00	MWD
3529 00	89.75	107 20	1637 96	-712 20	2203 18	2315 43	1 92	1 75	-0 78	MWD
3561 00	90 46	107 32	1637 90	-721 70	2233 74	2347 43	2 25	2 22	0 37	MWD
3592 00	90 94	107 32	1637 52	-730 93	2263 33	2378 43	1 55	1 55	0 00	MWD
3625 00	91 25	107 32	1636 89	-740 75	2294 83	2411 42	0 94	0.94	0 00	MWD
3657 00	89 75	107 20	1636 61	-750 24	2325 39	2443 42	4 70	-4 69	-0 37	MWD
3689 00	89 75	106 95	1636 75	-759 64	2355 97	2475 41	0 78	0 00	-0 78	MWD
3721 00	90 25	106 57	1636 75	-768 87	2386 61	2507 41	1.96	1.56	-1 19	MWD
3753 00	90 56	106 42	1636 53	-777 95	2417 30	2539 40	1 08	0 97	-0 47	MWD
3788 00	89.25	106 32	1636 58	-787 82	2450 88	2574 38	3 75	-3.74	-0 29	MWD
3819 00	89 38	106 20	1636 95	-796 50	2480 64	2605 37	0 57	0.42	-0 39	MWD
3850 00	89 88	106 07	1637 15	-805 11	2510 41	2636 35	1 67	1 61	-0 42	MWD
3882 00	90 13	105 82	1637 15	-813 90	2541 18	2668 33	1 10	0 78	-0 78	MWD
3912 00	90 69	105 70	1636 94	-822 05	2570 05	2698 31	1 91	1 87	-0 40	MWD
3945 00	90 94	107 07	1636 47	-831 36	2601 71	2731 30	4 22	0 76	4 15	MWD
3977 00	91 25	107 07	1635 86	-840 75	2632 29	2763 29	0 97	0 97	0 00	MWD
4009 00	90 75	106 82	1635 30	-850 07	2662 90	2795 28	1 75	-1 56	-0 78	MWD
4040 00	91 00	106 82	1634 82	-859 04	2692 57	2826 27	0 81	0 81	0 00	MWD
4072 00	89 56	107 07	1634 67	-868 37	2723 18	2858 26	4 57	-4 50	0 78	MWD
4105 00	89 44	107 07	1634 96	-878 06	2754 72	2891 26	0 36	-0 36	0 00	MWD
4136 00	88.63	107 32	1635 48	-887 22	2784 33	2922 25	2 73	-2 61	0 81	MWD
4168 00	88.69	107 70	1636 23	-896 84	2814 84	2954 24	1 20	0 19	1 19	MWD
4200 00	89 13	107 95	1636 84	-906 64	2845 30	2986 24	1 58	1 37	0 78	MWD
4233 00	90 25	108 45	1637 01	-916 95	2876 65	3019 24	3 72	3 39	1 52	MWD
4265 00	90.82	108 86	1636 72	-927 18	2906 97	3051 23	2 19	1 78	1 28	MWD
4297 00	91 44	109 32	1636 08	-937 64	2937 20	3083 22	2 41	1 94	1 44	MWD
4329 00	90 75	110 20	1635 47	-948 46	2967 31	3115 19	3 49	-2 16	2 75	MWD
4361 00	91 06	110 32	1634 97	-959 54	2997 33	3147 16	1 04	0 97	0 37	MWD
4393 00	89 56	110 32	1634 79	-970 65	3027 33	3179 13	4 69	-4 69	0 00	MWD
4425 00	88 19	109 45	1635 42	-981 53	3057 42	3211 11	5 07	-4 28	-2 72	MWD
4458 00	88 00	108 57	1636 52	-992 28	3088 60	3244 08	2 73	-0 58	-2 67	MWD
4490 00	88 81	108 57	1637 41	-1002 46	3118 92	3276 07	2 53	2 53	0 00	MWD
4522 00	90 00	108 45	1637 74	-1012 62	3149 27	3308 06	3 74	3 72	-0 37	MWD
4554 00	90 56	108 07	1637 59	-1022 65	3179 66	3340 06	2 11	1 75	-1 19	MWD

Weatherford International, Inc.

Survey Report

Company:	XTO	**Date:** 2/18/2010	**Time:** 10 58 54	**Page:**	4
Field:	San Juan, NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well #21, True North		
Site:	Arbor #21	**Vertical (TVD) Reference:**	SITE 6603 0		
Well:	#21	**Section (VS) Reference:**	Well (0 00N,0 00E,107 89Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey: WFT Svy

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4586 00	91 19	108 20	1637 10	-1032 61	3210 06	3372 06	2 01	1 97	0 41	MWD
4618 00	91 38	108 07	1636 38	-1042 57	3240 46	3404 05	0 72	0 59	-0 41	MWD
4650 00	89 75	108 57	1636 06	-1052 62	3270 84	3436 04	5 33	-5 09	1 56	MWD
4682 00	89 75	108 32	1636 20	-1062 75	3301 20	3468 04	0 78	0 00	-0 78	MWD
4714 00	90 25	108 07	1636 20	-1072 74	3331 60	3500 04	1 75	1 56	-0 78	MWD
4746 00	89 00	108 32	1636 41	-1082 73	3361 99	3532 04	3 98	-3 91	0 78	MWD
4779 00	89 06	107 95	1636 97	-1093 00	3393 35	3565 03	1 14	0 18	-1 12	MWD
4811 00	89 25	107 82	1637 44	-1102.83	3423 80	3597 03	0.72	0 59	-0 41	MWD
4843 00	89 38	107 45	1637 83	-1112 52	3454 29	3629 03	1 23	0 41	-1 16	MWD
4875 00	89 75	107 32	1638 07	-1122 08	3484 83	3661 03	1 23	1 16	-0 41	MWD
4907 00	89 75	106 94	1638 21	-1131 51	3515 41	3693 02	1 19	0 00	-1 19	MWD
4940 00	90 13	106 70	1638 24	-1141 06	3547 00	3726 02	1 36	1 15	-0 73	MWD
4972 00	90 94	106 45	1637 94	-1150 18	3577 67	3758 01	2 65	2 53	-0 78	MWD
5004 00	90 56	106 95	1637 53	-1159 38	3608 32	3790 00	1 96	-1 19	1 56	MWD
5036 00	91 19	106 95	1637 04	-1168 71	3638 92	3821 99	1 97	1 97	0 00	MWD
5068 00	90 63	106 45	1636 53	-1177 90	3669 57	3853 98	2 35	-1 75	-1 56	MWD
5100 00	90 06	106 61	1636 34	-1187 01	3700 25	3885 97	1 85	-1 78	0 50	MWD
5133 00	90 75	106 45	1636 10	-1196 39	3731 88	3918 96	2 15	2 09	-0 48	MWD
5165 00	91 38	106 57	1635 51	-1205 49	3762 56	3950 94	2 00	1 97	0 37	MWD
5197 00	90 00	107 57	1635 12	-1214 88	3793 14	3982 94	5 33	-4 31	3 12	MWD
5229 00	88 94	108 45	1635 42	-1224 77	3823 57	4014 93	4 31	-3 31	2 75	MWD
5261 00	89 31	108 70	1635 91	-1234 96	3853 90	4046 93	1 40	1 16	0 78	MWD
5294 00	89 75	108 45	1636 18	-1245 48	3885 18	4079 92	1 53	1 33	-0 76	MWD
5326 00	89 19	108 32	1636 47	-1255 57	3915 55	4111 92	1 80	-1 75	-0 41	MWD
5358 00	89 81	108 20	1636 75	-1265 59	3945 93	4143 92	1 97	1 94	-0 37	MWD
5390 00	90 31	107 70	1636 72	-1275 46	3976 38	4175 92	2 21	1 56	-1 56	MWD
5422 00	89 75	107 20	1636 70	-1285 05	4006 90	4207 92	2.35	-1 75	-1 56	MWD
5454 00	88 38	106 95	1637 23	-1294 45	4037 49	4239 91	4 35	-4 28	-0 78	MWD
5486 00	88 76	106 65	1638 02	-1303 69	4068 11	4271 89	1 51	1 19	-0 94	MWD
5519 00	89 19	106 45	1638 61	-1313 09	4099 74	4304 88	1 44	1 30	-0 61	MWD
5551 00	89 50	106 82	1638 98	-1322 25	4130 40	4336 87	1 51	0 97	1 16	MWD
5583 00	90 13	106 82	1639 08	-1331 51	4161 03	4368 86	1 97	1 97	0 00	MWD
5615 00	90 94	107 07	1638 78	-1340 84	4191 64	4400 86	2 65	2 53	0 78	MWD
5647 00	90 79	107 54	1638 30	-1350 36	4222 19	4432 85	1 54	-0 47	1 47	Last Svy @ 5647' MD
5696 00	90 79	107 54	1637 63	-1365 12	4268 90	4481 85	0 00	0 00	0 00	Proj to Bit

Annotation

MD ft	TVD ft	
5647 00	1638 30	Last Svy @ 5647' MD
5696 00	1637 63	Proj to Bit