

"As Drilled"

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

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

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

DISTRICT IV
1220 South 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, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35302	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 38832	⁵ Property Name ML KING	⁶ Well Number 22H
⁷ OGRID No. 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6582'

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	20	25-N	10-W		2069	SOUTH	410	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
P	20	25-N	10-W		724	SOUTH	688	EAST	SAN JUAN

¹² Dedicated Acres 5/2,320 AC	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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 SURFACE: LAT: 36.38493° N. (NAD 83) LONG: 107.92739° W. (NAD 83) LAT: 36°23'05.71" N. (NAD 27) LONG: 107°55'36.36" W. (NAD 27) FD. 2 1/2" BC. 1932 GLO	"AS-DRILLED" BHL BHL FOOTAGES ARE "AS-DRILLED" AND PROVIDED BY XTO ENERGY INC. CLIENT	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. <i>[Signature]</i> Signature Date 1/30/12 LORRI BINGHAM Printed Name
410' N 0°00'13" W 2646.84' (M) 2069' FD. 2 1/2" BC. 1932 GLO N 89°51'24" E 2637.48' (M)	20 "AS-DRILLED" BOTTOM HOLE: LAT: 36.38128° N. (NAD 83) LONG: 107.91321° W. (NAD 83) LAT: 36°22'52.57109" N. (NAD 27) LONG: 107°54'45.32615" W. (NAD 27) BHL 724' S 89°40'41" W 2638.19' (M) FD. 2 1/2" BC. 1932 GLO	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 knowledge and belief. OCTOBER 11 2010 Date of Survey Signature and Seal of Registered Professional Surveyor 8894 24-11 Certificate Number

A



ML King #22H
San Juan Co., New Mexico



Weatherford

LEGEND

ML King #22H, I, Plan #2
Wft Svy

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	108.02	0.00	0.00	0.00	0.00	0.00	0.00	
2	569.83	0.00	108.02	569.83	0.00	0.00	0.00	0.00	0.00	
3	2058.22	89.75	108.02	1520.00	-292.63	899.64	6.03	108.02	946.03	
4	5489.11	89.75	108.02	1534.97	-1353.89	4162.22	0.00	0.00	4376.89	Pbhl

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Pbhl	1534.97	-1353.89	4162.22	36°22'S 12.356°N	107°54'47.700°W	Point

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
ML King #22H	0.00	0.00	1959434.07	2695412.11	36°23'05.748°N	107°55'38.604°W	N/A

FIELD DETAILS

San Juan, NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983

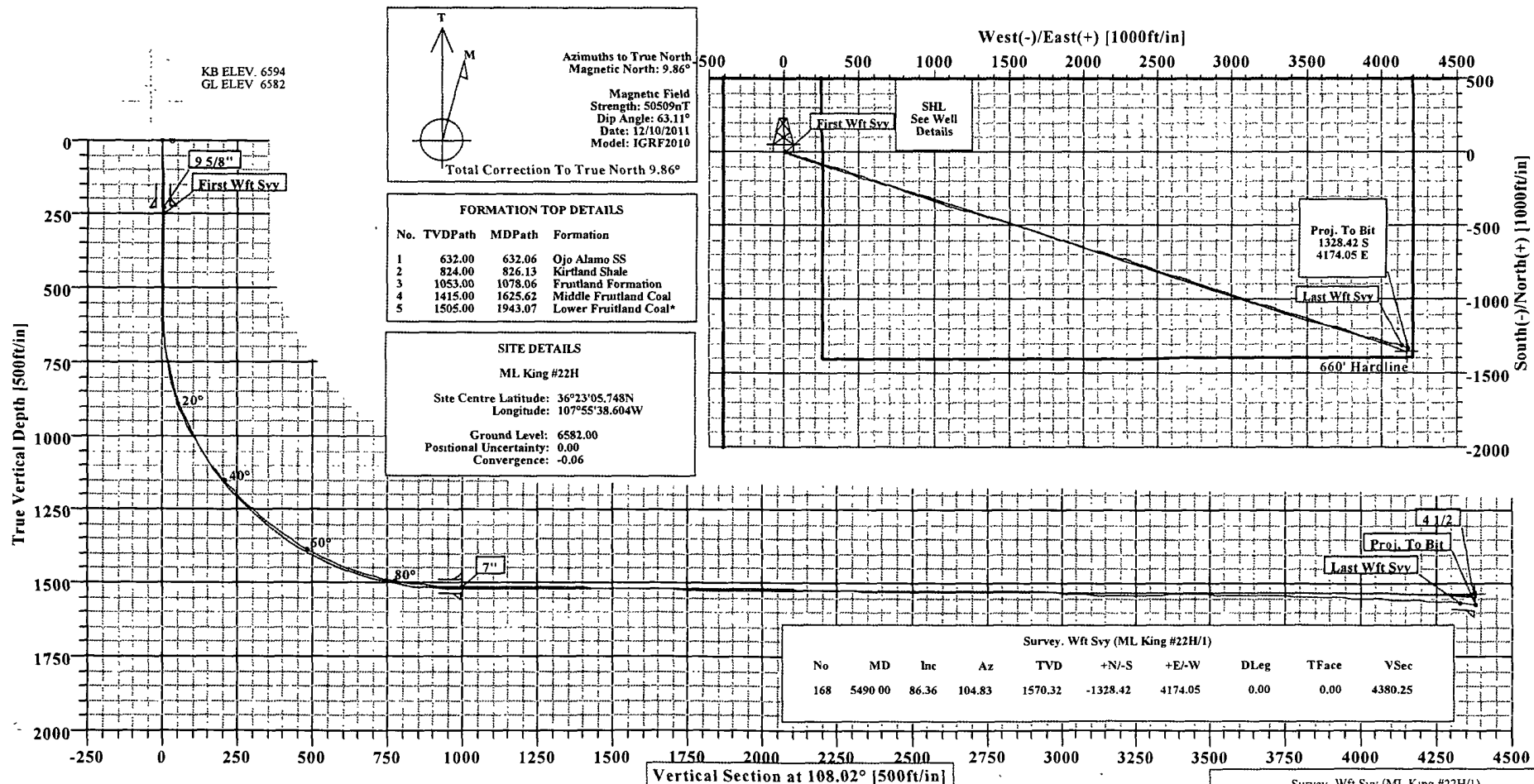
Ellipsoid: GRS 1980

Zone: New Mexico, Western Zone

Magnetic Model: IGRF2010

System Datum: Mean Sea Level

Local North: True North





Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO		Date: 12/12/2011	Time: 06:42:28	Page: 1										
Field: San Juan, NM (NAD 83)		Co-ordinate(NE) Reference:	Well: ML King #22H, True North											
Site: ML King #22H		Vertical (TVD) Reference:	SITE 6594.0											
Well: ML King #22H		Section (VS) Reference:	Well (0.00N,0.00E,108.02Azi)											
Wellpath: 1		Survey Calculation Method:	Minimum Curvature Db: Sybase											
Survey: Wft Svy		Start Date:	12/1/2011											
Company: Weatherford International Ltd.		Engineer:	Russell W. Joyner											
Tool: MWD;MWD - Standard		Tied-to:	From Surface											
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: ML King #22H														
Site Position:		Northing: 1959434.07 ft	Latitude: 36 23 5.748 N											
From: Geographic		Easting: 2695412.11 ft	Longitude: 107 55 38.604 W											
Position Uncertainty: 0.00 ft			North Reference: True											
Ground Level: 6582.00 ft			Grid Convergence: -0.06 deg											
Well: ML King #22H Slot Name:														
Well Position: +N/-S 0.00 ft		Northing: 1959434.07 ft	Latitude: 36 23 5.748 N											
+E/-W 0.00 ft		Easting: 2695412.11 ft	Longitude: 107 55 38.604 W											
Position Uncertainty: 0.00 ft														
Wellpath: 1														
Current Datum: SITE		Height 6594.00 ft	Drilled From: Surface											
Magnetic Data: 12/10/2011			Tie-on Depth: 0.00 ft											
Field Strength: 50509 nT			Above System Datum: Mean Sea Level											
Vertical Section: Depth From (TVD)			Declination: 9.86 deg											
ft		+N/-S ft	Mag Dip Angle: 63 11 deg											
0.00		0.00	+E/-W ft	Direction deg										
			0.00	108.02										
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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36	23	5.748	107	55	38.604	9 5/8" First Wft Sv
230.00	0.12	34.87	230.00	0.20	0.14	0.07	0.05	36	23	5.750	107	55	38.602	
250.00	0.13	34.87	250.00	0.23	0.16	0.08	0.05	36	23	5.750	107	55	38.602	
282.00	0.10	169.58	282.00	0.24	0.19	0.11	0.66	36	23	5.750	107	55	38.602	
312.00	0.04	179.93	312.00	0.20	0.19	0.12	0.20	36	23	5.750	107	55	38.602	
343.00	0.19	356.74	343.00	0.24	0.19	0.11	0.74	36	23	5.750	107	55	38.602	
372.00	0.13	127.11	372.00	0.27	0.21	0.12	1.01	36	23	5.751	107	55	38.601	
402.00	0.13	158.11	402.00	0.22	0.25	0.17	0.23	36	23	5.750	107	55	38.601	
432.00	0.13	165.11	432.00	0.15	0.27	0.21	0.05	36	23	5.749	107	55	38.601	
464.00	0.22	316.37	464.00	0.16	0.24	0.18	1.06	36	23	5.750	107	55	38.601	
494.00	0.06	166.86	494.00	0.19	0.21	0.14	0.91	36	23	5.750	107	55	38.601	
524.00	0.08	83.20	524.00	0.17	0.23	0.16	0.32	36	23	5.750	107	55	38.601	
553.00	0.69	106.99	553.00	0.13	0.42	0.36	2.13	36	23	5.749	107	55	38.599	
585.00	1.50	120.36	584.99	-0.14	0.96	0.96	2.64	36	23	5.747	107	55	38.592	
614.00	2.88	125.11	613.97	-0.75	1.89	2.03	4.80	36	23	5.741	107	55	38.581	
645.00	4.13	120.99	644.91	-1.78	3.48	3.86	4.11	36	23	5.730	107	55	38.561	
675.00	5.00	118.74	674.82	-2.96	5.55	6.20	2.96	36	23	5.719	107	55	38.536	
705.00	6.06	115.61	704.68	-4.27	8.13	9.05	3.67	36	23	5.706	107	55	38.505	
735.00	7.38	116.86	734.47	-5.83	11.27	12.52	4.43	36	23	5.690	107	55	38.466	
765.00	9.13	117.86	764.16	-7.81	15.10	16.77	5.85	36	23	5.671	107	55	38.419	
796.00	11.79	117.68	794.64	-10.43	20.08	22.32	8.58	36	23	5.645	107	55	38.358	
827.00	14.25	117.24	824.84	-13.65	26.27	29.21	7.94	36	23	5.613	107	55	38.283	
857.00	16.63	116.61	853.76	-17.26	33.40	37.10	7.95	36	23	5.577	107	55	38.196	
887.00	19.06	114.74	882.31	-21.24	41.69	46.21	8.32	36	23	5.538	107	55	38.094	



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO
Field: San Juan, NM (NAD 83)
Site: ML King #22H
Well: ML King #22H
Wellpath: 1

Date: 12/12/2011 Time: 06:42:28 Page: 2
Co-ordinate(NE) Reference: Well: ML King #22H, True North
Vertical (TVD) Reference: SITE 6594.0
Section (VS) Reference: Well (0.00N,0.00E,108.02Azi)
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
917.00	21.56	112.74	910.44	-25.42	51.22	56.57	8.65	36	23	5.497	107	55	37.978	
949.00	24.13	110.11	939.93	-29.94	62.79	68.97	8.64	36	23	5.452	107	55	37.836	
979.00	26.50	108.61	967.05	-34.19	74.89	81.79	8.18	36	23	5.410	107	55	37.688	
1010.00	28.75	107.99	994.51	-38.70	88.54	96.16	7.32	36	23	5.365	107	55	37.521	
1040.00	30.65	108.01	1020.57	-43.29	102.67	111.03	6.33	36	23	5.320	107	55	37.348	
1071.00	32.13	108.24	1047.03	-48.31	118.02	127.17	4.79	36	23	5.270	107	55	37.161	
1101.00	33.69	107.99	1072.22	-53.38	133.51	143.47	5.22	36	23	5.220	107	55	36.971	
1132.00	35.25	107.74	1097.77	-58.76	150.21	161.02	5.05	36	23	5.167	107	55	36.767	
1161.00	36.94	107.36	1121.21	-63.91	166.50	178.10	5.88	36	23	5.116	107	55	36.568	
1190.00	39.08	107.28	1144.06	-69.23	183.54	195.96	7.38	36	23	5.063	107	55	36.359	
1221.00	41.38	107.86	1167.72	-75.27	202.63	215.98	7.52	36	23	5.004	107	55	36.126	
1251.00	43.69	108.86	1189.83	-81.67	221.87	236.26	8.02	36	23	4.940	107	55	35.890	
1281.00	45.31	109.61	1211.22	-88.60	241.73	257.28	5.68	36	23	4.872	107	55	35.648	
1313.00	46.88	109.49	1233.41	-96.31	263.45	280.32	4.91	36	23	4.796	107	55	35.382	
1344.00	47.94	109.11	1254.39	-103.85	284.99	303.14	3.54	36	23	4.721	107	55	35.118	
1374.00	48.87	108.66	1274.31	-111.11	306.22	325.57	3.30	36	23	4.649	107	55	34.859	
1405.00	50.25	108.24	1294.42	-118.58	328.60	349.17	4.57	36	23	4.575	107	55	34.585	
1437.00	52.00	108.36	1314.50	-126.40	352.25	374.08	5.48	36	23	4.498	107	55	34.296	
1468.00	53.69	108.36	1333.22	-134.18	375.70	398.78	5.45	36	23	4.421	107	55	34.009	
1499.00	55.50	107.86	1351.18	-142.04	399.72	424.05	5.98	36	23	4.343	107	55	33.715	
1530.00	57.38	107.61	1368.32	-149.90	424.32	449.88	6.10	36	23	4.266	107	55	33.414	
1561.00	59.70	107.74	1384.49	-157.93	449.51	476.32	7.49	36	23	4.186	107	55	33.106	
1592.00	62.00	107.11	1399.59	-166.04	475.34	503.39	7.63	36	23	4.106	107	55	32.790	
1624.00	63.38	107.86	1414.27	-174.58	502.46	531.82	4.79	36	23	4.021	107	55	32.459	
1655.00	64.88	107.24	1427.80	-182.99	529.06	559.71	5.16	36	23	3.938	107	55	32.133	
1687.00	66.38	106.49	1441.00	-191.45	556.95	588.85	5.15	36	23	3.855	107	55	31.792	
1718.00	68.82	106.06	1452.82	-199.48	584.46	617.50	7.97	36	23	3.775	107	55	31.456	
1750.00	71.38	106.11	1463.71	-207.81	613.37	647.57	8.00	36	23	3.693	107	55	31.102	
1782.00	73.94	106.36	1473.24	-216.35	642.69	678.10	8.03	36	23	3.608	107	55	30.744	
1813.00	76.00	107.61	1481.28	-225.10	671.33	708.03	7.70	36	23	3.522	107	55	30.393	
1842.00	77.81	107.86	1487.85	-233.70	698.23	736.27	6.30	36	23	3.437	107	55	30.064	
1871.00	79.60	108.33	1493.53	-242.54	725.26	764.71	6.37	36	23	3.349	107	55	29.734	
1901.00	81.06	108.74	1498.57	-251.94	753.30	794.28	5.05	36	23	3.256	107	55	29.391	
1932.00	81.19	108.74	1503.36	-261.78	782.30	824.91	0.42	36	23	3.159	107	55	29.036	
1963.00	82.67	108.80	1507.71	-271.65	811.36	855.60	4.78	36	23	3.061	107	55	28.681	
1993.00	84.94	108.99	1510.94	-281.31	839.58	885.42	7.59	36	23	2.966	107	55	28.336	
2028.00	87.62	109.52	1513.22	-292.83	872.55	920.33	7.80	36	23	2.852	107	55	27.932	
2090.00	89.69	110.37	1514.67	-313.97	930.81	982.28	3.61	36	23	2.643	107	55	27.220	
2106.00	89.84	110.43	1514.74	-319.55	945.81	998.26	1.01	36	23	2.588	107	55	27.036	7"
2123.00	90.00	110.49	1514.76	-325.49	961.73	1015.25	1.01	36	23	2.529	107	55	26.842	
2155.00	89.88	109.11	1514.79	-336.33	991.84	1047.23	4.33	36	23	2.422	107	55	26.473	
2187.00	90.31	107.49	1514.74	-346.38	1022.22	1079.23	5.24	36	23	2.322	107	55	26.102	
2219.00	90.19	107.36	1514.60	-355.96	1052.75	1111.23	0.55	36	23	2.228	107	55	25.728	
2251.00	90.02	107.05	1514.54	-365.42	1083.32	1143.22	1.10	36	23	2.134	107	55	25.355	
2283.00	88.94	106.74	1514.83	-374.72	1113.94	1175.22	3.51	36	23	2.042	107	55	24.980	
2315.00	89.06	106.74	1515.39	-383.94	1144.58	1207.20	0.37	36	23	1.951	107	55	24.605	
2346.00	89.25	106.36	1515.85	-392.77	1174.29	1238.19	1.37	36	23	1.864	107	55	24.242	
2378.00	89.75	106.24	1516.13	-401.75	1205.00	1270.17	1.61	36	23	1.775	107	55	23.866	
2410.00	89.77	106.53	1516.26	-410.78	1235.70	1302.16	0.91	36	23	1.685	107	55	23.491	
2442.00	88.75	105.86	1516.67	-419.70	1266.43	1334.14	3.81	36	23	1.597	107	55	23.115	
2475.00	88.75	105.74	1517.39	-428.68	1298.17	1367.11	0.36	36	23	1.508	107	55	22.727	
2507.00	89.13	105.61	1517.99	-437.33	1328.98	1399.08	1.26	36	23	1.423	107	55	22.350	



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO Date: 12/12/2011 Time: 06:42:28 Page: 3
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Well: ML King #22H, True North
Site: ML King #22H Vertical (TVD) Reference: SITE 6594.0
Well: ML King #22H Section (VS) Reference: Well (0.00N,0.00E,108.02Azi)
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	Comment
2539.00	89.69	105.24	1518.32	-445.84	1359.82	1431.04	2.10	36	23	1.339	107	55	21.973	
2571.00	89.70	105.67	1518.49	-454.37	1390.67	1463.01	1.34	36	23	1.254	107	55	21.596	
2603.00	89.00	105.99	1518.85	-463.09	1421.45	1494.98	2.41	36	23	1.168	107	55	21.219	
2635.00	89.00	106.11	1519.41	-471.94	1452.20	1526.96	0.37	36	23	1.081	107	55	20.843	
2667.00	89.00	107.24	1519.97	-481.12	1482.85	1558.95	3.53	36	23	0.990	107	55	20.468	
2699.00	89.13	107.15	1520.49	-490.58	1513.41	1590.94	0.49	36	23	0.896	107	55	20.094	
2731.00	89.19	107.11	1520.96	-500.00	1543.99	1622.93	0.23	36	23	0.803	107	55	19.720	
2762.00	90.00	108.24	1521.18	-509.41	1573.53	1653.93	4.48	36	23	0.710	107	55	19.359	
2793.00	89.88	108.24	1521.21	-519.12	1602.97	1684.93	0.39	36	23	0.614	107	55	18.999	
2825.00	89.81	108.36	1521.30	-529.17	1633.35	1716.93	0.43	36	23	0.514	107	55	18.628	
2858.00	90.06	108.11	1521.33	-539.49	1664.69	1749.93	1.07	36	23	0.412	107	55	18.244	
2890.00	90.47	108.19	1521.18	-549.46	1695.10	1781.93	1.31	36	23	0.314	107	55	17.872	
2921.00	90.44	108.24	1520.94	-559.15	1724.55	1812.93	0.19	36	23	0.218	107	55	17.512	
2954.00	90.81	108.36	1520.58	-569.51	1755.87	1845.92	1.18	36	23	0.115	107	55	17.129	
2986.00	90.81	108.24	1520.13	-579.56	1786.25	1877.92	0.37	36	23	0.016	107	55	16.758	
3018.00	90.25	108.36	1519.83	-589.60	1816.63	1909.92	1.79	36	22	59.917	107	55	16.386	
3050.00	90.06	107.99	1519.74	-599.59	1847.04	1941.92	1.30	36	22	59.818	107	55	16.014	
3079.00	89.76	107.83	1519.79	-608.50	1874.63	1970.92	1.17	36	22	59.730	107	55	15.677	
3109.00	89.63	107.61	1519.95	-617.64	1903.21	2000.92	0.85	36	22	59.639	107	55	15.327	
3140.00	88.13	107.86	1520.56	-627.08	1932.73	2031.91	4.91	36	22	59.546	107	55	14.966	
3171.00	87.06	107.61	1521.86	-636.51	1962.23	2062.88	3.54	36	22	59.453	107	55	14.605	
3202.00	87.13	107.24	1523.43	-645.78	1991.77	2093.84	1.21	36	22	59.361	107	55	14.244	
3232.00	87.19	106.99	1524.91	-654.60	2020.40	2123.80	0.86	36	22	59.274	107	55	13.894	
3263.00	87.27	106.97	1526.41	-663.64	2050.02	2154.76	0.27	36	22	59.184	107	55	13.532	
3293.00	88.44	106.36	1527.53	-672.24	2078.74	2184.73	4.40	36	22	59.099	107	55	13.180	
3324.00	89.94	105.74	1527.97	-680.81	2108.52	2215.71	5.24	36	22	59.015	107	55	12.816	
3354.00	90.25	105.61	1527.92	-688.91	2137.41	2245.68	1.12	36	22	58.934	107	55	12.463	
3385.00	89.75	106.24	1527.92	-697.42	2167.22	2276.66	2.59	36	22	58.850	107	55	12.098	
3415.00	89.00	107.36	1528.25	-706.09	2195.94	2306.65	4.49	36	22	58.764	107	55	11.747	
3446.00	89.06	107.57	1528.77	-715.39	2225.50	2337.64	0.70	36	22	58.672	107	55	11.385	
3477.00	89.19	107.61	1529.25	-724.76	2255.05	2368.64	0.44	36	22	58.580	107	55	11.024	
3507.00	89.56	107.49	1529.58	-733.81	2283.65	2398.64	1.30	36	22	58.490	107	55	10.674	
3538.00	89.88	107.86	1529.73	-743.22	2313.19	2429.64	1.58	36	22	58.397	107	55	10.313	
3569.00	89.88	107.99	1529.79	-752.76	2342.68	2460.64	0.42	36	22	58.303	107	55	9.952	
3599.00	90.00	108.11	1529.82	-762.05	2371.21	2490.64	0.57	36	22	58.211	107	55	9.604	
3630.00	89.90	108.29	1529.85	-771.74	2400.66	2521.64	0.66	36	22	58.115	107	55	9.243	
3661.00	90.06	108.11	1529.86	-781.42	2430.10	2552.64	0.78	36	22	58.019	107	55	8.883	
3692.00	90.00	108.11	1529.85	-791.05	2459.57	2583.64	0.19	36	22	57.924	107	55	8.523	
3723.00	89.88	107.99	1529.88	-800.66	2489.04	2614.64	0.55	36	22	57.829	107	55	8.162	
3755.00	89.88	108.36	1529.94	-810.64	2519.45	2646.63	1.16	36	22	57.730	107	55	7.791	
3785.00	90.13	108.24	1529.94	-820.06	2547.93	2676.63	0.92	36	22	57.637	107	55	7.442	
3815.00	90.21	108.39	1529.85	-829.49	2576.41	2706.63	0.57	36	22	57.544	107	55	7.094	
3845.00	90.38	108.36	1529.70	-838.95	2604.88	2736.63	0.58	36	22	57.450	107	55	6.746	
3875.00	90.44	108.61	1529.48	-848.46	2633.33	2766.63	0.86	36	22	57.356	107	55	6.398	
3905.00	89.44	108.24	1529.52	-857.94	2661.79	2796.63	3.55	36	22	57.262	107	55	6.050	
3936.00	88.69	108.24	1530.02	-867.64	2691.23	2827.63	2.42	36	22	57.166	107	55	5.690	
3966.00	88.63	108.24	1530.72	-877.03	2719.72	2857.62	0.20	36	22	57.074	107	55	5.341	
3997.00	88.83	108.03	1531.41	-886.67	2749.17	2888.61	0.94	36	22	56.978	107	55	4.981	
4027.00	88.88	107.99	1532.01	-895.95	2777.69	2918.60	0.21	36	22	56.886	107	55	4.632	
4058.00	89.00	107.86	1532.58	-905.49	2807.18	2949.60	0.57	36	22	56.792	107	55	4.272	
4090.00	88.06	108.74	1533.40	-915.53	2837.55	2981.59	4.02	36	22	56.693	107	55	3.900	
4121.00	88.19	108.24	1534.42	-925.36	2866.94	3012.57	1.67	36	22	56.595	107	55	3.541	
4153.00	86.94	108.24	1535.78	-935.36	2897.30	3044.54	3.91	36	22	56.497	107	55	3.169	



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO	Date: 12/12/2011	Time: 06:42:28	Page: 4
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: ML King #22H, True North	
Site: ML King #22H	Vertical (TVD) Reference:	SITE 6594.0	
Well: ML King #22H	Section (VS) Reference:	Well (0.00N,0.00E,108.02Azi)	
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	Comment
4185.00	86.80	108.01	1537.52	-945.30	2927.67	3076.49	0.84	36	22	56.398	107	55	2.798	
4230.00	88.00	107.86	1539.57	-959.15	2970.44	3121.44	2.69	36	22	56.261	107	55	2.275	
4260.00	89.88	108.61	1540.12	-968.53	2998.92	3151.44	6.75	36	22	56.168	107	55	1.927	
4291.00	90.75	109.11	1539.95	-978.55	3028.26	3182.43	3.24	36	22	56.069	107	55	1.568	
4321.00	90.81	108.99	1539.54	-988.34	3056.61	3212.43	0.45	36	22	55.972	107	55	1.221	
4352.00	89.84	108.42	1539.37	-998.28	3085.98	3243.42	3.63	36	22	55.874	107	55	0.862	
4383.00	90.06	108.24	1539.39	-1008.03	3115.40	3274.42	0.92	36	22	55.778	107	55	0.502	
4413.00	90.25	108.24	1539.31	-1017.42	3143.89	3304.42	0.63	36	22	55.685	107	55	0.154	
4444.00	90.38	108.36	1539.14	-1027.16	3173.33	3335.42	0.57	36	22	55.588	107	54	59.794	
4474.00	90.44	108.49	1538.93	-1036.64	3201.79	3365.42	0.48	36	22	55.495	107	54	59.446	
4505.00	90.00	108.49	1538.81	-1046.47	3231.19	3396.42	1.42	36	22	55.397	107	54	59.086	
4537.00	90.23	108.59	1538.74	-1056.64	3261.53	3428.42	0.78	36	22	55.297	107	54	58.715	
4569.00	89.75	108.24	1538.75	-1066.75	3291.89	3460.42	1.86	36	22	55.197	107	54	58.344	
4601.00	89.69	108.24	1538.91	-1076.77	3322.28	3492.41	0.19	36	22	55.098	107	54	57.972	
4633.00	89.63	107.99	1539.10	-1086.72	3352.69	3524.41	0.80	36	22	54.999	107	54	57.600	
4665.00	89.31	107.74	1539.39	-1096.54	3383.15	3556.41	1.27	36	22	54.902	107	54	57.228	
4697.00	89.50	107.49	1539.72	-1106.22	3413.65	3588.41	0.98	36	22	54.806	107	54	56.855	
4742.00	89.25	107.32	1540.21	-1119.68	3456.58	3633.40	0.67	36	22	54.673	107	54	56.330	
4773.00	88.44	107.61	1540.84	-1128.98	3486.15	3664.40	2.78	36	22	54.581	107	54	55.968	
4803.00	88.44	107.61	1541.66	-1138.05	3514.73	3694.38	0.00	36	22	54.491	107	54	55.619	
4834.00	88.65	107.81	1542.44	-1147.48	3544.25	3725.37	0.94	36	22	54.398	107	54	55.257	
4865.00	88.00	107.49	1543.35	-1156.88	3573.78	3756.36	2.34	36	22	54.305	107	54	54.896	
4896.00	87.94	107.24	1544.45	-1166.12	3603.35	3787.34	0.83	36	22	54.214	107	54	54.535	
4926.00	88.25	106.86	1545.45	-1174.91	3632.01	3817.32	1.63	36	22	54.127	107	54	54.184	
4957.00	88.38	106.99	1546.36	-1183.93	3661.66	3848.30	0.59	36	22	54.037	107	54	53.822	
4987.00	88.13	106.74	1547.27	-1192.63	3690.36	3878.28	1.18	36	22	53.951	107	54	53.471	
5018.00	88.18	106.56	1548.27	-1201.51	3720.04	3909.25	0.60	36	22	53.864	107	54	53.108	
5050.00	88.19	106.49	1549.28	-1210.61	3750.70	3941.23	0.22	36	22	53.774	107	54	52.733	
5082.00	88.13	106.36	1550.31	-1219.65	3781.38	3973.20	0.45	36	22	53.684	107	54	52.357	
5114.00	88.06	106.49	1551.37	-1228.70	3812.06	4005.17	0.46	36	22	53.595	107	54	51.982	
5146.00	88.00	106.36	1552.47	-1237.74	3842.73	4037.14	0.45	36	22	53.505	107	54	51.607	
5178.00	88.00	106.24	1553.59	-1246.71	3873.43	4069.10	0.37	36	22	53.416	107	54	51.232	
5210.00	87.75	106.11	1554.78	-1255.62	3904.14	4101.06	0.88	36	22	53.328	107	54	50.856	
5242.00	87.75	105.86	1556.03	-1264.43	3934.88	4133.02	0.78	36	22	53.241	107	54	50.480	
5274.00	87.13	105.36	1557.46	-1273.03	3965.67	4164.96	2.49	36	22	53.156	107	54	50.104	
5306.00	86.69	104.99	1559.19	-1281.39	3996.51	4196.87	1.80	36	22	53.073	107	54	49.727	
5338.00	86.75	104.86	1561.02	-1289.62	4027.38	4228.77	0.45	36	22	52.992	107	54	49.349	
5370.00	86.63	104.86	1562.87	-1297.82	4058.26	4260.67	0.37	36	22	52.911	107	54	48.971	
5402.00	86.50	104.74	1564.78	-1305.97	4089.14	4292.56	0.55	36	22	52.830	107	54	48.594	
5442.00	86.36	104.83	1567.27	-1316.16	4127.74	4332.42	0.42	36	22	52.729	107	54	48.122	Last Wft Svy
5490.00	86.36	104.83	1570.32	-1328.42	4174.05	4380.25	0.00	36	22	52.608	107	54	47.555	4 1/2

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
230.00	230.00	9.625	12.250	9 5/8"
2106.00	1514.74	7.000	8.750	7"
5490.00	1570.32	4.500	6.125	4 1/2"



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO	Date: 12/12/2011	Time: 06:42:28	Page: 5
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: ML King #22H, True North	
Site: ML King #22H	Vertical (TVD) Reference:	SITE 6594.0	
Well: ML King #22H	Section (VS) Reference:	Well (0.00N,0.00E,108.02Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Annotation

MD ft	TVD ft	
250.00	250.00	First Wft Svy
5442.00	1567.27	Last Wft Svy
5490.00	1570.32	Proj. To Bit

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
632.06	632.00	Ojo Alamo SS		0.00	0.00
826.13	824.00	Kirtland Shale		0.00	0.00
1078.06	1053.00	Fruitland Formation		0.00	0.00
1625.62	1415.00	Middle Fruitland Coal		0.00	0.00
1943.07	1505.00	Lower Fruitland Coal*		0.00	0.00