

"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

RECEIVED

Form C-102
Revised July, 16, 2010
Submit one copy to appropriate
District Office

JAN 31 2012

Farmington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35301	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 38832	⁵ Property Name ML KING	⁶ Well Number 21H
⁷ OGRD No. 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6523'

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	20	25-N	10-W		550	NORTH	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
H	20	25-N	10-W		1939	NORTH	690	EAST	SAN JUAN

¹² Dedicated Acres N/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

FD. 2 1/2" BC. 1932 GLO N 89°59'15" E 2631.35' (M) 410' SHL 550' S 00°00'07" E 2639.48' (M) SURFACE: LAT: 36.39225° N. (NAD 83) LONG: 107.92739° W. (NAD 83) LAT: 36°23'32.07040" N. (NAD 27) LONG: 107°55'36.35922" W. (NAD 27) 20 FD. 2 1/2" BC. 1932 GLO	FD. 2 1/2" BC. 1932 GLO N 89°59'21" W 2641.08' (M) 1939' 690' BHL S 00°05'48" W 2632.79' (M) "AS-DRILLED" BOTTOM HOLE: LAT: 36.38844° N. (NAD 83) LONG: 107.91323° W. (NAD 83) LAT: 36°23'18.33034" N. (NAD 27) LONG: 107°54'45.38615" W. (NAD 27) "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>Horri Bingham</i> 1/30/12 Signature Date Horri Bingham Printed Name Horri.Bingham@xtoenergy.com E-mail Address 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. JANUARY 16 2012 Date of Survey Signature and Seal of Professional Surveyor NEW MEXICO 3894 11-12 PROFESSIONAL LAND SURVEYOR Certificate Number
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AV



ML King #21H
San Juan Co., New Mexico



Weatherford

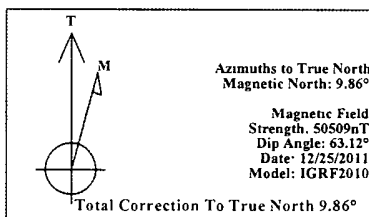
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
1	0.00	0.00	108.35	0.00	0.00	0.00	0.00	0.00	0.00		
2	560.10	0.00	108.35	560.10	0.00	0.00	0.00	0.00	0.00		
3	2057.60	89.85	108.35	1515.02	-299.83	904.00	6.00	108.35	952.43		
4	5486.85	89.85	108.35	1524.00	-1379.38	4158.89	0.00	0.00	4381.68	Pbhl	

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Pbhl	1524.00	-1379.38	4158.89	36°23'18.456N	107°54'47.736W	Point

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
ML King #21H	0.00	0.00	1962098.79	2695414.70	36°23'32.100N	107°55'38.604W

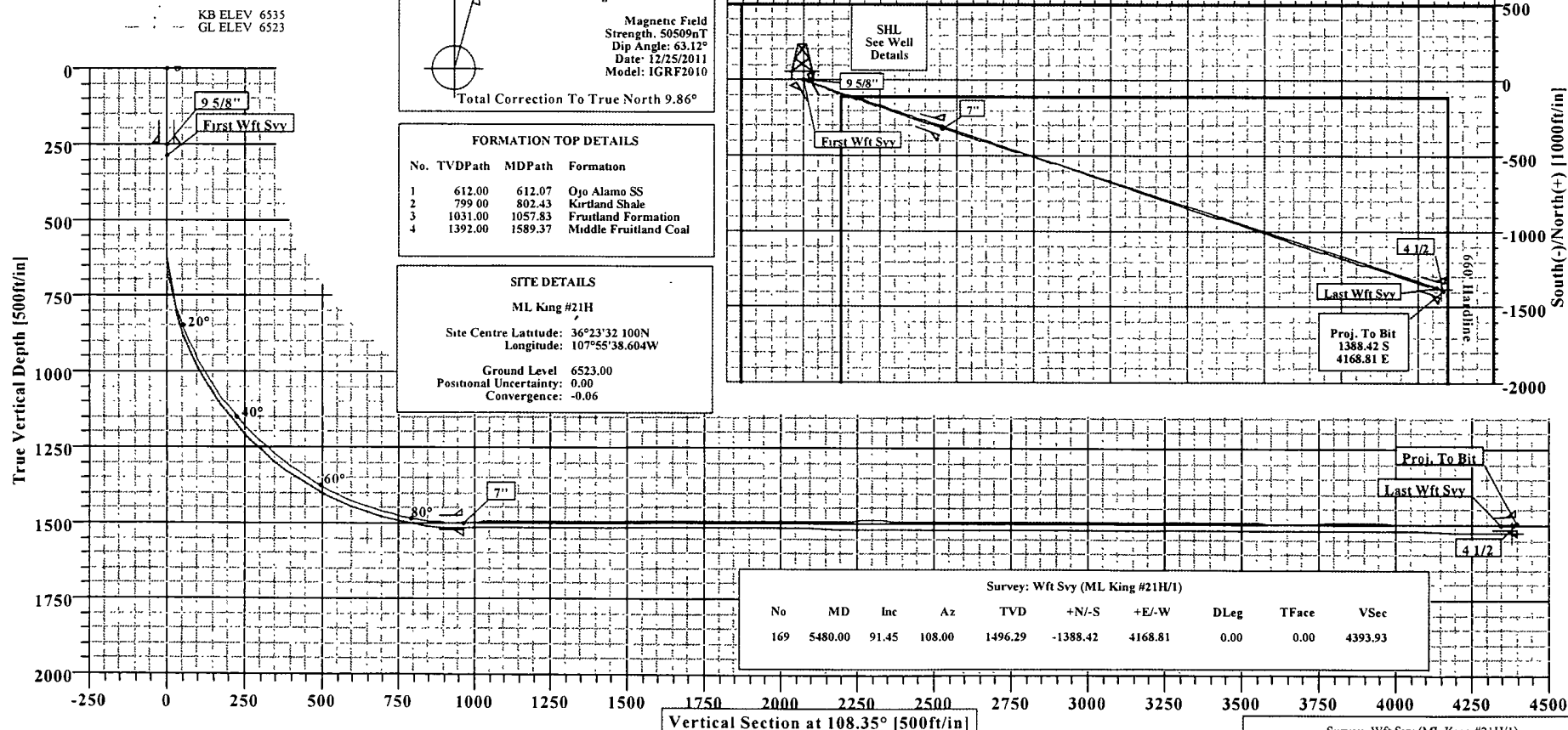
FIELD DETAILS	
San Juan, NM (NAD 83)	
Geodetic System: US State Plane Coordinate System 1983	
Ellipsoid: GRS 1980	
Zone: New Mexico, Western Zone	
Magnetic Model: IGRF2010	
System Datum: Mean Sea Level	
Local North: True North	

LEGEND	
	ML King #21H, 1 Plan #1 Wft Svy



FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	612.00	612.07	Ojo Alamo SS
2	799.00	802.43	Kirtland Shale
3	1031.00	1057.83	Fruitland Formation
4	1392.00	1589.37	Middle Fruitland Coal

SITE DETAILS	
ML King #21H	
Site Centre Latitude: 36°23'32.100N	
Longitude: 107°55'38.604W	
Ground Level: 6523.00	
Positional Uncertainty: 0.00	
Convergence: -0.06	





Weatherford International Ltd.

WFT Survey Report Lat, Long



Weatherford

Company: XTO	Date: 12/23/2011	Time: 07:29:52	Page: 1
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: ML King #21H, True North	
Site: ML King #21H	Vertical (TVD) Reference:	SITE 6535.0	
Well: ML King #21H	Section (VS) Reference:	Well (0.00N,0.00E,108.35Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Wft Svy	Start Date: 12/15/2011
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 #21H

Site Position:	Northing: 1962098 79 ft	Latitude: 36 23 32 100 N
From: Geographic	Easting: 2695414.70 ft	Longitude: 107 55 38 604 W
Position Uncertainty: 0 00 ft		North Reference: True
Ground Level: 6523.00 ft		Grid Convergence: -0.06 deg

Well: ML King #21H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 1962098 79 ft
+E/-W 0.00 ft	Easting: 2695414 70 ft
Position Uncertainty: 0 00 ft	Latitude: 36 23 32.100 N
	Longitude: 107 55 38.604 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 12/25/2011	Above System Datum: Mean Sea Level
Field Strength: 50509 nT	Declination: 9 86 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 63 12 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0 00
	0 00
	108.35

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	32.100	107	55	38.604	9 5/8" First Wft Sv
250 00	0.22	330 26	250.00	0.42	-0.24	-0.36	0.09	36	23	32.104	107	55	38.607	
285 00	0.25	330 26	285.00	0.54	-0.31	-0.46	0.09	36	23	32.105	107	55	38.608	
315 00	0.17	335.36	315.00	0.64	-0.36	-0.54	0.27	36	23	32.106	107	55	38.608	
346 00	0.27	347.00	346.00	0.75	-0.40	-0.61	0.35	36	23	32.107	107	55	38.609	
376 00	0.28	350.45	376.00	0.89	-0.42	-0.68	0.06	36	23	32.109	107	55	38.609	
406 00	0.25	2 24	406.00	1.03	-0.43	-0.73	0.21	36	23	32.110	107	55	38.609	
436 00	0.25	3 49	436.00	1.16	-0.43	-0.77	0.02	36	23	32.111	107	55	38.609	
465 00	0.25	1.61	465.00	1.29	-0.42	-0.80	0.03	36	23	32.113	107	55	38.609	
496 00	0.38	344.86	496 00	1.45	-0.45	-0.88	0.51	36	23	32.114	107	55	38.609	
526 00	0.38	2 61	526 00	1.65	-0.47	-0.96	0.39	36	23	32.116	107	55	38.610	
556 00	1 11	107 74	555 99	1.66	-0.19	-0.70	4 21	36	23	32.116	107	55	38.606	
587 00	2 63	115 99	586.98	1.26	0.74	0 31	4.97	36	23	32.112	107	55	38.595	
618 00	4 38	116 74	617 92	0.41	2.44	2 18	5.65	36	23	32.104	107	55	38.574	
648 00	6 00	113.61	647.79	-0.73	4 90	4 88	5.48	36	23	32.093	107	55	38.544	
679 00	7 94	113.61	678.56	-2.24	8.34	8.62	6 26	36	23	32.078	107	55	38.502	
709 00	10 13	114.86	708 19	-4 18	12.64	13 31	7.33	36	23	32.059	107	55	38.449	
738 00	12.36	114.60	736.63	-6 54	17 77	18 93	7 69	36	23	32.035	107	55	38.387	
768 00	14.31	113.49	765 82	-9 36	24.09	25 81	6 56	36	23	32.007	107	55	38.309	
798 00	16.31	112.61	794.75	-12.45	31.38	33 71	6 71	36	23	31.977	107	55	38.220	
829 00	18.25	111 36	824.35	-15.90	39.92	42.90	6.37	36	23	31.943	107	55	38.116	
859 00	20 13	110.74	852.69	-19.44	49.13	52.75	6.30	36	23	31.908	107	55	38.003	
888 00	21.81	110 36	879 76	-23.08	58.84	63.12	5.81	36	23	31.872	107	55	37.884	
918 00	23.89	108.91	907 41	-26.99	69 82	74.76	7.18	36	23	31.833	107	55	37 750	



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO Date: 12/23/2011 Time: 07:29:52 Page: 2
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Well: ML King #21H, True North
Site: ML King #21H Vertical (TVD) Reference: SITE 6535.0
Well: ML King #21H Section (VS) Reference: Well (0.00N,0.00E,108.35Azi)
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
948.00	25.69	108.61	934.64	-31.03	81.73	87.34	6.01	36	23	31.793	107	55	37.604	
978.00	27.38	109.24	961.48	-35.38	94.40	100.74	5.71	36	23	31.750	107	55	37.449	
1008.00	28.94	110.61	987.93	-40.21	107.71	114.89	5.63	36	23	31.702	107	55	37.287	
1038.00	30.44	112.24	1013.99	-45.64	121.54	129.73	5.68	36	23	31.649	107	55	37.117	
1070.00	32.00	113.36	1041.36	-52.07	136.83	146.26	5.20	36	23	31.585	107	55	36.930	
1099.00	33.69	113.03	1065.72	-58.26	151.29	161.94	5.86	36	23	31.524	107	55	36.754	
1130.00	35.31	111.99	1091.27	-64.98	167.51	179.45	5.56	36	23	31.457	107	55	36.555	
1159.00	37.06	111.24	1114.67	-71.29	183.42	196.54	6.22	36	23	31.395	107	55	36.360	
1191.00	39.00	110.74	1139.88	-78.35	201.83	216.23	6.14	36	23	31.325	107	55	36.135	
1221.00	41.00	110.49	1162.86	-85.13	219.88	235.50	6.69	36	23	31.258	107	55	35.915	
1251.00	42.88	110.24	1185.17	-92.11	238.68	255.54	6.29	36	23	31.189	107	55	35.685	
1282.00	44.89	109.79	1207.51	-99.46	258.87	277.02	6.56	36	23	31.116	107	55	35.438	
1312.00	46.50	108.49	1228.47	-106.50	279.15	298.48	6.20	36	23	31.047	107	55	35.190	
1344.00	48.00	107.11	1250.19	-113.68	301.52	321.98	5.66	36	23	30.976	107	55	34.916	
1375.00	49.69	105.99	1270.59	-120.32	323.89	345.30	6.09	36	23	30.910	107	55	34.642	
1407.00	51.25	106.49	1290.96	-127.23	347.59	369.97	5.02	36	23	30.842	107	55	34.352	
1438.00	52.75	107.24	1310.04	-134.32	370.97	394.39	5.20	36	23	30.772	107	55	34.066	
1470.00	54.46	107.99	1329.03	-142.11	395.51	420.14	5.67	36	23	30.695	107	55	33.766	
1500.00	56.25	108.36	1346.08	-149.81	418.96	444.82	6.05	36	23	30.618	107	55	33.479	
1532.00	58.06	108.74	1363.44	-158.36	444.45	471.71	5.74	36	23	30.534	107	55	33.168	
1563.00	60.25	109.24	1379.33	-167.03	469.61	498.32	7.20	36	23	30.448	107	55	32.860	
1594.00	62.69	109.24	1394.14	-176.00	495.33	525.55	7.87	36	23	30.359	107	55	32.545	
1626.00	65.06	108.61	1408.23	-185.32	522.50	554.27	7.61	36	23	30.267	107	55	32.213	
1657.00	66.81	108.55	1420.87	-194.33	549.33	582.58	5.65	36	23	30.178	107	55	31.885	
1688.00	68.38	108.74	1432.68	-203.50	576.49	611.24	5.10	36	23	30.088	107	55	31.553	
1720.00	70.38	108.86	1443.95	-213.15	604.84	641.18	6.26	36	23	29.992	107	55	31.206	
1751.00	72.31	108.74	1453.87	-222.61	632.64	670.55	6.24	36	23	29.898	107	55	30.866	
1783.00	74.50	108.61	1463.01	-232.43	661.69	701.22	6.85	36	23	29.801	107	55	30.510	
1814.00	76.38	108.49	1470.80	-241.98	690.13	731.22	6.08	36	23	29.707	107	55	30.163	
1846.00	78.40	108.48	1477.78	-251.88	719.75	762.45	6.31	36	23	29.609	107	55	29.800	
1877.00	80.06	108.24	1483.58	-261.47	748.65	792.90	5.41	36	23	29.514	107	55	29.447	
1909.00	81.82	108.57	1488.62	-271.45	778.64	824.50	5.59	36	23	29.415	107	55	29.080	
1940.00	83.13	108.86	1492.67	-281.31	807.74	855.23	4.33	36	23	29.318	107	55	28.724	
1972.00	84.88	108.99	1496.02	-291.63	837.85	887.05	5.48	36	23	29.216	107	55	28.356	
1993.00	86.57	109.04	1497.58	-298.45	857.64	907.99	8.05	36	23	29.148	107	55	28.114	
2025.00	88.81	109.99	1498.87	-309.13	887.78	939.96	7.60	36	23	29.043	107	55	27.745	
2046.00	90.38	109.82	1499.02	-316.28	907.52	960.95	7.53	36	23	28.972	107	55	27.504	7"
2056.00	91.13	109.74	1498.89	-319.67	916.93	970.95	7.53	36	23	28.939	107	55	27.388	
2088.00	92.44	109.61	1497.89	-330.43	947.05	1002.92	4.11	36	23	28.832	107	55	27.020	
2117.00	91.71	109.56	1496.84	-340.15	974.35	1031.89	2.52	36	23	28.736	107	55	26.686	
2148.00	90.00	108.49	1496.38	-350.25	1003.66	1062.89	6.51	36	23	28.636	107	55	26.328	
2178.00	89.81	107.74	1496.43	-359.58	1032.17	1092.89	2.58	36	23	28.544	107	55	25.979	
2209.00	90.81	107.36	1496.26	-368.93	1061.72	1123.88	3.45	36	23	28.451	107	55	25.617	
2239.00	91.56	107.61	1495.64	-377.94	1090.33	1153.87	2.64	36	23	28.362	107	55	25.268	
2270.00	90.56	107.24	1495.07	-387.22	1119.90	1184.86	3.44	36	23	28.270	107	55	24.906	
2301.00	91.56	107.52	1494.49	-396.48	1149.48	1215.85	3.35	36	23	28.179	107	55	24.544	
2332.00	92.44	107.61	1493.41	-405.83	1179.02	1246.83	2.85	36	23	28.086	107	55	24.183	
2361.00	91.25	107.61	1492.48	-414.60	1206.65	1275.81	4.10	36	23	28.000	107	55	23.845	
2392.00	89.50	107.74	1492.27	-424.01	1236.18	1306.81	5.66	36	23	27.907	107	55	23.484	
2422.00	88.38	107.36	1492.83	-433.05	1264.78	1336.80	3.94	36	23	27.817	107	55	23.134	
2453.00	88.75	107.49	1493.61	-442.33	1294.35	1367.79	1.27	36	23	27.725	107	55	22.772	
2484.00	88.93	107.24	1494.23	-451.58	1323.93	1398.78	0.99	36	23	27.634	107	55	22.410	

21

977
1972
5

$$5/21 \rightarrow .24$$

$$(.24)(6.82) = 1.62$$

$$(.24)(49.79) = 4.75$$

$$@ 1977 \text{md} \rightarrow -291.63 + 1.62 = -293.25$$

$$\rightarrow 837.85 + 4.75 = 842.60$$



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO	Date: 12/23/2011	Time: 07:29:52	Page: 3
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: ML King #21H, True North	
Site: ML King #21H	Vertical (TVD) Reference:	SITE 6535.0	
Well: ML King #21H	Section (VS) Reference:	Well (0.00N,0.00E,108.35Azi)	
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
2514.00	90.13	107.24	1494.48	-460.47	1352.58	1428.77	4.00	36	23	27.546	107	55	22.060	
2545.00	89.25	107.11	1494.65	-469.63	1382.20	1459.76	2.87	36	23	27.455	107	55	21.698	
2576.00	90.13	107.36	1494.82	-478.81	1411.80	1490.75	2.95	36	23	27.365	107	55	21.336	
2606.00	91.38	107.49	1494.42	-487.80	1440.42	1520.75	4.19	36	23	27.276	107	55	20.985	
2637.00	89.56	107.36	1494.17	-497.08	1470.00	1551.74	5.89	36	23	27.184	107	55	20.624	
2668.00	88.64	106.77	1494.65	-506.17	1499.63	1582.73	3.53	36	23	27.094	107	55	20.261	
2698.00	89.69	106.49	1495.09	-514.76	1528.37	1612.71	3.62	36	23	27.009	107	55	19.910	
2729.00	90.69	106.74	1494.99	-523.62	1558.08	1643.70	3.33	36	23	26.921	107	55	19.546	
2760.00	89.81	107.61	1494.85	-532.78	1587.69	1674.69	3.99	36	23	26.831	107	55	19.184	
2790.00	88.88	108.24	1495.19	-542.01	1616.23	1704.69	3.74	36	23	26.739	107	55	18.835	
2820.00	89.19	108.61	1495.70	-551.49	1644.69	1734.68	1.61	36	23	26.646	107	55	18.487	
2851.00	90.14	108.66	1495.88	-561.39	1674.07	1765.68	3.07	36	23	26.548	107	55	18.128	
2881.00	89.13	108.61	1496.07	-570.98	1702.49	1795.68	3.37	36	23	26.453	107	55	17.780	
2912.00	89.69	108.49	1496.39	-580.84	1731.88	1826.68	1.85	36	23	26.355	107	55	17.421	
2942.00	88.94	107.99	1496.75	-590.23	1760.37	1856.67	3.00	36	23	26.263	107	55	17.072	
2973.00	90.69	108.36	1496.85	-599.90	1789.82	1887.67	5.77	36	23	26.167	107	55	16.712	
3004.00	91.94	109.11	1496.14	-609.85	1819.17	1918.66	4.70	36	23	26.068	107	55	16.353	
3035.00	93.03	109.39	1494.79	-620.07	1848.41	1949.63	3.63	36	23	25.967	107	55	15.995	
3066.00	91.94	108.74	1493.45	-630.18	1877.68	1980.60	4.09	36	23	25.867	107	55	15.637	
3096.00	90.56	108.11	1492.80	-639.66	1906.14	2010.59	5.06	36	23	25.774	107	55	15.289	
3129.00	88.81	107.49	1492.98	-649.75	1937.55	2043.59	5.63	36	23	25.674	107	55	14.905	
3161.00	88.13	107.99	1493.83	-659.49	1968.02	2075.57	2.64	36	23	25.577	107	55	14.532	
3193.00	89.06	107.99	1494.62	-669.37	1998.45	2107.56	2.91	36	23	25.480	107	55	14.160	
3225.00	89.79	108.04	1494.94	-679.27	2028.88	2139.56	2.29	36	23	25.382	107	55	13.788	
3257.00	90.94	108.49	1494.73	-689.30	2059.26	2171.56	3.86	36	23	25.283	107	55	13.416	
3289.00	92.00	108.99	1493.91	-699.58	2089.56	2203.55	3.66	36	23	25.181	107	55	13.046	
3321.00	91.50	108.99	1492.94	-709.98	2119.80	2235.53	1.56	36	23	25.078	107	55	12.676	
3353.00	91.19	109.24	1492.18	-720.46	2150.03	2267.52	1.24	36	23	24.974	107	55	12.306	
3385.00	89.56	108.86	1491.98	-730.90	2180.27	2299.51	5.23	36	23	24.871	107	55	11.936	
3417.00	89.88	108.89	1492.13	-741.26	2210.55	2331.51	1.00	36	23	24.769	107	55	11.566	
3449.00	87.81	109.24	1492.78	-751.71	2240.79	2363.50	6.56	36	23	24.665	107	55	11.196	
3481.00	88.19	109.11	1493.89	-762.21	2271.00	2395.48	1.25	36	23	24.561	107	55	10.827	
3513.00	87.38	109.24	1495.13	-772.71	2301.20	2427.45	2.56	36	23	24.458	107	55	10.457	
3545.00	90.19	108.86	1495.81	-783.15	2331.44	2459.44	8.86	36	23	24.354	107	55	10.087	
3578.00	91.63	109.24	1495.28	-793.92	2362.62	2492.43	4.51	36	23	24.248	107	55	9.706	
3610.00	90.87	109.54	1494.59	-804.54	2392.80	2524.42	2.55	36	23	24.143	107	55	9.337	
3641.00	90.50	109.36	1494.22	-814.87	2422.03	2555.41	1.33	36	23	24.041	107	55	8.979	
3674.00	89.25	109.61	1494.29	-825.87	2453.14	2588.40	3.86	36	23	23.932	107	55	8.599	
3706.00	87.63	108.86	1495.16	-836.41	2483.34	2620.38	5.58	36	23	23.827	107	55	8.229	
3738.00	88.25	108.36	1496.31	-846.62	2513.65	2652.36	2.49	36	23	23.727	107	55	7.859	
3770.00	89.13	108.36	1497.04	-856.69	2544.01	2684.36	2.75	36	23	23.627	107	55	7.487	
3802.00	90.17	108.22	1497.24	-866.74	2574.39	2716.35	3.28	36	23	23.527	107	55	7.116	
3834.00	91.00	107.99	1496.91	-876.68	2604.81	2748.35	2.69	36	23	23.429	107	55	6.744	
3866.00	91.25	108.11	1496.28	-886.59	2635.23	2780.35	0.87	36	23	23.331	107	55	6.372	
3899.00	91.94	107.86	1495.36	-896.78	2666.60	2813.33	2.22	36	23	23.230	107	55	5.988	
3931.00	90.00	107.86	1494.82	-906.59	2697.05	2845.32	6.06	36	23	23.133	107	55	5.615	
3963.00	89.13	107.86	1495.06	-916.40	2727.51	2877.32	2.72	36	23	23.036	107	55	5.243	
3996.00	89.95	107.92	1495.33	-926.54	2758.91	2910.32	2.49	36	23	22.936	107	55	4.859	
4027.00	90.06	107.61	1495.33	-936.00	2788.43	2941.32	1.06	36	23	22.842	107	55	4.498	
4059.00	91.06	107.24	1495.01	-945.58	2818.96	2973.31	3.33	36	23	22.748	107	55	4.124	
4091.00	89.81	107.36	1494.77	-955.10	2849.51	3005.30	3.92	36	23	22.653	107	55	3.751	
4123.00	89.94	107.36	1494.84	-964.65	2880.06	3037.30	0.41	36	23	22.559	107	55	3.377	
4155.00	89.81	108.24	1494.91	-974.43	2910.52	3069.30	2.78	36	23	22.462	107	55	3.004	



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company:	XTO	Date:	12/23/2011	Time:	07:29:52	Page:	4
Field:	San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: ML King #21H, True North				
Site:	ML King #21H	Vertical (TVD) Reference:	SITE 6535.0				
Well:	ML King #21H	Section (VS) Reference:	Well (0.00N,0.00E,108.35Azi)				
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
4187.00	90.40	108.65	1494.85	-984.55	2940.88	3101.30	2.25	36	23	22.362	107	55	2.633	
4219.00	89.38	109.24	1494.91	-994.94	2971.15	3133.30	3.68	36	23	22.259	107	55	2.263	
4251.00	90.06	109.24	1495.07	-1005.49	3001.36	3165.29	2.12	36	23	22.155	107	55	1.893	
4284.00	88.88	109.61	1495.37	-1016.46	3032.48	3198.28	3.75	36	23	22.046	107	55	1.513	
4309.00	89.19	109.99	1495.80	-1024.93	3056.00	3223.27	1.96	36	23	21.963	107	55	1.225	
4340.00	89.81	109.99	1496.07	-1035.52	3085.13	3254.26	2.00	36	23	21.858	107	55	0.869	
4371.00	89.44	109.89	1496.27	-1046.10	3114.27	3285.24	1.24	36	23	21.753	107	55	0.513	
4402.00	89.88	109.74	1496.45	-1056.60	3143.43	3316.23	1.50	36	23	21.649	107	55	0.156	
4432.00	90.63	109.86	1496.32	-1066.77	3171.66	3346.22	2.53	36	23	21.549	107	54	59.811	
4462.00	91.50	110.11	1495.76	-1077.02	3199.85	3376.21	3.02	36	23	21.447	107	54	59.466	
4493.00	90.38	109.36	1495.25	-1087.48	3229.02	3407.19	4.35	36	23	21.344	107	54	59.109	
4524.00	89.00	108.49	1495.42	-1097.54	3258.34	3438.19	5.26	36	23	21.244	107	54	58.750	
4554.00	89.46	108.46	1495.82	-1107.04	3286.80	3468.19	1.54	36	23	21.150	107	54	58.402	
4585.00	90.31	108.11	1495.89	-1116.77	3316.23	3499.19	2.97	36	23	21.054	107	54	58.042	
4616.00	88.94	108.36	1496.09	-1126.47	3345.67	3530.18	4.49	36	23	20.958	107	54	57.682	
4646.00	87.50	107.86	1497.02	-1135.79	3374.17	3560.17	5.08	36	23	20.866	107	54	57.334	
4677.00	87.88	107.49	1498.27	-1145.19	3403.68	3591.14	1.71	36	23	20.773	107	54	56.973	
4707.00	88.44	107.86	1499.23	-1154.30	3432.25	3621.12	2.24	36	23	20.683	107	54	56.623	
4737.00	90.05	108.03	1499.63	-1163.54	3460.79	3651.12	5.40	36	23	20.591	107	54	56.274	
4768.00	91.25	107.61	1499.28	-1173.03	3490.30	3682.12	4.10	36	23	20.498	107	54	55.913	
4798.00	91.38	107.49	1498.59	-1182.07	3518.90	3712.10	0.59	36	23	20.408	107	54	55.564	
4830.00	92.38	107.36	1497.54	-1191.65	3549.41	3744.08	3.15	36	23	20.313	107	54	55.190	
4861.00	90.75	107.11	1496.69	-1200.83	3579.01	3775.06	5.32	36	23	20.223	107	54	54.828	
4891.00	90.88	107.11	1496.27	-1209.65	3607.68	3805.05	0.43	36	23	20.135	107	54	54.478	
4922.00	89.75	107.11	1496.10	-1218.77	3637.30	3836.05	3.65	36	23	20.045	107	54	54.115	
4952.00	89.25	107.24	1496.36	-1227.63	3665.96	3866.04	1.72	36	23	19.957	107	54	53.765	
4984.00	90.13	107.24	1496.53	-1237.12	3696.53	3898.03	2.75	36	23	19.864	107	54	53.391	
5016.00	89.38	107.74	1496.67	-1246.73	3727.05	3930.03	2.82	36	23	19.768	107	54	53.018	
5049.00	88.50	107.61	1497.28	-1256.75	3758.48	3963.02	2.70	36	23	19.669	107	54	52.633	
5081.00	89.13	107.74	1497.94	-1266.46	3788.97	3995.01	2.01	36	23	19.573	107	54	52.260	
5112.00	88.81	107.24	1498.50	-1275.78	3818.53	4026.00	1.91	36	23	19.481	107	54	51.899	
5144.00	89.63	107.74	1498.93	-1285.40	3849.04	4057.99	3.00	36	23	19.386	107	54	51.526	
5176.00	89.06	108.24	1499.30	-1295.28	3879.48	4089.99	2.37	36	23	19.288	107	54	51.153	
5208.00	89.81	108.11	1499.61	-1305.26	3909.88	4121.99	2.38	36	23	19.189	107	54	50.782	
5240.00	90.69	107.86	1499.47	-1315.14	3940.32	4153.99	2.86	36	23	19.092	107	54	50.409	
5272.00	89.63	108.11	1499.38	-1325.02	3970.75	4185.99	3.40	36	23	18.994	107	54	50.037	
5304.00	89.50	107.86	1499.63	-1334.90	4001.19	4217.98	0.88	36	23	18.896	107	54	49.665	
5336.00	90.38	107.74	1499.66	-1344.68	4031.65	4249.98	2.78	36	23	18.799	107	54	49.292	
5368.00	91.38	107.24	1499.17	-1354.30	4062.17	4281.98	3.49	36	23	18.704	107	54	48.919	
5400.00	91.56	107.49	1498.35	-1363.85	4092.70	4313.96	0.96	36	23	18.610	107	54	48.546	
5432.00	91.45	108.00	1497.51	-1373.60	4123.17	4345.95	1.63	36	23	18.513	107	54	48.173	Last Wft Svy
5480.00	91.45	108.00	1496.29	-1388.42	4168.81	4393.93	0.00	36	23	18.367	107	54	47.615	4 1/2

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
250.00	250.00	9.625	12.250	9 5/8"
2046.00	1499.02	7.000	8.750	7"
5480.00	1496.29	4.500	6.125	4 1/2"



Weatherford International Ltd.
WFT Survey Report Lat, Long



Weatherford

Company: XTO	Date: 12/23/2011	Time: 07:29:52	Page: 5
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: ML King #21H, True North	
Site: ML King #21H	Vertical (TVD) Reference:	SITE 6535.0	
Well: ML King #21H	Section (VS) Reference:	Well (0.00N,0.00E,108.35Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Annotation

MD ft	TVD ft	
285.00	285.00	First Wft Svy
5432.00	1497.51	Last Wft Svy
5480.00	1496.29	Proj To Bit

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
612.07	612.00	Ojo Alamo SS		0.00	0.00
802.43	799.00	Kirtland Shale		0.00	0.00
1057.83	1031.00	Fruitland Formation		0.00	0.00
1589.37	1392.00	Middle Fruitland Coal		0.00	0.00
	0.00	Lower Fruitland Coal		0.00	0.00
	0.00	Base of Lower Coal		0.00	0.00