

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

RCVD SEP 10 '08
AMENDED REPORT
OIL CONS. DIV.
DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-33575	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 303831	⁵ Property Name GRASSY CANYON	⁶ Well Number 7
⁷ OGRID No. 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6893'

¹⁰ Surface Location

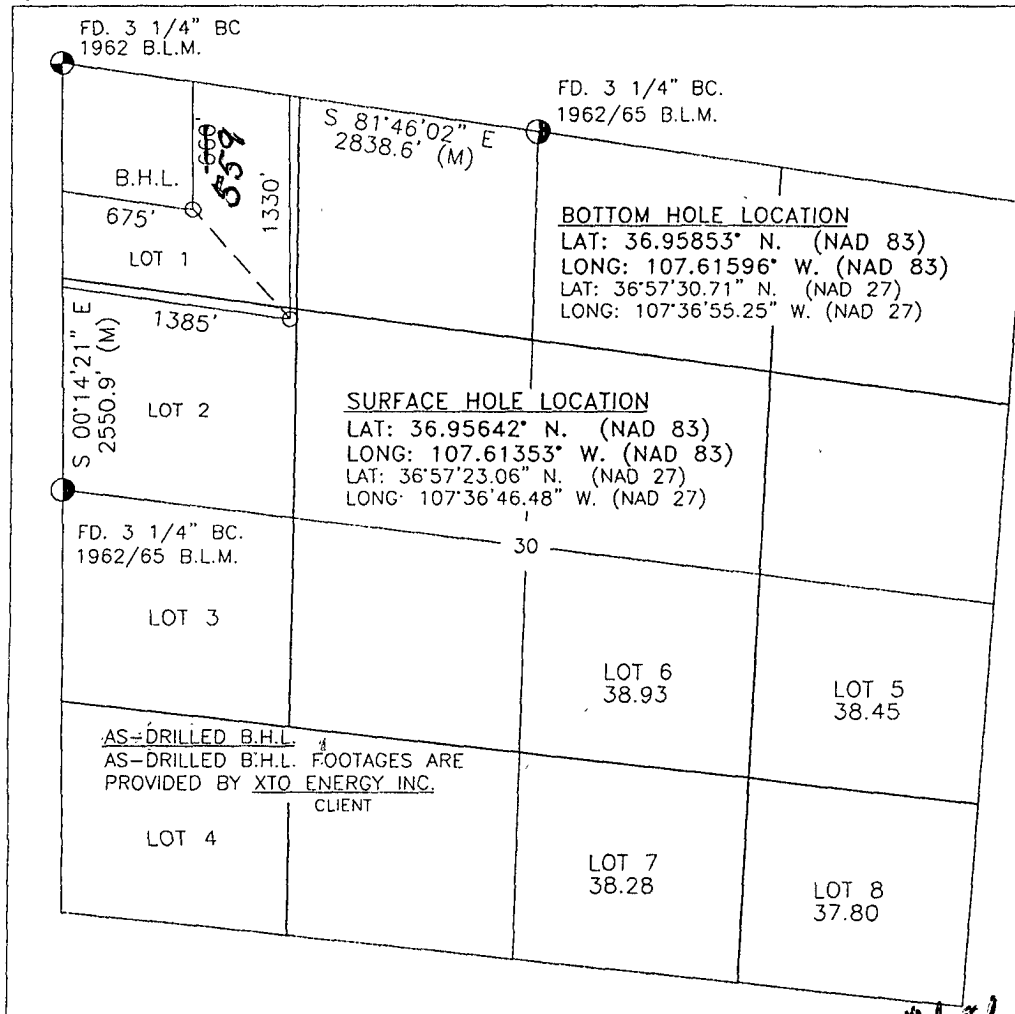
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	30	32-N	7-W	2	1330	NORTH	1385	WEST	SAN JUAN

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
D	30	32-N	7-W	1	660 559	NORTH	675	WEST	SAN JUAN

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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.

Dolena Johnson
Signature Date
Dolena Johnson
Printed Name
08-13-08

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.

ROY A. RUSH
AUGUST 5, 2008
Date of Survey
Signature and Seal of Professional Surveyor:
8894
08-07-08
PROFESSIONAL LAND SURVEYOR
8894

Certificate Number

HOLD C104 FOR NSI



GRASSY CANYON #7
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	317 05	0 00	0 00	0 00	0 00	0 00	0 00	
2	400 00	0 00	317 05	400 00	0 00	0 00	0 00	0 00	0 00	
3	1129 29	21 88	317 05	1111 69	100 69	-93 73	3 00	317 05	137 56	
4	3118 36	21 88	317 05	2957 50	643 21	-598 76	0 00	0 00	878 77	
5	3514 31	10 00	317 05	3337 55	722 66	-672.71	3 00	180 00	987 31	
6	3983 90	10 00	317 05	3800 00	782 35	-728 27	0 00	0 00	1068 85	PBHL

LEGEND

— #7, I, Plan #1
— WFT SVY

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 bggm2007
System Datum Mean Sea Level
Local North True North

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL	3800 00	782 35	-728.27	36°57'30.848N	107°36'57.682W	Point

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#7	0 00	0 00	2167545 21	2787318 26	36°57'23.112N	107°36'48.708W	N/A

SITE DETAILS

Grassy Canyon #7
1330' FNL 1385' FWL of SEC 30, T-32-N, R-7-W

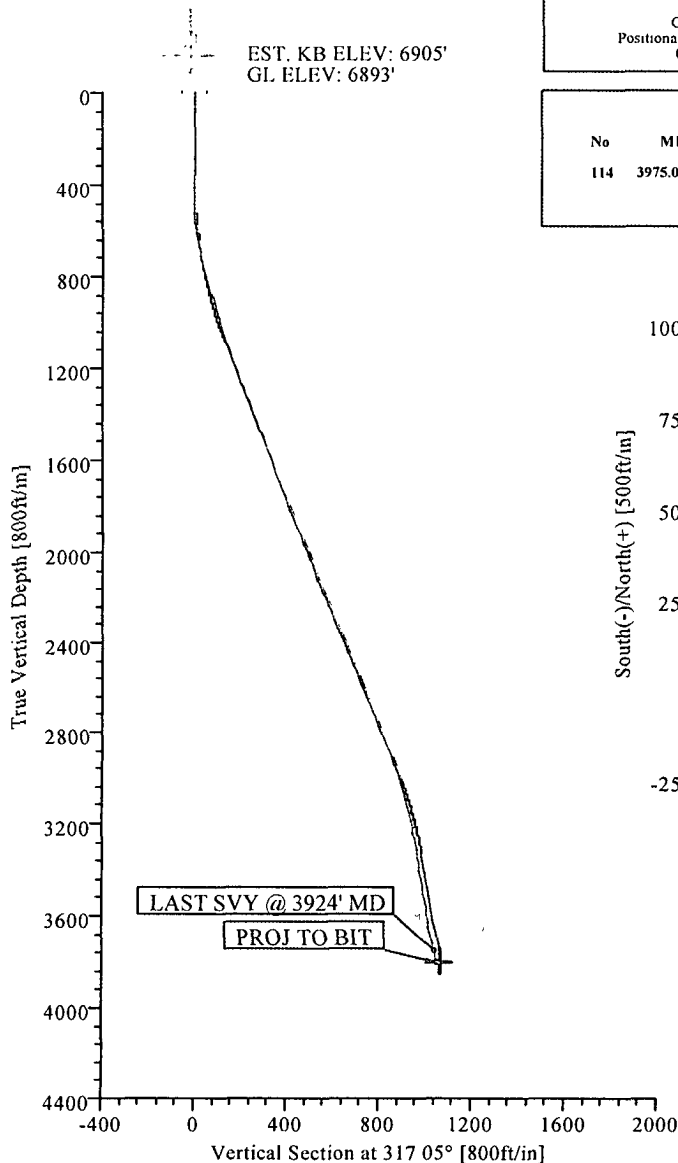
Site Centre Latitude 36°57'23.112N
Longitude 107°36'48.708W

Ground Level 6893.00
Positional Uncertainty 0.00
Convergence 0.13

RCVD SEP 10 '08

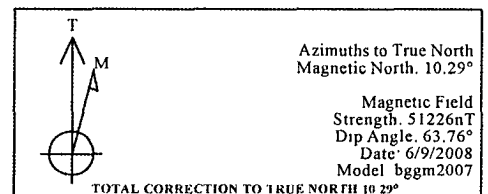
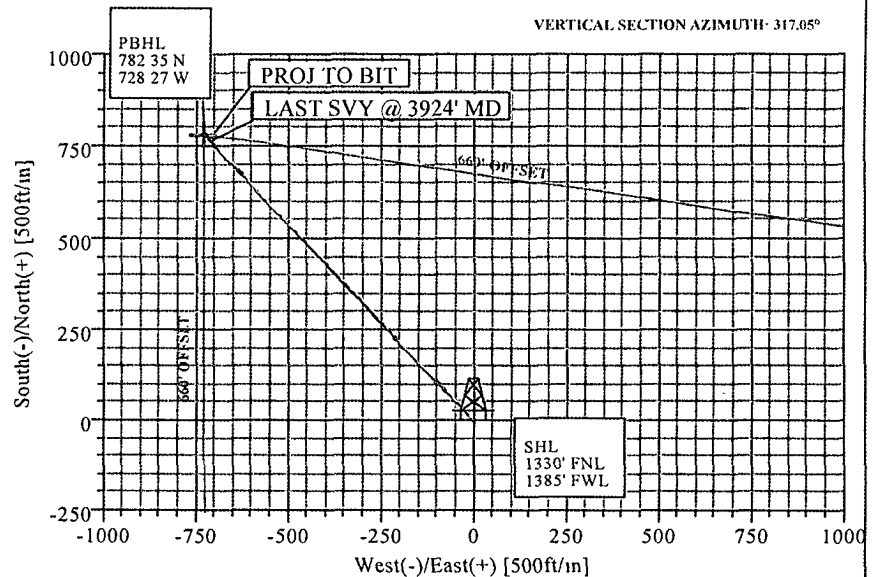
OIL CONS. DIV.

DIST. 3



Proj to Bit Survey: WFT SVY (#7/1)

No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
114	3975.00	10.99	322.17	3797.71	770.74	-710.15	0.00	0.00	1048.01



Survey: WFT SVY (#7/1)

Created By Lindsey Maddux Date 7/24/2008



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO	Date: 7/24/2008	Time: 07:45:47	Page: 1
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: #7, True North		
Site: Grassy Canyon #7	Vertical (TVD) Reference: SITE 6905.0		
Well: #7	Section (VS) Reference: Well (0.00N,0.00E,317.05Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: San Juan, NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Well Centre
Geomagnetic Model: bggm2007

Site: Grassy Canyon #7

1330' FNL 1385' FWL of SEC 30, T-32-N, R-7-W

Site Position:	Northing:	2167545.21 ft	Latitude:	36	57	23.112 N
From: Geographic	Easting:	2787318.26 ft	Longitude:	107	36	48.708 W
Position Uncertainty:	0.00 ft		North Reference:	True		
Ground Level:	6893.00 ft		Grid Convergence:	0.13 deg		

Well: #7

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	2167545.21 ft	Latitude:	36	57	23.112 N
	+E/-W	0.00 ft	Easting:	2787318.26 ft	Longitude:	107	36	48.708 W
Position Uncertainty:	0.00 ft							

Wellpath: 1

Current Datum:	SITE	Height	6905.00 ft	Drilled From:	Surface
Magnetic Data:	6/9/2008			Tie-on Depth:	0.00 ft
Field Strength:	51226 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	10.29 deg
	ft	ft		Mag Dip Angle:	63.76 deg
				+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	317.05

Survey: WFT SVY

Start Date: 6/13/2008

Company: Weatherford International, Inc
Tool: MWD;MWD - Standard

Engineer: Lindsey Maddux
Tied-to: User Defined

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
364.00	0.63	148.42	363.99	-1.70	1.05	-1.96	0.00	0.00	0.00	MWD
396.00	0.66	151.38	395.99	-2.01	1.23	-2.31	0.14	0.09	9.25	MWD
428.00	0.05	89.70	427.99	-2.17	1.33	-2.50	1.99	-1.91	-192.75	MWD
459.00	1.25	322.79	458.98	-1.90	1.14	-2.17	4.13	3.87	-409.39	MWD
491.00	2.63	311.79	490.97	-1.14	0.38	-1.09	4.45	4.31	-34.37	MWD
523.00	4.00	311.42	522.91	0.09	-1.00	0.75	4.28	4.28	-1.16	MWD
555.00	5.19	315.54	554.81	1.86	-2.85	3.31	3.86	3.72	12.87	MWD
587.00	6.56	318.54	586.64	4.27	-5.08	6.58	4.39	4.28	9.37	MWD
618.00	8.31	319.04	617.38	7.28	-7.72	10.59	5.65	5.65	1.61	MWD
650.00	10.00	318.04	648.97	11.10	-11.09	15.68	5.30	5.28	-3.12	MWD
682.00	11.38	319.42	680.41	15.56	-15.00	21.61	4.39	4.31	4.31	MWD
714.00	12.81	318.42	711.70	20.61	-19.41	28.31	4.52	4.47	-3.12	MWD
746.00	14.00	318.92	742.83	26.18	-24.31	35.73	3.74	3.72	1.56	MWD
778.00	15.06	317.92	773.81	32.19	-29.64	43.75	3.40	3.31	-3.12	MWD
809.00	16.13	318.17	803.66	38.39	-35.21	52.09	3.46	3.45	0.81	MWD
841.00	16.56	317.29	834.37	45.05	-41.27	61.09	1.55	1.34	-2.75	MWD
873.00	16.69	317.29	865.03	51.78	-47.48	70.25	0.41	0.41	0.00	MWD
905.00	16.94	316.67	895.66	58.54	-53.79	79.50	0.96	0.78	-1.94	MWD
937.00	17.13	316.42	926.26	65.35	-60.24	88.88	0.64	0.59	-0.78	MWD
969.00	17.19	316.04	956.84	72.17	-66.77	98.32	0.40	0.19	-1.19	MWD
1001.00	17.38	315.42	987.39	78.97	-73.41	107.82	0.83	0.59	-1.94	MWD
1033.00	17.50	314.54	1017.92	85.75	-80.19	117.41	0.91	0.37	-2.75	MWD
1065.00	17.81	314.54	1048.41	92.56	-87.11	127.10	0.97	0.97	0.00	MWD
1096.00	17.98	314.74	1077.91	99.25	-93.89	136.62	0.58	0.55	0.65	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO	Date: 7/24/2008	Time: 07:45:47	Page: 2
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: #7, True North		
Site: Grassy Canyon #7	Vertical (TVD) Reference: SITE 6905.0		
Well: #7	Section (VS) Reference: Well (0.00N,0.00E,317.05Azi)		
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
1128.00	19.00	317.67	1108.26	106.58	-100.90	146.76	4.31	3.19	9.16	MWD
1159.00	20.00	319.67	1137.48	114.35	-107.73	157.11	3.88	3.23	6.45	MWD
1191.00	20.31	318.79	1167.52	122.70	-114.93	168.12	1.36	0.97	-2.75	MWD
1223.00	20.88	316.04	1197.48	130.99	-122.55	179.38	3.51	1.78	-8.59	MWD
1255.00	21.38	314.67	1227.33	139.19	-130.66	190.91	2.20	1.56	-4.28	MWD
1287.00	21.88	316.67	1257.07	147.63	-138.90	202.70	2.78	1.56	6.25	MWD
1319.00	22.00	320.04	1286.76	156.56	-146.84	214.65	3.95	0.37	10.53	MWD
1351.00	22.31	320.79	1316.40	165.86	-154.53	226.69	1.31	0.97	2.34	MWD
1382.00	22.25	320.42	1345.08	174.95	-161.99	238.42	0.49	-0.19	-1.19	MWD
1413.00	21.44	317.42	1373.86	183.64	-169.56	249.95	4.45	-2.61	-9.68	MWD
1445.00	21.19	315.54	1403.67	192.08	-177.57	261.58	2.27	-0.78	-5.87	MWD
1477.00	21.38	314.29	1433.48	200.28	-185.80	273.19	1.54	0.59	-3.91	MWD
1509.00	21.56	314.17	1463.26	208.45	-194.19	284.88	0.58	0.56	-0.37	MWD
1540.00	21.23	316.66	1492.13	216.50	-202.13	296.19	3.12	-1.06	8.03	MWD
1572.00	20.69	319.79	1522.01	225.03	-209.75	307.63	3.88	-1.69	9.78	MWD
1602.00	20.50	323.29	1550.10	233.29	-216.31	318.14	4.15	-0.63	11.67	MWD
1634.00	20.25	323.17	1580.09	242.21	-222.98	329.22	0.79	-0.78	-0.37	MWD
1665.00	20.56	321.79	1609.15	250.78	-229.57	339.98	1.85	1.00	-4.45	MWD
1697.00	20.68	321.29	1639.10	259.61	-236.58	351.21	0.67	0.37	-1.56	MWD
1729.00	20.50	320.42	1669.05	268.34	-243.68	362.44	1.11	-0.56	-2.72	MWD
1761.00	20.81	319.67	1699.00	276.99	-250.93	373.71	1.27	0.97	-2.34	MWD
1793.00	21.38	319.04	1728.85	285.73	-258.43	385.22	1.92	1.78	-1.97	MWD
1825.00	21.31	318.42	1758.66	294.48	-266.11	396.86	0.74	-0.22	-1.94	MWD
1856.00	21.31	318.42	1787.54	302.91	-273.59	408.13	0.00	0.00	0.00	MWD
1888.00	21.44	317.67	1817.34	311.58	-281.39	419.79	0.95	0.41	-2.34	MWD
1920.00	21.75	316.79	1847.09	320.23	-289.39	431.56	1.40	0.97	-2.75	MWD
1952.00	21.75	315.42	1876.81	328.77	-297.61	443.42	1.59	0.00	-4.28	MWD
1984.00	21.38	314.92	1906.57	337.11	-305.90	455.17	1.29	-1.16	-1.56	MWD
2016.00	21.06	315.42	1936.40	345.33	-314.06	466.75	1.15	-1.00	1.56	MWD
2048.00	21.63	315.92	1966.21	353.66	-322.20	478.39	1.87	1.78	1.56	MWD
2079.00	21.71	315.71	1995.02	361.87	-330.18	489.84	0.36	0.26	-0.68	MWD
2111.00	21.69	315.29	2024.75	370.30	-338.47	501.67	0.49	-0.06	-1.31	MWD
2142.00	21.44	314.29	2053.58	378.33	-346.56	513.05	1.43	-0.81	-3.23	MWD
2174.00	21.56	316.67	2083.35	386.69	-354.78	524.77	2.75	0.37	7.44	MWD
2206.00	21.81	317.29	2113.09	395.34	-362.85	536.60	1.06	0.78	1.94	MWD
2238.00	22.75	317.79	2142.70	404.29	-371.04	548.73	3.00	2.94	1.56	MWD
2270.00	22.63	318.67	2172.22	413.50	-379.26	561.07	1.13	-0.37	2.75	MWD
2302.00	22.56	318.67	2201.77	422.73	-387.38	573.36	0.22	-0.22	0.00	MWD
2333.00	21.94	318.29	2230.46	431.52	-395.16	585.09	2.05	-2.00	-1.23	MWD
2365.00	21.81	317.67	2260.15	440.37	-403.14	597.01	0.83	-0.41	-1.94	MWD
2397.00	21.63	317.29	2289.88	449.10	-411.14	608.86	0.71	-0.56	-1.19	MWD
2429.00	21.50	316.29	2319.64	457.67	-419.20	620.62	1.22	-0.41	-3.12	MWD
2461.00	21.75	316.04	2349.39	466.18	-427.36	632.41	0.83	0.78	-0.78	MWD
2493.00	21.81	316.17	2379.11	474.74	-435.60	644.28	0.24	0.19	0.41	MWD
2525.00	22.40	316.54	2408.75	483.45	-443.91	656.32	1.89	1.84	1.16	MWD
2557.00	22.63	316.67	2438.32	492.36	-452.32	668.57	0.74	0.72	0.41	MWD
2589.00	22.56	316.29	2467.86	501.27	-460.79	680.87	0.51	-0.22	-1.19	MWD
2621.00	22.56	316.04	2497.41	510.13	-469.29	693.14	0.30	0.00	-0.78	MWD
2653.00	22.38	315.04	2526.98	518.86	-477.86	705.37	1.32	-0.56	-3.12	MWD
2685.00	22.02	314.19	2556.61	527.35	-486.47	717.45	1.51	-1.12	-2.66	MWD
2716.00	22.13	312.92	2585.34	535.38	-494.91	729.08	1.58	0.35	-4.10	MWD
2749.00	21.75	314.29	2615.95	543.88	-503.84	741.38	1.93	-1.15	4.15	MWD
2780.00	21.75	314.54	2644.74	551.92	-512.04	752.86	0.30	0.00	0.81	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO
Field: San Juan, NM (NAD 83)
Site: Grassy Canyon #7
Well: #7
Wellpath: 1

Date: 7/24/2008 Time: 07:45:47 Page: 3
Co-ordinate(N/E) Reference: Well: #7, True North
Vertical (TVD) Reference: SITE 6905.0
Section (VS) Reference: Well (0.00N,0.00E,317.05Azi)
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
2811.00	21.94	314.79	2673.51	560.03	-520.25	764.38	0.68	0.61	0.81	MWD
2843.00	21.63	316.17	2703.23	568.49	-528.57	776.26	1.87	-0.97	4.31	MWD
2875.00	21.63	315.79	2732.98	576.97	-536.77	788.05	0.44	0.00	-1.19	MWD
2907.00	21.83	315.42	2762.70	585.44	-545.06	799.89	0.76	0.62	-1.16	MWD
2939.00	21.56	315.67	2792.43	593.88	-553.34	811.72	0.89	-0.84	0.78	MWD
2971.00	21.69	314.92	2822.18	602.26	-561.64	823.50	0.95	0.41	-2.34	MWD
3002.00	21.63	315.54	2850.99	610.39	-569.70	834.94	0.76	-0.19	2.00	MWD
3034.00	21.31	316.92	2880.77	618.84	-577.80	846.65	1.87	-1.00	4.31	MWD
3066.00	21.00	317.67	2910.62	627.33	-585.63	858.20	1.29	-0.97	2.34	MWD
3098.00	20.68	318.79	2940.52	635.82	-593.22	869.58	1.60	-1.00	3.50	MWD
3130.00	19.50	320.04	2970.58	644.16	-600.37	880.56	3.92	-3.69	3.91	MWD
3161.00	18.39	319.37	2999.90	651.84	-606.88	890.62	3.65	-3.58	-2.16	MWD
3193.00	17.31	317.54	3030.36	659.19	-613.38	900.42	3.80	-3.37	-5.72	MWD
3225.00	16.13	316.42	3061.00	665.92	-619.66	909.63	3.82	-3.69	-3.50	MWD
3257.00	14.94	316.92	3091.83	672.15	-625.54	918.20	3.74	-3.72	1.56	MWD
3287.00	14.00	316.99	3120.88	677.63	-630.66	925.69	3.13	-3.13	0.23	MWD
3318.00	12.75	317.17	3151.04	682.88	-635.54	932.86	4.03	-4.03	0.58	MWD
3351.00	12.06	317.17	3183.27	688.08	-640.36	939.95	2.09	-2.09	0.00	MWD
3383.00	11.13	316.17	3214.62	692.76	-644.77	946.38	2.97	-2.91	-3.12	MWD
3414.00	11.13	315.92	3245.03	697.07	-648.92	952.37	0.16	0.00	-0.81	MWD
3446.00	9.56	316.17	3276.51	701.20	-652.91	958.11	4.91	-4.91	0.78	MWD
3477.00	9.25	317.92	3307.09	704.91	-656.36	963.18	1.36	-1.00	5.65	MWD
3509.00	9.00	317.54	3338.69	708.66	-659.78	968.25	0.80	-0.78	-1.19	MWD
3541.00	9.31	316.17	3370.28	712.38	-663.26	973.34	1.18	0.97	-4.28	MWD
3573.00	9.31	316.67	3401.86	716.13	-666.83	978.52	0.25	0.00	1.56	MWD
3605.00	9.75	315.79	3433.42	719.95	-670.49	983.82	1.45	1.37	-2.75	MWD
3637.00	9.88	314.54	3464.95	723.82	-674.34	989.27	0.78	0.41	-3.91	MWD
3669.00	9.63	316.42	3496.49	727.69	-678.14	994.69	1.27	-0.78	5.87	MWD
3701.00	8.88	321.54	3528.07	731.56	-681.52	999.83	3.48	-2.34	16.00	MWD
3732.00	9.06	326.67	3558.69	735.47	-684.35	1004.62	2.64	0.58	16.55	MWD
3764.00	9.31	326.93	3590.28	739.75	-687.15	1009.65	0.79	0.78	0.81	MWD
3796.00	9.81	326.67	3621.84	744.19	-690.06	1014.89	1.57	1.56	-0.81	MWD
3828.00	10.25	324.54	3653.35	748.79	-693.21	1020.40	1.80	1.37	-6.66	MWD
3860.00	10.81	321.86	3684.81	753.47	-696.71	1026.21	2.32	1.75	-8.37	MWD
3892.00	11.00	322.17	3716.23	758.24	-700.44	1032.24	0.62	0.59	0.97	MWD
3924.00	10.99	322.17	3747.64	763.06	-704.18	1038.32	0.03	-0.03	0.00	LAST SVY @ 3924' MD
3975.00	10.99	322.17	3797.71	770.74	-710.15	1048.01	0.00	0.00	0.00	PROJ TO BIT

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
300.00	0.000	0.000	8 5/8"	
3800.00	5.500	6.000	5 1/2"	

Annotation

MD ft	TVD ft	Annotation
3924.00	3747.64	LAST SVY @ 3924' MD
3975.00	3797.71	PROJ TO BIT