

"AS DRILLED"

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

DISTRICT II
1301 W. Grand Ave., Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 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 19 08

AMENDED REPORT

OIL CONS. DIV.

DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34274	² Pool Code 71599/97232	³ Pool Name Basin Dakota / Basin Mancos
⁴ Property Code 22853	⁵ Property Name E.H. PIPKIN	⁶ Well Number 9F
⁷ OGRID No. 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5923'

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
N	35	28-N	11-W		995	SOUTH	2010	WEST	SAN JUAN

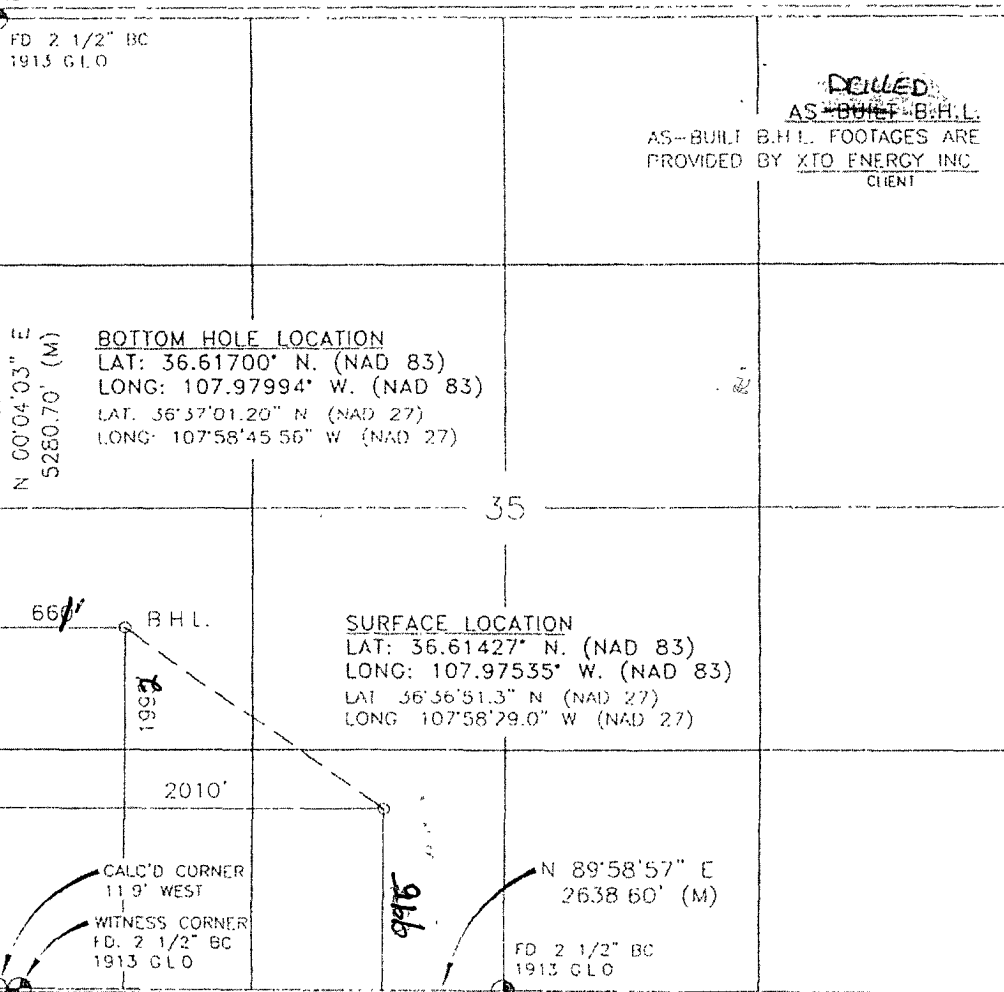
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	35	28-N	11-W		1992	SOUTH	66'	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

16



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 C Johnson
Signature
Dolena Johnson
Printed Name
08-05-08
Date

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

JULY 31
Date of Survey
Signature and Seal of Professional Land Surveyor
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
18894
08-05-08
8894
Certificate Number



EH PIPKIN #9F
SAN JUAN CO., NM



Weatherford

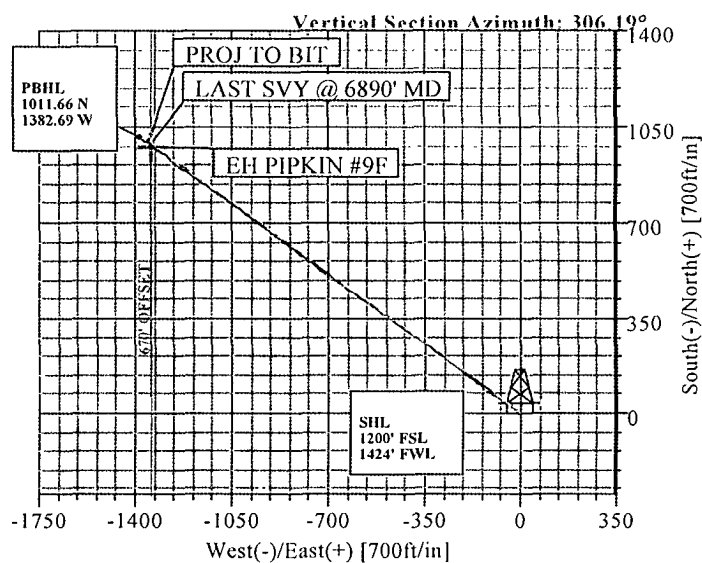
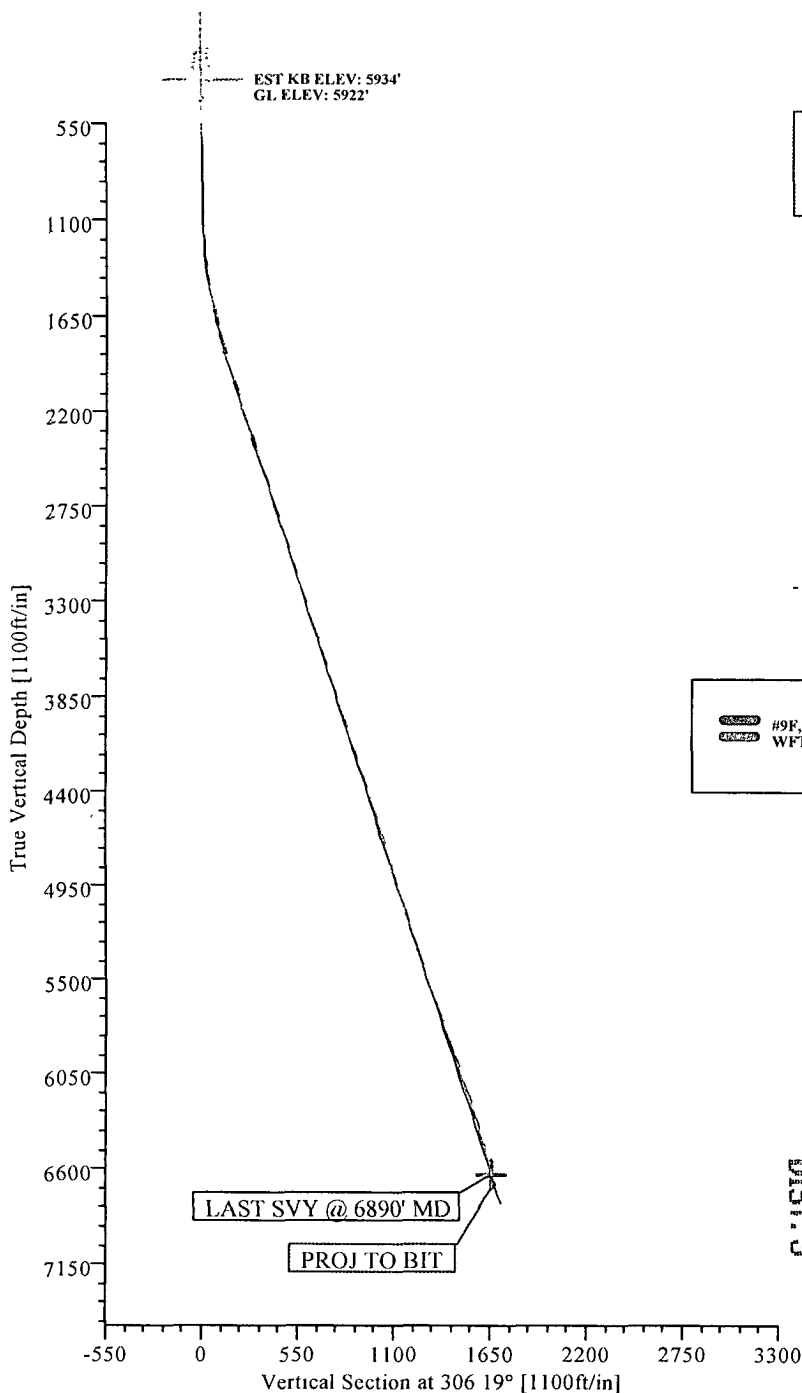
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	306.19	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	306.19	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1869.18	17.72	306.19	1855.39	78.74	-107.61	2.04	306.19	133.34	
4	6881.60	17.72	306.19	6630.00	979.59	-1338.85	0.00	0.00	1658.95	EH PIPKIN #9F
5	7060.07	17.72	306.19	6800.00	1011.66	-1382.69	0.00	0.00	1713.27	

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
#9F	0.00	0.00	2042939.87	2681418.46	36°36'51.370N	107°58'31.260W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
EH PIPKIN #9F	6630.00	979.59	-1338.85	36°37'01.057N	107°58'47.684W	Point

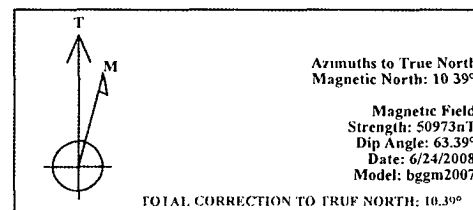
SITE DETAILS	
E.H. Pipkin #9F	
995' FSL 2010' FWL of SEC 35, T-2S-N, R-11-W	
Site Centre Latitude: 36°36'51.370N	
Longitude: 107°58'31.260W	
Ground Level: 5922.00	
Positional Uncertainty: 0.00	
Convergence: -0.08	

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	



LEGEND	
	#9F, Plan #1
	WFT SVY

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	709.00	709.04	Ojo Alamo SS
2	798.00	798.04	Kirtland Shale
3	1305.00	1305.65	Fruitland Formation
4	1791.00	1799.82	Lower Fruitland Coal
5	1803.00	1812.27	Pictured Cliffs
6	1970.00	1987.39	Lewis Shale
7	2736.00	2794.24	Chacra SS
8	3371.00	3460.75	Cliffhouse
9	3475.00	3570.49	Mencio
10	4197.00	4328.62	Point Lookout SS
11	4503.00	4650.39	Mancos Shale
12	5390.00	5579.04	Gallup
13	6194.00	6428.89	Greenhorn
14	6250.00	6487.40	Graneros Shale
15	6280.00	6518.70	Dakota
16	6305.00	6544.76	Dakota 2
17	6353.00	6594.87	Dakota 3
18	6390.00	6633.56	Dakota 4
19	6439.00	6684.57	Dakota 5
20	6473.00	6719.81	Dakota 6
21	6500.00	6747.75	Burro Canyon
22	6530.00	6778.78	Morrison



Survey: WFT SVY (#9F/1)	
Created By: Lindsey Maddux	Date: 7/25/2008



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO	Date: 7/25/2008	Time: 11:18.05	Page: 1
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #9F, True North	
Site: E.H. Pipkin #9F	Vertical (TVD) Reference:	SITE 5934.0	
Well: #9F	Section (VS) Reference:	Well (0.00N,0.00E,306.19Azi)	
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 LevelMap Zone: New Mexico, Western Zone
Coordinate System: Well Centre
Geomagnetic Model: bggm2007

Site: E.H. Pipkin #9F

995' FSL 2010' FWL of SEC 35, T-25-N, R-11-W

Site Position:	Northings:	2042939.87 ft	Latitude:	36 36 51 370 N
From: Geographic	Easting:	2681418.46 ft	Longitude:	107 58 31.260 W
Position Uncertainty:	0.00 ft		North Reference:	True
Ground Level:	5922.00 ft		Grid Convergence:	-0.08 deg

Well: #9F

Slot Name:

Well Position:	+N/-S	0.00 ft	Northings:	2042939.87 ft	Latitude:	36 36 51 370 N
	+E/-W	0.00 ft	Easting:	2681418.46 ft	Longitude:	107 58 31 260 W
Position Uncertainty:	0.00 ft					

Wellpath: 1

Current Datum:	SITE	Height	5934.00 ft	Drilled From:	Surface
Magnetic Data:	6/24/2008			Tie-on Depth:	0.00 ft
Field Strength:	50973 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	10.39 deg
	ft	ft		Mag Dip Angle:	63.39 deg
				+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	306.19

Survey: WFT SVY

Start Date: 7/8/2008

Company: Weatherford International, Inc
Tool: MWD;MWD - StandardEngineer: Lindsey Maddux
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
360.01	0.66	294.14	360.00	0.84	-1.88	2.02	0.18	0.18	0.00	8 5/8"
411.00	0.75	294.14	410.99	1.10	-2.45	2.63	0.18	0.18	0.00	MWD
502.00	0.81	286.89	501.98	1.53	-3.61	3.82	0.13	0.07	-7.97	MWD
594.00	0.75	296.27	593.97	1.99	-4.78	5.03	0.15	-0.07	10.20	MWD
685.00	0.81	292.89	684.96	2.50	-5.90	6.24	0.08	0.07	-3.71	MWD
777.00	0.56	302.17	776.96	2.99	-6.88	7.32	0.30	-0.27	10.09	MWD
871.00	0.69	303.27	870.95	3.55	-7.74	8.34	0.14	0.14	1.17	MWD
933.00	0.50	291.02	932.95	3.85	-8.31	8.98	0.37	-0.31	-19.76	MWD
964.00	0.56	299.27	963.95	3.97	-8.57	9.26	0.31	0.19	26.61	MWD
996.00	0.69	305.02	995.94	4.16	-8.86	9.61	0.45	0.41	17.97	MWD
1027.00	1.19	305.89	1026.94	4.45	-9.28	10.12	1.61	1.61	2.81	MWD
1057.00	1.75	301.39	1056.93	4.88	-9.92	10.88	1.90	1.87	-15.00	MWD
1089.00	2.31	308.39	1088.91	5.53	-10.84	12.02	1.91	1.75	21.87	MWD
1120.00	2.50	304.27	1119.88	6.30	-11.89	13.32	0.83	0.61	-13.29	MWD
1151.00	3.25	307.64	1150.84	7.22	-13.14	14.87	2.48	2.42	10.87	MWD
1181.00	3.69	306.89	1180.79	8.32	-14.59	16.68	1.47	1.47	-2.50	MWD
1211.00	4.06	308.89	1210.72	9.56	-16.19	18.71	1.31	1.23	6.67	MWD
1242.00	4.69	311.77	1241.63	11.10	-17.99	21.07	2.15	2.03	9.29	MWD
1273.00	5.31	313.02	1272.51	12.92	-19.98	23.75	2.03	2.00	4.03	MWD
1304.00	5.94	310.64	1303.36	14.94	-22.25	26.78	2.17	2.03	-7.68	MWD
1335.00	6.69	306.89	1334.17	17.07	-24.91	30.18	2.76	2.42	-12.10	MWD
1366.00	7.13	309.64	1364.95	19.38	-27.83	33.91	1.78	1.42	8.87	MWD
1398.00	7.63	311.52	1396.68	22.06	-30.95	38.01	1.73	1.56	5.87	MWD



Weatherford International, Inc.

Survey Report

**Weatherford®**

Company: XTO	Date: 7/25/2008	Time: 11:18:05	Page: 2
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: #9F, True North		
Site: E.H. Pipkin #9F	Vertical (TVD) Reference: SITE 5934.0		
Well: #9F	Section (VS) Reference: Well (0.00N,0.00E,306.19Azi)		
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
1429.00	7.94	310.77	1427.40	24.82	-34.12	42.19	1.05	1.00	-2.42	MWD
1460.00	8.25	310.14	1458.09	27.65	-37.44	46.54	1.04	1.00	-2.03	MWD
1491.00	8.81	307.39	1488.75	30.53	-41.03	51.13	2.23	1.81	-8.87	MWD
1522.00	9.38	308.02	1519.36	33.52	-44.90	56.03	1.87	1.84	2.03	MWD
1553.00	9.75	303.77	1549.92	36.54	-49.07	61.18	2.57	1.19	-13.71	MWD
1585.00	10.44	302.02	1581.43	39.58	-53.78	66.78	2.36	2.16	-5.47	MWD
1616.00	11.13	299.64	1611.88	42.55	-58.77	72.55	2.65	2.23	-7.68	MWD
1647.00	11.63	298.27	1642.27	45.51	-64.12	78.62	1.83	1.61	-4.42	MWD
1678.00	12.38	298.77	1672.59	48.59	-69.78	85.01	2.44	2.42	1.61	MWD
1709.00	12.94	298.26	1702.84	51.83	-75.75	91.74	1.84	1.81	-1.65	MWD
1740.00	13.38	298.89	1733.03	55.21	-81.95	98.74	1.49	1.42	2.03	MWD
1770.00	14.25	300.02	1762.16	58.73	-88.19	105.85	3.04	2.90	3.77	MWD
1801.00	15.25	301.89	1792.14	62.80	-94.95	113.71	3.57	3.23	6.03	MWD
1832.00	16.38	301.89	1821.96	67.26	-102.13	122.14	3.65	3.65	0.00	MWD
1863.00	17.69	303.89	1851.60	72.20	-109.75	131.20	4.63	4.23	6.45	MWD
1894.00	17.88	305.52	1881.12	77.59	-117.53	140.67	1.72	0.61	5.26	MWD
1925.00	18.00	305.39	1910.61	83.13	-125.31	150.22	0.41	0.39	-0.42	MWD
1955.00	17.88	306.89	1939.15	88.57	-132.77	159.46	1.59	-0.40	5.00	MWD
1986.00	17.63	308.02	1968.68	94.32	-140.28	168.91	1.37	-0.81	3.65	MWD
2017.00	17.81	308.14	1998.21	100.14	-147.70	178.34	0.59	0.58	0.39	MWD
2048.00	17.88	307.64	2027.72	105.98	-155.20	187.83	0.54	0.23	-1.61	MWD
2080.00	17.69	308.02	2058.19	111.97	-162.92	197.60	0.70	-0.59	1.19	MWD
2111.00	17.06	307.39	2087.77	117.63	-170.24	206.86	2.12	-2.03	-2.03	MWD
2143.00	16.81	307.27	2118.38	123.29	-177.66	216.18	0.79	-0.78	-0.37	MWD
2174.00	17.00	307.39	2148.04	128.75	-184.82	225.19	0.62	0.61	0.39	MWD
2205.00	16.69	307.02	2177.71	134.18	-191.98	234.17	1.06	-1.00	-1.19	MWD
2236.00	17.25	307.52	2207.36	139.66	-199.18	243.22	1.87	1.81	1.61	MWD
2268.00	18.00	308.89	2237.86	145.66	-206.79	252.90	2.68	2.34	4.28	MWD
2300.00	17.63	308.64	2268.33	151.79	-214.42	262.68	1.18	-1.16	-0.78	MWD
2332.00	17.50	309.39	2298.84	157.87	-221.93	272.32	0.82	-0.41	2.34	MWD
2363.00	17.75	311.64	2328.38	163.96	-229.06	281.68	2.34	0.81	7.26	MWD
2394.00	18.38	311.77	2357.85	170.36	-236.24	291.25	2.04	2.03	0.42	MWD
2425.00	19.00	311.14	2387.22	176.94	-243.68	301.14	2.10	2.00	-2.03	MWD
2456.00	19.31	309.52	2416.50	183.52	-251.44	311.29	1.98	1.00	-5.23	MWD
2487.00	19.81	309.39	2445.71	190.11	-259.45	321.65	1.62	1.61	-0.42	MWD
2518.00	19.94	309.02	2474.87	196.77	-267.62	332.17	0.58	0.42	-1.19	MWD
2549.00	19.50	307.89	2504.05	203.28	-275.81	342.62	1.88	-1.42	-3.65	MWD
2580.00	19.50	308.02	2533.27	209.64	-283.97	352.97	0.14	0.00	0.42	MWD
2611.00	19.69	308.52	2562.48	216.08	-292.13	363.36	0.82	0.61	1.61	MWD
2643.00	19.63	307.77	2592.61	222.73	-300.60	374.12	0.81	-0.19	-2.34	MWD
2673.00	19.13	307.77	2620.91	228.83	-308.46	384.07	1.67	-1.67	0.00	MWD
2704.00	18.63	308.14	2650.24	235.00	-316.37	394.09	1.66	-1.61	1.19	MWD
2735.00	18.06	307.02	2679.67	240.95	-324.11	403.85	2.16	-1.84	-3.61	MWD
2766.00	18.13	307.89	2709.13	246.81	-331.75	413.47	0.90	0.23	2.81	MWD
2797.00	17.75	306.52	2738.63	252.58	-339.35	423.02	1.83	-1.23	-4.42	MWD
2828.00	17.75	307.39	2768.15	258.26	-346.90	432.47	0.86	0.00	2.81	MWD
2859.00	18.06	306.27	2797.65	263.97	-354.53	442.00	1.49	1.00	-3.61	MWD
2891.00	18.19	306.77	2828.06	269.90	-362.53	451.95	0.63	0.41	1.56	MWD
2922.00	18.06	305.89	2857.52	275.61	-370.30	461.60	0.98	-0.42	-2.84	MWD
2953.00	17.75	304.64	2887.02	281.12	-378.08	471.13	1.59	-1.00	-4.03	MWD
2984.00	17.56	304.89	2916.56	286.48	-385.81	480.52	0.66	-0.61	0.81	MWD
3015.00	17.50	306.14	2946.12	291.90	-393.41	489.86	1.23	-0.19	4.03	MWD
3047.00	17.38	305.39	2976.65	297.51	-401.19	499.45	0.80	-0.37	-2.34	MWD



Weatherford International, Inc.

Survey Report

**Weatherford®**

Company: XTO	Date: 7/25/2008	Time: 11:18:05	Page: 3
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: #9F, True North		
Site: E.H. Pipkin #9F	Vertical (TVD) Reference: SITE 5934.0		
Well: #9F	Section (VS) Reference: Well (0.00N,0.00E,306.19Azi)		
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
3078.00	17.06	305.02	3006.26	302.80	-408.69	508.63	1.09	-1.03	-1.19	MWD
3109.00	17.06	305.64	3035.90	308.06	-416.11	517.72	0.59	0.00	2.00	MWD
3140.00	17.38	305.52	3065.51	313.40	-423.57	526.90	1.04	1.03	-0.39	MWD
3171.00	17.31	305.14	3095.10	318.74	-431.11	536.14	0.43	-0.23	-1.23	MWD
3202.00	16.94	305.52	3124.72	324.02	-438.56	545.26	1.25	-1.19	1.23	MWD
3234.00	17.56	305.02	3155.28	329.50	-446.31	554.75	1.99	1.94	-1.56	MWD
3264.00	18.06	304.52	3183.85	334.73	-453.84	563.93	1.74	1.67	-1.67	MWD
3295.00	17.94	304.14	3213.33	340.13	-461.75	573.50	0.54	-0.39	-1.23	MWD
3326.00	17.69	305.02	3242.84	345.51	-469.56	582.98	1.19	-0.81	2.84	MWD
3357.00	17.75	303.89	3272.37	350.85	-477.34	592.41	1.13	0.19	-3.65	MWD
3388.00	18.00	303.89	3301.88	356.16	-485.24	601.92	0.81	0.81	0.00	MWD
3419.00	18.13	303.64	3331.35	361.50	-493.23	611.52	0.49	0.42	-0.81	MWD
3451.00	18.31	305.14	3361.74	367.15	-501.49	621.52	1.57	0.56	4.69	MWD
3482.00	18.38	307.32	3391.17	372.92	-509.36	631.28	2.22	0.23	7.03	MWD
3512.00	18.56	306.52	3419.62	378.63	-516.96	640.78	1.04	0.60	-2.67	MWD
3544.00	18.88	307.77	3449.93	384.83	-525.14	651.05	1.60	1.00	3.91	MWD
3575.00	18.75	306.77	3479.27	390.88	-533.10	661.04	1.12	-0.42	-3.23	MWD
3606.00	18.44	306.77	3508.66	396.80	-541.01	670.93	1.00	-1.00	0.00	MWD
3637.00	17.94	306.64	3538.11	402.58	-548.77	680.61	1.62	-1.61	-0.42	MWD
3669.00	17.25	305.39	3568.61	408.27	-556.60	690.28	2.46	-2.16	-3.91	MWD
3700.00	16.94	305.14	3598.24	413.53	-564.04	699.39	1.03	-1.00	-0.81	MWD
3731.00	17.56	306.02	3627.84	418.88	-571.51	708.58	2.17	2.00	-2.84	MWD
3762.00	17.81	306.52	3657.38	424.46	-579.10	718.00	0.94	0.81	1.61	MWD
3792.00	17.50	306.52	3685.97	429.87	-586.42	727.10	1.03	-1.03	0.00	MWD
3824.00	17.00	306.64	3716.53	435.52	-594.04	736.59	1.57	-1.56	0.37	MWD
3855.00	16.88	306.14	3746.18	440.88	-601.31	745.62	0.61	-0.39	-1.61	MWD
3886.00	17.38	305.14	3775.81	446.20	-608.73	754.75	1.87	1.61	-3.23	MWD
3917.00	17.94	305.27	3805.35	451.62	-616.41	764.15	1.81	1.81	0.42	MWD
3948.00	18.19	304.64	3834.82	457.13	-624.29	773.76	1.02	0.81	-2.03	MWD
3980.00	18.31	303.64	3865.21	462.76	-632.59	783.78	1.05	0.37	-3.12	MWD
4011.00	18.25	303.64	3894.64	468.14	-640.68	793.49	0.19	-0.19	0.00	MWD
4041.00	18.06	303.14	3923.15	473.29	-648.48	802.83	0.82	-0.63	-1.67	MWD
4073.00	17.81	304.02	3953.60	478.74	-656.69	812.67	1.15	-0.78	2.75	MWD
4104.00	17.94	304.39	3983.10	484.09	-664.56	822.18	0.56	0.42	1.19	MWD
4135.00	17.69	305.52	4012.61	489.52	-672.34	831.66	1.38	-0.81	3.65	MWD
4166.00	17.56	303.89	4042.16	494.86	-680.05	841.04	1.65	-0.42	-5.26	MWD
4197.00	17.94	304.39	4071.68	500.17	-687.87	850.49	1.32	1.23	1.61	MWD
4228.00	18.19	304.77	4101.15	505.62	-695.79	860.10	0.89	0.81	1.23	MWD
4260.00	17.94	305.02	4131.58	511.30	-703.93	870.02	0.82	-0.78	0.78	MWD
4291.00	17.50	306.52	4161.11	516.81	-711.58	879.45	2.05	-1.42	4.84	MWD
4322.00	17.31	307.14	4190.69	522.37	-719.01	888.73	0.86	-0.61	2.00	MWD
4353.00	17.88	307.27	4220.24	528.04	-726.47	898.09	1.84	1.84	0.42	MWD
4385.00	18.19	307.27	4250.66	534.04	-734.35	908.00	0.97	0.97	0.00	MWD
4416.00	18.31	307.27	4280.10	539.92	-742.08	917.71	0.39	0.39	0.00	MWD
4447.00	18.44	306.89	4309.52	545.81	-749.88	927.48	0.57	0.42	-1.23	MWD
4478.00	18.25	307.02	4338.95	551.67	-757.67	937.23	0.63	-0.61	0.42	MWD
4509.00	18.00	307.77	4368.41	557.53	-765.33	946.87	1.10	-0.81	2.42	MWD
4540.00	17.75	306.64	4397.91	563.28	-772.91	956.39	1.38	-0.81	-3.65	MWD
4571.00	17.75	307.52	4427.44	568.98	-780.45	965.84	0.87	0.00	2.84	MWD
4603.00	17.94	306.89	4457.90	574.91	-788.26	975.64	0.85	0.59	-1.97	MWD
4634.00	17.88	307.64	4487.40	580.68	-795.85	985.17	0.77	-0.19	2.42	MWD
4665.00	17.50	306.64	4516.93	586.37	-803.36	994.59	1.57	-1.23	-3.23	MWD
4696.00	17.19	306.77	4546.52	591.89	-810.77	1003.83	1.01	-1.00	0.42	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO	Date: 7/25/2008	Time: 11:18:05	Page: 4
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #9F, True North	
Site: E.H. Pipkin #9F	Vertical (TVD) Reference:	SITE 5934.0	
Well: #9F	Section (VS) Reference:	Well (0.00N,0.00E,306.19Azi)	
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
4727.00	17.31	307.89	4576.13	597.47	-818.08	1013.02	1.14	0.39	3.61	MWD
4759.00	17.31	306.64	4606.68	603.23	-825.65	1022.54	1.16	0.00	-3.91	MWD
4790.00	17.00	306.14	4636.30	608.66	-833.01	1031.69	1.11	-1.00	-1.61	MWD
4821.00	16.56	306.14	4665.98	613.94	-840.24	1040.64	1.42	-1.42	0.00	MWD
4853.00	16.25	306.02	4696.68	619.26	-847.54	1049.67	0.97	-0.97	-0.37	MWD
4884.00	16.38	306.77	4726.43	624.43	-854.55	1058.38	0.80	0.42	2.42	MWD
4915.00	15.94	306.39	4756.20	629.57	-861.48	1067.01	1.46	-1.42	-1.23	MWD
4946.00	15.38	307.02	4786.05	634.57	-868.19	1075.38	1.89	-1.81	2.03	MWD
4978.00	15.50	307.77	4816.90	639.74	-874.96	1083.89	0.73	0.37	2.34	MWD
5009.00	15.38	307.89	4846.78	644.81	-881.48	1092.14	0.40	-0.39	0.39	MWD
5040.00	15.88	309.27	4876.63	650.01	-888.01	1100.49	2.01	1.61	4.45	MWD
5071.00	16.38	310.52	4906.41	655.54	-894.61	1109.08	1.96	1.61	4.03	MWD
5102.00	16.50	310.52	4936.14	661.24	-901.28	1117.83	0.39	0.39	0.00	MWD
5133.00	16.31	311.64	4965.88	666.99	-907.88	1126.55	1.19	-0.61	3.61	MWD
5164.00	16.69	311.89	4995.60	672.86	-914.45	1135.32	1.25	1.23	0.81	MWD
5195.00	17.19	311.64	5025.26	678.87	-921.19	1144.31	1.63	1.61	-0.81	MWD
5227.00	18.00	311.39	5055.76	685.28	-928.43	1153.94	2.54	2.53	-0.78	MWD
5259.00	18.63	309.27	5086.14	691.79	-936.10	1163.96	2.87	1.97	-6.62	MWD
5290.00	18.94	307.89	5115.49	698.01	-943.90	1173.94	1.75	1.00	-4.45	MWD
5321.00	18.88	308.77	5144.82	704.24	-951.78	1183.98	0.94	-0.19	2.84	MWD
5352.00	18.50	308.27	5174.18	710.43	-959.55	1193.90	1.33	-1.23	-1.61	MWD
5383.00	17.94	308.27	5203.63	716.43	-967.16	1203.59	1.81	-1.81	0.00	MWD
5414.00	17.88	306.02	5233.13	722.19	-974.76	1213.12	2.24	-0.19	-7.26	MWD
5477.00	18.38	305.14	5293.00	733.59	-990.70	1232.72	0.90	0.79	-1.40	MWD
5509.00	17.63	304.52	5323.43	739.24	-998.82	1242.61	2.42	-2.34	-1.94	MWD
5540.00	18.19	306.02	5352.93	744.75	-1006.60	1252.14	2.34	1.81	4.84	MWD
5571.00	18.38	304.76	5382.36	750.38	-1014.53	1261.87	1.41	0.61	-4.06	MWD
5602.00	17.50	304.77	5411.86	755.83	-1022.38	1271.41	2.84	-2.84	0.03	MWD
5633.00	16.19	306.27	5441.53	761.04	-1029.69	1280.39	4.45	-4.23	4.84	MWD
5664.00	16.19	306.39	5471.30	766.16	-1036.65	1289.04	0.11	0.00	0.39	MWD
5695.00	16.81	306.39	5501.02	771.38	-1043.74	1297.84	2.00	2.00	0.00	MWD
5725.00	17.38	306.27	5529.69	776.61	-1050.85	1306.66	1.90	1.90	-0.40	MWD
5757.00	17.81	308.27	5560.20	782.47	-1058.54	1316.33	2.32	1.34	6.25	MWD
5788.00	19.56	307.14	5589.56	788.54	-1066.40	1326.26	5.76	5.65	-3.65	MWD
5819.00	21.19	305.27	5618.62	794.91	-1075.11	1337.05	5.66	5.26	-6.03	MWD
5850.00	21.25	304.52	5647.52	801.32	-1084.31	1348.26	0.90	0.19	-2.42	MWD
5882.00	20.88	303.39	5677.38	807.75	-1093.85	1359.76	1.72	-1.16	-3.53	MWD
5912.00	20.56	303.29	5705.44	813.58	-1102.72	1370.36	1.07	-1.07	-0.33	MWD
5943.00	20.25	304.52	5734.50	819.61	-1111.69	1381.16	1.71	-1.00	3.97	MWD
5974.00	20.06	303.89	5763.60	825.62	-1120.53	1391.83	0.93	-0.61	-2.03	MWD
6005.00	19.75	303.89	5792.75	831.50	-1129.29	1402.38	1.00	-1.00	0.00	MWD
6036.00	19.38	302.37	5821.96	837.18	-1137.98	1412.74	2.03	-1.19	-4.90	MWD
6067.00	19.31	303.39	5851.21	842.75	-1146.60	1422.99	1.11	-0.23	3.29	MWD
6098.00	19.00	302.89	5880.49	848.31	-1155.12	1433.15	1.13	-1.00	-1.61	MWD
6129.00	18.50	302.52	5909.84	853.70	-1163.50	1443.10	1.66	-1.61	-1.19	MWD
6161.00	18.63	301.14	5940.18	859.07	-1172.16	1453.26	1.43	0.41	-4.31	MWD
6192.00	19.06	304.02	5969.52	864.46	-1180.59	1463.25	3.31	1.39	9.29	MWD
6223.00	19.31	304.64	5998.80	870.21	-1189.01	1473.43	1.04	0.81	2.00	MWD
6254.00	19.50	303.27	6028.04	875.96	-1197.55	1483.72	1.59	0.61	-4.42	MWD
6286.00	19.06	302.39	6058.24	881.69	-1206.43	1494.27	1.65	-1.37	-2.75	MWD
6317.00	18.50	304.64	6087.59	887.19	-1214.75	1504.23	2.95	-1.81	7.26	MWD
6349.00	18.75	308.89	6117.92	893.31	-1222.93	1514.45	4.31	0.78	13.28	MWD
6381.00	18.00	309.77	6148.28	899.70	-1230.73	1524.52	2.50	-2.34	2.75	MWD
6412.00	17.06	309.27	6177.84	905.64	-1237.93	1533.84	3.07	-3.03	-1.61	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO	Date: 7/25/2008	Time: 11:18:05	Page: 5
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #9F, True North	
Site: E.H. Pipkin #9F	Vertical (TVD) Reference:	SITE 5934.0	
Well: #9F	Section (VS) Reference:	Well (0.00N,0.00E,306.19Azi)	
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
6443.00	16.88	309.77	6207.50	911.40	-1244.91	1542.87	0.75	-0.58	1.61	MWD
6475.00	16.75	311.02	6238.13	917.40	-1251.96	1552.10	1.20	-0.41	3.91	MWD
6505.00	16.56	310.39	6266.87	923.01	-1258.48	1560.68	0.87	-0.63	-2.10	MWD
6536.00	16.38	309.14	6296.60	928.63	-1265.24	1569.45	1.28	-0.58	-4.03	MWD
6567.00	16.69	310.02	6326.31	934.25	-1272.03	1578.25	1.29	1.00	2.84	MWD
6598.00	16.81	310.02	6356.00	940.00	-1278.88	1587.17	0.39	0.39	0.00	MWD
6629.00	17.25	308.89	6385.64	945.76	-1285.89	1596.23	1.78	1.42	-3.65	MWD
6660.00	15.88	309.64	6415.35	951.36	-1292.73	1605.06	4.47	-4.42	2.42	MWD
6691.00	15.50	309.89	6445.20	956.72	-1299.18	1613.42	1.25	-1.23	0.81	MWD
6722.00	14.88	308.52	6475.11	961.85	-1305.47	1621.54	2.31	-2.00	-4.42	MWD
6753.00	14.88	310.02	6505.07	966.89	-1311.63	1629.48	1.24	0.00	4.84	MWD
6784.00	14.69	308.89	6535.05	971.92	-1317.74	1637.38	1.11	-0.61	-3.65	MWD
6815.00	14.69	309.14	6565.04	976.87	-1323.85	1645.23	0.20	0.00	0.81	MWD
6845.00	15.13	309.89	6594.03	981.78	-1329.80	1652.94	1.60	1.47	2.50	MWD
6876.00	15.25	309.27	6623.94	986.95	-1336.06	1661.05	0.65	0.39	-2.00	MWD
6890.00	15.06	308.89	6637.46	989.26	-1338.90	1664.70	1.53	-1.36	-2.71	LAST SVY @ 6890' MD
6940.00	15.06	308.89	6685.74	997.42	-1349.01	1677.68	0.00	0.00	0.00	PROJ TO BIT

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
360.01	360.00	0.000	0.000	8 5/8"
	6800.00	5.500	6.000	5 1/2"

Annotation

MD ft	TVD ft	
6890.00	6637.46	LAST SVY @ 6890' MD
6940.00	6685.74	PROJ TO BIT