

30-039-26924



Scientific
Drilling

Directional Survey Certification

RE: XTO Energy Inc. Operator
VCU #43C Well Name & No.
Rio Arriba County, NM Location
41DMWD0503118 SDI Job No.

I, Judi Moore, having personal knowledge of all the facts, hereby
certify that the attached directional survey run from a measured depth of 365 feet to a
measured depth of 6904 feet is true and correct as determined from all available records.

Judi Moore Well Planner SDI
Signature Title

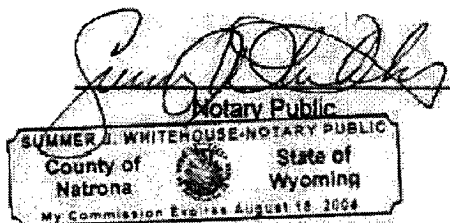
State of : Wyoming

SS

County of Natrona }

On this 17th day of June, 2003, before me personally appeared
Judi Moore to me known as the person described in and who executed the foregoing
instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal



Aug. 18, 2004
My Commission Expires

JUN 18 2003



**Scientific
Drilling**

DIRECTIONAL SURVEY REPORT

Prepared For

VALENCIA CANYON UNIT #43C

XTO ENERGY INC.

VCU #43C

Rio Arriba County, NM

SEC 27, T28N, R04W

Prepared By:

Judi Moore - Well Planner

Scientific Drilling International

Rocky Mountain District

API # 30-039-26924

Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
judimoore_sdi@attbi.com



Scientific Drilling Survey Completion Report

Company: XTO Energy Inc.	Date: 6/16/2003	Time: 11:57:32	Page: 1
Field: Rio Arriba County, NM	Co-ordinate(NE) Reference:	Site: VCU #43C, True North	
Site: VCU #43C	Vertical (TVD) Reference:	SITE 0.0	
Well: #43C	Section (VS) Reference:	Well (0.00N,0.00E,144.70Azi)	
Wellpath: OH	Survey Calculation Method:	Minimum Curvature	Dr: Sybase

Survey: Survey #1	Start Date: 5/26/2003
Company: Scientific Drilling	Engineer: B. Brewer/J. Willy
Tool: MWD,	Tied-to: From Surface

Field: Rio Arriba County, NM	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Central Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igr2000

Site: VCU #43C	SHL SEC.27,T28N,R04W 2690'FNL & 1565' FWL	
Site Position:	Northings: ft	Latitude:
From: Lease Line	Easting: ft	Longitude:
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 0.00 ft		Grid Convergence: -0.65 deg

Well: #43C	Slot Name:	
Well Position: +N/-S 0.00 ft	Northings: 2033341.67 ft	Latitude: 36 34 59.999 N
+E/-W 0.00 ft	Easting: 181932.23 ft	Longitude: 107 20 0.000 W
Position Uncertainty: 0.00 ft		

Wellpath: OH	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 5/5/2003	Above System Datum: Mean Sea Level		
Field Strength: 51677 nT	Declination: 10.84 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 63.65 deg		
ft	+N/-S ft	+E/-W ft	Direction deg
6810.00	0.00	0.00	144.70

Survey										
Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ChD ft	ChA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365.00	1.10	222.60	364.98	0.73	-2.58	-2.37	0.30	365.00	3.50	222.60
425.00	1.10	168.00	424.97	1.38	-3.57	-2.64	1.68	60.00	4.44	216.53
485.00	1.60	155.20	484.95	2.74	-4.89	-2.17	0.97	60.00	5.35	203.93
546.00	1.30	141.20	545.93	4.26	-8.20	-1.38	0.76	61.00	6.35	192.54
606.00	1.60	151.50	605.91	5.78	-7.47	-0.55	0.68	60.00	7.49	184.24
665.00	1.70	143.30	664.89	7.47	-8.89	0.36	0.43	59.00	8.90	177.67
758.00	1.70	143.30	757.85	10.23	-11.11	2.01	0.00	93.00	11.29	169.74
852.00	1.80	149.30	851.80	13.09	-13.49	3.60	0.22	94.00	13.97	165.07
945.00	1.90	152.90	944.76	16.07	-16.12	5.05	0.16	93.00	16.89	162.62
1007.00	2.30	137.50	1006.71	18.33	-17.95	6.36	1.11	62.00	19.05	160.51
1069.00	2.50	143.20	1068.66	20.91	-19.95	8.01	0.50	62.00	21.50	158.14
1131.00	2.60	147.10	1130.60	23.67	-22.22	9.58	0.32	62.00	24.20	156.68
1194.00	3.30	150.90	1193.51	26.90	-25.00	11.24	1.15	63.00	27.41	155.80
1257.00	4.70	144.90	1256.36	31.28	-28.70	13.60	2.32	63.00	31.76	154.64
1320.00	5.40	140.80	1319.11	36.82	-33.11	16.96	1.25	63.00	37.20	152.87
1380.00	6.60	140.90	1378.79	43.08	-37.97	20.92	2.00	60.00	43.35	151.15
1443.00	7.60	143.00	1441.30	50.86	-44.11	25.71	1.64	63.00	51.06	149.76
1507.00	7.90	145.50	1504.72	59.48	-51.11	30.75	0.71	64.00	59.65	148.97
1570.00	8.00	146.80	1567.11	66.19	-58.35	35.60	0.33	63.00	68.35	148.61
1630.00	8.40	149.20	1626.50	76.74	-65.61	40.13	0.88	60.00	76.91	148.55
1692.00	9.00	144.30	1687.79	86.10	-73.44	45.28	1.54	62.00	86.27	148.34
1757.00	9.80	142.90	1751.91	96.71	-81.96	51.58	1.28	65.00	96.86	147.82
1809.00	10.30	142.10	1803.11	105.78	-89.17	57.11	1.00	52.00	105.89	147.36



Scientific
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Scientific Drilling Survey Completion Report

Company: XTO Energy Inc.
Field: Rio Arriba County, NM
Site: VCU #43C
Well: #43C
Wellpath: OH

Date: 6/16/2003 Time: 11:57:32 Page: 2
Co-ordinate(NE) Reference: Site: VCU #43C, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,144.70Az)
Survey Calculation Method: Minimum Curvature Dh: Sybase

Survey

Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ChD ft	ChA deg
1851.00	10.40	143.60	1844.43	113.32	-95.19	61.67	0.68	42.00	113.42	147.06
1914.00	11.00	143.00	1906.34	125.01	-104.57	68.66	0.97	63.00	125.09	146.71
1942.00	11.20	144.00	1933.81	130.40	-108.90	71.86	0.99	28.00	130.47	146.58
2004.00	11.60	144.30	1994.59	142.66	-118.83	79.04	0.65	62.00	142.72	146.37
2065.00	11.70	144.10	2054.33	154.98	-128.82	86.25	0.18	61.00	155.03	146.20
2096.00	11.90	143.50	2084.68	161.31	-133.94	89.99	0.76	31.00	161.36	146.10
2159.00	11.30	143.20	2146.39	173.98	-144.10	97.55	0.96	63.00	174.02	145.90
2190.00	11.20	142.90	2176.79	180.02	-146.94	101.19	0.37	31.00	180.06	145.81
2253.00	11.50	143.40	2238.56	192.42	-158.86	108.62	0.50	63.00	192.44	145.64
2314.00	12.00	141.70	2298.28	204.83	-168.72	116.18	1.00	61.00	204.85	145.45
2377.00	11.90	140.00	2359.92	217.84	-178.83	124.41	0.58	63.00	217.85	145.17
2470.00	10.00	140.30	2451.22	235.45	-192.39	135.73	2.04	93.00	235.45	144.80
2532.00	10.00	142.10	2512.28	246.20	-200.78	142.48	0.50	62.00	246.20	144.64
2594.00	10.20	144.60	2573.32	257.06	-209.50	148.97	0.78	62.00	257.06	144.59
2656.00	10.50	145.40	2634.31	268.20	-218.63	155.35	0.54	62.00	268.20	144.60
2750.00	10.90	145.60	2726.67	285.65	-233.01	165.24	0.43	94.00	285.65	144.66
2842.00	11.40	149.30	2816.94	303.41	-248.01	174.80	0.95	92.00	303.41	144.62
2936.00	11.70	152.10	2909.04	322.13	-264.42	184.00	0.68	94.00	322.14	145.17
3027.00	11.20	150.10	2998.23	340.07	-280.23	192.72	0.70	91.00	340.11	145.48
3120.00	11.30	149.80	3089.44	358.14	-295.94	201.81	0.12	93.00	358.20	145.71
3213.00	12.00	150.50	3180.52	376.84	-312.23	211.15	0.77	93.00	376.92	145.93
3306.00	12.00	151.10	3271.49	396.06	-329.11	220.58	0.13	93.00	396.19	146.17
3369.00	12.00	151.40	3333.11	409.07	-340.59	226.88	0.10	63.00	409.24	146.33
3430.00	11.80	146.00	3392.78	421.66	-351.37	233.44	1.84	61.00	421.85	146.40
3493.00	11.70	141.70	3454.46	434.53	-361.77	241.03	1.43	63.00	434.71	146.33
3525.00	11.90	141.60	3485.79	441.07	-366.90	245.09	0.63	32.00	441.23	146.26
3617.00	11.70	138.00	3575.85	459.76	-381.05	257.46	1.26	92.00	459.87	145.95
3679.00	12.20	135.80	3636.50	472.45	-390.26	266.39	0.81	62.00	472.52	145.68
3773.00	12.50	133.60	3728.33	492.24	-404.40	280.69	0.59	94.00	492.26	145.24
3821.00	12.90	132.50	3775.15	502.58	-411.60	288.40	0.87	48.00	502.58	144.98
4100.00	12.40	133.50	4047.38	562.40	-453.26	333.09	0.20	278.00	562.49	143.69
4164.00	10.50	138.60	4110.10	574.94	-462.37	341.93	3.36	64.00	575.07	143.52
4257.00	10.10	153.20	4201.62	591.44	-476.01	351.21	2.83	93.00	591.55	143.58
4356.00	11.30	161.90	4296.90	609.29	-492.98	358.14	2.03	99.00	609.34	144.00
4413.00	10.70	158.90	4354.86	619.76	-503.22	361.78	1.45	57.00	619.77	144.29
4506.00	11.10	150.30	4446.19	637.04	-519.05	369.33	1.80	83.00	637.04	144.57
4599.00	10.50	150.20	4537.54	654.38	-534.18	377.97	0.65	93.00	654.38	144.72
4693.00	10.10	151.80	4630.02	671.08	-548.88	386.12	0.52	94.00	671.09	144.87
4786.00	10.70	144.60	4721.50	687.81	-563.10	394.98	1.54	93.00	687.82	144.95
4880.00	9.50	140.90	4814.04	704.28	-576.24	404.93	1.45	94.00	704.28	144.80
4975.00	10.20	148.30	4907.64	720.50	-589.48	414.29	1.52	95.00	720.50	144.90
5068.00	8.60	139.00	4999.40	735.64	-601.73	423.18	2.37	93.00	735.64	144.88
5136.00	10.10	139.50	5066.49	746.63	-610.11	430.39	2.21	88.00	746.63	144.80
5254.00	9.60	144.50	5182.75	768.78	-625.98	442.82	0.84	118.00	768.78	144.72
5316.00	10.70	146.10	5243.78	777.70	-634.97	449.04	1.83	62.00	777.70	144.73
5410.00	13.50	152.00	5335.89	797.31	-651.90	459.08	3.25	94.00	797.32	144.85
5503.00	13.00	146.00	5426.22	818.54	-670.16	470.00	1.57	93.00	818.55	144.96
5596.00	11.50	140.70	5517.10	838.25	-686.01	481.72	2.01	93.00	838.25	144.92
5723.00	9.60	146.90	5641.95	861.46	-704.68	495.53	1.74	127.00	861.46	144.89
5846.00	12.90	127.40	5762.62	884.83	-721.82	512.05	4.06	123.00	884.83	144.84
6011.00	16.60	127.50	5922.15	924.95	-747.17	545.39	2.24	165.00	925.04	143.87
6434.00	16.50	116.00	6327.74	1035.39	-810.30	647.34	0.77	423.00	1037.13	141.38



Scientific
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Scientific Drilling Survey Completion Report

Company:	XTO Energy Inc.	Date:	6/16/2003	Time:	11:57:32	Page:	3
Field:	Rio Arriba County, NM	Co-ordinate(NE) Reference:	Site: VCU #43C, True North				
Site:	VCU #43C	Vertical (TVD) Reference:	SITE 0.0				
Well:	#43C	Section (VS) Reference:	Well (0.00N,0.00E,144.70Azi)				
Wellpath:	OH	Survey Calculation Method:	Minimum Curvature Db: Sybase				

Survey

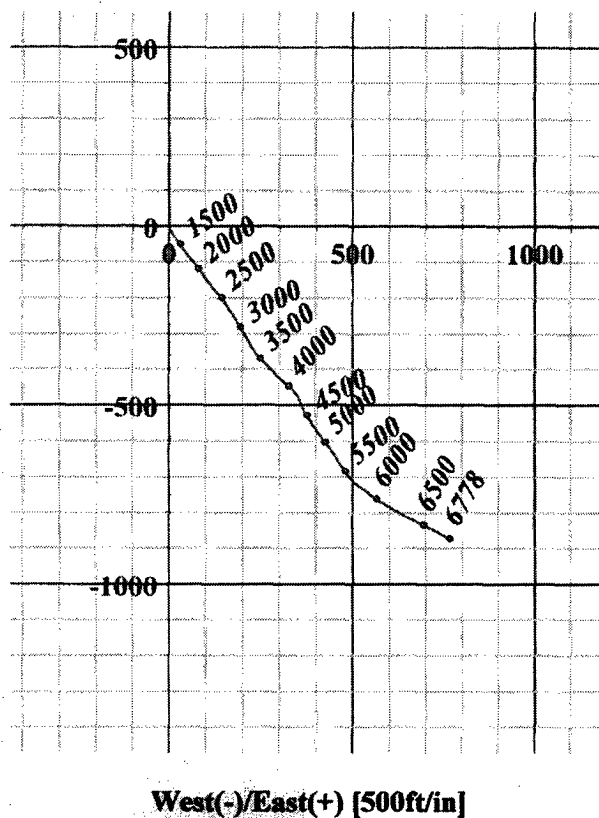
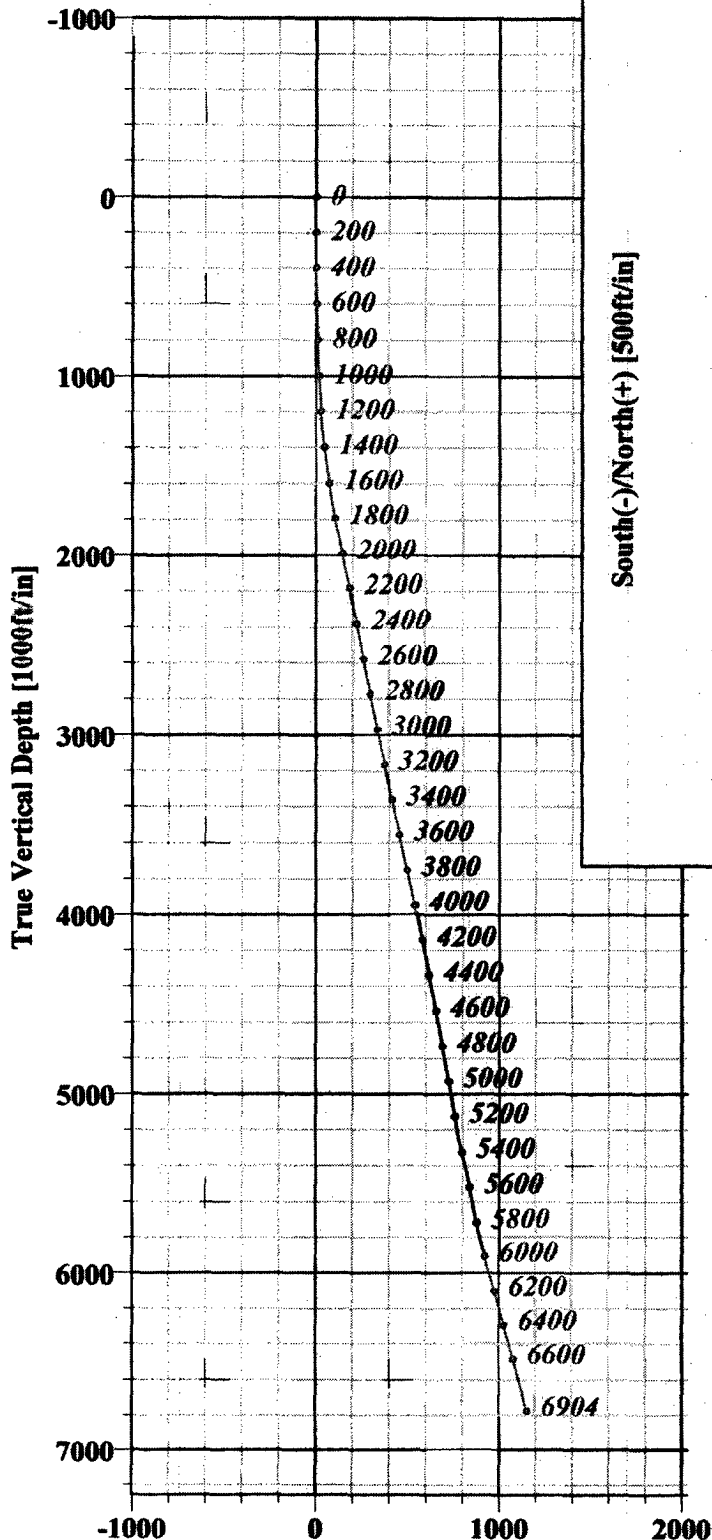
Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ChD ft	ChA deg
6904.00	16.50	119.00	6778.39	1154.07	-871.92	765.71	0.18	470.00	1160.41	138.71



Scientific
Drilling

XTO Energy Inc.

Field: Rio Arriba County, NM
Site: VCU #43C
Well: #43C
Wellpath: OH
Survey: Survey #1



BOTTOM HOLE CLOSURE

1160.41 ft. 138.71° Azimuth

FINAL STATION

6904.0' MD 6778.39' TVD
16.5° Angle 119.0° Azimuth
South 871.92 ft. East 765.71 ft.
1154.07' Vert. Sec.

Survey: Survey #1 (#43C/OH)

Created By: Judi Moore

Date: 6/16/2003