



Scientific
Drilling

Directional Survey Certification

RE: XTO Energy Inc. Operator
Dawson Federal #1-B Well Name & No.
Sec.26 T27N R8W
San Juan County, NM Location
41DMWD0402077 SDI Job No.

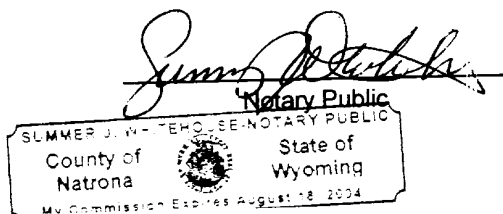
I, Judi Moore, having personal knowledge of all the facts, hereby
 certify that the attached directional survey run from a measured depth of 420 feet to a
 measured depth of 5100 feet is true and correct as determined from all available records.

Judi Moore Signature Well Planner Title SDF Company

State of : Wyoming }
 County of : Natrona } ss

On this 2nd day of May, 2002, 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

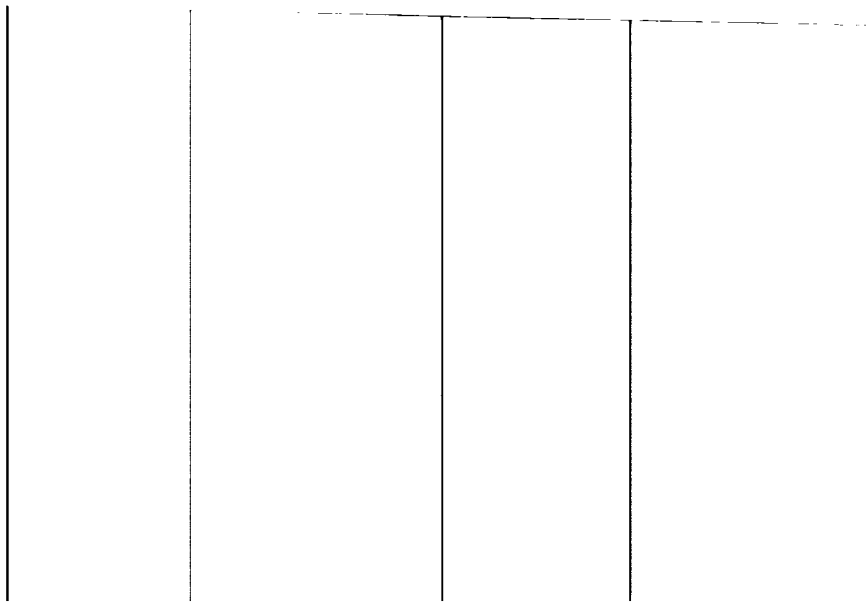
DS UL L, sec 26
 27N, 8W

BHL: 2463/5933w

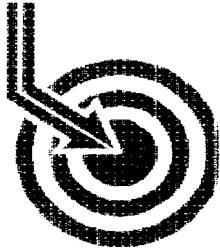
ongard not letting
 me change BHL on
 C-102 screen

RF





MAY 03 2002



**Scientific
Drilling**

DIRECTIONAL SURVEY REPORT

Prepared For

**XTO ENERGY INC.
Dawson Federal #1-B
San Juan County, NM**

***Prepared By:
Judi Moore - Well Planner
Scientific Drilling International
Rocky Mountain District***

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



Scientific Drilling CASPER, WY

Company: XTO Energy Inc. Date: 4/30/2002 Time: 14:17:49 Page: 1
Field: San Juan County, NM Co-ordinate(NE) Reference: Site: Dawson Federal #1-B, True North
Site: Dawson Federal #1-B Vertical (TVD) Reference: SITE 0.0
Well: #1-B Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Wellpath: OH Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #1 Start Date: 4/6/2002

Company: Scientific Drilling Engineer: Brewer
Tool: MWD, Tied-to: From Surface

Field: San Juan County, NM

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2000

Site: Dawson Federal #1-B
SHL SEC.26,T27N,R8W 2420'FNL & 950'FWL

BHL 2463/5, 933/4

Site Position: Northing: ft Latitude:
From: Lease Line Easting: ft Longitude:
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 0.00 ft Grid Convergence: 0.15 deg

Well: #1-B Slot Name:

Well Position: +N/-S 0.00 ft Northing: 2062015.22 ft Latitude: 36 39 59.999 N
+E/-W 0.00 ft Easting: 573321.30 ft Longitude: 107 34 59.999 W
Position Uncertainty: 0.00 ft

Wellpath: OH

Current Datum: SITE Height 0.00 ft Drilled From: Surface
Magnetic Data: 10/23/2001 Tie-on Depth: 0.00 ft
Field Strength: 51808 nT Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD) +N/-S Declination: 11.05 deg
ft +E/-W Mag Dip Angle: 63.69 deg
4975.00 0.00 0.00 180.00

Survey

Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	CLSD ft	CLSA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
420.00	1.50	254.00	419.95	1.52	-1.52	-5.28	0.36	420.00	5.50	254.00
665.00	1.10	1.20	664.92	0.05	-0.05	-8.32	0.86	245.00	8.32	269.67
726.00	0.70	197.20	725.91	-0.18	0.18	-8.42	2.92	61.00	8.42	271.24
757.00	1.80	184.90	756.90	0.48	-0.48	-8.51	3.63	31.00	8.53	266.74
820.00	3.50	184.70	819.83	3.39	-3.39	-8.76	2.70	63.00	9.39	248.85
882.00	4.70	186.70	881.67	7.80	-7.80	-9.21	1.95	62.00	12.06	229.74
946.00	6.40	181.40	945.37	13.97	-13.97	-9.60	2.77	64.00	16.95	214.50
1008.00	7.60	181.30	1006.91	21.52	-21.52	-9.78	1.94	62.00	23.64	204.43
1070.00	8.50	180.80	1068.30	30.20	-30.20	-9.93	1.46	62.00	31.79	198.21
1131.00	9.50	179.60	1128.55	39.74	-39.74	-9.96	1.67	61.00	40.97	194.07
1194.00	10.80	176.50	1190.56	50.83	-50.83	-9.57	2.24	63.00	51.73	190.66
1257.00	12.00	174.40	1252.32	63.24	-63.24	-8.57	2.02	63.00	63.82	187.71
1320.00	13.40	175.10	1313.77	77.04	-77.04	-7.30	2.24	63.00	77.38	185.42
1381.00	13.60	176.50	1373.09	91.24	-91.24	-6.26	0.63	61.00	91.45	183.93
1442.00	13.80	176.80	1432.35	105.66	-105.66	-5.42	0.35	61.00	105.80	182.94
1503.00	13.50	177.20	1491.63	120.03	-120.03	-4.66	0.52	61.00	120.13	182.23
1564.00	13.30	177.00	1550.97	134.15	-134.15	-3.95	0.34	61.00	134.21	181.69
1659.00	12.60	175.90	1643.55	155.40	-155.40	-2.64	0.78	95.00	155.42	180.97
1753.00	13.40	177.30	1735.14	175.51	-176.51	-1.39	0.91	94.00	176.51	180.45
1844.00	12.70	176.80	1823.79	197.03	-197.03	-0.34	0.78	91.00	197.03	180.10
1969.00	12.40	177.50	1945.80	224.16	-224.16	1.02	0.27	125.00	224.16	179.74
2156.00	10.40	183.40	2129.11	261.07	-261.07	0.89	1.24	187.00	261.07	179.80
2218.00	10.20	182.00	2190.11	272.14	-272.14	0.37	0.52	62.00	272.14	179.92



Scientific Drilling CASPER, WY

Company: XTO Energy Inc.
Field: San Juan County, NM
Site: Dawson Federal #1-B
Well: #1-B
Wellpath: OH

Date: 4/30/2002 Time: 14:17:49 Page: 2
Co-ordinate(NE) Reference: Site: Dawson Federal #1-B, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
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	ClsD ft	ClsA deg
2312.00	9.10	179.90	2282.78	287.89	-287.89	0.09	1.23	94.00	287.89	179.98
2406.00	8.70	181.60	2375.65	302.43	-302.43	-0.09	0.51	94.00	302.43	180.02
2499.00	8.50	180.50	2467.60	316.34	-316.34	-0.35	0.28	93.00	316.34	180.06
2592.00	8.80	183.20	2559.55	330.31	-330.31	-0.81	0.54	93.00	330.31	180.14
2685.00	7.80	184.50	2651.57	343.71	-343.71	-1.70	1.09	93.00	343.71	180.28
2779.00	7.50	187.10	2744.74	356.15	-356.15	-2.96	0.49	94.00	356.17	180.48
2841.00	6.40	189.00	2806.28	363.58	-363.58	-4.00	1.81	62.00	363.60	180.63
2904.00	5.40	183.00	2868.94	370.01	-370.01	-4.70	1.86	63.00	370.04	180.73
2965.00	4.20	175.40	2929.73	375.10	-375.10	-4.68	2.22	61.00	375.13	180.71
3028.00	2.50	168.30	2992.62	378.75	-378.75	-4.21	2.77	63.00	378.77	180.64
3090.00	1.30	182.90	3054.59	380.78	-380.78	-3.97	2.07	62.00	380.80	180.60
3120.00	1.20	193.90	3084.58	381.42	-381.42	-4.07	0.86	30.00	381.44	180.61
3150.00	1.10	198.40	3114.57	382.00	-382.00	-4.23	0.45	30.00	382.02	180.63
3406.00	0.75	201.00	3370.54	385.89	-385.89	-5.61	0.14	256.00	385.94	180.83
3687.00	0.50	191.00	3651.52	388.81	-388.81	-6.50	0.10	281.00	388.87	180.96
4031.00	0.25	241.00	3995.52	390.65	-390.65	-7.44	0.11	344.00	390.72	181.09
4335.00	1.00	233.00	4299.50	392.57	-392.57	-10.14	0.25	304.00	392.70	181.48
4616.00	0.50	237.00	4580.47	394.71	-394.71	-13.13	0.18	281.00	394.93	181.91
5100.00	0.50	237.00	5064.45	397.01	-397.01	-16.67	0.00	484.00	397.36	182.40

Annotation

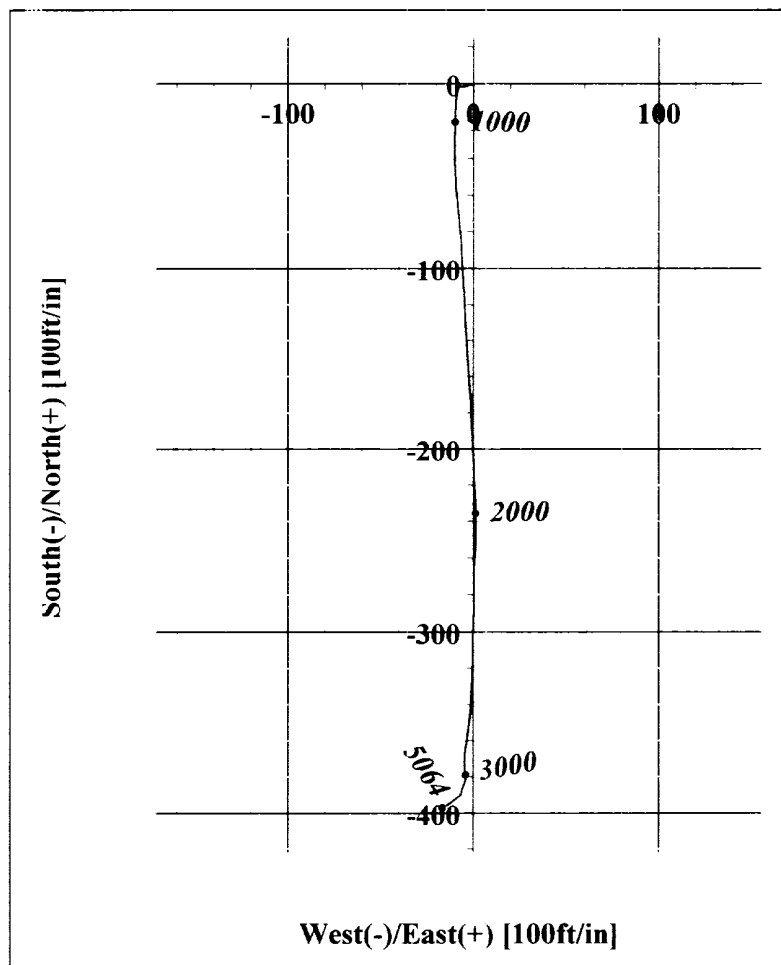
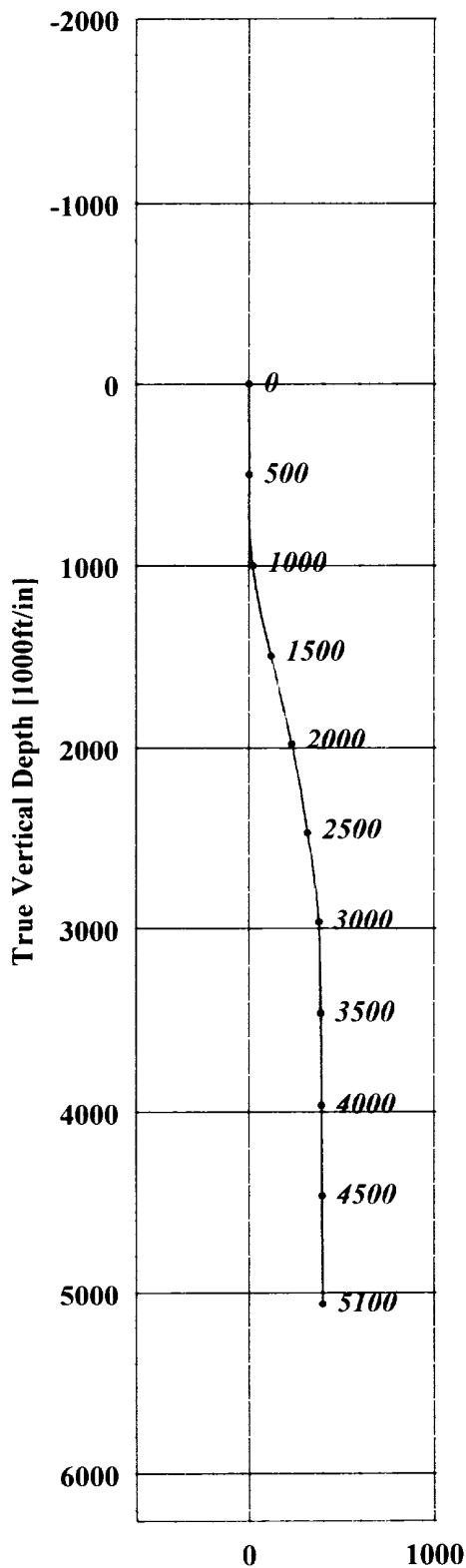
MD ft	TVD ft	
3406.00	3370.54	Begin Single Shot Surveys
5100.00	5064.45	Projection to TD



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XTO Energy Inc.

Field: San Juan County, NM
Site: Dawson Federal #1-B
Well: #1-B
Wellpath: OH
Survey: Survey #1



BOTTOM HOLE CLOSURE (Survey @ 5100' is a projection)

397.36 ft. 182.4° Azimuth

FINAL STATION (Survey @ 5100' is a projection)

5100.0' MD 5064.45' TVD
0.50° Angle 237.0° Azimuth
South 397.01 ft. West 16.67 ft.
397.01' Vert. Sec.

Survey: Survey #1 (#1-B/OH)

Created By: Judi Moore

Date: 4/30/2002