



INTEQ

2105 Market Street  
Midland, Texas 79703  
Tel. (915) 694-9517  
Fax (915) 694-5648

March 21, 2003

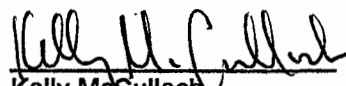
Attention: Railroad Commission of Texas  
Oil & Gas Division  
P.O. Box 12967  
Capital Station  
Austin, Texas 78711

Re: Customer: XTO Energy  
Well Name: WCU "N" #4H  
Section 14, Block 9, Univ. Land  
Andrews County, Texas  
API No. 42-003-05634

Enclosed, please find the original and one copy of the survey performed on the referenced well by Baker Hughes INTEQ (P-5 No. 046289). Other information required by your office is as follows:

<u>Name &amp; Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Damon Cadena Surveyor	Vertical	0' to 8300'	1/4/03-1/4/03	Gyroscopic
Damon Cadena Surveyor	1	8290' to 9439'	1/4/03-1/23/03	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit line in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

  
Kelly McCulloch  
Well Planner

Enclosures  
cc: XTO Energy

WCU "N" #4H  
Andrews County, Texas



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## SURVEY CERTIFICATION SHEET

STATE OF TEXAS  
COUNTY OF MIDLAND

I, Damon Cadena, certify that; I am employed by Baker Hughes INTEQ; that I did on the day(s) of 1/4/03 to 1/4/03 conduct or supervise the taking of a Gyroscopic survey from a depth of 0 feet to a depth of 8300 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes INTEQ; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the WCU "N" #4H Well API No. 42-003-05634 In Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes INTEQ.

I, Damon Cadena, certify that; I am employed by Baker Hughes INTEQ; that I did on the day(s) of 1/4/03 to 1/23/03 conduct or supervise the taking of a MWD survey from a depth of 8290 feet to a depth of 9439 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes INTEQ; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the WCU "N" #4H Well API No. 42-003-05634 In Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes INTEQ.

  
Damon Cadena  
Surveyor

WCU "N" #4H  
Andrews County, Texas

# XTO Energy

Structure : WCU N #4H

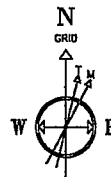
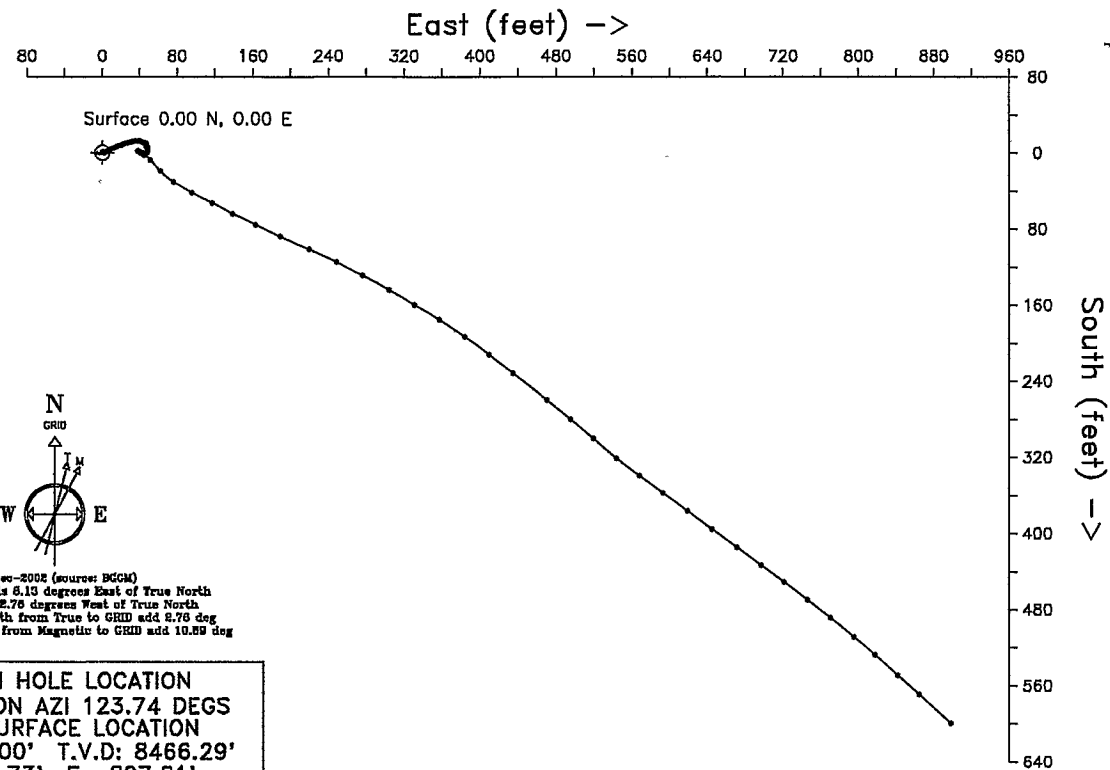
Slot : slot #1

Field : BLK 9 Devonian

Location : Andrews, County, Texas

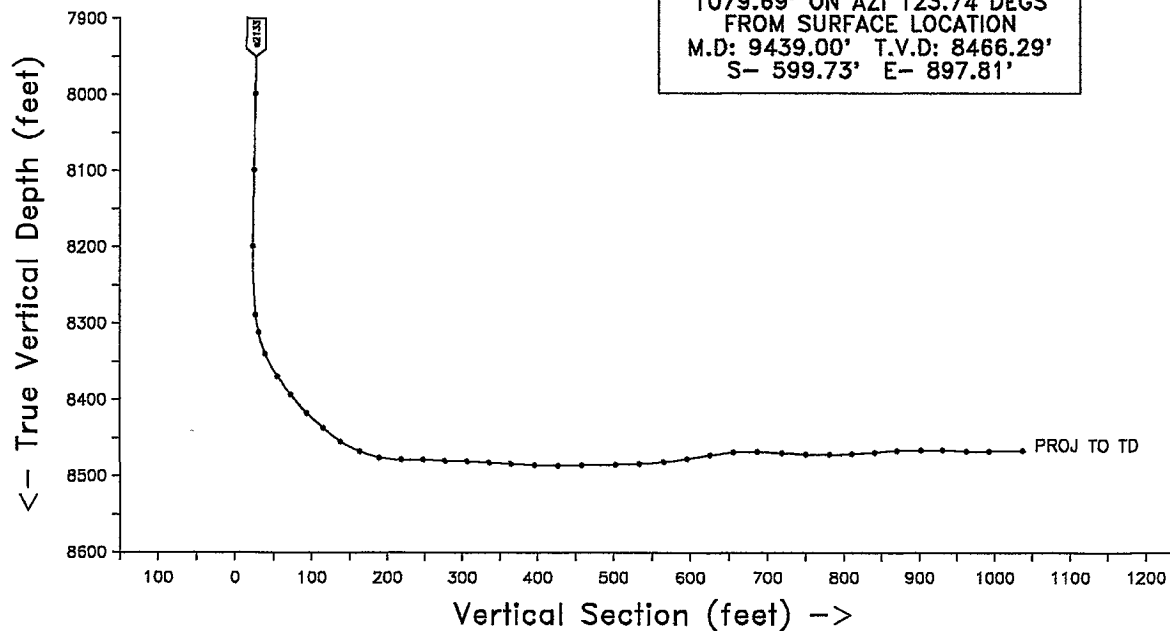


INTEQ



18-Dec-2002 (source: BGGM)  
Magnetic North is 8.13 degrees East of True North  
GRID North is 2.76 degrees West of True North  
To correct azimuth from True to GRID add 2.76 deg  
To correct azimuth from Magnetic to GRID add 10.89 deg

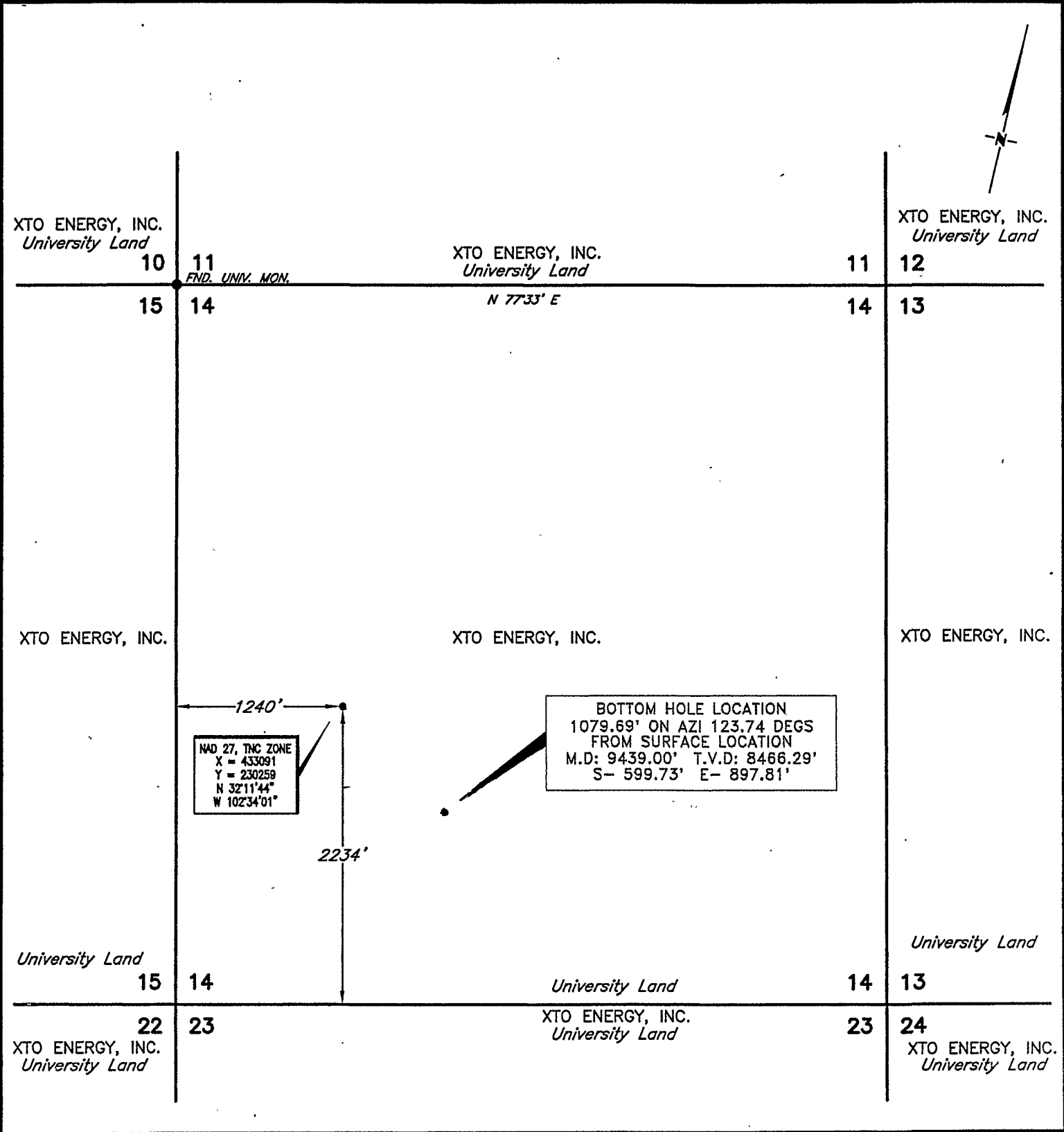
**BOTTOM HOLE LOCATION**  
1079.69' ON AZI 123.74 DEGS  
FROM SURFACE LOCATION  
M.D: 9439.00' T.V.D: 8466.29'  
S- 599.73' E- 897.81'



Azimuth 139.70 with reference 0.00 S, 0.00 E from slot #1

Created By kellym  
Date plotted : 21-Mar-2003  
Plot Reference is MWD .  
Coordinates are in feet reference slot #1.  
True Vertical Depths are reference rotary table.  
wcun4rrc  
--- Baker Hughes INTEQ ---

DRAWING OF WELL WOLFCAMP UNIT #4NH IN  
SECTION 14, BLOCK 9, UNIVERSITY LAND  
ANDREWS COUNTY, TEXAS



				<b>XTO ENERGY, INC.</b>	SCALE: 1" = 1000'
					DATE: NOVEMBER 22, 2002
NO.	REVISION	DATE	BY		JOB NO.: 84805-3
SURVEYED BY:				SURVEYING AND MAPPING BY <b>TOPOGRAPHIC LAND SURVEYORS</b> MIDLAND, TEXAS	QUAD NO.: 726 NE
DRAWN BY: D.C.G.					
APPROVED BY: W.J.K.					SHEET : 1 OF 1

XTO Energy  
WCU N #4H, slot #1  
BLK 9 Devonian, Andrews, County, Texas

SURVEY LISTING Page 1  
Your ref : BHI Gyro  
Last revised : 6-Jan-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	433091.00	230259.00
100.00	0.20	353.36	100.00	0.17N	0.02W	0.20	0.17	433090.98	230259.17
200.00	0.23	45.89	200.00	0.49N	0.10E	0.19	0.49	433091.10	230259.49
300.00	0.15	209.17	300.00	0.51N	0.18E	0.38	0.51	433091.18	230259.51
400.00	0.20	315.84	400.00	0.52N	0.00W	0.28	0.52	433091.00	230259.52
500.00	0.24	343.39	500.00	0.85N	0.18W	0.11	0.85	433090.82	230259.85
600.00	0.27	67.32	600.00	1.14N	0.03W	0.34	1.14	433090.97	230260.14
700.00	0.28	132.94	700.00	1.06N	0.37E	0.30	1.06	433091.37	230260.06
800.00	0.20	174.15	800.00	0.72N	0.57E	0.18	0.72	433091.57	230259.72
900.00	0.14	214.59	900.00	0.45N	0.52E	0.13	0.45	433091.52	230259.45
1000.00	0.06	292.04	1000.00	0.37N	0.40E	0.14	0.37	433091.40	230259.37
1100.00	0.08	307.35	1099.99	0.43N	0.29E	0.03	0.43	433091.29	230259.43
1200.00	0.09	120.00	1199.99	0.43N	0.31E	0.17	0.43	433091.31	230259.43
1300.00	0.28	60.64	1299.99	0.52N	0.59E	0.25	0.52	433091.59	230259.52
1400.00	0.09	139.60	1399.99	0.57N	0.85E	0.28	0.57	433091.85	230259.57
1500.00	0.06	140.86	1499.99	0.47N	0.94E	0.03	0.47	433091.94	230259.47
1600.00	0.03	125.52	1599.99	0.42N	0.99E	0.03	0.42	433091.99	230259.42
1700.00	0.00	156.37	1699.99	0.40N	1.01E	0.03	0.40	433092.01	230259.40
1800.00	0.03	350.19	1799.99	0.43N	1.01E	0.03	0.43	433092.01	230259.43
1900.00	0.03	255.75	1899.99	0.45N	0.98E	0.04	0.45	433091.98	230259.45
2000.00	0.62	91.61	1999.99	0.43N	1.49E	0.65	0.43	433092.49	230259.43
2100.00	1.22	65.85	2099.98	0.85N	3.00E	0.71	0.85	433094.00	230259.85
2200.00	1.88	65.17	2199.94	1.97N	5.46E	0.66	1.97	433096.46	230260.97
2300.00	2.13	67.35	2299.88	3.38N	8.67E	0.26	3.38	433099.67	230262.38
2400.00	1.98	64.23	2399.82	4.84N	11.94E	0.19	4.84	433102.94	230263.84
2500.00	1.84	66.99	2499.76	6.22N	14.97E	0.17	6.22	433105.97	230265.22
2600.00	1.86	72.14	2599.71	7.35N	17.99E	0.17	7.35	433108.99	230266.35
2700.00	1.85	70.31	2699.66	8.39N	21.06E	0.06	8.39	433112.06	230267.39
2800.00	1.61	71.49	2799.61	9.38N	23.91E	0.24	9.38	433114.91	230268.38
2900.00	1.90	78.49	2899.56	10.16N	26.87E	0.36	10.16	433117.87	230269.16
3000.00	1.62	76.98	2999.52	10.80N	29.87E	0.28	10.80	433120.87	230269.80
3100.00	1.74	69.49	3099.47	11.65N	32.67E	0.25	11.65	433123.67	230270.65
3200.00	1.39	84.60	3199.44	12.30N	35.30E	0.54	12.30	433126.30	230271.30
3300.00	1.35	88.02	3299.41	12.46N	37.68E	0.09	12.46	433128.68	230271.46
3400.00	1.21	102.08	3399.38	12.28N	39.89E	0.34	12.28	433130.89	230271.28
3500.00	1.05	108.32	3499.36	11.77N	41.79E	0.20	11.77	433132.79	230270.77
3600.00	0.79	114.70	3599.35	11.19N	43.29E	0.28	11.19	433134.29	230270.19
3700.00	0.74	117.86	3699.34	10.60N	44.49E	0.07	10.60	433135.49	230269.60
3800.00	0.57	120.55	3799.34	10.05N	45.49E	0.17	10.05	433136.49	230269.05
3900.00	0.43	124.12	3899.33	9.58N	46.23E	0.14	9.58	433137.23	230268.58
4000.00	0.37	120.38	3999.33	9.21N	46.82E	0.07	9.21	433137.82	230268.21
4100.00	0.35	179.05	4099.33	8.74N	47.10E	0.35	8.74	433138.10	230267.74
4200.00	0.38	190.97	4199.33	8.11N	47.04E	0.08	8.11	433138.04	230267.11
4300.00	0.49	205.32	4299.32	7.40N	46.80E	0.15	7.40	433137.80	230266.40
4400.00	0.38	181.65	4399.32	6.68N	46.60E	0.21	6.68	433137.60	230265.68
4500.00	0.36	153.44	4499.32	6.07N	46.73E	0.18	6.07	433137.73	230265.07
4600.00	0.36	157.47	4599.32	5.50N	46.99E	0.03	5.50	433137.99	230264.50
4700.00	0.29	142.45	4699.31	5.00N	47.27E	0.11	5.00	433138.27	230264.00
4800.00	0.28	107.89	4799.31	4.73N	47.66E	0.17	4.73	433138.66	230263.73
4900.00	0.17	125.48	4899.31	4.57N	48.01E	0.13	4.57	433139.01	230263.57

All data in feet unless otherwise stated. Calculation uses minimum curvature method.  
Coordinates from slot #1 and TVD from rotary table.  
Bottom hole distance is 35.97 on azimuth 86.23 degrees from wellhead.  
Vertical section is from N 0.00 E 0.00 on azimuth 0.00 degrees.  
Grid is Lambert - Texas North Central (4202).  
Lambert coordinates in FEET and computed using the Clarke - 1866 spheroid  
Presented by Baker Hughes INTEQ

XTO Energy  
WCU N #4H,slot #1  
BLK 9 Devonian,Andrews, County, Texas

SURVEY LISTING Page 2  
Your ref : BHI Gyro  
Last revised : 6-Jan-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
5000.00	0.43	139.47	4999.31	4.20N	48.37E	0.27	4.20	433139.37	230263.20
5100.00	0.20	29.04	5099.31	4.06N	48.70E	0.53	4.06	433139.70	230263.06
5200.00	0.03	47.41	5199.31	4.23N	48.81E	0.17	4.23	433139.81	230263.23
5300.00	0.34	280.36	5299.31	4.31N	48.53E	0.36	4.31	433139.53	230263.31
5400.00	0.09	248.89	5399.31	4.33N	48.17E	0.27	4.33	433139.17	230263.33
5500.00	0.56	336.81	5499.31	4.75N	47.90E	0.56	4.75	433138.90	230263.75
5600.00	0.24	21.84	5599.30	5.39N	47.79E	0.43	5.39	433138.79	230264.39
5700.00	0.06	48.40	5699.30	5.62N	47.91E	0.19	5.62	433138.91	230264.62
5800.00	0.24	279.25	5799.30	5.69N	47.74E	0.28	5.69	433138.74	230264.69
5900.00	0.33	63.41	5899.30	5.85N	47.79E	0.54	5.85	433138.79	230264.85
6000.00	0.38	144.95	5999.30	5.71N	48.24E	0.47	5.71	433139.24	230264.71
6100.00	0.00	172.60	6099.30	5.44N	48.43E	0.38	5.44	433139.43	230264.44
6200.00	0.33	231.68	6199.30	5.26N	48.20E	0.33	5.26	433139.20	230264.26
6300.00	0.39	128.03	6299.30	4.87N	48.24E	0.57	4.87	433139.24	230263.87
6400.00	0.10	327.05	6399.30	4.74N	48.46E	0.49	4.74	433139.46	230263.74
6500.00	0.27	247.27	6499.30	4.72N	48.20E	0.27	4.72	433139.20	230263.72
6600.00	0.31	152.41	6599.30	4.39N	48.11E	0.43	4.39	433139.11	230263.39
6700.00	0.59	157.55	6699.29	3.67N	48.43E	0.28	3.67	433139.43	230262.67
6800.00	0.62	186.41	6799.29	2.66N	48.57E	0.30	2.66	433139.57	230261.66
6900.00	0.48	205.44	6899.28	1.74N	48.33E	0.23	1.74	433139.33	230260.74
7000.00	0.37	197.67	6999.28	1.06N	48.05E	0.12	1.06	433139.05	230260.06
7100.00	0.65	203.36	7099.28	0.23N	47.72E	0.28	0.23	433138.72	230259.23
7200.00	0.48	227.49	7199.27	0.57S	47.19E	0.29	-0.57	433138.19	230258.43
7300.00	0.40	221.21	7299.27	1.12S	46.65E	0.09	-1.12	433137.65	230257.88
7400.00	0.24	285.91	7399.27	1.32S	46.22E	0.37	-1.32	433137.22	230257.68
7500.00	0.09	245.77	7499.27	1.30S	45.95E	0.18	-1.30	433136.95	230257.70
7600.00	0.37	345.47	7599.27	1.02S	45.79E	0.40	-1.02	433136.79	230257.98
7700.00	0.47	274.31	7699.27	0.68S	45.30E	0.50	-0.68	433136.30	230258.32
7800.00	0.64	291.94	7799.26	0.44S	44.38E	0.24	-0.44	433135.38	230258.56
7900.00	0.87	284.48	7899.25	0.04S	43.12E	0.25	-0.04	433134.12	230258.96
8000.00	1.04	276.37	7999.24	0.25N	41.49E	0.22	0.25	433132.49	230259.25
8100.00	1.16	292.90	8099.22	0.75N	39.65E	0.34	0.75	433130.65	230259.75
8200.00	1.16	298.24	8199.20	1.62N	37.83E	0.11	1.62	433128.83	230260.62
8300.00	1.24	284.40	8299.18	2.37N	35.89E	0.30	2.37	433126.89	230261.37

All data in feet unless otherwise stated. Calculation uses minimum curvature method.  
Coordinates from slot #1 and TVD from rotary table.  
Bottom hole distance is 35.97 on azimuth 86.23 degrees from wellhead.  
Vertical section is from N 0.00 E 0.00 on azimuth 0.00 degrees.  
Grid is Lambert - Texas North Central (4202).  
Lambert coordinates in FEET and computed using the Clarke - 1866 spheroid  
Presented by Baker Hughes INTEQ

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	433091.00	230259.00
100.00	0.20	353.36	100.00	0.17N	0.02W	0.20	-0.15	433090.98	230259.17
200.00	0.23	45.89	200.00	0.49N	0.10E	0.19	-0.30	433091.10	230259.49
300.00	0.15	209.17	300.00	0.51N	0.18E	0.38	-0.27	433091.18	230259.51
400.00	0.20	315.84	400.00	0.52N	0.00W	0.28	-0.40	433091.00	230259.52
500.00	0.24	343.39	500.00	0.85N	0.18W	0.11	-0.77	433090.82	230259.85
600.00	0.27	67.32	600.00	1.14N	0.03W	0.34	-0.89	433090.97	230260.14
700.00	0.28	132.94	700.00	1.06N	0.37E	0.30	-0.57	433091.37	230260.06
800.00	0.20	174.15	800.00	0.72N	0.57E	0.18	-0.19	433091.57	230259.72
900.00	0.14	214.59	900.00	0.45N	0.52E	0.13	-0.01	433091.52	230259.45
1000.00	0.06	292.04	1000.00	0.37N	0.40E	0.14	-0.02	433091.40	230259.37
1100.00	0.08	307.35	1099.99	0.43N	0.29E	0.03	-0.14	433091.29	230259.43
1200.00	0.09	120.00	1199.99	0.43N	0.31E	0.17	-0.13	433091.31	230259.43
1300.00	0.28	60.64	1299.99	0.52N	0.59E	0.25	-0.01	433091.59	230259.52
1400.00	0.09	139.60	1399.99	0.57N	0.85E	0.28	0.11	433091.85	230259.57
1500.00	0.06	140.86	1499.99	0.47N	0.94E	0.03	0.24	433091.94	230259.47
1600.00	0.03	125.52	1599.99	0.42N	0.99E	0.03	0.32	433091.99	230259.42
1700.00	0.00	156.37	1699.99	0.40N	1.01E	0.03	0.35	433092.01	230259.40
1800.00	0.03	350.19	1799.99	0.43N	1.01E	0.03	0.32	433092.01	230259.43
1900.00	0.03	255.75	1899.99	0.45N	0.98E	0.04	0.29	433091.98	230259.45
2000.00	0.62	91.61	1999.99	0.43N	1.49E	0.65	0.64	433092.49	230259.43
2100.00	1.22	65.85	2099.98	0.85N	3.00E	0.71	1.30	433094.00	230259.85
2200.00	1.88	65.17	2199.94	1.97N	5.46E	0.66	2.03	433096.46	230260.97
2300.00	2.13	67.35	2299.88	3.38N	8.67E	0.26	3.03	433099.67	230262.38
2400.00	1.98	64.23	2399.82	4.84N	11.94E	0.19	4.03	433102.94	230263.84
2500.00	1.84	66.99	2499.76	6.22N	14.97E	0.17	4.94	433105.97	230265.22
2600.00	1.86	72.14	2599.71	7.35N	17.99E	0.17	6.04	433108.99	230266.35
2700.00	1.85	70.31	2699.66	8.39N	21.06E	0.06	7.22	433112.06	230267.39
2800.00	1.61	71.49	2799.61	9.38N	23.91E	0.24	8.31	433114.91	230268.38
2900.00	1.90	78.49	2899.56	10.16N	26.87E	0.36	9.63	433117.87	230269.16
3000.00	1.62	76.98	2999.52	10.80N	29.87E	0.28	11.08	433120.87	230269.80
3100.00	1.74	69.49	3099.47	11.65N	32.67E	0.25	12.24	433123.67	230270.65
3200.00	1.39	84.60	3199.44	12.30N	35.30E	0.54	13.45	433126.30	230271.30
3300.00	1.35	88.02	3299.41	12.46N	37.68E	0.09	14.87	433128.68	230271.46
3400.00	1.21	102.08	3399.38	12.28N	39.89E	0.34	16.44	433130.89	230271.28
3500.00	1.05	108.32	3499.36	11.77N	41.79E	0.20	18.06	433132.79	230270.77
3600.00	0.79	114.70	3599.35	11.19N	43.29E	0.28	19.47	433134.29	230270.19
3700.00	0.74	117.86	3699.34	10.60N	44.49E	0.07	20.69	433135.49	230269.60
3800.00	0.57	120.55	3799.34	10.05N	45.49E	0.17	21.76	433136.49	230269.05
3900.00	0.43	124.12	3899.33	9.58N	46.23E	0.14	22.59	433137.23	230268.58
4000.00	0.37	120.38	3999.33	9.21N	46.82E	0.07	23.26	433137.82	230268.21
4100.00	0.35	179.05	4099.33	8.74N	47.10E	0.35	23.80	433138.10	230267.74
4200.00	0.38	190.97	4199.33	8.11N	47.04E	0.08	24.24	433138.04	230267.11
4300.00	0.49	205.32	4299.32	7.40N	46.80E	0.15	24.63	433137.80	230266.40
4400.00	0.38	181.65	4399.32	6.68N	46.60E	0.21	25.05	433137.60	230265.68
4500.00	0.36	153.44	4499.32	6.07N	46.73E	0.18	25.60	433137.73	230265.07
4600.00	0.36	157.47	4599.32	5.50N	46.99E	0.03	26.20	433137.99	230264.50
4700.00	0.29	142.45	4699.31	5.00N	47.27E	0.11	26.76	433138.27	230264.00
4800.00	0.28	107.89	4799.31	4.73N	47.66E	0.17	27.22	433138.66	230263.73
4900.00	0.17	125.48	4899.31	4.57N	48.01E	0.13	27.57	433139.01	230263.57

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Coordinates from slot #1 and TVD from rotary table.  
Bottom hole distance is 1079.69 on azimuth 123.74 degrees from wellhead.  
Vertical section is from S 0.00 E 0.00 on azimuth 139.70 degrees.  
Grid is Lambert - Texas North Central (4202).  
Lambert coordinates in FEET and computed using the Clarke - 1866 spheroid  
Presented by Baker Hughes INTEQ

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
5000.00	0.43	139.47	4999.31	4.20N	48.37E	0.27	28.09	433139.37	230263.20
5100.00	0.20	29.04	5099.31	4.06N	48.70E	0.53	28.40	433139.70	230263.06
5200.00	0.03	47.41	5199.31	4.23N	48.81E	0.17	28.34	433139.81	230263.23
5300.00	0.34	280.36	5299.31	4.31N	48.53E	0.36	28.11	433139.53	230263.31
5400.00	0.09	248.89	5399.31	4.33N	48.17E	0.27	27.85	433139.17	230263.33
5500.00	0.56	336.81	5499.31	4.75N	47.90E	0.56	27.36	433138.90	230263.75
5600.00	0.24	21.84	5599.30	5.39N	47.79E	0.43	26.79	433138.79	230264.39
5700.00	0.06	48.40	5699.30	5.62N	47.91E	0.19	26.70	433138.91	230264.62
5800.00	0.24	279.25	5799.30	5.69N	47.74E	0.28	26.54	433138.74	230264.69
5900.00	0.33	63.41	5899.30	5.85N	47.79E	0.54	26.44	433138.79	230264.85
6000.00	0.38	144.95	5999.30	5.71N	48.24E	0.47	26.84	433139.24	230264.71
6100.00	0.00	172.60	6099.30	5.44N	48.43E	0.38	27.17	433139.43	230264.44
6200.00	0.33	231.68	6199.30	5.26N	48.20E	0.33	27.16	433139.20	230264.26
6300.00	0.39	128.03	6299.30	4.87N	48.24E	0.57	27.49	433139.24	230263.87
6400.00	0.10	327.05	6399.30	4.74N	48.46E	0.49	27.73	433139.46	230263.74
6500.00	0.27	247.27	6499.30	4.72N	48.20E	0.27	27.58	433139.20	230263.72
6600.00	0.31	152.41	6599.30	4.39N	48.11E	0.43	27.77	433139.11	230263.39
6700.00	0.59	157.55	6699.29	3.67N	48.43E	0.28	28.52	433139.43	230262.67
6800.00	0.62	186.41	6799.29	2.66N	48.57E	0.30	29.38	433139.57	230261.66
6900.00	0.48	205.44	6899.28	1.74N	48.33E	0.23	29.93	433139.33	230260.74
7000.00	0.37	197.67	6999.28	1.06N	48.05E	0.12	30.27	433139.05	230260.06
7100.00	0.65	203.36	7099.28	0.23N	47.72E	0.28	30.69	433138.72	230259.23
7200.00	0.48	227.49	7199.27	0.57S	47.19E	0.29	30.96	433138.19	230258.43
7300.00	0.40	221.21	7299.27	1.12S	46.65E	0.09	31.03	433137.65	230257.88
7400.00	0.24	285.91	7399.27	1.32S	46.22E	0.37	30.91	433137.22	230257.68
7500.00	0.09	245.77	7499.27	1.30S	45.95E	0.18	30.71	433136.95	230257.70
7600.00	0.37	345.47	7599.27	1.02S	45.79E	0.40	30.40	433136.79	230257.98
7700.00	0.47	274.31	7699.27	0.68S	45.30E	0.50	29.82	433136.30	230258.32
7800.00	0.64	291.94	7799.26	0.44S	44.38E	0.24	29.04	433135.38	230258.56
7900.00	0.87	284.48	7899.25	0.04S	43.12E	0.25	27.92	433134.12	230258.96
8000.00	1.04	276.37	7999.24	0.25N	41.49E	0.22	26.64	433132.49	230259.25
8100.00	1.16	292.90	8099.22	0.75N	39.65E	0.34	25.08	433130.65	230259.75
8200.00	1.16	298.24	8199.20	1.62N	37.83E	0.11	23.23	433128.83	230260.62
8290.00	6.30	119.90	8289.05	0.41S	41.31E	8.29	27.04	433132.31	230258.59
8313.00	12.40	117.80	8311.73	2.20S	44.59E	26.56	30.52	433135.59	230256.80
8343.00	23.00	137.00	8340.29	8.01S	51.47E	39.89	39.39	433142.47	230250.99
8376.00	33.80	136.70	8369.28	19.43S	62.19E	32.73	55.05	433153.19	230239.57
8406.00	39.70	122.30	8393.35	30.66S	76.05E	34.70	72.57	433167.05	230228.34
8439.00	47.30	117.40	8417.27	41.89S	95.76E	25.18	93.88	433186.76	230217.11
8470.00	52.50	117.40	8437.24	52.80S	116.80E	16.77	115.82	433207.80	230206.20
8500.00	58.60	117.10	8454.20	64.12S	138.79E	20.35	138.67	433229.79	230194.88
8530.00	68.90	115.11	8467.45	75.92S	162.92E	34.84	163.28	433253.92	230183.08
8560.00	80.80	114.60	8475.28	88.07S	189.15E	39.70	189.51	433280.15	230170.93
8593.00	90.20	113.50	8477.86	101.46S	219.16E	28.68	219.13	433310.16	230157.54
8625.00	88.40	116.40	8478.25	114.95S	248.17E	10.67	248.19	433339.17	230144.05
8656.00	87.50	117.40	8479.36	128.97S	275.80E	4.34	276.74	433366.80	230130.03
8688.00	87.50	119.50	8480.76	144.20S	303.90E	6.56	306.54	433394.90	230114.80
8719.00	86.40	119.90	8482.41	159.54S	330.79E	3.78	335.63	433421.79	230099.46
8750.00	87.10	122.70	8484.17	175.61S	357.23E	9.30	364.99	433448.23	230083.39
8782.00	87.90	124.40	8485.56	193.28S	383.88E	5.87	395.70	433474.88	230065.72

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 1079.69 on azimuth 123.74 degrees from wellhead.

Vertical section is from S 0.00 E 0.00 on azimuth 139.70 degrees.

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XTO Energy  
WCU N #4H, slot #1  
BLK 9 Devonian, Andrews, County, Texas

SURVEY LISTING Page 3  
Your ref : MWD  
Last revised : 23-Jan-2003

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
8814.00	90.40	128.00	8486.04	212.18S	409.69E	13.69	426.80	433500.69	230046.82
8846.00	91.80	128.70	8485.42	232.03S	434.78E	4.89	458.17	433525.78	230026.97
8891.00	90.60	128.00	8484.48	259.94S	470.06E	3.09	502.28	433561.06	229999.06
8923.00	92.00	130.00	8483.75	280.07S	494.92E	7.63	533.71	433585.92	229978.93
8955.00	96.50	130.40	8481.38	300.66S	519.29E	14.12	565.18	433610.29	229958.34
8987.00	98.60	129.00	8477.18	320.93S	543.70E	7.87	596.42	433634.70	229938.07
9018.00	98.60	126.60	8472.54	339.71S	567.91E	7.65	626.41	433658.91	229919.29
9049.00	94.40	125.50	8469.03	357.83S	592.81E	14.00	656.33	433683.81	229901.17
9081.00	88.80	126.20	8468.14	376.56S	618.73E	17.64	687.38	433709.73	229882.44
9114.00	86.80	126.20	8469.41	396.03S	645.34E	6.06	719.44	433736.34	229862.97
9146.00	87.40	125.90	8471.03	414.84S	671.18E	2.10	750.49	433762.18	229844.16
9178.00	90.40	125.90	8471.64	433.60S	697.09E	9.38	781.56	433788.09	229825.40
9208.00	93.00	126.20	8470.75	451.24S	721.33E	8.72	810.70	433812.33	229807.76
9239.00	95.10	127.60	8468.56	469.81S	746.06E	8.14	840.85	433837.06	229789.19
9270.00	94.20	128.30	8466.05	488.81S	770.42E	3.67	871.10	433861.42	229770.19
9302.00	89.60	130.40	8464.99	509.08S	795.15E	15.80	902.55	433886.15	229749.92
9331.00	87.60	131.10	8465.70	528.01S	817.11E	7.31	931.19	433908.11	229730.99
9363.00	88.60	130.80	8466.76	548.97S	841.26E	3.26	962.80	433932.26	229710.03
9394.00	90.80	132.20	8466.92	569.51S	864.48E	8.41	993.48	433955.48	229689.49
9439.00	90.80	132.20	8466.29	599.73S	897.81E	0.00	1038.09	433988.81	229659.27

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