

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

REC'D/MIDLAND
MAR 31 2010

Well Name and Num: Nash Unit # 41H
Location: Sec. 12, T23S, R29E
Operator: XTO
Drilling Contractor: McVay Drilling Company

30-015-37165

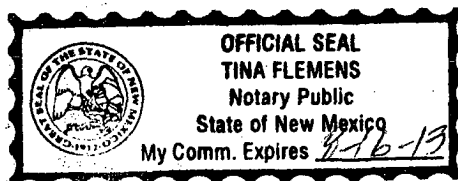
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @	Depth	Degrees @	Depth	Degrees @	Depth
0.65	266	81.95	7194	87.50	9660
0.59	685	82.75	7225	89.00	10040
1.32	1185	87.93	7295	90.00	10230
1.08	1700	90.70	7377	90.10	10352
3.89	3085	91.00	7528	90.00	10514
2.78	3246	90.10	7588	89.90	10672
1.14	5959	90.20	7802	90.00	10770
0.79	5990	90.10	8080	89.90	10992
1.14	6021	90.10	8459	89.90	11277
10.64	6144	90.60	8744	90.00	11340
26.82	6360	90.71	9028	90.30	11530
37.46	6544	92.20	9125	90.00	11753
44.93	6636	92.90	9219	89.90	11880
58.04	6821	92.00	9314	90.00	12057
65.33	6915	91.60	9440	90.40	12131
70.17	7008	90.80	9534	90.30	12289
76.68	7101	88.80	9598		

By: H. H. Crane

Subscribed and sworn to before me this 30th day of March, 2010

Tina Flemens
Notary Public, Lea County, New Mexico





Actual Wellpath Report

No. 41H AWP
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-3D-D15-37165



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWP
Facility	Nash Unit No. 41H		

PORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect@ 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999926	Report Generated	3/24/2010 at 8:54:57 AM
Convergence at slot	0.21 ° East	Database/Source file	WA_Midland/No. 41H AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	621216.60	480003.80	32°19'08.532"N	103°56'27.391"W
Facility Reference Pt			621216.60	480003.80	32°19'08.532"N	103°56'27.391"W
Field Reference Pt			621216.60	480003.80	32°19'08.532"N	103°56'27.391"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 41H SHL (RT) to GL	17.00ft
Horizontal Reference Pt	Surface Location	Rig on No. 41H SHL (RT) to Mean Sea Level	3000.00ft
Vertical Reference Pt	Rig on No. 41H SHL (RT)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 41H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	6.01°



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Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWP
Facility	Nash Unit No. 41H		

WELL PATH DATA (224 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]
0.00	0.000	81.830	0.00	0.00	0.00	0.00	621216.60	480003.80	32°19'08.532"N	103°56'27.391"W	0.00
100.00	0.210	81.830	100.00	0.04	0.03	0.18	621216.78	480003.83	32°19'08.532"N	103°56'27.389"W	0.21
200.00	0.310	88.500	200.00	0.13	0.06	0.63	621217.23	480003.86	32°19'08.532"N	103°56'27.384"W	0.10
300.00	0.350	50.600	300.00	0.38	0.26	1.14	621217.74	480004.06	32°19'08.534"N	103°56'27.378"W	0.22
400.00	0.460	67.190	399.99	0.79	0.61	1.75	621218.35	480004.41	32°19'08.538"N	103°56'27.371"W	0.16
500.00	0.380	105.080	499.99	0.92	0.67	2.44	621219.04	480004.47	32°19'08.538"N	103°56'27.363"W	0.28
600.00	0.440	77.150	599.99	0.99	0.67	3.13	621219.73	480004.47	32°19'08.538"N	103°56'27.354"W	0.21
700.00	0.420	79.580	699.99	1.22	0.82	3.87	621220.47	480004.62	32°19'08.540"N	103°56'27.346"W	0.03
800.00	0.380	105.560	799.98	1.27	0.80	4.55	621221.15	480004.60	32°19'08.540"N	103°56'27.338"W	0.18
900.00	0.470	120.670	899.98	1.05	0.50	5.22	621221.82	480004.80	32°19'08.537"N	103°56'27.330"W	0.14
1000.00	0.430	147.040	999.98	0.58	-0.02	5.78	621222.38	480003.78	32°19'08.531"N	103°56'27.324"W	0.21
1100.00	0.700	149.250	1099.97	-0.20	-0.86	6.29	621222.89	480002.94	32°19'08.523"N	103°56'27.318"W	0.27
1200.00	1.160	163.300	1199.96	-1.62	-2.36	6.90	621223.50	480001.44	32°19'08.508"N	103°56'27.311"W	0.51
1300.00	2.030	169.850	1299.92	-4.26	-5.07	7.50	621224.10	479998.73	32°19'08.481"N	103°56'27.304"W	0.89
1400.00	2.840	159.830	1399.83	-8.18	-9.14	8.67	621225.27	479994.66	32°19'08.441"N	103°56'27.290"W	0.91
1500.00	3.680	154.680	1499.67	-13.15	-14.37	10.89	621227.49	479989.44	32°19'08.389"N	103°56'27.265"W	0.89
1600.00	3.460	156.590	1599.47	-18.51	-20.04	13.46	621230.06	479983.77	32°19'08.333"N	103°56'27.235"W	0.25
1700.00	2.730	157.680	1699.33	-23.24	-25.01	15.57	621232.17	479978.79	32°19'08.284"N	103°56'27.211"W	0.73
1800.00	1.960	159.600	1799.24	-26.87	-28.81	17.07	621233.67	479974.99	32°19'08.246"N	103°56'27.193"W	0.77
1900.00	1.990	172.480	1899.18	-30.09	-32.14	17.89	621234.49	479971.66	32°19'08.213"N	103°56'27.184"W	0.24
2000.00	1.990	176.470	1999.12	-33.49	-35.59	18.23	621234.82	479968.21	32°19'08.179"N	103°56'27.180"W	0.14
2100.00	1.270	196.800	2099.08	-36.29	-38.39	18.01	621234.61	479965.42	32°19'08.151"N	103°56'27.183"W	0.91
2200.00	0.880	200.060	2199.07	-38.12	-40.17	17.43	621234.03	479963.63	32°19'08.134"N	103°56'27.190"W	0.39
2300.00	0.600	162.740	2299.06	-39.35	-41.39	17.32	621233.92	479962.41	32°19'08.122"N	103°56'27.191"W	0.54
2400.00	2.410	130.710	2399.02	-41.03	-43.26	19.07	621235.67	479960.54	32°19'08.103"N	103°56'27.171"W	1.93
2500.00	3.730	129.160	2498.87	-44.00	-46.69	23.19	621239.78	479957.12	32°19'08.069"N	103°56'27.123"W	1.32
2600.00	3.860	128.360	2598.65	-47.58	-50.83	28.35	621244.95	479952.97	32°19'08.028"N	103°56'27.063"W	0.14
2700.00	4.810	135.020	2698.37	-52.02	-55.88	33.95	621250.55	479947.92	32°19'07.978"N	103°56'26.998"W	1.07
2800.00	5.070	139.890	2798.00	-57.72	-62.23	39.76	621256.36	479941.58	32°19'07.915"N	103°56'26.930"W	0.49
2900.00	5.340	139.570	2897.53	-61.99	-69.15	45.63	621262.22	479934.65	32°19'07.846"N	103°56'26.862"W	0.27



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No. 41H AWP
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Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWB
Facility	Nash Unit No. 41H		

WELLPATH DATA (224 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srf ft]	Grid North [srf ft]	Latitude	Longitude	DLS [°/100ft]
3000.00	4.600	137.240	2997.21	-69.84	-75.64	51.37	621267.96	479928.17	32°19'07.781"N	103°56'26.796"W	0.77
3100.00	3.770	136.350	3096.94	-74.61	-80.96	56.36	621272.95	479922.85	32°19'07.729"N	103°56'26.738"W	0.83
3200.00	3.150	140.000	3196.76	-78.65	-85.44	60.39	621276.99	479918.36	32°19'07.684"N	103°56'26.691"W	0.66
3300.00	2.650	142.000	3296.63	-82.22	-89.37	63.58	621280.18	479914.44	32°19'07.645"N	103°56'26.654"W	0.51
3400.00	2.480	141.820	3396.53	-85.43	-92.89	66.34	621282.94	479910.91	32°19'07.610"N	103°56'26.622"W	0.17
3500.00	2.100	143.350	3496.45	-88.33	-96.06	68.77	621285.37	479907.74	32°19'07.579"N	103°56'26.594"W	0.38
3600.00	1.830	142.560	3596.39	-90.84	-98.80	70.84	621287.43	479905.01	32°19'07.552"N	103°56'26.570"W	0.27
3700.00	1.470	143.500	3696.35	-92.94	-101.10	72.57	621289.17	479902.71	32°19'07.529"N	103°56'26.550"W	0.36
3800.00	1.220	142.630	3796.32	-94.66	-102.98	73.98	621290.58	479900.83	32°19'07.510"N	103°56'26.533"W	0.25
3900.00	1.320	140.740	3896.30	-96.24	-104.72	75.36	621291.95	479899.09	32°19'07.493"N	103°56'26.517"W	0.11
4000.00	1.120	148.400	3996.27	-97.83	-106.44	76.60	621293.19	479897.37	32°19'07.476"N	103°56'26.503"W	0.26
4100.00	1.310	143.100	4096.25	-99.44	-108.19	77.80	621294.39	479895.62	32°19'07.458"N	103°56'26.489"W	0.22
4200.00	1.110	136.880	4196.23	-100.91	-109.81	79.14	621295.74	479894.00	32°19'07.442"N	103°56'26.473"W	0.24
4300.00	0.770	146.980	4296.22	-102.07	-111.08	80.17	621296.77	479892.73	32°19'07.430"N	103°56'26.461"W	0.38
4400.00	0.190	140.660	4396.21	-103.07	-112.17	80.98	621297.57	479891.63	32°19'07.419"N	103°56'26.452"W	0.09
4500.00	0.780	151.820	4496.20	-104.12	-113.31	81.73	621298.33	479890.50	32°19'07.408"N	103°56'26.443"W	0.15
4600.00	0.440	162.820	4596.19	-105.04	-114.27	82.17	621298.76	479889.53	32°19'07.398"N	103°56'26.438"W	0.36
4700.00	0.550	158.650	4696.19	-105.81	-115.09	82.46	621299.05	479888.72	32°19'07.390"N	103°56'26.435"W	0.12
4800.00	0.630	134.090	4796.18	-106.58	-115.92	83.03	621299.62	479887.89	32°19'07.382"N	103°56'26.428"W	0.26
4900.00	0.540	124.730	4896.18	-107.15	-116.57	83.81	621300.40	479887.24	32°19'07.375"N	103°56'26.419"W	0.13
5000.00	0.610	116.770	4996.17	-107.56	-117.08	84.67	621301.26	479886.73	32°19'07.370"N	103°56'26.409"W	0.11
5100.00	0.520	136.430	5096.17	-108.04	-117.65	85.46	621302.05	479886.16	32°19'07.365"N	103°56'26.400"W	0.21
5200.00	0.590	118.280	5196.16	-108.53	-118.22	86.23	621302.82	479885.59	32°19'07.359"N	103°56'26.391"W	0.19
5300.00	0.620	157.520	5296.16	-109.20	-118.96	86.89	621303.48	479884.85	32°19'07.351"N	103°56'26.384"W	0.41
5400.00	0.560	127.710	5396.15	-110.15	-119.95	87.16	621303.76	479883.86	32°19'07.342"N	103°56'26.380"W	0.16
5500.00	0.540	199.700	5496.15	-111.08	-120.87	87.07	621303.67	479882.94	32°19'07.333"N	103°56'26.381"W	0.27
5600.00	0.730	220.990	5596.14	-112.06	-121.80	86.50	621303.09	479882.01	32°19'07.323"N	103°56'26.388"W	0.30
5700.00	1.070	232.780	5696.13	-113.23	-122.84	85.34	621301.93	479880.97	32°19'07.313"N	103°56'26.402"W	0.39
5800.00	1.210	228.430	5796.11	-114.64	-124.11	83.80	621300.40	479879.70	32°19'07.301"N	103°56'26.420"W	0.16
5900.00	0.990	222.850	5896.09	-116.12	-125.44	82.42	621299.02	479878.57	32°19'07.288"N	103°56'26.436"W	0.24



Actual Wellpath Report

No. 41H AWP
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REFERENCE WELL PATH IDENTIFICATION

Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWP
Facility	Nash Unit No. 41H		

WELL PATH DATA (224 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]
5912.00	1.000	226.880	5908.09	-116.28	-125.59	82.28	621298.87	479878.22	32°19'07.286"N	103°56'26.438"W	0.59
5959.00	1.140	226.470	5955.08	-116.94	-126.19	81.64	621298.23	479877.62	32°19'07.280"N	103°56'26.445"W	0.30
5990.00	0.790	263.650	5986.08	-117.22	-126.43	81.20	621297.80	479877.38	32°19'07.278"N	103°56'26.450"W	2.25
6021.00	1.410	340.020	6017.07	-116.93	-126.09	80.86	621297.45	479877.72	32°19'07.281"N	103°56'26.454"W	4.66
6052.00	3.170	357.080	6048.05	-115.74	-124.88	80.69	621297.28	479878.93	32°19'07.293"N	103°56'26.456"W	6.03
6082.00	5.450	3.760	6077.96	-113.49	-122.63	80.74	621297.33	479881.18	32°19'07.315"N	103°56'26.455"W	7.77
6113.00	8.000	6.300	6108.74	-109.87	-119.01	81.07	621297.67	479884.79	32°19'07.351"N	103°56'26.451"W	8.28
6144.00	10.640	7.090	6139.33	-104.85	-114.03	81.66	621298.26	479889.78	32°19'07.400"N	103°56'26.444"W	8.53
6175.00	13.450	6.830	6169.65	-98.38	-107.61	82.44	621299.04	479896.20	32°19'07.464"N	103°56'26.435"W	9.07
6206.00	16.090	6.300	6199.62	-90.48	-99.76	83.34	621299.94	479904.05	32°19'07.542"N	103°56'26.424"W	8.53
6237.00	18.290	6.390	6229.23	-81.31	-90.65	84.36	621300.95	479913.15	32°19'07.632"N	103°56'26.412"W	7.10
6267.00	20.580	6.570	6257.52	-71.33	-80.73	85.48	621302.08	479923.07	32°19'07.730"N	103°56'26.398"W	7.64
6298.00	22.690	6.660	6286.34	-59.91	-69.38	86.80	621303.39	479934.42	32°19'07.842"N	103°56'26.382"W	6.81
6329.00	24.890	5.600	6314.70	-47.40	-56.95	88.13	621304.72	479946.85	32°19'07.965"N	103°56'26.366"W	7.23
6360.00	26.820	4.990	6342.60	-33.88	-43.49	89.38	621305.97	479960.31	32°19'08.098"N	103°56'26.351"W	6.28
6391.00	28.840	4.990	6370.01	-19.42	-29.07	90.63	621307.23	479974.73	32°19'08.241"N	103°56'26.336"W	6.52
6422.00	30.690	5.600	6396.92	-4.03	-13.75	92.06	621308.65	479990.05	32°19'08.392"N	103°56'26.319"W	6.05
6452.00	32.620	5.420	6422.45	11.71	1.92	93.57	621310.16	480005.72	32°19'08.547"N	103°56'26.301"W	6.44
6483.00	34.120	4.550	6448.34	28.76	18.91	95.05	621311.64	480022.71	32°19'08.715"N	103°56'26.283"W	5.08
6514.00	35.260	4.370	6473.83	46.40	36.50	96.42	621313.01	480040.29	32°19'08.889"N	103°56'26.266"W	3.60
6544.00	37.460	4.550	6497.99	64.18	54.23	97.80	621314.40	480058.02	32°19'09.065"N	103°56'26.249"W	7.34
6575.00	39.830	4.550	6522.20	83.53	73.52	99.34	621315.93	480077.32	32°19'09.256"N	103°56'26.230"W	7.65
6606.00	42.380	4.810	6545.56	103.90	93.84	101.00	621317.59	480097.63	32°19'09.457"N	103°56'26.210"W	8.24
6636.00	44.930	4.990	6567.26	124.61	114.47	102.77	621319.36	480118.26	32°19'09.661"N	103°56'26.189"W	8.51
6667.00	47.660	4.650	6588.68	147.01	136.80	104.65	621321.24	480140.59	32°19'09.882"N	103°56'26.166"W	8.83
6698.00	50.300	4.720	6609.02	170.39	160.11	106.56	621323.15	480163.89	32°19'10.112"N	103°56'26.142"W	8.52
6729.00	51.970	5.160	6628.47	194.52	184.15	108.64	621325.23	480187.94	32°19'10.350"N	103°56'26.117"W	5.50
6760.00	53.640	5.340	6647.21	219.21	208.74	110.90	621327.49	480212.53	32°19'10.593"N	103°56'26.090"W	5.41
6790.00	55.220	5.250	6664.66	243.61	233.04	113.15	621329.74	480236.82	32°19'10.834"N	103°56'26.063"W	5.27
6821.00	58.040	4.900	6681.71	269.49	258.82	115.44	621332.03	480262.60	32°19'11.089"N	103°56'26.035"W	9.15



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No. 41H AWP
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Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWB
Facility	Nash Unit No. 41H		

WELLPATH DATA (224 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]
6852.00	61.030	4.810	6697.43	296.21	285.45	117.70	621334.29	480289.22	32°19'11.352"N	103°56'26.007"W	9.65
6883.00	63.220	4.900	6711.92	323.60	312.75	120.02	621336.61	480316.53	32°19'11.622"N	103°56'25.979"W	7.07
6915.00	65.330	5.250	6725.81	352.43	341.46	122.57	621339.16	480345.24	32°19'11.906"N	103°56'25.948"W	6.67
6946.00	66.830	4.460	6738.38	380.76	369.70	124.96	621341.55	480373.47	32°19'12.185"N	103°56'25.919"W	5.37
6977.00	67.800	4.110	6750.34	409.34	398.22	127.40	621343.69	480401.99	32°19'12.468"N	103°56'25.893"W	3.30
7008.00	70.170	3.840	6761.45	438.26	427.09	129.11	621345.70	480430.85	32°19'12.753"N	103°56'25.868"W	7.69
7040.00	72.550	3.840	6771.68	468.56	457.34	131.14	621347.73	480461.10	32°19'13.052"N	103°56'25.843"W	7.44
7070.00	74.920	3.580	6780.08	497.33	486.07	133.00	621349.59	480489.84	32°19'13.337"N	103°56'25.820"W	7.94
7101.00	76.680	3.580	6787.68	527.36	516.07	134.88	621351.47	480519.83	32°19'13.633"N	103°56'25.797"W	5.68
7132.00	78.610	3.750	6794.32	557.61	546.28	136.81	621353.40	480550.04	32°19'13.932"N	103°56'25.773"W	6.25
7163.00	80.460	3.930	6799.95	588.07	576.70	138.85	621355.44	480580.46	32°19'14.233"N	103°56'25.748"W	5.99
7194.00	81.950	3.930	6804.69	618.69	607.26	140.95	621357.54	480611.02	32°19'14.536"N	103°56'25.723"W	4.81
7225.00	82.750	4.190	6808.81	649.39	637.91	143.13	621359.72	480641.66	32°19'14.839"N	103°56'25.696"W	2.71
7242.00	83.450	4.110	6810.86	666.26	654.74	144.35	621360.94	480658.49	32°19'15.005"N	103°56'25.681"W	4.14
7266.00	91.000	4.000	6815.89	770.00	758.28	151.69	621368.28	480762.03	32°19'16.030"N	103°56'25.591"W	7.26
7377.00	90.700	4.000	6815.43	800.98	789.21	153.85	621370.44	480792.95	32°19'16.336"N	103°56'25.564"W	0.97
7408.00	90.000	4.000	6815.24	831.96	820.13	156.01	621372.60	480823.87	32°19'16.641"N	103°56'25.538"W	2.26
7438.00	90.100	4.200	6815.21	861.94	850.05	158.16	621374.75	480853.79	32°19'16.938"N	103°56'25.512"W	0.75
7468.00	90.000	3.200	6815.19	891.92	879.99	160.09	621376.68	480883.72	32°19'17.234"N	103°56'25.488"W	3.35
7498.00	90.100	3.100	6815.16	921.88	909.94	161.74	621378.33	480913.67	32°19'17.530"N	103°56'25.467"W	0.47
7528.00	91.000	4.900	6814.87	951.86	939.87	163.84	621380.42	480943.60	32°19'17.826"N	103°56'25.442"W	6.71
7559.00	90.300	6.100	6814.52	982.86	970.72	166.81	621383.39	480974.45	32°19'18.131"N	103°56'25.406"W	4.48
7588.00	90.100	8.200	6814.42	1011.85	999.50	170.42	621387.00	481003.22	32°19'18.416"N	103°56'25.362"W	7.27
7618.00	90.000	9.800	6814.39	1041.81	1029.13	175.11	621391.70	481032.85	32°19'18.709"N	103°56'25.307"W	5.34
7640.00	90.200	7.100	6814.23	1133.72	1120.12	183.63	621405.21	481123.83	32°19'19.609"N	103°56'25.145"W	2.94
7802.00	90.200	5.300	6813.91	1225.71	1211.58	198.56	621415.15	481215.28	32°19'20.513"N	103°56'25.025"W	1.96
7893.00	90.200	8.500	6813.59	1316.69	1301.90	209.49	621426.08	481305.60	32°19'21.407"N	103°56'24.894"W	3.52
7985.00	90.200	5.600	6813.27	1408.66	1393.20	220.78	621437.37	481396.89	32°19'22.310"N	103°56'24.759"W	3.15
8080.00	90.100	5.500	6813.02	1503.66	1487.75	229.97	621446.55	481491.44	32°19'23.245"N	103°56'24.648"W	0.15
8174.00	90.200	7.200	6812.78	1597.65	1581.17	240.37	621456.95	481584.85	32°19'24.169"N	103°56'24.522"W	1.81



Actual Wellpath Report

No. 41H AWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWP
Facility	Nash Unit No. 41H		

WELLPATH DATA (224 stations)

MD	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]
8269.00	90.100	6.800	6812.53	1692.64	1675.46	251.94	621468.53	481679.14	32°19'25.102"N	103°56'24.384"W	0.43
8364.00	90.200	6.000	6812.28	1787.64	1769.87	262.53	621479.11	481773.54	32°19'26.036"N	103°56'24.256"W	0.85
8459.00	90.600	5.500	6811.62	1882.63	1864.39	272.05	621488.63	481868.05	32°19'26.970"N	103°56'24.141"W	0.67
8554.00	90.700	4.700	6810.54	1977.61	1959.01	280.50	621497.07	481962.66	32°19'27.906"N	103°56'24.039"W	0.85
8659.00	90.700	4.800	6809.57	2073.58	2054.67	288.45	621505.02	482058.31	32°19'28.853"N	103°56'23.942"W	0.810
8744.00	90.600	3.700	6808.30	2167.53	2148.40	295.41	621511.99	482152.04	32°19'29.780"N	103°56'23.837"W	1.17
8839.00	90.600	4.000	6807.31	2262.46	2243.18	301.79	621518.37	482246.81	32°19'30.718"N	103°56'23.778"W	0.32
8934.00	91.700	4.100	6805.40	2357.38	2337.93	308.50	621525.07	482341.55	32°19'31.655"N	103°56'23.696"W	1.16
9028.00	91.700	3.000	6802.61	2451.25	2431.70	314.32	621530.89	482435.32	32°19'32.583"N	103°56'23.624"W	1.17
9125.00	92.200	3.700	6799.31	2548.09	2528.48	319.98	621536.56	482532.09	32°19'33.540"N	103°56'23.554"W	0.889
9219.00	92.200	3.100	6795.70	2641.92	2622.25	325.55	621542.13	482625.85	32°19'34.468"N	103°56'23.485"W	0.64
9314.00	92.000	3.900	6792.22	2736.77	2717.07	331.35	621547.92	482720.60	32°19'35.405"N	103°56'23.414"W	0.87
9408.00	91.600	5.300	6789.27	2830.69	2810.65	338.88	621555.46	482814.24	32°19'36.332"N	103°56'23.322"W	1.55
9502.00	90.800	6.200	6787.30	2924.66	2904.16	348.30	621564.87	482907.74	32°19'37.256"N	103°56'23.208"W	1.28
9534.00	90.800	6.600	6786.85	2956.66	2935.95	351.86	621568.44	482939.53	32°19'37.571"N	103°56'23.165"W	1.25
9566.00	89.800	6.000	6786.68	2988.66	2967.76	355.37	621571.95	482971.33	32°19'37.886"N	103°56'23.123"W	3.64
9598.00	88.800	5.700	6787.07	3020.66	2999.59	358.64	621575.21	483003.16	32°19'38.200"N	103°56'23.084"W	3.26
9630.00	87.800	5.800	6788.02	3052.64	3031.41	361.84	621578.41	483034.98	32°19'38.515"N	103°56'23.045"W	3.14
9661.00	87.500	5.600	6789.30	3083.62	3062.24	364.92	621581.49	483065.80	32°19'38.820"N	103°56'23.008"W	1.16
9692.00	87.500	5.500	6790.65	3114.55	3093.06	369.91	621584.48	483096.63	32°19'39.125"N	103°56'22.971"W	0.932
9724.00	87.500	5.800	6792.04	3146.55	3124.88	371.06	621587.63	483128.44	32°19'39.440"N	103°56'22.933"W	0.94
9756.00	87.400	5.900	6793.47	3178.52	3156.68	374.32	621590.89	483160.24	32°19'39.754"N	103°56'22.894"W	0.44
9787.00	87.700	5.500	6794.79	3209.49	3187.50	377.39	621593.97	483191.05	32°19'40.059"N	103°56'22.857"W	1.61
9819.00	87.600	5.300	6796.10	3241.46	3219.33	380.40	621596.97	483222.88	32°19'40.374"N	103°56'22.821"W	0.70
9850.00	87.500	5.400	6797.43	3272.43	3250.16	383.29	621599.86	483253.72	32°19'40.679"N	103°56'22.786"W	0.46
9882.00	87.600	5.200	6798.80	3304.40	3282.00	386.24	621602.81	483285.55	32°19'40.994"N	103°56'22.750"W	0.70
9913.00	87.500	5.300	6800.12	3335.37	3312.84	389.08	621605.65	483316.39	32°19'41.299"N	103°56'22.715"W	0.46
9945.00	87.500	5.200	6801.52	3367.34	3344.67	392.00	621608.57	483348.22	32°19'41.614"N	103°56'22.680"W	0.31
9977.00	87.600	5.000	6802.89	3399.30	3376.52	394.85	621611.42	483380.06	32°19'41.929"N	103°56'22.645"W	0.70
10008.00	87.800	5.500	6804.13	3430.28	3407.36	397.68	621614.25	483410.90	32°19'42.234"N	103°56'22.613"W	1.74



Actual Wellpath Report

No. 41H AWB
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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWB
Facility	Nash Unit No. 41H		

WELLPATH DATA (224 stations)

MD (ft)	Inclination [°]	Azimuth [°]	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (serv ft)	Grid North (serv ft)	Latitude	Longitude	DLS (°/100ft)
10040.00	89.000	4.600	6805.02	3462.26	3439.23	400.50	621617.06	483442.76	32°19'42.549"N	103°56'22.577"W	4.69
10072.00	89.800	4.300	6805.36	3494.24	3471.13	402.98	621619.55	483474.66	32°19'42.865"N	103°56'22.547"W	2.67
10104.00	89.900	5.700	6805.44	3526.24	3503.00	405.77	621622.34	483506.54	32°19'43.180"N	103°56'22.513"W	4.39
10135.00	89.900	5.900	6805.50	3557.24	3533.85	408.90	621625.47	483537.38	32°19'43.485"N	103°56'22.475"W	0.65
10167.00	89.900	4.900	6805.55	3589.24	3565.70	411.91	621628.48	483569.23	32°19'43.800"N	103°56'22.438"W	3.12
10198.00	89.900	4.800	6805.61	3620.23	3596.59	414.53	621631.10	483600.12	32°19'44.106"N	103°56'22.407"W	0.32
10230.00	90.000	4.100	6805.63	3652.22	3628.50	417.01	621633.58	483632.02	32°19'44.421"N	103°56'22.376"W	2.21
10261.00	89.900	3.100	6805.66	3683.19	3659.43	418.96	621635.53	483662.96	32°19'44.728"N	103°56'22.352"W	3.24
10293.00	90.000	2.700	6805.69	3715.14	3691.39	420.58	621637.15	483694.91	32°19'45.044"N	103°56'22.332"W	1.29
10324.00	90.100	2.900	6805.66	3746.09	3722.36	422.09	621638.66	483725.87	32°19'45.350"N	103°56'22.313"W	0.72
10356.00	90.100	4.900	6805.61	3778.07	3754.28	424.27	621640.84	483757.79	32°19'45.666"N	103°56'22.286"W	6.25
10387.00	90.000	5.600	6805.58	3809.07	3785.15	427.11	621643.67	483788.66	32°19'45.971"N	103°56'22.252"W	2.28
10419.00	89.900	4.900	6805.61	3841.06	3817.02	430.04	621646.60	483820.53	32°19'46.286"N	103°56'22.217"W	2.21
10450.00	90.000	4.900	6805.63	3872.06	3847.90	432.68	621649.25	483851.41	32°19'46.592"N	103°56'22.184"W	0.32
10482.00	90.200	6.100	6805.58	3904.06	3879.75	435.75	621652.32	483883.26	32°19'46.907"N	103°56'22.147"W	3.80
10514.00	90.000	6.300	6805.52	3936.06	3911.57	439.21	621655.77	483915.07	32°19'47.222"N	103°56'22.106"W	0.88
10546.00	90.200	5.600	6805.47	3968.06	3943.39	442.52	621659.09	483946.89	32°19'47.537"N	103°56'22.066"W	2.28
10577.00	89.900	5.200	6805.44	3999.05	3974.26	445.44	621662.01	483977.75	32°19'47.842"N	103°56'22.030"W	1.61
10609.00	90.300	6.300	6805.38	4031.05	4006.10	448.65	621665.21	484009.59	32°19'48.157"N	103°56'21.992"W	3.66
10640.00	90.000	6.400	6805.30	4062.05	4036.90	452.08	621668.64	484040.40	32°19'48.461"N	103°56'21.950"W	1.02
10672.00	89.900	6.400	6805.33	4094.05	4068.71	455.64	621672.21	484072.20	32°19'48.776"N	103°56'21.907"W	0.31
10704.00	90.000	7.700	6805.36	4126.05	4100.46	459.57	621676.13	484103.95	32°19'49.090"N	103°56'21.860"W	4.07
10736.00	90.000	7.800	6805.36	4158.03	4132.17	463.88	621680.45	484135.66	32°19'49.404"N	103°56'21.809"W	0.31
10770.00	90.000	8.700	6805.36	4192.00	4165.82	468.76	621685.33	484169.30	32°19'49.737"N	103°56'21.750"W	2.65
10801.00	89.900	6.800	6805.39	4222.99	4196.53	472.94	621689.51	484200.01	32°19'50.040"N	103°56'21.700"W	6.14
10833.00	90.100	7.500	6805.39	4254.98	4228.28	476.93	621693.49	484231.76	32°19'50.354"N	103°56'21.652"W	2.28
10865.00	90.000	9.800	6805.36	4286.95	4259.92	481.74	621698.30	484263.39	32°19'50.667"N	103°56'21.595"W	7.19
10897.00	90.100	9.600	6805.33	4318.88	4291.46	487.13	621703.69	484294.93	32°19'50.979"N	103°56'21.531"W	0.70
10928.00	90.000	10.400	6805.30	4349.80	4321.99	492.51	621709.08	484325.46	32°19'51.281"N	103°56'21.467"W	2.60
10960.00	89.900	8.400	6805.33	4381.75	4353.56	497.74	621714.30	484357.03	32°19'51.593"N	103°56'21.404"W	6.26



Actual Wellpath Report

No. 41H AWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWB
Facility	Nash Unit No. 41H		

WELLPATH DATA (224 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]
10992.00	89.900	7.900	6805.39	4413.72	4385.24	502.28	621718.84	484388.70	32°19'51.906"N	103°56'21.350"W	1.56
11023.00	90.000	7.000	6805.41	4444.71	4415.97	506.30	621722.86	484419.44	32°19'52.210"N	103°56'21.302"W	2.92
11055.00	89.900	7.200	6805.44	4476.71	4447.73	510.25	621726.81	484451.19	32°19'52.525"N	103°56'21.255"W	0.70
11086.00	89.900	6.600	6805.50	4507.71	4478.50	513.98	621730.54	484481.96	32°19'52.829"N	103°56'21.210"W	1.94
11118.00	89.900	5.600	6805.55	4539.70	4510.32	517.38	621733.94	484513.78	32°19'53.144"N	103°56'21.169"W	3.82
11150.00	89.900	5.200	6805.61	4571.70	4542.18	520.39	621736.95	484545.63	32°19'53.459"N	103°56'21.132"W	1.25
11182.00	90.200	6.700	6805.58	4603.70	4574.01	523.70	621740.26	484577.46	32°19'53.774"N	103°56'21.092"W	4.78
11213.00	90.100	7.900	6805.50	4634.69	4604.75	527.64	621744.20	484608.20	32°19'54.078"N	103°56'21.045"W	3.88
11245.00	90.000	6.900	6805.47	4666.68	4636.49	531.76	621748.32	484639.93	32°19'54.392"N	103°56'20.996"W	3.14
11277.00	89.900	6.800	6805.50	4698.68	4668.26	535.58	621752.14	484671.70	32°19'54.706"N	103°56'20.950"W	0.44
11308.00	89.800	5.100	6805.58	4729.68	4699.09	538.79	621755.35	484702.53	32°19'55.011"N	103°56'20.911"W	5.49
11340.00	90.000	4.300	6805.64	4761.67	4730.98	541.42	621757.98	484734.42	32°19'55.326"N	103°56'20.879"W	2.58
11371.00	89.900	3.200	6805.66	4792.65	4761.92	543.44	621760.00	484765.35	32°19'55.632"N	103°56'20.854"W	3.56
11403.00	90.000	2.000	6805.69	4824.59	4793.88	544.90	621761.45	484797.32	32°19'55.949"N	103°56'20.836"W	3.76
11435.00	90.000	2.500	6805.69	4856.52	4825.86	546.15	621762.71	484829.29	32°19'56.265"N	103°56'20.820"W	1.56
11467.00	90.000	2.900	6805.69	4888.47	4857.82	547.66	621764.22	484861.25	32°19'56.581"N	103°56'20.801"W	1.25
11498.00	90.300	3.700	6805.61	4919.43	4888.77	549.44	621766.00	484892.20	32°19'56.887"N	103°56'20.779"W	2.76
11530.00	90.100	3.900	6805.50	4951.41	4920.70	551.56	621768.12	484924.12	32°19'57.203"N	103°56'20.753"W	0.88
11562.00	90.000	3.500	6805.47	4983.38	4952.63	553.63	621770.19	484956.06	32°19'57.519"N	103°56'20.727"W	1.29
11594.00	90.000	2.300	6805.47	5015.33	4984.59	555.25	621771.81	484988.01	32°19'57.835"N	103°56'20.707"W	3.75
11626.00	90.000	1.600	6805.47	5047.25	5016.57	556.34	621772.90	485019.99	32°19'58.152"N	103°56'20.693"W	2.19
11657.00	90.000	2.100	6805.47	5078.17	5047.56	557.34	621773.90	485050.97	32°19'58.458"N	103°56'20.680"W	1.61
11688.00	90.000	2.400	6805.47	5109.10	5078.53	558.56	621775.11	485081.95	32°19'58.765"N	103°56'20.665"W	0.97
11721.00	90.100	3.100	6805.44	5142.05	5111.49	560.14	621776.70	485114.90	32°19'59.091"N	103°56'20.645"W	2.14
11753.00	90.000	4.400	6805.41	5174.02	5143.42	562.23	621778.79	485146.83	32°19'59.407"N	103°56'20.619"W	4.07
11784.00	89.900	3.800	6805.44	5205.01	5174.35	564.45	621781.00	485177.75	32°19'59.713"N	103°56'20.592"W	1.96
11816.00	89.600	1.300	6805.58	5236.94	5206.31	565.87	621782.43	485209.71	32°20'00.029"N	103°56'20.574"W	7.87
11848.00	89.900	3.590	6805.72	5268.78	5238.31	565.98	621782.54	485241.71	32°20'00.346"N	103°56'20.571"W	6.94
11880.00	89.900	3.580	6805.78	5300.51	5270.30	565.17	621781.73	485273.70	32°20'00.662"N	103°56'20.579"W	3.44
11912.00	89.400	3.550	6805.97	5332.09	5302.24	563.39	621779.94	485305.64	32°20'00.978"N	103°56'20.599"W	7.66



Actual Wellpath Report

No. 41H AWP
Page 9 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Slot	No. 41H SHL
Area	Eddy County, NM	Well	No. 41H
Field	(Nash) Sec 12, T23S, R29E	Wellbore	No. 41H AWP
Facility	Nash Unit No. 41H		

WELLPATH DATA (224 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sec [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]
11941.00	89.600	354.000	6806.22	5360.53	5331.12	560.76	621777.32	485334.52	32°20'01.264"N	103°56'20.628"W	5.56
11972.00	90.000	355.200	6806.33	5390.92	5361.98	557.84	621774.40	485365.38	32°20'01.570"N	103°56'20.661"W	4.08
12004.00	90.000	357.900	6806.33	5422.48	5393.92	555.92	621772.47	485397.31	32°20'01.886"N	103°56'20.682"W	8.44
12036.00	90.000	0.400	6806.33	5454.25	5425.92	555.44	621772.00	485429.30	32°20'02.202"N	103°56'20.686"W	7.81
12067.00	90.000	0.800	6806.33	5485.11	5456.92	555.72	621772.32	485460.30	32°20'02.509"N	103°56'20.681"W	1.29
12099.00	90.200	2.200	6806.28	5517.01	5488.90	556.60	621773.16	485492.29	32°20'02.826"N	103°56'20.670"W	4.42
12131.00	90.400	3.500	6806.11	5548.96	5520.86	558.19	621774.75	485524.24	32°20'03.142"N	103°56'20.650"W	4.11
12162.00	90.200	4.700	6805.95	5579.94	5551.78	560.41	621776.97	485555.16	32°20'03.448"N	103°56'20.623"W	3.92
12194.00	90.000	5.400	6805.89	5611.94	5583.66	563.23	621779.79	485587.03	32°20'03.763"N	103°56'20.589"W	2.28
12225.00	90.300	7.500	6805.81	5642.94	5614.46	566.71	621783.27	485617.83	32°20'04.068"N	103°56'20.547"W	6.84
12257.00	90.100	8.100	6805.70	5674.92	5646.16	571.05	621787.61	485649.53	32°20'04.381"N	103°56'20.495"W	1.98
12289.00	90.300	9.100	6805.59	5706.89	5677.80	575.84	621792.39	485681.17	32°20'04.694"N	103°56'20.438"W	3.19
12305.00	90.000	9.700	6805.54	5722.86	5693.59	578.45	621795.01	485696.96	32°20'04.850"N	103°56'20.406"W	4.19
12365.00	90.000	9.700	6805.54	5782.73	5752.73	588.56	621805.12	485756.09	32°20'05.435"N	103°56'20.286"W	0.00

RGPTS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	Shape
No. 41H PBHL		6813.00	5750.44	605.85	621822.40	485753.80	32°20'05.412"N	103°56'20.085"W	point

WELLPATH COMPOSITION

Start MD [ft]	End MD [ft]	Ref Wellbore: No. 41H AWP	Ref Wellpath: No. 41H AWP	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	5912.00	Genetic gyro - continuous (Standard)			GYRO <100 - 5912>	No. 41H AWP
5912.00	7242.00	ISCWSA MWD, Rev. 2 (Standard)			PF MWD <5959 - 7242>	No. 41H AWP
7242.00	12305.00	AutoTrak G3 (Standard)			MWD <7346 - 12305>	No. 41H AWP
12305.00	12365.00	Blind Drilling (std)			Projection to bit	No. 41H AWP

XTO Energy Inc.

Location: Eddy County, NM
Field: (Nash)
Facility: Nash Unit No. 41H

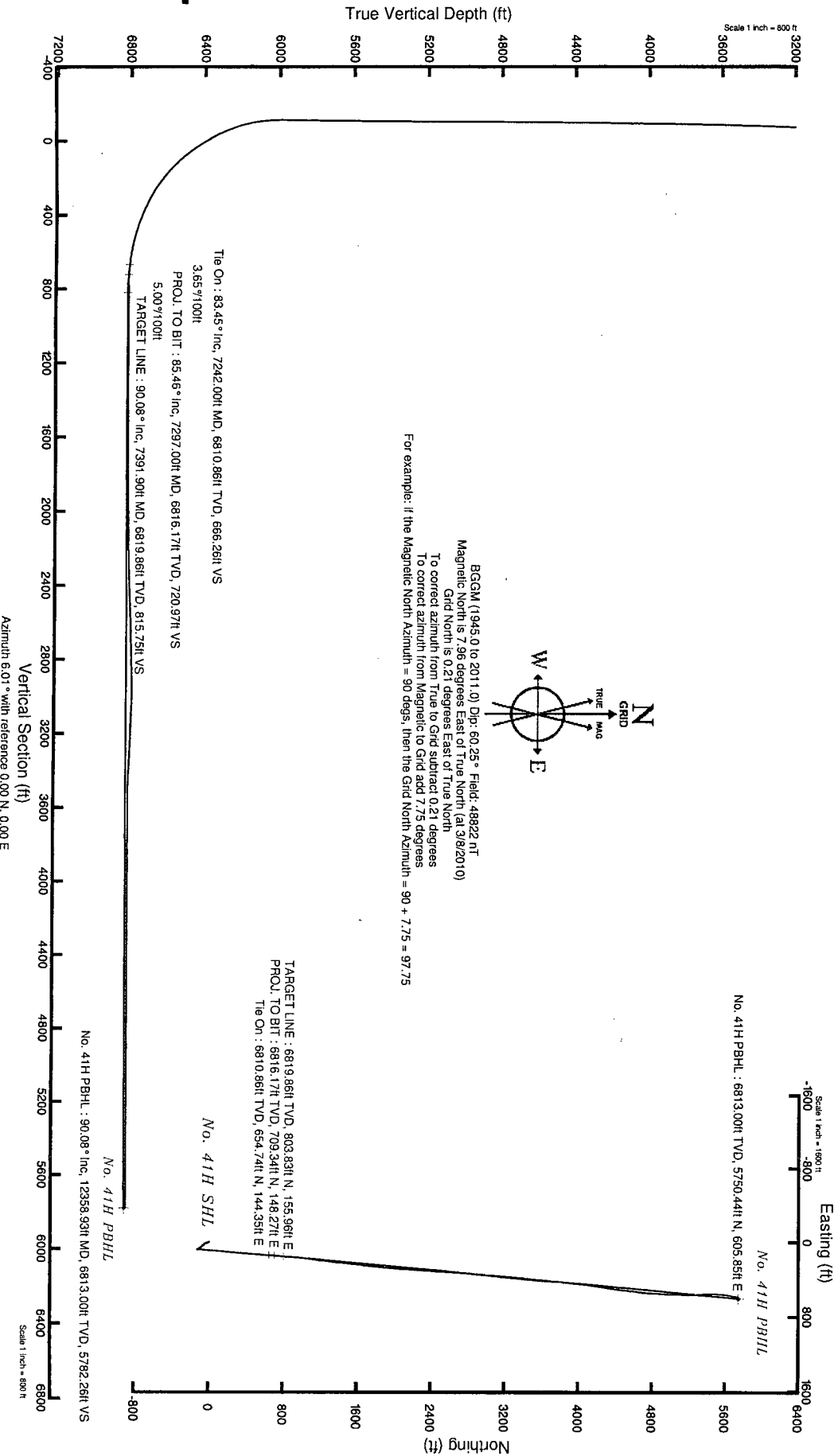
Slot: No. 41H SHL
Well: No. 41H
Wellbore: No. 41H PWB



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (%100ft)	VS (ft)
Tie On	7242.00	83.450	4.110	6810.86	654.74	144.35	0.00	666.26
PROJ. TO BIT	7297.00	85.460	4.110	6816.17	709.34	148.27	3.65	720.97
TARGET LINE	7391.90	90.079	5.197	6819.86	803.83	155.96	5.00	815.75
No. 41H PBHL	12358.93	90.079	5.197	6813.00	5750.44	605.85	0.00	5782.26

True reference wellbore is Plan #1 vs Actual #FINAL.				Grid System: NAD83 / TM New Mexico State Plane, Eastern Zone (5001), US feet
True vertical depths are referenced to Rig on No. 41H SHL (RT)				North Reference Grid north
Measured depths are referenced to Rig on No. 41H SHL (RT)				Scale: True distance
Rig on No. 41H SHL (RT) to Mean Steel Level: 3000 feet				Options are in feet
Mean Steel Level to Mud line (Facility: Nash Unit No. 41H): 2583 feet				Created by: Victor Hernandez on 3/24/2010
Coordinates are in feet referenced to Surface Location				





Scientific Drilling

Gyroscopic Survey Report
for
XTO ENERGY

3D-015-37165

Well Location	EDDY COUNTY, NEW MEXICO
Well Name	NASH UNIT #41H
Rig Name	McVAY #7
Survey Date	3/5/2010
Latitude	32.32 deg
North Reference	Grid North
Grid Correction	-0.21 deg
Depth Reference	RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 6.00Azim (deg)
Definitive Survey	FINAL INRUN SURVEY
Operator	A.MADRID

Comments



Survey Report

Well Name: NASH UNIT #41H
Survey: FINAL INRUN SURVEY
Survey Date: 3/5/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.21	81.83	100.00	0.04	0.03	0.18	0.21	0.18	81.83
200.00	0.31	88.50	200.00	0.12	0.06	0.63	0.10	0.63	84.65
300.00	0.35	50.60	300.00	0.38	0.26	1.13	0.22	1.16	77.17
400.00	0.46	67.79	399.99	0.78	0.60	1.74	0.16	1.84	70.91
500.00	0.38	105.08	499.99	0.92	0.67	2.43	0.28	2.52	74.62
600.00	0.44	77.15	599.99	0.99	0.67	3.12	0.21	3.19	77.92
700.00	0.42	79.58	699.99	1.22	0.82	3.87	0.03	3.95	78.00
800.00	0.38	105.56	799.98	1.27	0.80	4.55	0.19	4.62	80.03
900.00	0.47	120.67	899.98	1.04	0.50	5.22	0.15	5.25	84.54
1000.00	0.43	147.04	999.98	0.58	-0.02	5.78	0.21	5.78	90.24
1100.00	0.70	149.25	1099.97	-0.20	-0.87	6.30	0.28	6.36	97.83
1200.00	1.16	163.30	1199.96	-1.63	-2.36	6.91	0.51	7.30	108.89
1300.00	2.03	169.85	1299.92	-4.26	-5.08	7.51	0.89	9.06	124.06
1400.00	2.84	159.83	1399.83	-8.19	-9.15	8.68	0.91	12.61	136.52
1500.00	3.68	154.68	1499.67	-13.16	-14.38	10.90	0.88	18.04	142.82
1600.00	3.46	156.59	1599.47	-18.53	-20.04	13.47	0.25	24.15	146.09
1700.00	2.73	157.68	1699.33	-23.25	-25.02	15.58	0.73	29.47	148.09
1800.00	1.96	159.60	1799.24	-26.88	-28.83	17.08	0.77	33.51	149.35
1900.00	1.99	172.48	1899.18	-30.10	-32.15	17.90	0.44	36.80	150.89
2000.00	1.99	176.47	1999.12	-33.51	-35.61	18.24	0.14	40.01	152.88
2100.00	1.27	196.80	2099.08	-36.31	-38.40	18.02	0.92	42.42	154.86
2200.00	0.88	200.06	2199.07	-38.14	-40.18	17.44	0.39	43.80	156.53
2300.00	0.60	162.74	2299.06	-39.36	-41.40	17.33	0.54	44.88	157.28
2400.00	2.41	130.71	2399.02	-41.04	-43.27	19.08	1.93	47.29	156.20
2500.00	3.73	129.16	2498.87	-44.01	-46.69	23.20	1.32	52.14	153.58
2600.00	3.86	128.36	2598.65	-47.59	-50.83	28.36	0.14	58.21	150.84
2700.00	4.81	135.02	2698.37	-52.03	-55.89	33.96	1.07	65.40	148.71
2800.00	5.07	139.89	2798.00	-57.73	-62.23	39.77	0.49	73.86	147.42
2900.00	5.34	139.57	2897.58	-64.00	-69.15	45.64	0.28	82.85	146.58
3000.00	4.60	137.24	2997.21	-69.86	-75.64	51.38	0.77	91.44	145.81
3100.00	3.77	136.35	3096.94	-74.63	-80.97	56.37	0.84	98.66	145.15
3200.00	3.15	140.00	3196.76	-78.66	-85.45	60.40	0.65	104.64	144.74
3300.00	2.65	142.00	3296.63	-82.23	-89.37	63.59	0.51	109.68	144.57
3400.00	2.48	141.82	3396.53	-85.44	-92.89	66.35	0.17	114.15	144.46
3500.00	2.10	143.35	3496.45	-88.34	-96.06	68.78	0.38	118.14	144.40
3600.00	1.83	142.56	3596.39	-90.85	-98.80	70.84	0.27	121.57	144.36
3700.00	1.47	143.50	3696.35	-92.96	-101.10	72.58	0.36	124.45	144.33
3800.00	1.22	142.63	3796.32	-94.67	-102.97	73.99	0.25	126.80	144.30



Survey Report

Well Name: NASH UNIT #41H
Survey: FINAL INRUN SURVEY
Survey Date: 3/5/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
3900.00	1.32	140.74	3896.30	-96.26	-104.71	75.36	0.11	129.01	144.26
4000.00	1.12	148.40	3996.27	-97.84	-106.43	76.60	0.25	131.13	144.26
4100.00	1.31	143.10	4096.25	-99.45	-108.18	77.80	0.22	133.25	144.28
4200.00	1.11	136.88	4196.23	-100.93	-109.80	79.15	0.24	135.36	144.21
4300.00	0.77	146.98	4296.22	-102.08	-111.07	80.18	0.38	136.99	144.18
4400.00	0.79	140.66	4396.21	-103.09	-112.17	80.98	0.09	138.35	144.17
4500.00	0.78	151.82	4496.20	-104.14	-113.31	81.74	0.15	139.71	144.19
4600.00	0.44	162.82	4596.19	-105.06	-114.27	82.18	0.37	140.75	144.28
4700.00	0.55	158.65	4696.19	-105.83	-115.08	82.46	0.12	141.58	144.38
4800.00	0.63	134.09	4796.18	-106.60	-115.91	83.03	0.26	142.58	144.38
4900.00	0.54	124.73	4896.18	-107.16	-116.56	83.81	0.13	143.56	144.28
5000.00	0.61	116.77	4996.17	-107.57	-117.07	84.67	0.11	144.48	144.12
5100.00	0.52	136.43	5096.17	-108.06	-117.64	85.47	0.21	145.41	144.00
5200.00	0.59	118.28	5196.16	-108.55	-118.21	86.23	0.19	146.32	143.89
5300.00	0.62	157.52	5296.16	-109.22	-118.96	86.89	0.41	147.31	143.85
5400.00	0.56	171.77	5396.15	-110.17	-119.94	87.17	0.16	148.27	143.99
5500.00	0.54	199.70	5496.15	-111.10	-120.86	87.08	0.27	148.97	144.23
5600.00	0.73	220.99	5596.14	-112.08	-121.79	86.50	0.30	149.38	144.62
5700.00	1.07	232.78	5696.13	-113.25	-122.84	85.34	0.38	149.57	145.21
5800.00	1.21	228.43	5796.11	-114.66	-124.10	83.81	0.16	149.75	145.97
5900.00	0.99	222.85	5896.09	-116.13	-125.43	82.43	0.24	150.10	146.69
5912.00	1.00	226.88	5908.09	-116.29	-125.58	82.28	0.60	150.14	146.77

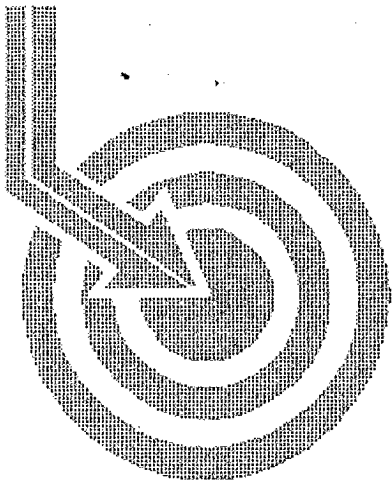
NASH UNIT #41H gyro.txt

Gyroscopic Survey Report for:
XTO ENERGY

Well Location: EDDY COUNTY, NEW MEXICO
Well Name: NASH UNIT #41H
Rig Name: MCVAY #7
Survey Date: 3/5/2010
Latitude: 32.32 deg
North Reference: Grid North
Grid Correction: -0.21 deg
Depth Reference: RKB
Calculation Method: Minimum Curvature
Section (VS) Ref: 0.00N (ft), 0.00E (ft), 6.00Azim (deg)
Definitive Survey: FINAL INRUN SURVEY
Operator: A.MADRID

Measured Depth [ft]	Vertical Section [ft]	Inclination [deg]	Northing (Latitude) [ft]	Azimuth [deg]	True Vertical Depth	Easting (Departure)
[ft]	Dog Leg Severity [deg/100ft]	[deg/100ft]	Closure Distance [ft]	[ft]	Closure Angle [deg]	
0.00	0.00	0.00	0.00	0.00	Invalid	0.00
100.00	0.21	81.83	100.00	0.04	0.03	0.18
200.00	0.31	88.50	200.00	0.12	0.06	0.63
300.00	0.35	50.60	300.00	0.38	0.26	1.13
400.00	0.46	67.79	399.99	0.78	0.60	1.74
500.00	0.38	105.08	499.99	0.92	0.67	2.43
600.00	0.44	77.15	599.99	0.99	0.67	3.12
700.00	0.42	79.58	699.99	1.22	0.82	3.87
800.00	0.38	105.56	799.98	1.27	0.80	4.55
900.00	0.47	120.67	899.98	1.04	0.50	5.22
1000.00	0.43	147.04	999.98	0.58	-0.02	5.78
1100.00	0.70	149.25	1099.97	-0.20	-0.87	6.30
1200.00	1.16	163.30	1199.96	-1.63	-2.36	6.91
1300.00	2.03	169.85	1299.92	-4.26	-5.08	7.51
1400.00	2.84	159.83	1399.83	-8.19	-9.15	8.68
1500.00	3.68	154.68	1499.67	-13.16	-14.38	10.90
1600.00	3.46	156.59	1599.47	-18.53	-20.04	13.47
1700.00	2.73	157.68	1699.33	-23.25	-25.02	15.58
1800.00	1.96	159.60	1799.24	-26.88	-28.83	17.08
1900.00	1.99	172.48	1899.18	-30.10	-32.15	17.90
2000.00	1.99	176.47	1999.12	-33.51	-35.61	18.24
2100.00	1.27	196.80	2099.08	-36.31	-38.40	18.02
2200.00	0.88	200.06	2199.07	-38.14	-40.18	17.44
2300.00	0.60	162.74	2299.06	-39.36	-41.40	17.33
2400.00	2.41	130.71	2399.02	-41.04	-43.27	19.08
2500.00	3.73	129.16	2498.87	-44.01	-46.69	23.20
2600.00	3.86	128.36	2598.65	-47.59	-50.83	28.36
2700.00	4.81	135.02	2698.37	-52.03	-55.89	33.96
2800.00	5.07	139.89	2798.00	-57.73	-62.23	39.77
2900.00	5.34	139.57	2897.58	-64.00	-69.15	45.64
3000.00	4.60	137.24	2997.21	-69.86	-75.64	51.38
3100.00	3.77	136.35	3096.94	-74.63	-80.97	56.37
3200.00	3.15	140.00	3196.76	-78.66	-85.45	60.40
3300.00	2.65	142.00	3296.63	-82.23	-89.37	63.59
3400.00	2.48	141.82	3396.53	-85.44	-92.89	66.35
3500.00	2.10	143.35	3496.45	-88.34	-96.06	68.78
3600.00	1.83	142.56	3596.39	-90.85	-98.80	70.84
3700.00	1.47	143.50	3696.35	-92.96	-101.10	72.58
3800.00	1.22	142.63	3796.32	-94.67	-102.97	73.99
3900.00	1.32	140.74	3896.30	-96.26	-104.71	75.36
4000.00	1.12	148.40	3996.27	-97.84	-106.43	76.60
4100.00	1.31	143.10	4096.25	-99.45	-108.18	77.80
4200.00	1.11	136.88	4196.23	-100.93	-109.80	79.15
4300.00	0.77	146.98	4296.22	-102.08	-111.07	80.18

NASH UNIT #41H gyro.txt									
4400.00	0.79	140.66	4396.21	-103.09	-112.17	80.98	0.09	138.35	144.17
4500.00	0.78	151.82	4496.20	-104.14	-113.31	81.74	0.15	139.71	144.19
4600.00	0.44	162.82	4596.19	-105.06	-114.27	82.18	0.37	140.75	144.28
4700.00	0.55	158.65	4696.19	-105.83	-115.08	82.46	0.12	141.58	144.38
4800.00	0.63	134.09	4796.18	-106.60	-115.91	83.03	0.26	142.58	144.38
4900.00	0.54	124.73	4896.18	-107.16	-116.56	83.81	0.13	143.56	144.28
5000.00	0.61	116.77	4996.17	-107.57	-117.07	84.67	0.11	144.48	144.12
5100.00	0.52	136.43	5096.17	-108.06	-117.64	85.47	0.21	145.41	144.00
5200.00	0.59	118.28	5196.16	-108.55	-118.21	86.23	0.19	146.32	143.89
5300.00	0.62	157.52	5296.16	-109.22	-118.96	86.89	0.41	147.31	143.85
5400.00	0.56	171.77	5396.15	-110.17	-119.94	87.17	0.16	148.27	143.99
5500.00	0.54	199.70	5496.15	-111.10	-120.86	87.08	0.27	148.97	144.23
5600.00	0.73	220.99	5596.14	-112.08	-121.79	86.50	0.30	149.38	144.62
5700.00	1.07	232.78	5696.13	-113.25	-122.84	85.34	0.38	149.57	145.21
5800.00	1.21	228.43	5796.11	-114.66	-124.10	83.81	0.16	149.75	145.97
5900.00	0.99	222.85	5896.09	-116.13	-125.43	82.43	0.24	150.10	146.69
5912.00	1.00	226.88	5908.09	-116.29	-125.58	82.28	0.60	150.14	146.77



Scientific Drilling

XTO ENERGY INC.

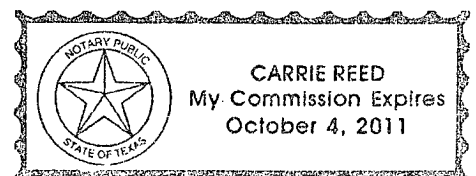
Field: Nash Draw
Site: Eddy County, NM
Well: Nash Unit #41H
Wellpath: VH - Job #32K0310143
Survey: 03/04/10

This survey is correct to the best of my knowledge and is supported by actual field data.

Chapman
Company Representative

Notarized this date 28th of March, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Inc.

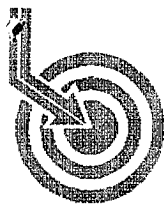
Survey Report

Company: XTO ENERGY INC	Date: 3/8/2010	Time: 16:15:04	Page: 1
Field: Nash Draw	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Nash Unit #41H	Section (VS) Reference:	Well (0.00N, 0.00E, 6.00Azi)	
Wellpath: VH - Job #32K0310143	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 03/04/10	Start Date: 3/4/2010
Company: Scientific Drilling International	Engineer: Madrid w/Renegade
Tool: Keeper, Keeper Gyro	Tied-to: From Surface

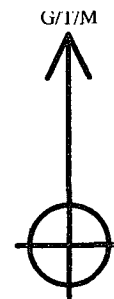
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	359.79	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.21	81.83	100.0	0.0	0.0	0.2	0.21	0.2	81.83
200.0	0.31	88.50	200.0	0.1	0.1	0.6	0.10	0.6	84.66
300.0	0.35	50.60	300.0	0.4	0.3	1.1	0.22	1.2	77.14
400.0	0.46	67.79	400.0	0.8	0.6	1.7	0.16	1.8	70.88
500.0	0.38	105.08	500.0	0.9	0.7	2.4	0.28	2.5	74.61
600.0	0.44	77.15	600.0	1.0	0.7	3.1	0.21	3.2	77.93
700.0	0.42	79.58	700.0	1.2	0.8	3.9	0.03	4.0	78.00
800.0	0.38	105.56	800.0	1.3	0.8	4.5	0.18	4.6	80.03
900.0	0.47	120.67	900.0	1.0	0.5	5.2	0.14	5.2	84.52
1000.0	0.43	147.04	1000.0	0.6	0.0	5.8	0.21	5.8	90.23
1100.0	0.70	149.25	1100.0	-0.2	-0.9	6.3	0.27	6.4	97.80
1200.0	1.16	163.30	1200.0	-1.6	-2.4	6.9	0.51	7.3	108.87
1300.0	2.03	169.85	1299.9	-4.3	-5.1	7.5	0.89	9.1	124.06
1400.0	2.84	159.83	1399.8	-8.2	-9.1	8.7	0.91	12.6	136.52
1500.0	3.68	154.68	1499.7	-13.1	-14.4	10.9	0.89	18.0	142.83
1600.0	3.46	156.59	1599.5	-18.5	-20.0	13.5	0.25	24.1	146.10
1700.0	2.73	157.68	1699.3	-23.2	-25.0	15.6	0.73	29.5	148.10
1800.0	1.96	159.60	1799.2	-26.9	-28.8	17.1	0.77	33.5	149.36
1900.0	1.99	172.48	1899.2	-30.1	-32.1	17.9	0.44	36.8	150.89
2000.0	1.99	176.47	1999.1	-33.5	-35.6	18.2	0.14	40.0	152.88
2100.0	1.27	196.80	2099.1	-36.3	-38.4	18.0	0.91	42.4	154.86
2200.0	0.88	200.06	2199.1	-38.1	-40.2	17.4	0.39	43.8	156.54
2300.0	0.60	162.74	2299.1	-39.4	-41.4	17.3	0.54	44.9	157.29
2400.0	2.41	130.71	2399.0	-41.0	-43.3	19.1	1.93	47.3	156.21
2500.0	3.73	129.16	2498.9	-44.0	-46.7	23.2	1.32	52.1	153.59
2600.0	3.86	128.36	2598.7	-47.6	-50.8	28.3	0.14	58.2	150.85
2700.0	4.81	135.02	2698.4	-52.0	-55.9	34.0	1.07	65.4	148.72
2800.0	5.07	139.89	2798.0	-57.7	-62.2	39.8	0.49	73.8	147.42
2900.0	5.34	139.57	2897.6	-64.0	-69.2	45.6	0.27	82.8	146.58
3000.0	4.60	137.24	2997.2	-69.9	-75.6	51.4	0.77	91.4	145.82
3100.0	3.77	136.35	3096.9	-74.6	-81.0	56.4	0.83	98.6	145.16
3200.0	3.15	140.00	3196.8	-78.7	-85.4	60.4	0.66	104.6	144.75
3300.0	2.65	142.00	3296.6	-82.2	-89.4	63.6	0.51	109.7	144.57
3400.0	2.48	141.82	3396.5	-85.4	-92.9	66.3	0.17	114.2	144.47
3500.0	2.10	143.35	3496.4	-88.3	-96.1	68.8	0.38	118.1	144.40
3600.0	1.83	142.56	3596.4	-90.9	-98.8	70.8	0.27	121.6	144.36
3700.0	1.47	143.50	3696.3	-93.0	-101.1	72.6	0.36	124.5	144.33
3800.0	1.22	142.63	3796.3	-94.7	-103.0	74.0	0.25	126.8	144.31
3900.0	1.32	140.74	3896.3	-96.3	-104.7	75.4	0.11	129.0	144.26
4000.0	1.12	148.40	3996.3	-97.8	-106.4	76.6	0.26	131.1	144.26
4100.0	1.31	143.10	4096.3	-99.5	-108.2	77.8	0.22	133.3	144.28
4200.0	1.11	136.88	4196.2	-100.9	-109.8	79.1	0.24	135.4	144.22
4300.0	0.77	146.98	4296.2	-102.1	-111.1	80.2	0.38	137.0	144.18
4400.0	0.79	140.66	4396.2	-103.1	-112.2	81.0	0.09	138.3	144.18
4500.0	0.78	151.82	4496.2	-104.1	-113.3	81.7	0.15	139.7	144.20
4600.0	0.44	162.82	4596.2	-105.1	-114.3	82.2	0.36	140.7	144.28
4700.0	0.55	158.65	4696.2	-105.8	-115.1	82.5	0.12	141.6	144.38
4800.0	0.63	134.09	4796.2	-106.6	-115.9	83.0	0.26	142.6	144.39



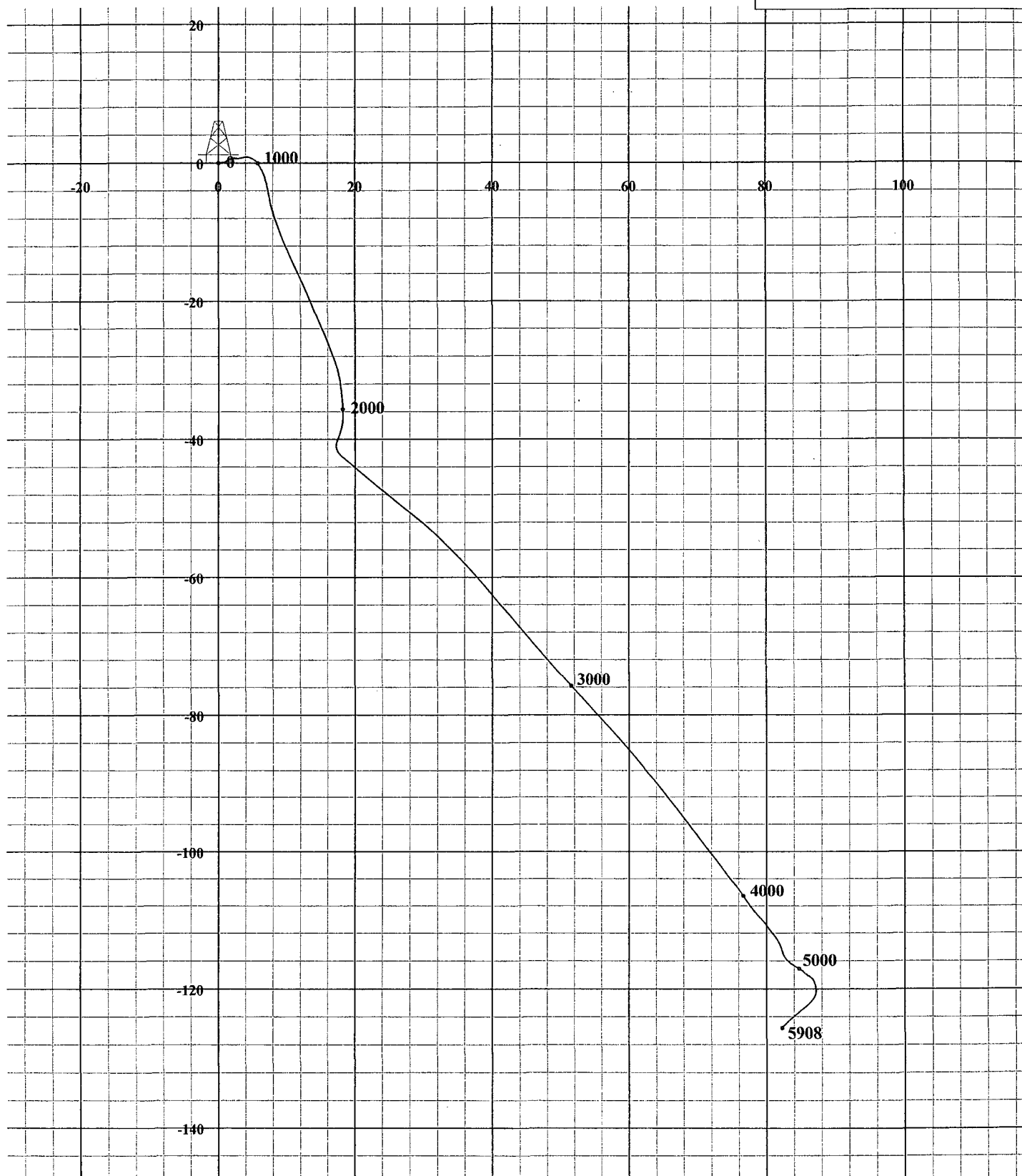
Scientific
Drilling

Field: Nash Draw
Site: Eddy County, NM
Well: Nash Unit #41H
Survey: 03/04/10



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Dip Angle: 0.00°
Date: 3/8/2010
Model: igrf2000

South(-)/North(+) [20ft/in]



West(-)/East(+) [20ft/in]