

30-015-36354



Yates Petroleum Corporation

Location: Eddy County, NM
Field: (Haracz) Sec 24, T24S, R31E
Facility: Haracz Armo Federal No. 1H

Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H PWB



INTEQ

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (7100ft)	VS (ft)
Tie On	11643.00	89.200	359.700	8293.63	3498.88	-38.10	1.86	3499.05
Target Line	11676.91	89.074	0.366	8294.14	3532.78	-38.08	2.00	3532.96
No. 1H PBHL	12781.49	89.074	0.366	8312.00	4637.19	-31.02	0.00	4637.30

Plot reference wellpath is Prelim. 1

True vertical depths are referenced to Rig on No. 1H SHL (KB)

Measured depths are referenced to Rig on No. 1H SHL (KB)

Rig on No. 1H SHL (KB) to Mean Sea Level: 3566.5 feet

Mean Sea Level to Mud line (Facility: Haracz Armo Federal No. 1H): -3545 feet

Coordinates are in feet referenced to Slot

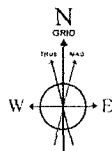
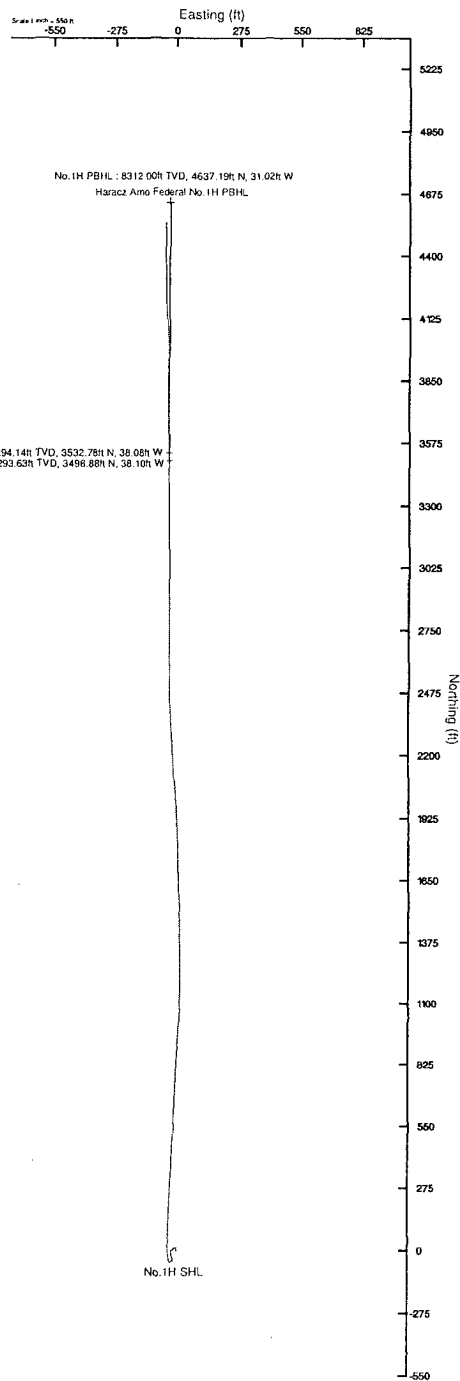
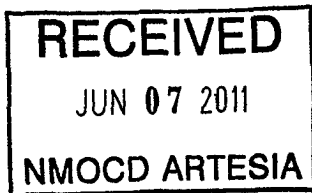
Grid System: NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet

North Reference: Grid north

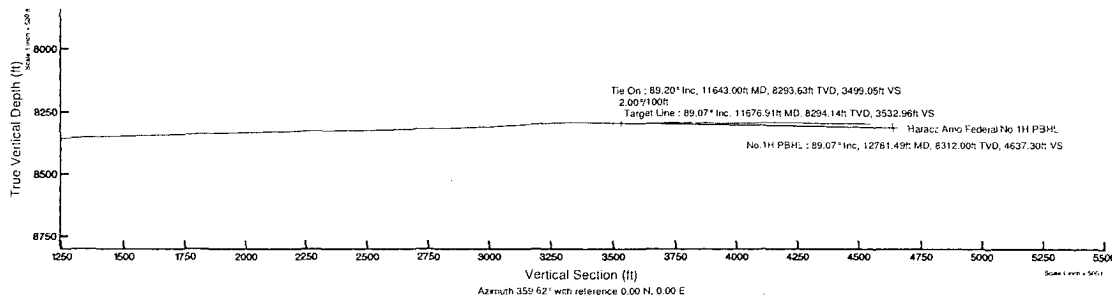
Scale: True distance

Depths are in feet

Created by: gentlery on 3/3/2011



BGGM (1945.0 to 2012.0) Dip: 60.14° Field: 48642.2 nT
Magnetic North is 7.74 degrees East of True North (at 3/3/2011)
Grid North is 0.32 degrees East of True North
To correct azimuth from True to Grid subtract 0.32 degrees
To correct azimuth from Magnetic to Grid add 7.43 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.43 = 97.43





Actual Wellpath Report

No.1H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Haracz) Sec 24, T24S, R31E	Wellbore	No.1H AWB
Facility	Haracz Amo Federal No.1H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Gentbry
Scale	0.999948	Report Generated	3/9/2011 at 7:36:06 AM
Convergence at slot	0.32° East	Database/Source file	WA Midland/No.1H_AWB.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	725516.46	435675.90	32°11'46.855"N	103°44'16.501"W
Facility Reference Pt			725516.46	435675.90	32°11'46.855"N	103°44'16.501"W
Field Reference Pt			725516.46	435675.90	32°11'46.855"N	103°44'16.501"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.1H SHL (KB) to Facility Vertical Datum	21.50ft
Horizontal Reference Pt	Slot	Rig on No.1H SHL (KB) to Mean Sea Level	3566.50ft
Vertical Reference Pt	Rig on No.1H SHL (KB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No.1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.32°



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REFERENCE WELLPATH IDENTIFICATION			
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Field	(Haracz) Sec 24, T24S, R31E	Wellbore	No.1H AWB
Facility	Haracz Amo Federal No.1H		

WELLPATH DATA (149 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
520.00	0.500	303.920	520.00	1.73	1.72	-0.82	725515.64	435677.62	32°11'46.872"N	103°44'16.511"W	0.00	
784.00	0.400	310.00	783.99	3.30	3.28	-1.73	725514.73	435679.18	32°11'46.887"N	103°44'16.521"W	0.17	
846.00	0.440	138.700	845.99	3.34	3.32	-1.56	725514.90	435679.22	32°11'46.888"N	103°44'16.519"W	1.25	
973.00	0.300	114.030	972.99	2.83	2.82	-0.93	725515.53	435678.72	32°11'46.883"N	103°44'16.512"W	0.16	
1099.00	0.100	339.300	1098.99	2.79	2.79	-0.67	725515.79	435678.69	32°11'46.882"N	103°44'16.509"W	0.30	
1227.00	0.100	301.400	1226.99	2.96	2.95	-0.80	725515.66	435678.85	32°11'46.884"N	103°44'16.511"W	0.05	
1353.00	0.300	350.500	1352.99	3.34	3.33	-0.95	725515.51	435679.23	32°11'46.888"N	103°44'16.512"W	0.20	
1480.00	0.050	2.000	1479.99	3.73	3.72	-1.01	725515.45	435679.62	32°11'46.892"N	103°44'16.513"W	0.20	
1607.00	0.500	6.600	1606.99	4.33	4.32	-0.94	725515.52	435680.22	32°11'46.898"N	103°44'16.512"W	0.35	
1702.00	0.400	18.800	1701.98	5.06	5.05	-0.79	725515.67	435680.95	32°11'46.905"N	103°44'16.510"W	0.15	
1829.00	0.400	13.600	1828.98	5.90	5.90	-0.54	725515.92	435681.80	32°11'46.913"N	103°44'16.507"W	0.03	
1956.00	0.500	358.400	1955.98	6.89	6.88	-0.45	725516.01	435682.78	32°11'46.923"N	103°44'16.506"W	0.12	
2082.00	0.500	6.400	2081.97	7.98	7.98	-0.40	725516.06	435683.88	32°11'46.934"N	103°44'16.506"W	0.06	
2209.00	0.600	349.250	2208.97	9.19	9.18	-0.47	725515.99	435685.08	32°11'46.946"N	103°44'16.506"W	0.15	
2336.00	0.600	324.500	2335.96	10.39	10.38	-0.98	725515.48	435686.28	32°11'46.958"N	103°44'16.512"W	0.20	
2463.00	0.900	318.200	2462.95	11.69	11.66	-2.03	725514.43	435687.56	32°11'46.970"N	103°44'16.524"W	0.24	
2590.00	0.700	289.100	2589.94	12.70	12.66	-3.42	725513.04	435688.56	32°11'46.980"N	103°44'16.541"W	0.35	
2717.00	0.800	254.800	2716.93	12.74	12.68	-5.01	725511.45	435688.58	32°11'46.981"N	103°44'16.559"W	0.36	
2844.00	1.100	231.200	2843.91	11.76	11.68	-6.82	725509.64	435687.58	32°11'46.971"N	103°44'16.580"W	0.38	
2970.00	1.300	211.740	2969.88	9.81	9.71	-8.51	725507.95	435685.61	32°11'46.951"N	103°44'16.600"W	0.36	
3097.00	1.500	220.350	3096.84	7.34	7.22	-10.35	725506.11	435683.12	32°11'46.927"N	103°44'16.621"W	0.23	
3224.00	2.000	245.200	3223.79	5.18	5.02	-13.44	725503.03	435680.92	32°11'46.905"N	103°44'16.658"W	0.71	
3353.00	1.100	231.510	3352.74	3.50	3.31	-16.45	725500.01	435679.21	32°11'46.889"N	103°44'16.693"W	0.75	
3480.00	1.100	233.200	3479.71	2.04	1.82	-18.38	725498.08	435677.72	32°11'46.874"N	103°44'16.715"W	0.03	
3607.00	1.100	242.800	3606.69	0.77	0.53	-20.44	725496.02	435676.43	32°11'46.861"N	103°44'16.739"W	0.14	
3734.00	1.400	236.500	3733.66	-0.61	-0.88	-22.82	725493.64	435675.02	32°11'46.847"N	103°44'16.767"W	0.26	
3862.00	1.100	209.700	3861.63	-2.52	-2.81	-24.73	725491.73	435673.09	32°11'46.828"N	103°44'16.789"W	0.51	
3988.00	1.100	183.800	3987.61	-4.77	-5.07	-25.41	725491.05	435670.83	32°11'46.806"N	103°44'16.798"W	0.39	
4115.00	1.700	173.200	4114.57	-7.86	-8.16	-25.27	725491.19	435667.74	32°11'46.776"N	103°44'16.796"W	0.51	
4242.00	1.500	171.800	4241.52	-11.38	-11.67	-24.80	725491.66	435664.23	32°11'46.741"N	103°44'16.791"W	0.16	
4306.00	1.700	168.800	4305.50	-13.14	-13.43	-24.50	725491.96	435662.47	32°11'46.723"N	103°44'16.787"W	0.34	
4422.00	1.000	172.900	4421.46	-15.84	-16.12	-24.04	725492.42	435659.78	32°11'46.697"N	103°44'16.782"W	0.61	
4492.00	0.900	160.000	4491.45	-16.96	-17.25	-23.78	725492.69	435658.65	32°11'46.686"N	103°44'16.779"W	0.34	
4619.00	1.000	158.000	4618.44	-18.94	-19.21	-23.02	725493.44	435656.69	32°11'46.666"N	103°44'16.771"W	0.08	
4746.00	1.100	158.900	4745.41	-21.11	-21.38	-22.17	725494.30	435654.52	32°11'46.645"N	103°44'16.761"W	0.08	
4873.00	0.900	158.900	4872.39	-23.19	-23.44	-21.37	725495.09	435652.46	32°11'46.624"N	103°44'16.752"W	0.16	
4999.00	1.100	164.900	4998.38	-25.29	-25.54	-20.70	725495.77	435650.37	32°11'46.603"N	103°44'16.744"W	0.18	
5126.00	1.000	156.600	5125.35	-27.49	-27.73	-19.94	725496.52	435648.17	32°11'46.582"N	103°44'16.735"W	0.14	
5253.00	0.700	151.700	5252.34	-29.20	-29.43	-19.13	725497.33	435646.47	32°11'46.565"N	103°44'16.726"W	0.24	
5380.00	0.900	153.700	5379.33	-30.79	-31.01	-18.32	725498.14	435644.89	32°11'46.549"N	103°44'16.717"W	0.16	
5507.00	0.800	162.400	5506.31	-32.53	-32.75	-17.61	725498.85	435643.16	32°11'46.532"N	103°44'16.709"W	0.13	
5633.00	0.600	148.500	5632.30	-33.94	-34.15	-17.00	725499.46	435641.75	32°11'46.518"N	103°44'16.702"W	0.21	
5769.00	0.500	153.300	5768.30	-35.09	-35.28	-16.36	725500.10	435640.62	32°11'46.507"N	103°44'16.694"W	0.08	
5896.00	0.500	175.500	5895.29	-36.14	-36.33	-16.07	725500.39	435639.57	32°11'46.496"N	103°44'16.691"W	0.15	
6022.00	0.400	197.100	6021.29	-37.11	-37.30	-16.16	725500.31	435638.60	32°11'46.487"N	103°44'16.692"W	0.15	



Actual Wellpath Report

No.1H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Haracz) Sec 24, T24S, R31E	Wellbore	No.1H AWB
Facility	Haracz Amo Federal No.1H		

WELLPATH DATA (149 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
6148.00	0.300	179.900	6147.29	-37.85	-38.05	-16.28	725500.18	435637.85	32°11'46.479"N	103°44'16.693"W	0.11	
6275.00	0.400	138.600	6274.29	-38.52	-38.72	-15.99	725500.47	435637.19	32°11'46.473"N	103°44'16.690"W	0.21	
6401.00	0.500	161.600	6400.28	-39.38	-39.57	-15.53	725500.94	435636.33	32°11'46.464"N	103°44'16.685"W	0.16	
6527.00	0.500	182.600	6526.28	-40.45	-40.64	-15.38	725501.08	435635.26	32°11'46.454"N	103°44'16.683"W	0.14	
6653.00	0.600	172.900	6652.27	-41.66	-41.84	-15.32	725501.14	435634.06	32°11'46.442"N	103°44'16.682"W	0.11	
6780.00	0.700	217.700	6779.26	-42.93	-43.12	-15.71	725500.75	435632.79	32°11'46.429"N	103°44'16.687"W	0.40	
6906.00	0.600	239.600	6905.26	-43.86	-44.06	-16.75	725499.71	435631.84	32°11'46.420"N	103°44'16.699"W	0.21	
7075.00	1.200	245.800	7074.23	-45.00	-45.23	-19.13	725497.33	435630.67	32°11'46.408"N	103°44'16.727"W	0.36	
7263.00	1.100	229.100	7262.20	-46.95	-47.22	-22.29	725494.17	435628.68	32°11'46.389"N	103°44'16.764"W	0.19	
7295.00	1.600	239.400	7294.19	-47.37	-47.65	-22.91	725493.56	435628.25	32°11'46.385"N	103°44'16.771"W	1.73	
7325.00	1.300	242.500	7324.18	-47.74	-48.02	-23.57	725492.89	435627.88	32°11'46.381"N	103°44'16.779"W	1.03	
7356.00	1.300	239.200	7355.17	-48.07	-48.36	-24.18	725492.28	435627.54	32°11'46.378"N	103°44'16.786"W	0.24	
7387.00	1.600	236.000	7386.16	-48.48	-48.78	-24.84	725491.62	435627.12	32°11'46.374"N	103°44'16.794"W	1.00	
7450.00	1.800	243.600	7449.13	-49.40	-49.72	-26.46	725490.00	435626.19	32°11'46.364"N	103°44'16.813"W	0.48	
7576.00	1.000	297.000	7575.10	-49.75	-50.10	-29.21	725487.25	435625.81	32°11'46.361"N	103°44'16.845"W	1.15	
7608.00	1.000	306.700	7607.09	-49.45	-49.80	-29.68	725486.78	435626.10	32°11'46.364"N	103°44'16.850"W	0.53	
7703.00	1.000	300.800	7702.08	-48.51	-48.88	-31.06	725485.40	435627.02	32°11'46.373"N	103°44'16.866"W	0.11	
7748.00	1.300	292.000	7747.07	-48.11	-48.49	-31.87	725484.59	435627.41	32°11'46.377"N	103°44'16.875"W	0.77	
7815.00	1.600	309.900	7814.05	-47.21	-47.61	-33.29	725483.17	435628.30	32°11'46.386"N	103°44'16.892"W	0.81	
7846.00	4.700	341.200	7845.00	-45.72	-46.13	-34.03	725482.43	435629.78	32°11'46.400"N	103°44'16.901"W	11.08	
7878.00	9.580	349.900	7876.74	-41.84	-42.26	-34.92	725481.54	435633.64	32°11'46.439"N	103°44'16.911"W	15.58	
7909.00	14.800	352.100	7907.03	-35.36	-35.79	-35.92	725480.54	435640.11	32°11'46.503"N	103°44'16.922"W	16.90	
7943.00	18.900	351.800	7939.57	-25.59	-26.04	-37.30	725479.16	435649.86	32°11'46.599"N	103°44'16.937"W	12.06	
7974.00	22.100	351.100	7968.60	-14.84	-15.31	-38.92	725477.54	435660.60	32°11'46.706"N	103°44'16.955"W	10.35	
8006.00	26.200	354.300	7997.79	-1.84	-2.32	-40.56	725475.90	435673.58	32°11'46.834"N	103°44'16.974"W	13.45	
8038.00	31.300	357.800	8025.84	13.52	13.02	-41.58	725474.88	435688.92	32°11'46.986"N	103°44'16.985"W	16.78	
8069.00	35.300	1.100	8051.75	30.53	30.03	-41.72	725474.75	435705.93	32°11'47.154"N	103°44'16.985"W	14.16	
8100.00	38.700	2.600	8076.50	49.16	48.68	-41.10	725475.36	435724.57	32°11'47.339"N	103°44'16.977"W	11.35	
8132.00	41.900	2.700	8100.91	69.82	69.35	-40.15	725476.32	435745.24	32°11'47.543"N	103°44'16.964"W	10.00	
8163.00	44.100	2.600	8123.58	90.93	90.47	-39.17	725477.29	435766.36	32°11'47.752"N	103°44'16.951"W	7.10	
8195.00	46.500	2.100	8146.08	113.64	113.19	-38.24	725478.22	435789.09	32°11'47.977"N	103°44'16.939"W	7.58	
8227.00	50.600	1.900	8167.26	137.59	137.16	-37.40	725479.06	435813.05	32°11'48.214"N	103°44'16.928"W	12.82	
8258.00	53.600	2.600	8186.30	162.02	161.60	-36.44	725480.02	435837.49	32°11'48.456"N	103°44'16.915"W	9.84	
8290.00	54.300	2.300	8205.13	187.85	187.44	-35.33	725481.13	435863.33	32°11'48.712"N	103°44'16.901"W	2.32	
8322.00	56.000	2.000	8223.42	214.08	213.69	-34.35	725482.11	435889.57	32°11'48.971"N	103°44'16.887"W	5.37	
8353.00	58.000	2.500	8240.30	240.04	239.66	-33.33	725483.13	435915.55	32°11'49.228"N	103°44'16.874"W	6.59	
8377.00	60.000	3.400	8252.66	260.57	260.21	-32.27	725484.19	435936.09	32°11'49.431"N	103°44'16.860"W	8.93	
8409.00	61.000	3.800	8268.42	288.35	288.00	-30.52	725485.94	435963.89	32°11'49.706"N	103°44'16.838"W	3.31	
8440.00	61.100	4.600	8283.43	315.37	315.06	-28.53	725487.93	435990.94	32°11'49.974"N	103°44'16.813"W	2.28	
8471.00	61.800	4.000	8298.24	342.50	342.21	-26.49	725489.97	436018.09	32°11'50.243"N	103°44'16.788"W	2.83	
8503.00	64.200	2.600	8312.77	370.94	370.67	-24.85	725491.61	436046.55	32°11'50.524"N	103°44'16.767"W	8.45	
8534.00	66.400	2.300	8325.72	399.06	398.81	-23.65	725492.81	436074.69	32°11'50.802"N	103°44'16.751"W	7.15	
8566.00	69.800	2.800	8337.66	428.70	428.46	-22.33	725494.13	436104.34	32°11'51.096"N	103°44'16.734"W	10.72	
8598.00	73.800	3.000	8347.65	459.03	458.82	-20.79	725495.67	436134.69	32°11'51.396"N	103°44'16.714"W	12.51	
8629.00	77.600	2.900	8355.30	489.01	488.81	-19.24	725497.22	436164.69	32°11'51.693"N	103°44'16.694"W	12.26	



Actual Wellpath Report

No.1H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Haracz) Sec 24, T24S, R31E	Wellbore	No.1H AWB
Facility	Haracz Amo Federal No.1H		

WELLPATH DATA (149 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8661.00	81.700	3.300	8361.05	520.41	520.24	-17.54	725498.92	436196.11	32°11'52.004"N	103°44'16.672"W	12.87	
8692.00	86.800	3.000	8364.16	551.18	551.03	-15.85	725500.61	436226.90	32°11'52.308"N	103°44'16.650"W	16.48	
8723.00	89.800	2.600	8365.08	582.10	581.97	-14.33	725502.13	436257.84	32°11'52.614"N	103°44'16.631"W	9.76	
8754.00	89.800	2.400	8365.19	613.05	612.94	-12.98	725503.48	436288.81	32°11'52.921"N	103°44'16.613"W	0.65	
8787.00	89.700	1.900	8365.33	646.01	645.92	-11.74	725504.72	436321.78	32°11'53.247"N	103°44'16.597"W	1.55	
8818.00	90.100	3.300	8365.38	676.96	676.89	-10.34	725506.12	436352.75	32°11'53.553"N	103°44'16.578"W	4.70	
8849.00	90.200	3.300	8365.30	707.89	707.83	-8.55	725507.91	436383.70	32°11'53.859"N	103°44'16.555"W	0.32	
8881.00	90.800	1.900	8365.02	739.83	739.80	-7.10	725509.36	436415.66	32°11'54.176"N	103°44'16.536"W	4.76	
8912.00	91.000	2.800	8364.54	770.78	770.77	-5.83	725510.63	436446.63	32°11'54.482"N	103°44'16.520"W	2.97	
8944.00	91.100	3.400	8363.95	802.71	802.72	-4.10	725512.36	436478.57	32°11'54.798"N	103°44'16.497"W	1.90	
8976.00	91.300	2.100	8363.28	834.64	834.67	-2.57	725513.89	436510.53	32°11'55.114"N	103°44'16.478"W	4.11	
9007.00	91.100	3.400	8362.63	865.58	865.63	-1.08	725515.38	436541.48	32°11'55.420"N	103°44'16.458"W	4.24	
9039.00	91.300	2.900	8361.96	897.50	897.57	0.68	725517.14	436573.42	32°11'55.736"N	103°44'16.436"W	1.68	
9070.00	91.700	2.900	8361.15	928.43	928.52	2.25	725518.71	436604.37	32°11'56.043"N	103°44'16.416"W	1.29	
9133.00	92.500	2.800	8358.84	991.27	991.40	5.38	725521.84	436667.25	32°11'56.665"N	103°44'16.375"W	1.28	
9196.00	90.800	2.200	8357.03	1054.14	1054.31	8.12	725524.58	436730.16	32°11'57.287"N	103°44'16.339"W	2.86	
9259.00	90.500	2.300	8356.31	1117.06	1117.26	10.60	725527.06	436793.10	32°11'57.910"N	103°44'16.306"W	0.50	
9322.00	90.900	0.300	8355.54	1180.01	1180.24	12.03	725528.49	436856.07	32°11'58.533"N	103°44'16.285"W	3.24	
9386.00	91.700	359.800	8354.09	1243.99	1244.22	12.08	725528.54	436920.05	32°11'59.166"N	103°44'16.281"W	1.47	
9417.00	92.000	359.100	8353.09	1274.97	1275.20	11.79	725528.24	436951.03	32°11'59.472"N	103°44'16.282"W	2.46	
9481.00	92.400	359.400	8350.63	1338.92	1339.15	10.95	725527.41	437014.98	32°12'00.105"N	103°44'16.288"W	0.78	
9537.00	92.500	359.200	8348.24	1394.87	1395.09	10.26	725526.72	437070.92	32°12'00.659"N	103°44'16.292"W	0.40	
9597.00	91.600	359.100	8346.09	1454.83	1455.05	9.37	725525.83	437130.87	32°12'01.252"N	103°44'16.299"W	1.51	
9661.00	91.600	359.000	8344.30	1518.81	1519.01	8.31	725524.77	437194.83	32°12'01.885"N	103°44'16.307"W	0.16	
9724.00	91.800	359.500	8342.44	1581.78	1581.98	7.49	725523.95	437257.80	32°12'02.508"N	103°44'16.312"W	0.85	
9787.00	91.600	358.400	8340.57	1644.75	1644.94	6.34	725522.80	437320.75	32°12'03.131"N	103°44'16.322"W	1.77	
9821.00	91.400	358.500	8339.68	1678.73	1678.92	5.42	725521.88	437354.73	32°12'03.468"N	103°44'16.330"W	0.66	
9884.00	91.600	358.800	8338.03	1741.71	1741.88	3.93	725520.39	437417.68	32°12'04.091"N	103°44'16.343"W	0.57	
9947.00	92.000	359.000	8336.05	1804.68	1804.84	2.72	725519.18	437480.64	32°12'04.714"N	103°44'16.353"W	0.71	
10051.00	92.000	357.400	8332.42	1908.59	1908.72	0.54	725515.92	437584.51	32°12'05.742"N	103°44'16.385"W	1.54	
10146.00	91.500	356.900	8329.52	2003.48	2003.55	-5.26	725511.20	437679.35	32°12'06.680"N	103°44'16.434"W	0.74	
10240.00	91.500	356.100	8327.06	2097.33	2097.35	-11.00	725505.46	437773.13	32°12'07.609"N	103°44'16.494"W	0.85	
10334.00	90.800	356.900	8325.17	2191.20	2191.15	-16.74	725499.73	437866.93	32°12'08.537"N	103°44'16.555"W	1.13	
10429.00	90.900	356.500	8323.76	2286.09	2285.98	-22.20	725494.26	437961.76	32°12'09.476"N	103°44'16.613"W	0.43	
10524.00	90.400	356.500	8322.68	2380.96	2380.80	-28.00	725488.46	438056.57	32°12'10.415"N	103°44'16.674"W	0.53	
10618.00	90.100	357.500	8322.27	2474.88	2474.67	-32.92	725483.54	438150.43	32°12'11.344"N	103°44'16.725"W	1.11	
10712.00	91.400	0.800	8321.04	2568.86	2568.63	-34.32	725482.14	438244.40	32°12'12.273"N	103°44'16.735"W	3.77	
10806.00	91.700	0.400	8318.50	2662.80	2662.59	-33.33	725483.13	438338.35	32°12'13.203"N	103°44'16.718"W	0.53	
10901.00	91.200	0.200	8316.10	2757.76	2757.56	-32.84	725483.63	438433.31	32°12'14.143"N	103°44'16.706"W	0.57	
10996.00	91.900	359.700	8313.53	2852.72	2852.53	-32.92	725483.54	438528.27	32°12'15.083"N	103°44'16.701"W	0.91	
11084.00	91.800	359.000	8310.69	2940.67	2940.48	-33.92	725482.55	438616.22	32°12'15.953"N	103°44'16.707"W	0.80	
11179.00	92.800	0.700	8306.87	3035.59	3035.39	-34.17	725482.30	438711.13	32°12'16.892"N	103°44'16.703"W	2.07	
11275.00	93.700	359.600	8301.43	3131.42	3131.24	-33.91	725482.55	438806.97	32°12'17.840"N	103°44'16.694"W	1.48	
11359.00	94.000	0.200	8295.79	3215.22	3215.05	-34.06	725482.40	438890.77	32°12'18.670"N	103°44'16.691"W	0.80	
11454.00	91.000	359.600	8291.65	3310.12	3309.94	-34.23	725482.24	438985.67	32°12'19.609"N	103°44'16.686"W	3.22	



Actual Wellpath Report

No.1H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Haracz) Sec 24, T24S, R31E	Wellbore	No.1H AWB
Facility	Haracz Amo Federal No.1H		

WELLPATH DATA (149 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11548.00	88.700	358.000	8291.89	3404.10	3403.91	-36.19	725480.27	439079.63	32°12'20.539"N	103°44'16.703"W	2.98	
11643.00	89.200	359.700	8293.63	3499.08	3498.88	-38.10	725478.36	439174.59	32°12'21.478"N	103°44'16.719"W	1.86	
11758.00	90.500	359.900	8293.93	3614.07	3613.87	-38.50	725477.96	439289.58	32°12'22.616"N	103°44'16.717"W	1.14	
11852.00	92.300	359.500	8291.64	3708.04	3707.84	-38.99	725477.47	439383.54	32°12'23.546"N	103°44'16.716"W	1.96	
11947.00	88.200	0.300	8291.22	3803.01	3802.82	-39.16	725477.30	439478.51	32°12'24.486"N	103°44'16.712"W	4.40	
12041.00	89.100	0.000	8293.44	3896.98	3896.79	-38.91	725477.55	439572.48	32°12'25.416"N	103°44'16.703"W	1.01	
12136.00	89.900	358.600	8294.27	3991.97	3991.77	-40.07	725476.39	439667.46	32°12'26.356"N	103°44'16.711"W	1.70	
12230.00	90.900	357.300	8293.61	4085.94	4085.71	-43.44	725473.03	439761.39	32°12'27.285"N	103°44'16.744"W	1.74	
12325.00	90.000	357.700	8292.86	4180.88	4180.61	-47.58	725468.88	439856.29	32°12'28.225"N	103°44'16.786"W	1.04	
12420.00	89.100	359.500	8293.61	4275.87	4275.58	-49.90	725466.56	439951.25	32°12'29.165"N	103°44'16.807"W	2.12	
12515.00	90.000	359.100	8294.36	4370.87	4370.57	-51.06	725465.40	440046.23	32°12'30.105"N	103°44'16.814"W	1.04	
12610.00	89.100	359.000	8295.10	4465.86	4465.55	-52.64	725463.83	440141.21	32°12'31.045"N	103°44'16.826"W	0.95	
12650.00	88.900	359.000	8295.80	4505.85	4505.54	-53.33	725463.13	440181.19	32°12'31.440"N	103°44'16.832"W	0.50	
12695.00	88.900	359.000	8296.67	4550.84	4550.52	-54.12	725462.34	440226.18	32°12'31.885"N	103°44'16.838"W	0.00	Projection to Bit

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
Haracz Amo Federal No.1H PBHL		8312.00	4637.19	-31.02	725485.44	440312.84	32°12'32.742"N	103°44'16.564"W	point

WELLPATH COMPOSITION					Ref Wellbore: No.1H AWB	Ref Wellpath: No.1H AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment	Wellbore
520.00	12695.00	ISCWSA MWD, Rev. 2 (Standard)			MWD/CUDD	No.1H AWB