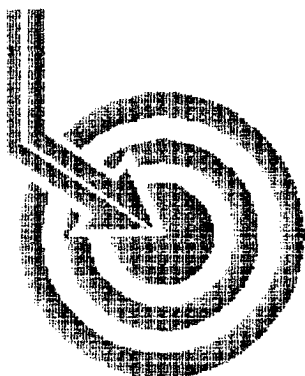




Scientific Drilling

E.O.G.

Field: Rhine
Site: Eddy County, NM
Well: Rhine 13 Fed #1H
Wellpath: VH- Job #32K0705559
Survey: 07/29/05

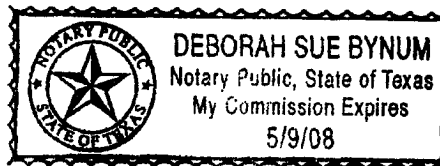
This survey is correct to the best of my knowledge
and is supported by actual field data.

Geoff Hovey Company Representative

Notorized this date 11th of August, 2005.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: E.O.G.	Date: 8/11/2005	Time: 11:32:44	Page: 1
Field: Rhine	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Rhine 13 Fed #1H	Section (VS) Reference:	Well (0.00N,0.00E,356.69Azi)	
Wellpath: VH- Job #32K0705559	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 07/29/05	Start Date: 7/29/2005
Company: KSRG 0'-4955'	
Tool: Scientific Drilling Internatio	Engineer: Gonzales/Page
Tool: Keeper;Keeper Surface Readout 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
0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.50	240.09	100.00	-0.20	-0.22	-0.38	0.50	0.44	240.09
200.00	0.44	270.88	200.00	-0.36	-0.43	-1.14	0.26	1.22	249.37
300.00	0.69	317.73	299.99	0.13	0.02	-1.93	0.50	1.93	270.66
400.00	0.90	339.53	399.98	1.35	1.20	-2.61	0.36	2.87	294.76
500.00	1.08	348.59	499.97	3.04	2.86	-3.07	0.24	4.20	313.00
600.00	1.99	346.78	599.93	5.68	5.48	-3.65	0.91	6.58	326.29
700.00	2.05	346.09	699.87	9.15	8.90	-4.48	0.06	9.97	333.29
800.00	2.08	350.24	799.80	12.71	12.43	-5.22	0.15	13.48	337.22
900.00	2.26	347.86	899.73	16.46	16.14	-5.94	0.20	17.20	339.80
1000.00	2.26	349.46	999.65	20.37	20.01	-6.72	0.06	21.11	341.45
1100.00	2.25	348.60	1099.58	24.26	23.87	-7.46	0.04	25.01	342.64
1200.00	2.23	345.96	1199.50	28.12	27.68	-8.32	0.11	28.91	343.26
1300.00	2.10	346.04	1299.43	31.83	31.35	-9.24	0.13	32.68	343.58
1400.00	2.15	346.05	1399.36	35.48	34.95	-10.13	0.05	36.39	343.83
1500.00	2.12	345.08	1499.29	39.13	38.56	-11.06	0.05	40.11	343.99
1600.00	1.95	348.56	1599.23	42.63	42.01	-11.87	0.21	43.66	344.22
1700.00	1.94	348.38	1699.17	45.99	45.34	-12.55	0.01	47.04	344.52
1800.00	2.02	347.25	1799.11	49.40	48.71	-13.28	0.09	50.49	344.75
1900.00	2.12	350.39	1899.04	52.98	52.26	-13.98	0.15	54.09	345.02
2000.00	1.99	349.14	1998.98	56.54	55.79	-14.62	0.14	57.67	345.32
2100.00	1.86	352.20	2098.92	59.88	59.10	-15.16	0.17	61.01	345.61
2200.00	1.69	350.19	2198.88	62.96	62.16	-15.64	0.18	64.10	345.88
2300.00	1.52	353.45	2298.84	65.75	64.93	-16.04	0.19	66.88	346.13
2400.00	1.51	354.07	2398.80	68.39	67.56	-16.33	0.02	69.50	346.41
2500.00	1.38	357.07	2498.77	70.91	70.07	-16.52	0.15	71.99	346.73
2600.00	1.34	359.85	2598.74	73.28	72.44	-16.59	0.08	74.32	347.10
2700.00	1.26	353.71	2698.72	75.55	74.71	-16.71	0.16	76.55	347.39
2800.00	1.18	352.58	2798.69	77.67	76.82	-16.96	0.08	78.67	347.55
2900.00	1.04	349.15	2898.67	79.60	78.73	-17.27	0.15	80.60	347.63
3000.00	0.88	350.43	2998.66	81.26	80.38	-17.57	0.16	82.28	347.67
3100.00	0.73	346.42	3098.65	82.65	81.76	-17.84	0.16	83.68	347.69
3200.00	0.75	343.26	3198.64	83.91	83.00	-18.18	0.05	84.97	347.64
3300.00	0.78	347.89	3298.63	85.22	84.29	-18.51	0.07	86.30	347.61
3400.00	0.62	344.07	3398.63	86.42	85.48	-18.80	0.17	87.52	347.59
3500.00	0.58	344.65	3498.62	87.45	86.49	-19.09	0.04	88.57	347.55
3600.00	0.67	341.38	3598.61	88.51	87.53	-19.41	0.10	89.66	347.50
3700.00	0.61	348.61	3698.61	89.60	88.61	-19.70	0.10	90.77	347.47
3800.00	0.53	348.86	3798.60	90.58	89.58	-19.89	0.08	91.76	347.48
3900.00	0.68	8.72	3898.60	91.62	90.62	-19.89	0.26	92.78	347.62
4000.00	0.64	12.98	3998.59	92.74	91.75	-19.68	0.06	93.84	347.90
4100.00	0.72	18.48	4098.58	93.86	92.89	-19.35	0.10	94.89	348.23
4200.00	0.82	32.01	4198.57	95.02	94.10	-18.78	0.21	95.95	348.72
4300.00	0.97	44.91	4298.56	96.17	95.30	-17.80	0.25	96.95	349.42
4400.00	1.05	51.06	4398.55	97.27	96.48	-16.49	0.13	97.88	350.30
4500.00	1.25	52.27	4498.53	98.42	97.72	-14.91	0.20	98.85	351.32
4600.00	1.32	57.44	4598.50	99.60	99.01	-13.08	0.14	99.87	352.47
4700.00	1.41	58.23	4698.47	100.75	100.28	-11.06	0.09	100.88	353.70
4800.00	1.33	57.24	4798.44	101.90	101.55	-9.04	0.08	101.95	354.91



Scientific Drilling International

Survey Report

Company:	E.O.G.	Date:	8/11/2005	Time:	11:32:44	Page:	2
Field:	Rhine	Co-ordinate(NE) Reference:	Site:	Eddy County, NM, Grid North			
Site:	Eddy County, NM	Vertical (TVD) Reference:	SITE	0.0			
Well:	Rhine 13 Fed #1H	Section (VS) Reference:	Well	(0.00N,0.00E,356.69Azi)			
Wellpath:	VH- Job #32K0705559	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

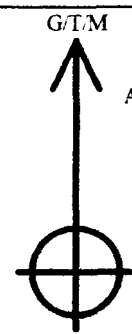
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.43	55.88	4898.42	103.11	102.88	-7.03	0.11	103.12	356.09
4955.00	1.18	55.62	4953.40	103.76	103.58	-6.00	0.45	103.76	356.69



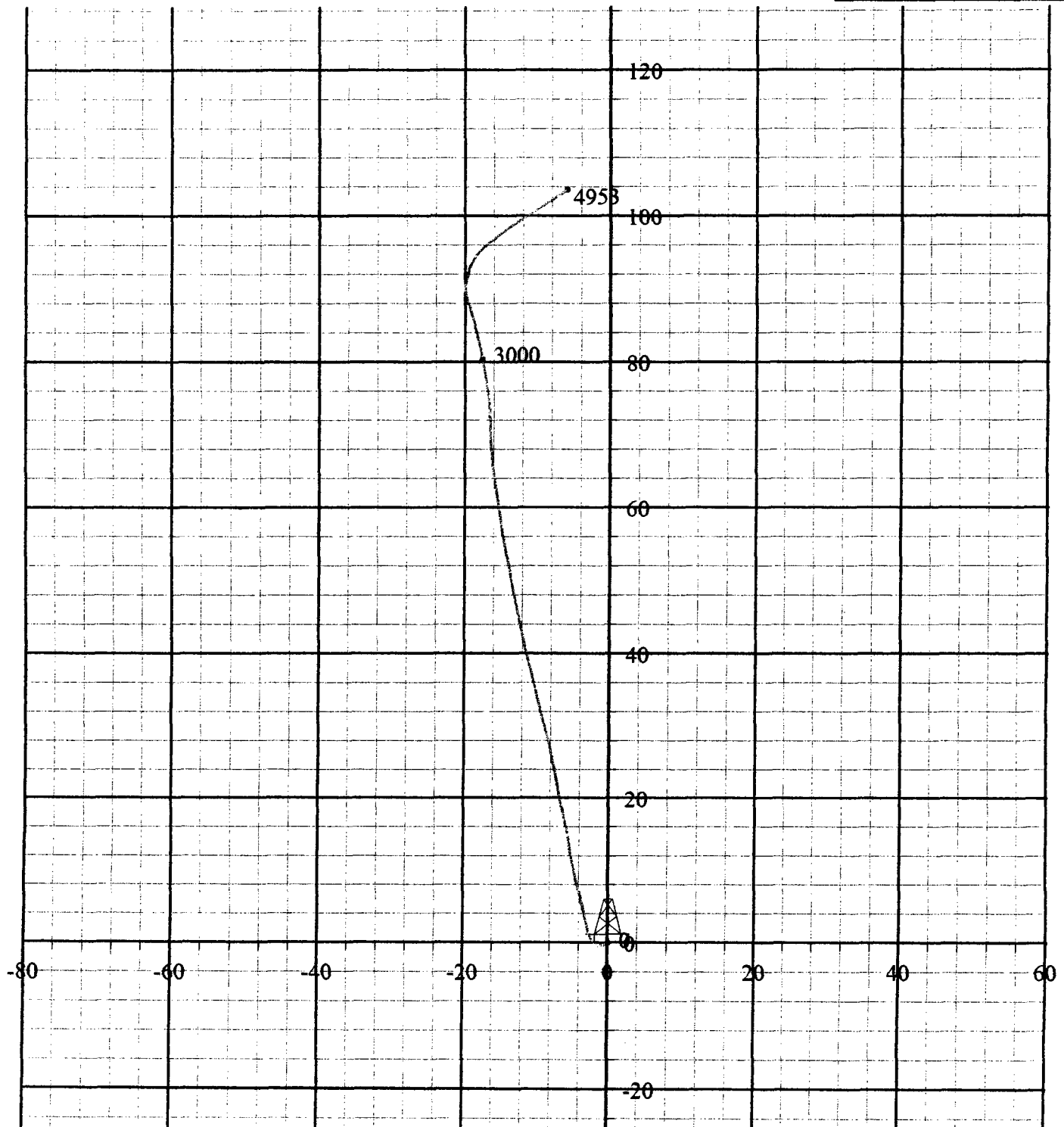
Scientific
Drilling

Field: Rhine
Site: Eddy County, NM
Well: Rhine 13 Fed #1H
Wellpath: VH- Job #32K0705559
Survey: 07/29/05



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 8/11/2005
Model: igrf2000



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

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