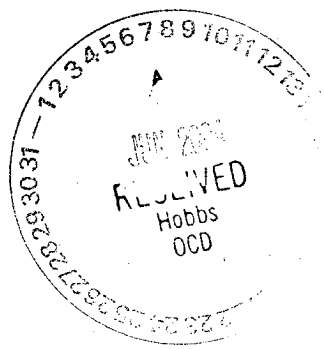
Scientific Drilling

SUR: G-12-25s-33e, 22133/N & 1920/E
BHL: L-12-25s-33e, 2859/N & 4899/E
API # 30-025-36584

E.O.G. (Enron Oil & Gas)

Field: Red Hills
Site: Lea County, NM
Well: Red Hills North Unit #213
Wellpath: VH - Job #32K0304214
Survey: 03/31/04



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

.....Company Representative

Notorized this date 16th of April, 2004.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

Scientific Drilling

Scientific Drilling
Survey Report

Company:	E.O.G. (Enron Oil & Gas)	**Date:** 4/16/2004	**Time:** 10:24:41	**Page:**	1
Field:	Red Hills	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Red Hills North Unit #213	**Section (VS) Reference:**	Well (0.00N,0.00E,257.71Azi)		
Wellpath:	VH + Job #32K0304214	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	03/31/04 KSRG 0'-11300'	**Start Date:**	3/31/2004
Company:	Scientific Drilling	**Engineer:**	Carter/P&M
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
0.0	0.00	359.57	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.25	168.12	100.0	0.0	-0.2	0.0	0.25	0.2	168.12
200.0	0.17	161.19	200.0	0.0	-0.6	0.1	0.08	0.6	166.36
300.0	0.32	168.14	300.0	0.0	-1.0	0.2	0.15	1.0	166.09
400.0	0.30	176.99	400.0	0.0	-1.5	0.3	0.05	1.5	168.30
500.0	0.23	237.10	500.0	0.2	-1.9	0.2	0.27	1.9	175.17
600.0	0.46	198.35	600.0	0.6	-2.4	-0.1	0.32	2.4	183.25
700.0	0.25	214.90	700.0	1.0	-2.9	-0.4	0.23	3.0	187.51
800.0	0.41	212.12	800.0	1.4	-3.4	-0.7	0.16	3.5	191.62
900.0	0.52	224.10	900.0	2.0	-4.0	-1.2	0.15	4.2	196.61
1000.0	0.40	214.64	1000.0	2.7	-4.7	-1.7	0.14	5.0	200.28
1100.0	0.37	187.31	1100.0	3.0	-5.3	-2.0	0.18	5.6	200.42
1200.0	0.51	201.85	1200.0	3.4	-6.0	-2.2	0.18	6.4	199.87
1300.0	0.53	187.30	1300.0	3.8	-6.9	-2.4	0.13	7.3	199.20
1400.0	0.52	184.62	1400.0	4.1	-7.8	-2.5	0.03	8.2	197.73
1500.0	0.70	187.59	1500.0	4.4	-8.8	-2.6	0.18	9.2	196.42
1600.0	0.67	182.72	1600.0	4.8	-10.0	-2.7	0.06	10.4	195.14
1700.0	0.81	182.73	1699.9	5.1	-11.3	-2.8	0.14	11.6	193.78
1800.0	0.46	177.94	1799.9	5.4	-12.4	-2.8	0.35	12.7	192.68
1900.0	0.47	178.80	1899.9	5.5	-13.2	-2.8	0.01	13.5	191.83
2000.0	0.21	267.08	1999.9	5.8	-13.6	-2.9	0.51	14.0	192.16
2100.0	0.20	292.50	2099.9	6.1	-13.6	-3.3	0.09	14.0	193.58
2200.0	0.24	294.27	2199.9	6.4	-13.4	-3.6	0.04	13.9	195.14
2300.0	0.26	330.38	2299.9	6.6	-13.2	-3.9	0.16	13.7	196.66
2400.0	0.33	339.00	2399.9	6.8	-12.7	-4.2	0.08	13.4	198.12
2500.0	0.41	333.16	2499.9	6.9	-12.1	-4.4	0.09	12.9	200.05
2600.0	0.66	7.02	2599.9	6.8	-11.2	-4.5	0.40	12.1	201.90
2700.0	0.69	17.52	2699.9	6.3	-10.1	-4.3	0.13	10.9	202.92
2800.0	1.13	28.72	2799.9	5.4	-8.6	-3.6	0.47	9.3	202.66
2900.0	1.03	37.05	2899.9	4.0	-7.0	-2.6	0.18	7.5	200.16
3000.0	1.18	51.78	2999.9	2.4	-5.7	-1.2	0.32	5.8	192.27
3100.0	1.41	55.16	3099.8	0.4	-4.4	0.6	0.24	4.4	172.47
3200.0	1.62	62.78	3199.8	-2.1	-3.0	2.8	0.29	4.1	136.69
3300.0	2.08	72.93	3299.8	-5.3	-1.8	5.8	0.57	6.1	107.44
3400.0	2.96	77.96	3399.7	-9.7	-0.8	10.1	0.90	10.1	94.30
3500.0	3.13	76.98	3499.5	-15.0	0.4	15.3	0.17	15.3	88.52
3600.0	2.99	75.64	3599.4	-20.4	1.7	20.5	0.16	20.5	85.37
3700.0	2.61	72.21	3699.3	-25.2	3.0	25.2	0.41	25.3	83.20
3800.0	2.13	69.25	3799.2	-29.3	4.4	29.1	0.49	29.4	81.48
3900.0	1.87	63.01	3899.1	-32.8	5.8	32.3	0.34	32.8	79.89
4000.0	1.67	60.48	3999.1	-35.7	7.2	35.0	0.21	35.7	78.35
4100.0	1.25	50.05	4099.0	-38.1	8.6	37.1	0.50	38.1	76.90
4200.0	1.09	18.97	4199.0	-39.6	10.2	38.3	0.65	39.6	75.02
4300.0	1.15	1.60	4299.0	-40.3	12.1	38.6	0.34	40.5	72.54
4400.0	1.17	4.45	4399.0	-40.8	14.2	38.7	0.06	41.2	69.91
4500.0	1.34	36.19	4498.9	-42.0	16.1	39.5	0.70	42.6	67.79
4600.0	1.35	37.47	4598.9	-43.8	18.0	40.9	0.03	44.7	66.24
4700.0	1.46	55.30	4698.9	-45.8	19.7	42.6	0.45	46.9	65.25
4800.0	1.88	77.08	4798.9	-48.7	20.7	45.3	0.76	49.8	65.39

Scientific Drilling

Scientific Drilling
Survey Report

Company:	E.O.G. (Enron Oil & Gas)	**Date:**	4/16/2004	**Time:** 10:24:41	**Page:** 2
Field:	Red Hills	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Red Hills North Unit #213	**Section (VS) Reference:**	Well (0.00N,0.00E,257.71Azi)		
Wellpath:	VH - Job #32K0304214	**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
4900.0	2.25	94.31	4898.8	-52.2	21.0	48.8	0.72	53.1	66.77
5000.0	1.77	99.24	4998.7	-55.5	20.6	52.3	0.50	56.2	68.54
5100.0	1.47	97.38	5098.7	-58.1	20.2	55.1	0.31	58.7	69.92
5200.0	1.30	93.56	5198.7	-60.4	19.9	57.5	0.19	60.9	70.90
5300.0	1.21	90.51	5298.6	-62.6	19.8	59.7	0.11	62.9	71.62
5400.0	1.35	93.18	5398.6	-64.7	19.8	61.9	0.15	65.0	72.31
5500.0	1.38	93.20	5498.6	-67.0	19.6	64.3	0.03	67.3	73.03
5600.0	1.11	92.33	5598.6	-69.1	19.5	66.5	0.27	69.3	73.64
5700.0	1.02	93.64	5698.5	-70.9	19.4	68.4	0.09	71.1	74.14
5800.0	0.98	93.89	5798.5	-72.6	19.3	70.1	0.04	72.7	74.60
5900.0	1.10	93.53	5898.5	-74.3	19.2	71.9	0.12	74.4	75.06
6000.0	0.90	93.59	5998.5	-76.0	19.1	73.7	0.20	76.1	75.47
6100.0	0.99	97.69	6098.5	-77.6	18.9	75.3	0.11	77.6	75.89
6200.0	0.82	90.64	6198.5	-79.1	18.8	76.9	0.20	79.1	76.26
6300.0	0.98	93.89	6298.5	-80.6	18.7	78.4	0.17	80.6	76.57
6400.0	0.94	94.11	6398.4	-82.2	18.6	80.1	0.04	82.2	76.92
6500.0	1.12	85.60	6498.4	-84.0	18.6	81.9	0.24	84.0	77.18
6600.0	0.83	90.47	6598.4	-85.7	18.7	83.6	0.30	85.7	77.39
6700.0	0.96	90.46	6698.4	-87.2	18.7	85.2	0.13	87.2	77.62
6800.0	0.92	92.86	6798.4	-88.8	18.6	86.8	0.06	88.8	77.88
6900.0	0.69	105.27	6898.4	-90.1	18.4	88.2	0.29	90.1	78.19
7000.0	0.21	223.27	6998.4	-90.5	18.2	88.6	0.81	90.5	78.43
7100.0	1.60	252.47	7098.4	-88.9	17.6	87.2	1.43	88.9	78.59
7200.0	1.71	247.48	7198.3	-86.1	16.6	84.5	0.18	86.1	78.88
7300.0	1.73	249.84	7298.3	-83.1	15.5	81.7	0.07	83.1	79.25
7400.0	0.94	249.73	7398.2	-80.8	14.7	79.5	0.79	80.8	79.52
7500.0	0.27	280.59	7498.2	-79.8	14.5	78.5	0.72	79.8	79.56
7600.0	0.48	288.58	7598.2	-79.2	14.6	77.9	0.21	79.2	79.35
7700.0	0.33	309.12	7698.2	-78.6	15.0	77.2	0.20	78.7	79.04
7800.0	0.51	289.21	7798.2	-78.1	15.3	76.6	0.23	78.1	78.71
7900.0	0.42	296.93	7898.2	-77.4	15.6	75.8	0.11	77.4	78.38
8000.0	0.43	298.39	7998.2	-76.9	15.9	75.2	0.01	76.9	78.03
8100.0	0.36	328.26	8098.2	-76.5	16.4	74.7	0.21	76.5	77.62
8200.0	0.37	316.90	8198.2	-76.2	16.9	74.3	0.07	76.2	77.19
8300.0	0.32	335.27	8298.2	-76.0	17.4	74.0	0.12	76.0	76.77
8400.0	0.15	92.26	8398.2	-76.0	17.6	74.0	0.41	76.0	76.59
8500.0	0.47	112.67	8498.2	-76.5	17.5	74.5	0.34	76.5	76.80
8600.0	0.70	122.88	8598.2	-77.3	17.0	75.4	0.25	77.3	77.30
8700.0	0.94	131.19	8698.2	-78.2	16.1	76.5	0.27	78.2	78.10
8800.0	0.99	140.94	8798.2	-79.0	14.9	77.6	0.17	79.1	79.13
8900.0	1.15	137.11	8898.2	-79.9	13.5	78.9	0.17	80.0	80.29
9000.0	0.97	142.42	8998.1	-80.8	12.1	80.1	0.20	81.0	81.41
9100.0	0.93	124.58	9098.1	-81.7	11.0	81.3	0.30	82.0	82.32
9200.0	0.71	134.34	9198.1	-82.6	10.1	82.4	0.26	83.0	83.03
9300.0	0.66	85.29	9298.1	-83.5	9.7	83.4	0.57	84.0	83.38
9400.0	0.67	61.41	9398.1	-84.7	10.0	84.5	0.28	85.1	83.25
9500.0	0.48	68.17	9498.1	-85.6	10.4	85.4	0.20	86.0	83.03
9600.0	0.66	349.61	9598.1	-86.1	11.2	85.7	0.73	86.4	82.58
9700.0	1.51	355.15	9698.1	-86.3	13.0	85.5	0.86	86.4	81.33
9800.0	2.46	17.99	9798.0	-87.5	16.4	86.0	1.22	87.6	79.21
9900.0	2.89	26.15	9897.9	-90.2	20.6	87.9	0.64	90.3	76.77
10000.0	2.88	27.46	9997.8	-93.5	25.1	90.2	0.04	93.6	74.45

Scientific Drilling

Scientific Drilling
Survey Report

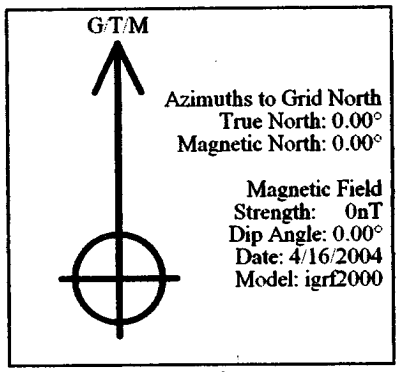
Company:	E.O.G. (Enron Oil & Gas)	**Date:** 4/16/2004	**Time:** 10:24:41	**Page:**	3
Field:	Red Hills	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Red Hills North Unit #213	**Section (VS) Reference:**	Well (0.00N,0.00E,257.71Azi)		
Wellpath:	VH- Job #32K0304214	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

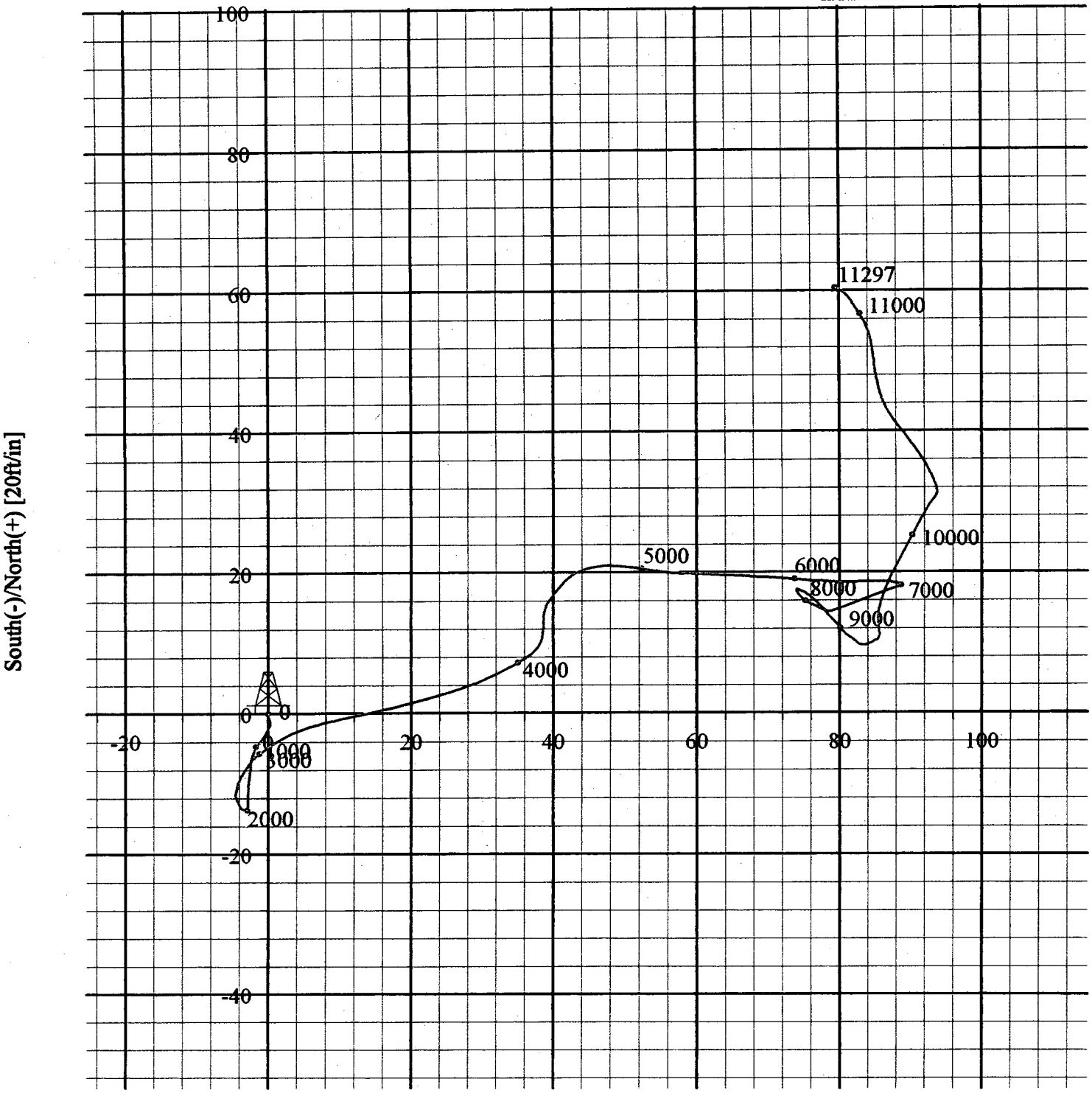
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10100.0	1.68	29.64	10097.7	-96.1	28.6	92.1	1.20	96.4	72.74
10200.0	0.74	43.23	10197.7	-97.6	30.4	93.3	0.98	98.1	71.97
10300.0	0.56	8.00	10297.7	-98.3	31.3	93.8	0.43	98.9	71.54
10400.0	1.91	336.72	10397.7	-98.1	33.3	93.2	1.46	99.0	70.32
10500.0	2.48	326.55	10497.6	-97.0	36.7	91.3	0.69	98.4	68.13
10600.0	3.32	321.24	10597.5	-95.0	40.7	88.3	0.88	97.3	65.25
10700.0	2.50	342.18	10697.3	-93.5	45.1	85.8	1.33	97.0	62.31
10800.0	3.57	353.97	10797.2	-93.6	50.2	84.9	1.24	98.6	59.38
10900.0	1.57	335.69	10897.1	-93.7	54.6	84.0	2.14	100.1	56.97
11000.0	1.13	328.43	10997.1	-93.0	56.7	82.9	0.47	100.4	55.64
11100.0	1.64	326.50	11097.0	-92.2	58.7	81.6	0.51	100.5	54.26
11200.0	0.97	291.08	11197.0	-91.0	60.2	80.0	1.02	100.1	53.03
11300.0	0.23	110.55	11297.0	-90.4	60.4	79.4	1.21	99.8	52.71
11300.5	0.24	110.55	11297.5	-90.4	60.4	79.4	1.22	99.8	52.72

Scientific Drilling

Field: Red Hills
Site: Lea County, NM
Well: Red Hills North Unit #213
Wellpath: VH - Job #32K0304214
Survey: 03/31/04





Survey Report

BAKER HUGHES

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR:	EOG Resources	START:	3/28/2004
WELL:	RHNU #213	FINISH:	
LOCATION:	Lea Co., N.M.	JOB #:	652658

PROPOSED DIRECTION:	257.71
Mag to Grid	8.02

12263

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
TIE-IN	11301	0.24	110.55	11297.48	60.44	79.39	-90.44	0.00
1	11351	0.18	188.70	11347.98	60.32	79.48	-90.50	0.53
2	11447	0.80	193.30	11443.98	59.52	79.30	-90.15	0.65
3	11544	1.50	216.80	11540.96	57.85	78.38	-88.90	0.86
4	11640	1.80	221.40	11636.92	55.71	76.63	-86.74	0.34
5	11734	1.40	213.30	11730.88	53.64	75.03	-84.73	0.49
6	11766	1.20	219.00	11762.87	53.06	74.60	-84.19	0.74
7	11799	2.10	233.40	11795.86	52.43	73.90	-83.36	2.98
8	11829	4.60	244.60	11825.80	51.58	72.37	-81.69	8.57
9	11862	8.30	248.50	11858.59	50.14	68.96	-78.05	11.28
10	11894	12.70	249.90	11890.05	48.09	63.50	-72.28	13.77
11	11926	17.10	250.90	11920.96	45.34	55.75	-64.12	13.77
12	11958	22.70	252.00	11951.04	41.89	45.42	-53.30	17.54
13	11990	28.00	253.10	11979.95	37.79	32.36	-39.66	16.63
14	12020	32.30	253.40	12005.88	33.45	17.93	-24.64	14.34
15	12055	34.90	253.80	12035.03	27.99	-0.65	-5.32	7.46
16	12087	37.50	254.10	12060.85	22.76	-18.81	13.54	8.14
17	12118	40.40	254.10	12084.96	17.42	-37.55	32.98	9.35
18	12151	44.60	254.80	12109.28	11.45	-59.03	55.24	12.81
19	12184	48.70	254.80	12131.93	5.16	-82.18	79.20	12.42
20	12214	51.60	254.80	12151.15	-0.87	-104.40	102.20	9.67
21	12248	54.70	254.80	12171.54	-8.01	-130.66	129.37	9.12
22	12280	57.90	254.50	12189.30	-15.05	-156.32	155.95	10.03
23	12310	62.40	254.10	12204.22	-22.09	-181.37	181.91	15.04
24	12344	68.00	253.80	12218.48	-30.63	-211.02	212.70	16.49
25	12376	73.60	254.10	12229.00	-38.98	-240.05	242.84	17.52
26	12406	77.40	254.10	12236.51	-46.93	-267.97	271.82	12.67
27	12439	81.30	254.80	12242.61	-55.62	-299.21	304.20	12.00
28	12470	85.00	255.90	12246.30	-63.41	-328.99	334.94	12.44
29	12487	86.70	255.90	12247.53	-67.54	-345.43	351.89	10.00
30	12530	90.80	257.90	12248.47	-77.28	-387.29	394.86	10.61
31	12564	91.30	260.10	12247.85	-83.76	-420.66	428.85	6.63
32	12628	91.80	255.50	12246.12	-97.28	-483.17	492.81	7.23
33	12662	91.50	254.80	12245.14	-105.99	-516.02	526.76	2.24
34	12725	91.80	254.10	12243.32	-122.87	-576.69	589.63	1.21
Proj	12814	89.50	256.00	12242.31	-145.83	-662.66	678.52	3.35

Survey Report

BAKER HUGHES INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #213
LOCATION: Lea Co., N.M.

START: 3/28/2004
FINISH:
JOB #: 652658

PROPOSED DIRECTION: 257.71
Mag to Grid 8.02

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
36	12792	90.70	254.50	12242.29	-140.72	-641.26	656.52	1.13
37	12823	89.30	254.50	12242.29	-149.01	-671.13	687.47	4.52
38	12857	89.30	254.50	12242.70	-158.09	-703.89	721.41	0.00
39	12890	87.70	255.50	12243.56	-166.63	-735.75	754.36	5.72
40	12921	87.80	254.80	12244.78	-174.57	-765.70	785.31	2.28
41	12955	88.30	255.20	12245.94	-183.36	-798.52	819.25	1.88
42	12986	88.40	255.90	12246.83	-191.09	-828.53	850.21	2.28
43	13018	88.20	255.90	12247.78	-198.89	-859.55	882.18	0.63
44	13051	88.20	256.20	12248.82	-206.84	-891.56	915.15	0.91
45	13115	87.70	256.90	12251.11	-221.72	-953.76	979.10	1.34
46	13149	87.50	257.60	12252.53	-229.21	-986.89	1013.07	2.14
47	13182	87.50	258.00	12253.97	-236.18	-1019.12	1046.04	1.21
48	13213	87.60	258.00	12255.29	-242.62	-1049.41	1077.01	0.32
49	13247	87.80	258.70	12256.66	-249.48	-1082.69	1110.98	2.14
50	13280	88.40	258.30	12257.75	-256.05	-1115.01	1143.96	2.18
51	13312	88.90	258.00	12258.51	-262.62	-1146.31	1175.95	1.82
52	13345	89.60	258.00	12258.94	-269.48	-1178.59	1208.94	2.12
53	13378	88.50	258.30	12259.49	-276.26	-1210.88	1241.94	3.46
54	13410	88.20	258.30	12260.41	-282.75	-1242.20	1273.92	0.94
55	13442	87.00	257.60	12261.75	-289.42	-1273.47	1305.89	4.34
56	13475	87.20	257.60	12263.42	-296.50	-1305.66	1338.85	0.61
57	13508	87.50	257.30	12264.94	-303.66	-1337.84	1371.81	1.28
58	13540	87.70	258.30	12266.28	-310.42	-1369.09	1403.79	3.18
59	13573	87.40	258.70	12267.69	-316.99	-1401.39	1436.75	1.51
60	13604	87.70	258.30	12269.02	-323.16	-1431.74	1467.72	1.61
61	13639	88.20	257.60	12270.27	-330.47	-1465.95	1502.70	2.46
62	13671	88.50	257.30	12271.19	-337.42	-1497.17	1534.68	1.33
63	13702	88.90	258.00	12271.90	-344.05	-1527.45	1565.68	2.60
Proj	13804	90.10	258.30	12272.79	-364.99	-1627.27	1667.67	1.21

BAKER HUGHES

INTEQ

Survey Report

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR:	EOG Resources	**START:**	3/28/2004
WELL:	RHNU #213	**FINISH:**	
LOCATION:	Lea Co., N.M.	**JOB #:**	652658

PROPOSED DIRECTION:	257.71
Mag to Grid	8.02

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
50	13280	88.40	258.30	12257.75	-256.05	-1115.01	1143.96	2.18
51	13312	88.90	258.00	12258.51	-262.62	-1146.31	1175.95	1.82
52	13345	89.60	258.00	12258.94	-269.48	-1178.59	1208.94	2.12
53	13378	88.50	258.30	12259.49	-276.26	-1210.88	1241.94	3.46
54	13410	88.20	258.30	12260.41	-282.75	-1242.20	1273.92	0.94
55	13442	87.00	257.60	12261.75	-289.42	-1273.47	1305.89	4.34
56	13475	87.20	257.60	12263.42	-296.50	-1305.66	1338.85	0.61
57	13508	87.50	257.30	12264.94	-303.66	-1337.84	1371.81	1.28
58	13540	87.70	258.30	12266.28	-310.42	-1369.09	1403.79	3.18
59	13573	87.40	258.70	12267.69	-316.99	-1401.39	1436.75	1.51
60	13604	87.70	258.30	12269.02	-323.16	-1431.74	1467.72	1.61
61	13639	88.20	257.60	12270.27	-330.47	-1465.95	1502.70	2.46
62	13671	88.50	257.30	12271.19	-337.42	-1497.17	1534.68	1.33
63	13702	88.90	258.00	12271.90	-344.05	-1527.45	1565.68	2.60
64	13737	88.50	258.30	12272.69	-351.23	-1561.69	1600.67	1.43
65	13769	88.90	257.60	12273.42	-357.91	-1592.98	1632.66	2.52
66	13798	89.10	258.00	12273.92	-364.04	-1621.32	1661.65	1.54
67	13834	89.80	259.00	12274.27	-371.21	-1656.60	1697.65	3.39
68	13867	90.40	259.00	12274.21	-377.51	-1688.99	1730.64	1.82
69	13897	90.30	259.00	12274.03	-383.24	-1718.44	1760.63	0.33
70	13932	90.40	258.70	12273.81	-390.00	-1752.78	1795.62	0.90
Bit	13999	90.40	258.70	12273.35	-403.13	-1818.48	1862.61	0.00

@ Bit 7' LEFT, .4' BELOW

BAKER HUGHES

INTEQ

Survey Report

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR:	EOG Resources	START:	3/28/2004
WELL:	RHNU #213	FINISH:	
LOCATION:	Lea Co., N.M.	JOB #:	652658

PROPOSED DIRECTION:	257.71
Mag to Grid	8.02

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
70	13932	90.40	258.70	12273.81	-390.00	-1752.78	1795.62	0.90
71	13995	90.80	258.30	12273.15	-402.56	-1814.51	1858.61	0.90
72	14063	90.50	258.70	12272.38	-416.12	-1881.14	1926.60	0.74
73	14093	89.90	258.70	12272.28	-422.00	-1910.56	1956.60	2.00
74	14159	90.40	259.00	12272.10	-434.76	-1975.31	2022.58	0.88
75	14189	90.40	258.70	12271.89	-440.56	-2004.74	2052.58	1.00
76	14224	90.70	259.40	12271.56	-447.21	-2039.10	2087.57	2.18
77	14255	90.00	259.70	12271.37	-452.83	-2069.59	2118.55	2.46
78	14286	90.30	259.70	12271.29	-458.37	-2100.09	2149.53	0.97
79	14353	90.40	259.00	12270.88	-470.76	-2165.93	2216.50	1.06
80	14383	90.00	258.70	12270.77	-476.56	-2195.37	2246.49	1.67
81	14418	90.40	258.30	12270.65	-483.54	-2229.66	2281.49	1.62
82	14481	90.80	258.70	12269.99	-496.09	-2291.40	2344.48	0.90
83	14515	89.60	258.30	12269.87	-502.87	-2324.71	2378.48	3.72
84	14579	90.30	258.70	12269.93	-515.63	-2387.43	2442.47	1.26
85	14613	90.40	259.40	12269.72	-522.09	-2420.81	2476.46	2.08
86	14677	90.90	259.70	12269.00	-533.70	-2483.74	2540.42	0.91
87	14709	90.40	258.70	12268.63	-539.69	-2515.17	2572.41	3.49
88	14774	90.60	258.30	12268.07	-552.65	-2578.86	2637.40	0.69
89	14809	90.60	258.00	12267.70	-559.84	-2613.12	2672.40	0.86
90	14842	91.00	257.30	12267.24	-566.90	-2645.35	2705.39	2.44
91	14872	91.40	257.60	12266.61	-573.41	-2674.63	2735.39	1.67
92	14907	91.80	258.00	12265.63	-580.81	-2708.82	2770.37	1.62
93	14938	91.80	257.30	12264.66	-587.43	-2739.09	2801.36	2.26
94	14968	91.90	256.90	12263.69	-594.13	-2768.32	2831.34	1.37
95	15003	90.60	257.30	12262.93	-601.94	-2802.42	2866.33	3.89
96	15036	90.20	255.90	12262.70	-609.59	-2834.52	2899.32	4.41
97	15066	90.40	256.20	12262.54	-616.82	-2863.64	2929.31	1.20
98	15100	90.40	255.90	12262.30	-625.02	-2896.64	2963.29	0.88
99	15118	89.60	255.90	12262.30	-629.40	-2914.09	2981.28	4.44
TD	15185	90.00	255.90	12262.54	-645.72	-2979.07	3048.25	0.60

@ Bit 0.6' ABOVE, 3.2' RT.