PATHFINDER

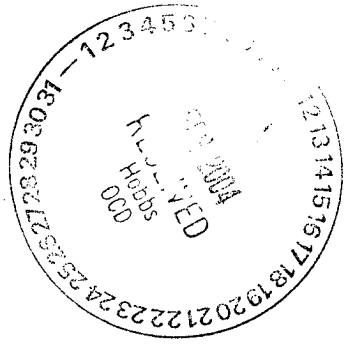
SUR: C-17-25s-34e, 1000/N & 1700/W
BHL: D-7-25s-34e, 1088/N & 114/W
API # 30-025-36237

DIRECTIONAL SURVEY REPORT

EOG RESOURCES

RHNU #904

LEA COUNTY, NEW MEXICO



PREPARED BY: ROCK BRUNET

PathFinder Energy Services, Inc.
3329 West Pinhook Road, Lafayette, LA 70508
(337) 233-3982

PATHFINDER
ENERGY SERVICES
3329 West Pinhook Road • Lafayette, LA 70508 • Phone: 337-233-3982 or 800-377-3982 • Fax: 337-234-2988

January 16, 2004

EOG RESOURCES, INC.
4000 N. Big Springs Suite 500
Midland, TX 79705

RE: EOG RESOURCES
RHNU #904
LEA COUNTY, NEW MEXICO
RIG: MCVAY #10
API NO.: 30-025-36237-00
FILENAME: J-WT-0311-0076

Dear Sir:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

SURVEY DATA
1 - Original survey report
2 – Survey report copies

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (337) 233-3982.

Sincerely,

Rock Brunet

Rock Brunet
Service Coordinator
PathFinder Energy Services

PATHFINDER
ENERGY SERVICES

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES

2. NAME OF PERSON(S) PERFORMING SURVEY: A) DAVID SCOTT
   B) CHANCE HODGES
   C) SANDON ROATH

3. POSITION OF SAID PERSON(S): (A-C) SURVEYORS (FIELD ENGINEERS)

4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 11/28/03 TO 12/20/03

5. STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, NEW MEXICO

6. LOCATION OF WELL: LEA COUNTY, NEW MEXICO

7. TYPE OF SURVEY(S) PERFORMED: MWD

8. COMPLETE IDENTIFICATION OF WELL:

   EOG RESOURCES
   RHNU #904
   LEA COUNTY, NEW MEXICO
   RIG: MCVAY #10

9. SURVEY CERTIFIED FROM: 11,851 TO 14,370 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 2,171.56 FEET ON A BEARING OF 265.15 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT AN INTERPOLATED BIT DEPTH OF 14,430 FEET ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Rock Brunet

ROCK BRUNET
SERVICE COORDINATOR

Pathfinder

BHL Report

Job No: J-WT-0311-0076
Date: 1/6/2004
Time: 1:36 pm
Wellpath ID: RHNU #904
Date Created: 11/25/2003
Last Revision: 1/6/2004

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 264.68 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

EOG RESOURCES
RHNU #904
LEA COUNTY, N.M.
RIG: McVAY #10

DECL: 8.0° EAST TO GRID
KBH: 20 FT ROTARY TO GROUND LEVEL

PATHFINDER OFFICE SUPERVISOR:
GLENN COYLE
PATHFINDER ENGINEERS:
D. SCOTT / C. HODGES / SANDON ROATH / TROY PAREDEZ

Measured Depth	14430.00	(ft)
Inclination	88.50	(deg)
Azimuth	261.00	(deg)
True Vertical Depth	12286.88	(ft)
Vertical Section	2171.48	(ft)
Rectangular Offsets		
North/South	183.51 S	(ft)
East/West	2163.79W	(ft)
Closure Dist & Dir	2171.56@265.15	(deg)
Dogleg Severity	4.06	(deg/100ft)
Build Rate	1.23	(deg/100ft)
Walk Rate	-3.87	(deg/100ft)

Pathfinder

Survey Report

Job No: J-WT-0311-0076
Date: 1/6/2004
Time: 1:36 pm
Wellpath ID: RHNU #904
Date Created: 11/25/2003
Last Revision: 1/6/2004

Calculated using the Minimum Curverture Method
Computed using PDS VER2.2.6
Vertical Section Plane: 264.68 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

EOG RESOURCES
RHNU #904
LEA COUNTY, N.M.
RIG: McVAY #10

DECL: 8.0° EAST TO GRID
KBH: 20 FT ROTARY TO GROUND LEVEL

PATHFINDER OFFICE SUPERVISOR:
GLENN COYLE
PATHFINDER ENGINEERS:
D. SCOTT / C. HODGES / SANDON ROATH / TROY PAREDEZ

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	(ft)	Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
TIED INTO GYRODATA GYRO SURVEY @ 11738.71' MD.										
11739.00	0.74	98.51	11736.26	0.00	-155.30	58.45 S	161.41 E	171.67	@ 109.91	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
11851.00	0.35	31.45	11848.26	112.00	-156.20	58.27 S	162.30 E	172.45	@ 109.75	0.61
11915.00	3.69	276.77	11912.21	64.00	-154.30	57.86 S	160.36 E	170.48	@ 109.84	6.01
11948.00	9.32	275.27	11944.99	33.00	-150.64	57.48 S	156.64 E	166.86	@ 110.15	17.07
11980.00	16.09	274.31	11976.19	32.00	-143.71	56.91 S	149.63 E	160.09	@ 110.82	21.17
12012.00	23.48	271.67	12006.28	32.00	-133.00	56.39 S	138.82 E	149.84	@ 112.11	23.26
12043.00	29.46	271.67	12034.01	31.00	-119.29	55.99 S	125.02 E	136.98	@ 114.13	19.29
12076.00	33.15	274.05	12062.21	33.00	-102.32	55.12 S	107.90 E	121.16	@ 117.06	11.79
12108.00	37.64	274.92	12088.28	32.00	-84.07	53.66 S	89.43 E	104.29	@ 120.97	14.12
12139.00	42.30	274.75	12112.04	31.00	-64.47	51.98 S	69.59 E	86.86	@ 126.76	15.04
12170.00	46.69	274.57	12134.14	31.00	-43.08	50.22 S	47.94 E	69.43	@ 136.33	14.17
12201.00	50.47	274.84	12154.65	31.00	-20.19	48.31 S	24.78 E	54.29	@ 152.85	12.21
12234.00	53.82	275.01	12174.90	33.00	5.45	46.07 S	1.18W	46.09	@ 181.47	10.16
12266.00	57.07	274.84	12193.04	32.00	31.38	43.81 S	27.43W	51.69	@ 212.05	10.17
12298.00	60.67	274.22	12209.58	32.00	58.36	41.65 S	54.74W	68.78	@ 232.73	11.37
12330.00	63.49	273.34	12224.57	32.00	86.28	39.79 S	82.95W	92.00	@ 244.37	9.14
12362.00	66.13	272.38	12238.19	32.00	114.94	38.35 S	111.86W	118.26	@ 251.08	8.69
12394.00	68.85	271.23	12250.44	32.00	144.27	37.42 S	141.41W	146.28	@ 255.18	9.13
12426.00	72.02	270.27	12261.15	32.00	174.25	37.03 S	171.55W	175.50	@ 257.82	10.30
12458.00	74.74	269.91	12270.30	32.00	204.77	36.98 S	202.21W	205.57	@ 259.64	8.57
12490.00	77.47	270.18	12277.99	32.00	235.70	36.96 S	233.27W	236.18	@ 261.00	8.57
12522.00	80.37	270.27	12284.14	32.00	266.95	36.83 S	264.67W	267.23	@ 262.08	9.07
12563.00	83.62	270.53	12289.84	41.00	307.34	36.55 S	305.27W	307.45	@ 263.17	7.95
12663.00	87.05	271.85	12297.98	100.00	406.35	34.48 S	404.90W	406.36	@ 265.13	3.67
12695.00	87.49	269.56	12299.50	32.00	438.14	34.08 S	436.86W	438.19	@ 265.54	7.28

Pathfinder

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	(ft)	Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
12727.00	88.20	267.54	12300.70	32.00	470.04	34.89 S	468.82W	470.12	@265.74	6.69
12759.00	88.99	265.87	12301.49	32.00	502.01	36.73 S	500.76W	502.10	@265.80	5.77
12790.00	89.34	264.90	12301.94	31.00	533.00	39.23 S	531.65W	533.10	@265.78	3.33
12822.00	90.40	264.99	12302.01	32.00	565.00	42.05 S	563.53W	565.10	@265.73	3.32
12854.00	90.31	264.82	12301.82	32.00	597.00	44.89 S	595.40W	597.09	@265.69	0.60
12885.00	89.60	264.38	12301.84	31.00	628.00	47.80 S	626.26W	628.09	@265.63	2.69
12917.00	89.52	264.29	12302.09	32.00	660.00	50.96 S	658.11W	660.08	@265.57	0.38
12948.00	89.69	264.64	12302.30	31.00	691.00	53.95 S	688.96W	691.07	@265.52	1.26
12980.00	89.52	264.29	12302.52	32.00	723.00	57.04 S	720.81W	723.07	@265.48	1.22
13012.00	89.52	264.02	12302.79	32.00	754.99	60.30 S	752.64W	755.06	@265.42	0.84
13044.00	90.04	263.76	12302.91	32.00	786.99	63.70 S	784.46W	787.05	@265.36	1.82
13076.00	90.04	263.76	12302.89	32.00	818.99	67.18 S	816.27W	819.03	@265.29	0.00
13107.00	89.78	263.50	12302.94	31.00	849.98	70.62 S	847.08W	850.02	@265.23	1.19
13139.00	90.22	263.15	12302.94	32.00	881.97	74.34 S	878.86W	882.00	@265.16	1.76
13169.00	90.13	263.32	12302.85	30.00	911.96	77.88 S	908.66W	911.99	@265.10	0.64
13201.00	90.75	263.94	12302.60	32.00	943.96	81.43 S	940.46W	943.98	@265.05	2.74
13233.00	91.19	264.02	12302.06	32.00	975.95	84.78 S	972.28W	975.97	@265.02	1.40
13264.00	91.10	263.50	12301.44	31.00	1006.94	88.15 S	1003.09W	1006.95	@264.98	1.70
13296.00	90.92	263.50	12300.87	32.00	1038.93	91.77 S	1034.88W	1038.94	@264.93	0.56
13327.00	91.36	263.76	12300.26	31.00	1069.91	95.21 S	1065.68W	1069.92	@264.89	1.65
13358.00	91.63	263.76	12299.45	31.00	1100.90	98.58 S	1096.48W	1100.91	@264.86	0.87
13390.00	91.36	263.50	12298.61	32.00	1132.88	102.13 S	1128.27W	1132.89	@264.83	1.17
13422.00	91.28	262.97	12297.88	32.00	1164.86	105.90 S	1160.04W	1164.87	@264.78	1.67
13454.00	91.63	263.32	12297.06	32.00	1196.84	109.71 S	1191.80W	1196.84	@264.74	1.55
13485.00	91.98	263.15	12296.09	31.00	1227.82	113.36 S	1222.57W	1227.82	@264.70	1.26
13517.00	91.80	263.06	12295.03	32.00	1259.79	117.20 S	1254.32W	1259.79	@264.66	0.63
13549.00	91.98	262.97	12293.98	32.00	1291.76	121.09 S	1286.07W	1291.76	@264.62	0.63
13581.00	91.28	263.23	12293.07	32.00	1323.73	124.94 S	1317.82W	1323.73	@264.58	2.33
13612.00	90.22	263.23	12292.66	31.00	1354.72	128.59 S	1348.61W	1354.72	@264.55	3.42
13644.00	90.04	264.46	12292.59	32.00	1386.71	132.02 S	1380.42W	1386.72	@264.54	3.88
13676.00	90.31	264.02	12292.49	32.00	1418.71	135.23 S	1412.26W	1418.72	@264.53	1.61
13707.00	90.31	263.50	12292.32	31.00	1449.71	138.60 S	1443.07W	1449.71	@264.51	1.68
13739.00	90.75	264.55	12292.03	32.00	1481.70	141.93 S	1474.90W	1481.71	@264.50	3.56
13770.00	90.84	264.73	12291.60	31.00	1512.70	144.83 S	1505.76W	1512.71	@264.51	0.65
13802.00	91.36	265.61	12290.98	32.00	1544.69	147.52 S	1537.64W	1544.70	@264.52	3.19
13834.00	91.98	266.40	12290.05	32.00	1576.67	149.75 S	1569.55W	1576.68	@264.55	3.14
13865.00	91.98	266.22	12288.98	31.00	1607.64	151.74 S	1600.47W	1607.64	@264.58	0.58
13897.00	92.24	266.22	12287.80	32.00	1639.61	153.85 S	1632.37W	1639.61	@264.62	0.81
13929.00	93.12	266.40	12286.30	32.00	1671.56	155.91 S	1664.27W	1671.56	@264.65	2.81
13960.00	93.12	266.40	12284.62	31.00	1702.50	157.85 S	1695.17W	1702.50	@264.68	0.00
13992.00	93.47	266.40	12282.78	32.00	1734.43	159.86 S	1727.05W	1734.43	@264.71	1.09
14024.00	92.77	267.19	12281.04	32.00	1766.36	161.65 S	1758.95W	1766.36	@264.75	3.30
14054.00	91.71	268.42	12279.86	30.00	1796.29	162.79 S	1788.91W	1796.30	@264.80	5.41
14085.00	92.07	268.68	12278.84	31.00	1827.21	163.58 S	1819.88W	1827.22	@264.86	1.43
14117.00	91.10	268.68	12277.96	32.00	1859.12	164.32 S	1851.86W	1859.13	@264.93	3.03

Pathfinder

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. (ft)	Closure Dir. (deg.)	DLS (dg/100ft)
14148.00	90.22	269.30	12277.60	31.00	1890.03	164.86 S	1882.85W	1890.05	@ 265.00	3.47
14179.00	89.00	268.95	12277.81	31.00	1920.93	165.33 S	1913.85W	1920.97	@ 265.06	4.09
14211.00	88.29	268.33	12278.57	32.00	1952.85	166.09 S	1945.83W	1952.90	@ 265.12	2.95
14243.00	87.93	267.72	12279.62	32.00	1984.77	167.20 S	1977.79W	1984.84	@ 265.17	2.21
14275.00	87.85	267.54	12280.80	32.00	2016.71	168.52 S	2009.74W	2016.79	@ 265.21	0.62
14306.00	87.23	266.84	12282.13	31.00	2047.65	170.04 S	2040.68W	2047.75	@ 265.24	3.01
14338.00	87.50	265.43	12283.60	32.00	2079.61	172.19 S	2072.57W	2079.71	@ 265.25	4.48
14370.00	87.76	263.32	12284.93	32.00	2111.58	175.33 S	2104.38W	2111.68	@ 265.24	6.64
Interpolated Survey to Bit Depth @ 14,430' MD.										
14430.00	88.50	261.00	12286.88	60.00	2171.48	183.51 S	2163.79W	2171.56	@ 265.15	4.06