

Stogner, Michael, EMNRD

From: Stogner, Michael, EMNRD
To: Ocean Munds-Dry
Cc:
Subject: RE: SD Applications
Attachments:

Sent: Tue 5/9/2006 3:32 PM

It looks as if the two wells in the E/2 of Sec. 23-T16S-R24E (the Rio Grande "23" Wells No. 1H and 2H) have both drilled. Please provide me with the directional survey on the #2H well. Thanks.

From: Ocean Munds-Dry [mailto:Omundsdry@hollandhart.com]
Sent: Wed 4/26/2006 2:58 PM
To: Stogner, Michael, EMNRD
Subject: FW: SD Applications

Mr. Stogner:

Pursuant to your request, please find directional surveys for each of the simultaneous dedication applications for EOG. Please let me know if you need anything further.

Thank you,
Ocean

From: Donny_Glanton@eogresources.com [mailto:Donny_Glanton@eogresources.com]
Sent: Wednesday, April 26, 2006 2:46 PM
To: Ocean Munds-Dry
Cc: Rick_Lanning@eogresources.com
Subject: SD Applications

Dear Oceans,

As per your request to Mr. Lanning, please find the actual directional surveys of the four (4) wells identified below.

Let me know if you need anything further in this regard,

Donny G. Glanton
432-686-3642

----- Forwarded by Rick Lanning/EOGResources on 04/24/2006 05:54 PM -----

"Ocean Munds-Dry" <Omundsdry@hollandhart.com>

To <Rick_Lanning@eogresources.com>

cc

04/24/2006 05:34 PM

Subject SD applications

Hi Rick:

Mr. Stogner at the NMOCD just called regarding the 4 simultaneous dedication applications we filed for EOG for the: Yellow A7 Fee 1H and 2H, the Yellow B7 Fee 1H and 2H; the Platte Well No. 1H and 2H and the Rio Grande "23" Fed Well No. 1H and 2H. He asked that we send him the actual directional surveys for the 4 existing wells in each of these applications. He said they are not up on the OCD website yet so he can't look them up himself. Do you have these surveys and if so, can you forward to me so I can get them to Stogner? It occurs to me that these might not all be your applications and in that case I'm not sure who they belong to - if you could help in directing them to the right person, I'd appreciate it.

Thanks,
Ocean

Ocean Munds-Dry
Holland & Hart LLP
110 N. Guadalupe Suite 1
Santa Fe, NM 87501
Phone (505) 988-4421
Fax (866) 851-8340
E-mail: Omundsdry@hollandhart.com

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Stogner, Michael, EMNRD

From: Ocean Munds-Dry [Omundsdry@hollandhart.com] **Sent:** Wed 5/10/2006 11:43 AM
To: Stogner, Michael, EMNRD
Cc:
Subject: FW: SD Applications
Attachments:  [Rio Grande 23-2 Final Survey Report.pdf\(102KB\)](#)

Pursuant to your request....

From: Donny_Glanton@eogresources.com [mailto:Donny_Glanton@eogresources.com]
Sent: Wednesday, May 10, 2006 9:28 AM
To: Ocean Munds-Dry
Subject: Fw: SD Applications

Please find directional survey for the Rio Grande #2H.

Thanks,
Ocean

Ocean Munds-Dry
Holland & Hart LLP
110 N. Guadalupe Suite 1
Santa Fe, NM 87501
Phone (505) 988-4421
Fax (866) 851-8340
E-mail: Omundsdry@hollandhart.com

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Pathfinder

Survey Report

Page 1
Job No: 101005351WTWT
Date: 4/6/2006
Time: 10:16 am
Wellpath ID: 10100535
Date Created: 3/18/2006
Last Revision: 4/6/2006

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 0.16 deg.

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

EOG RESOURCES
RIO GRANDE 23 FED #2-H
JW #3
RIO GRANDE 23 FED #2-H
0603

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Vertical Section (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		Build Rate (dg/100ft)	DLS (dg/100ft)
4205.00	4.92	116.77	-23.80	4204.10	23.80 S	0.30W	0.00	0.00
4223.00	5.19	116.56	-24.51	4222.03	24.51 S	1.12 E	1.50	1.50
4255.00	5.63	107.77	-25.63	4253.89	25.64 S	3.91 E	1.38	2.93
4287.00	7.21	81.14	-25.79	4285.69	25.81 S	7.39 E	4.94	10.40
4318.00	9.67	61.72	-24.24	4316.36	24.27 S	11.60 E	7.94	12.04
4350.00	13.45	51.52	-20.64	4347.71	20.68 S	16.89 E	11.81	13.39
4382.00	17.76	45.55	-14.88	4378.52	14.95 S	23.29 E	13.47	14.36
4414.00	22.07	41.86	-6.96	4408.61	7.05 S	30.79 E	13.47	14.02
4446.00	26.64	38.34	3.17	4437.75	3.06 N	39.25 E	14.28	14.98
4477.00	30.78	35.09	15.14	4464.94	15.01 N	48.13 E	13.35	14.27
4509.00	34.91	31.49	29.69	4491.82	29.53 N	57.62 E	12.91	14.27
4541.00	39.13	27.88	46.46	4517.36	46.27 N	67.13 E	13.19	14.83
4573.00	43.09	24.28	65.38	4541.47	65.17 N	76.35 E	12.37	14.41
4604.00	47.13	21.38	85.65	4563.35	85.41 N	84.85 E	13.03	14.62
4636.00	51.00	18.21	108.41	4584.31	108.15 N	93.02 E	12.09	14.22
4668.00	55.13	15.49	132.91	4603.54	132.63 N	100.42 E	12.91	14.58
4700.00	59.09	12.59	158.99	4620.92	158.69 N	106.92 E	12.37	14.53
4732.00	62.34	8.81	186.42	4636.57	186.11 N	112.08 E	10.16	14.46
4763.00	65.69	5.56	214.07	4650.16	213.75 N	115.56 E	10.81	14.34
4795.00	69.56	2.83	243.58	4662.34	243.25 N	117.71 E	12.09	14.44
4827.00	74.04	0.37	273.96	4672.33	273.63 N	118.55 E	14.00	15.79

Pathfinder Survey Report

Page 2
Date: 4/6/2006
Wellpath ID: 10100535

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Vertical Section (ft)	TVD (ft)	T O T A L Rectangular Offsets (ft)		Build Rate (dg/100ft)	DLS (dg/100ft)
4859.00	76.94	358.35	304.93	4680.35	304.60 N	118.20 E	9.06	10.93
4890.00	79.84	357.74	335.27	4686.59	334.94 N	117.16 E	9.35	9.55
4922.00	82.48	357.74	366.86	4691.50	366.54 N	115.92 E	8.25	8.25
4954.00	84.94	358.09	398.64	4695.01	398.32 N	114.76 E	7.69	7.76
4986.00	86.61	358.00	430.53	4697.37	430.21 N	113.67 E	5.22	5.23
5018.00	88.46	357.38	462.47	4698.74	462.16 N	112.38 E	5.78	6.10
5049.00	90.66	357.03	493.42	4698.98	493.12 N	110.87 E	7.10	7.19
5081.00	91.10	357.12	525.37	4698.49	525.07 N	109.24 E	1.37	1.40
5118.00	91.45	356.95	562.31	4697.67	562.01 N	107.32 E	0.95	1.05
5150.00	91.71	357.12	594.25	4696.78	593.96 N	105.67 E	0.81	0.97
5182.00	92.24	357.47	626.19	4695.68	625.90 N	104.16 E	1.66	1.98
5214.00	90.66	356.59	658.13	4694.87	657.85 N	102.50 E	-4.94	5.65
5245.00	89.34	355.54	689.05	4694.87	688.77 N	100.38 E	-4.26	5.44
5277.00	88.90	355.19	720.93	4695.36	720.66 N	97.79 E	-1.37	1.76
5309.00	89.60	355.89	752.83	4695.78	752.56 N	95.30 E	2.19	3.09
5341.00	90.48	356.33	784.75	4695.76	784.49 N	93.13 E	2.75	3.07
5372.00	90.40	355.98	815.67	4695.52	815.42 N	91.05 E	-0.26	1.16
5404.00	90.66	356.15	847.59	4695.23	847.34 N	88.86 E	0.81	0.97
5436.00	91.01	356.59	879.51	4694.76	879.27 N	86.83 E	1.09	1.76
5468.00	90.92	356.51	911.45	4694.22	911.21 N	84.91 E	-0.28	0.38
5500.00	90.92	356.15	943.37	4693.71	943.14 N	82.86 E	0.00	1.12
5531.00	91.01	355.71	974.28	4693.18	974.06 N	80.66 E	0.29	1.45
5563.00	91.36	355.19	1006.17	4692.52	1005.95 N	78.12 E	1.09	1.96
5595.00	91.19	355.45	1038.04	4691.81	1037.84 N	75.51 E	-0.53	0.97
5627.00	91.36	355.89	1069.94	4691.10	1069.74 N	73.09 E	0.53	1.47
5659.00	90.66	356.33	1101.85	4690.54	1101.66 N	70.92 E	-2.19	2.58
5690.00	90.48	356.33	1132.78	4690.23	1132.59 N	68.94 E	-0.58	0.58
5722.00	90.92	356.68	1164.71	4689.84	1164.53 N	66.99 E	1.37	1.76
5754.00	91.45	356.95	1196.65	4689.17	1196.48 N	65.21 E	1.66	1.86
5786.00	91.45	356.86	1228.59	4688.36	1228.42 N	63.48 E	0.00	0.28
5817.00	91.45	356.07	1259.52	4687.58	1259.35 N	61.57 E	0.00	2.55
5849.00	90.48	355.45	1291.42	4687.04	1291.26 N	59.21 E	-3.03	3.60
5881.00	90.13	355.19	1323.30	4686.87	1323.15 N	56.60 E	-1.09	1.36
5913.00	90.31	354.66	1355.17	4686.75	1355.02 N	53.77 E	0.56	1.75

Pathfinder

Survey Report

Page 3
Date: 4/6/2006
Wellpath ID: 10100535

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Vertical Section (ft)	TVD (ft)	T O T A L Rectangular Offsets (ft)		Build Rate (dg/100ft)	DLS (dg/100ft)
5945.00	90.66	354.31	1387.01	4686.48	1386.87 N	50.69 E	1.09	1.55
5976.00	90.22	353.78	1417.83	4686.24	1417.71 N	47.47 E	-1.42	2.22
6008.00	90.57	353.87	1449.64	4686.02	1449.52 N	44.03 E	1.09	1.13
6040.00	90.48	354.83	1481.47	4685.72	1481.36 N	40.88 E	-0.28	3.01
6072.00	90.66	354.66	1513.33	4685.41	1513.23 N	37.95 E	0.56	0.77
6104.00	89.87	354.66	1545.18	4685.26	1545.09 N	34.97 E	-2.47	2.47
6135.00	89.86	354.57	1576.03	4685.33	1575.95 N	32.06 E	-0.03	0.29
6172.00	89.43	354.83	1612.86	4685.56	1612.79 N	28.65 E	-1.16	1.36
6204.00	89.25	356.24	1644.76	4685.93	1644.69 N	26.16 E	-0.56	4.44
6235.00	89.25	356.51	1675.69	4686.33	1675.63 N	24.20 E	0.00	0.87
6267.00	89.60	357.38	1707.63	4686.66	1707.58 N	22.49 E	1.09	2.93
6298.00	89.96	358.09	1738.61	4686.77	1738.55 N	21.27 E	1.16	2.57
6329.00	90.84	359.58	1769.60	4686.56	1769.55 N	20.64 E	2.84	5.58
6360.00	91.28	0.20	1800.59	4685.98	1800.54 N	20.58 E	1.42	2.45
6391.00	91.71	0.64	1831.58	4685.18	1831.53 N	20.80 E	1.39	1.98
6422.00	91.80	0.11	1862.56	4684.23	1862.51 N	21.01 E	0.29	1.73
6453.00	90.75	0.20	1893.56	4683.54	1893.50 N	21.09 E	-3.39	3.40
6485.00	90.66	359.58	1925.55	4683.14	1925.50 N	21.03 E	-0.28	1.96
6516.00	88.90	0.28	1956.55	4683.26	1956.50 N	20.99 E	-5.68	6.11
6547.00	88.64	0.46	1987.54	4683.93	1987.49 N	21.19 E	-0.84	1.02
6579.00	88.90	0.90	2019.53	4684.62	2019.48 N	21.57 E	0.81	1.60
6610.00	89.43	1.08	2050.53	4685.07	2050.47 N	22.11 E	1.71	1.81
6641.00	89.87	1.08	2081.52	4685.26	2081.47 N	22.69 E	1.42	1.42
6672.00	90.13	1.25	2112.52	4685.26	2112.46 N	23.32 E	0.84	1.00
6704.00	90.57	0.90	2144.51	4685.06	2144.46 N	23.92 E	1.38	1.76
6735.00	90.75	0.81	2175.51	4684.70	2175.45 N	24.38 E	0.58	0.65
6766.00	91.01	0.64	2206.50	4684.23	2206.44 N	24.78 E	0.84	1.00
6798.00	91.10	0.81	2238.50	4683.64	2238.44 N	25.18 E	0.28	0.60
6829.00	91.80	0.99	2269.48	4682.85	2269.42 N	25.67 E	2.26	2.33
6860.00	92.24	1.16	2300.46	4681.76	2300.40 N	26.25 E	1.42	1.52
6892.00	91.19	0.72	2332.44	4680.80	2332.38 N	26.77 E	-3.28	3.56
6923.00	90.57	0.46	2363.44	4680.33	2363.37 N	27.09 E	-2.00	2.17
6954.00	90.48	0.02	2394.44	4680.04	2394.37 N	27.22 E	-0.29	1.45
6986.00	90.75	359.85	2426.44	4679.70	2426.37 N	27.19 E	0.84	1.00

Pathfinder Survey Report

Page 4
Date: 4/6/2006
Wellpath ID: 10100535

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Vertical Section (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		Build Rate (dg/100ft)	DLS (dg/100ft)
7017.00	91.28	0.11	2457.43	4679.15	2457.36 N	27.17 E	1.71	1.90
7048.00	91.54	0.11	2488.42	4678.39	2488.35 N	27.23 E	0.84	0.84
7079.00	92.15	0.02	2519.40	4677.39	2519.34 N	27.27 E	1.97	1.99
7111.00	91.80	359.14	2551.38	4676.29	2551.32 N	27.03 E	-1.09	2.96
7142.00	91.80	359.32	2582.36	4675.31	2582.30 N	26.62 E	0.00	0.58
7173.00	92.33	359.14	2613.34	4674.20	2613.28 N	26.20 E	1.71	1.81
7205.00	92.68	358.97	2645.30	4672.80	2645.24 N	25.68 E	1.09	1.22
7236.00	90.48	359.23	2676.28	4671.94	2676.22 N	25.19 E	-7.10	7.15
7268.00	89.87	359.05	2708.28	4671.85	2708.22 N	24.71 E	-1.91	1.99
7298.00	90.31	358.97	2738.27	4671.80	2738.22 N	24.19 E	1.47	1.49
7330.00	91.28	359.49	2770.27	4671.35	2770.21 N	23.76 E	3.03	3.44
7361.00	91.89	359.85	2801.25	4670.50	2801.20 N	23.58 E	1.97	2.28
7392.00	91.71	359.67	2832.24	4669.52	2832.18 N	23.45 E	-0.58	0.82
7423.00	91.80	359.67	2863.22	4668.57	2863.17 N	23.27 E	0.29	0.29
7454.00	92.07	359.67	2894.20	4667.53	2894.15 N	23.09 E	0.87	0.87
7486.00	91.89	359.49	2926.18	4666.42	2926.13 N	22.86 E	-0.56	0.80
7517.00	91.36	358.61	2957.16	4665.54	2957.11 N	22.35 E	-1.71	3.31
7548.00	91.45	358.70	2988.14	4664.78	2988.09 N	21.62 E	0.29	0.41
7580.00	92.59	358.97	3020.11	4663.65	3020.07 N	20.97 E	3.56	3.66
7611.00	92.86	359.23	3051.07	4662.18	3051.03 N	20.48 E	0.87	1.21
7642.00	93.12	359.05	3082.03	4660.56	3081.98 N	20.02 E	0.84	1.02
7674.00	93.30	359.05	3113.97	4658.77	3113.93 N	19.49 E	0.56	0.56
7705.00	93.47	358.97	3144.91	4656.94	3144.87 N	18.95 E	0.55	0.61
PROJECTION TO TARGET DEPTH								
7767.00	93.47	358.97	3206.78	4653.19	3206.74 N	17.84 E	0.00	0.00

SL = 660' FSL - 1880' FEL (0)

3209' north
660
3869' north of the SL

4170
5280
-3867
1413' FNL

1880' FEL
-15
1862' FEL