

11140

Exhibit No. _____
Worldwide Court
Reporters, Inc.

From: Liao, Tony T
Sent: Sun May 16 15:35:46 2010
To: Mason, Mike C
Subject: RE: Macondo SIWHP Build-up Rate Final Report.doc
Importance: Normal
Attachments: Expected Macondo Reservoir Depletion.xls

Hi Mike,

Here are the calculation results I got:

To get an 700 psi depletion from 4/20/2010 to 15May2010, the rate required is 86,600 B/D.

Attached please find the Excel file for all the cases I ran.

I checked all the input and they are the same as those in the document.

Please let me know if you have any questions.

Best regards,

<<...>>

Tony T. Liao, Ph.D.
BP America, Inc., Houston
(Office) +1 281 504 6571
EPT, Base Management, Technology Specialist Support Team

From: Mason, Mike C
Sent: Saturday, May 15, 2010 9:26 PM
To: Liao, Tony T
Subject: Macondo SIWHP Build-up Rate Final Report.doc
<< File: Macondo SIWHP Build-up Rate Final Report.doc >>

Tony

Run an 700 psi case on Mbal and calculate the rate required to deliver that sort of pressure depletion

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BP-HZN-2179MDL04895785

BPD344-096217

TREX 011140.0001





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BP-HZN-2179MDL04895786

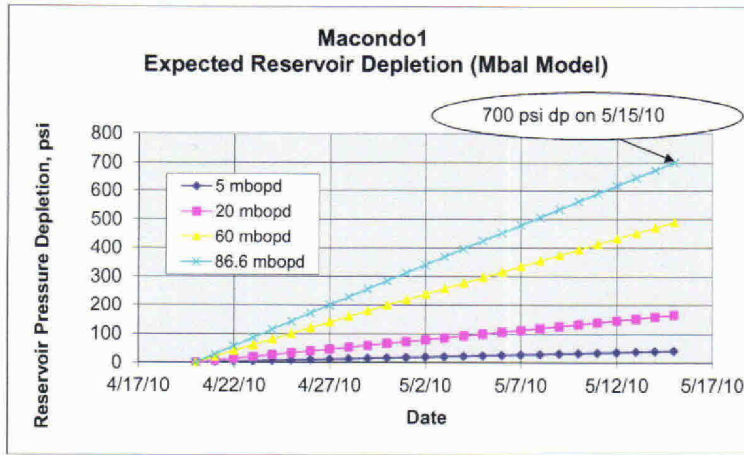
BPD344-096218

TREX 011140.0005





Date	Pr (psi) for 5k B/D	Pr (psi) for 20k B/D	Pr (psi) for 60k B/D	Pr (psi) for 86.6k B/D	5 mbopd	20 mbopd	60 mbopd	86.6 mbopd
4/20/2010	11850	11850	11850	11850	0	0	0	0
4/21/2010	11848.3	11843.3	11830	11821.2	2	7	20	29
4/22/2010	11846.7	11836.7	11810.1	11792.5	3	13	40	58
4/23/2010	11845	11830.1	11790.3	11763.9	5	20	60	86
4/24/2010	11843.4	11823.4	11770.4	11735.3	7	27	80	115
4/25/2010	11841.7	11816.8	11750.6	11706.8	8	33	99	143
4/26/2010	11840	11810.2	11730.8	11678.3	10	40	119	172
4/27/2010	11838.4	11803.5	11711.1	11650	12	47	139	200
4/28/2010	11836.7	11796.9	11691.4	11621.6	13	53	159	228
4/29/2010	11835.1	11790.3	11671.7	11593.4	15	60	178	257
4/30/2010	11833.4	11783.7	11652	11565.2	17	66	198	285
5/1/2010	11831.7	11777.1	11632.4	11537	18	73	218	313
5/2/2010	11830.1	11770.5	11612.8	11509	20	80	237	341
5/3/2010	11828.4	11763.9	11593.2	11480.9	22	86	257	369
5/4/2010	11826.8	11757.3	11573.7	11453	23	93	276	397
5/5/2010	11825.1	11750.7	11554.1	11425.1	25	99	296	425
5/6/2010	11823.4	11744.1	11534.7	11397.3	27	106	315	453
5/7/2010	11821.8	11737.5	11515.2	11369.5	28	113	335	481
5/8/2010	11820.1	11730.9	11495.8	11341.8	30	119	354	508
5/9/2010	11818.5	11724.3	11476.4	11314.1	32	126	374	536
5/10/2010	11816.8	11717.7	11457	11286.6	33	132	393	563
5/11/2010	11815.1	11711.1	11437.7	11259	35	139	412	591
5/12/2010	11813.5	11704.5	11418.4	11231.6	37	146	432	618
5/13/2010	11811.8	11698	11399.1	11204.2	38	152	451	646
5/14/2010	11810.2	11691.4	11379.8	11176.8	40	159	470	673
5/15/2010	11808.5	11684.8	11360.6	11149.6	42	165	489	700



 # PRODUCTION PREDICTION - TANK RESULTS #
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 . Stream : Qo=5000 B/D .

Time (date m/d/)	Tank Pressure (psig)	Oil Rate (STB/day)	Gas Rate (MMscf/day)
4/20/2010	11850	5000	15
4/21/2010	11848.3	5000	15
4/22/2010	11846.7	5000	15
4/23/2010	11845	5000	15
4/24/2010	11843.4	5000	15
4/25/2010	11841.7	5000	15
4/26/2010	11840	5000	15
4/27/2010	11838.4	5000	15
4/28/2010	11836.7	5000	15
4/29/2010	11835.1	5000	15
4/30/2010	11833.4	5000	15
5/1/2010	11831.7	5000	15
5/2/2010	11830.1	5000	15
5/3/2010	11828.4	5000	15
5/4/2010	11826.8	5000	15
5/5/2010	11825.1	5000	15
5/6/2010	11823.4	5000	15
5/7/2010	11821.8	5000	15
5/8/2010	11820.1	5000	15
5/9/2010	11818.5	5000	15
5/10/2010	11816.8	5000	15
5/11/2010	11815.1	5000	15
5/12/2010	11813.5	5000	15
5/13/2010	11811.8	5000	15
5/14/2010	11810.2	5000	15
5/15/2010	11808.5	5000	15

 # PRODUCTION PREDICTION - TANK RESULTS #
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 . Stream : Qo=20000 B/D .

Time (date m/d/)	Tank Pressure (psig)	Oil Rate (STB/day)	Gas Rate (MMscf/day)
4/20/2010	11850	20000	60
4/21/2010	11843.3	20000	60
4/22/2010	11836.7	20000	60
4/23/2010	11830.1	20000	60
4/24/2010	11823.4	20000	60
4/25/2010	11816.8	20000	60
4/26/2010	11810.2	20000	60
4/27/2010	11803.5	20000	60
4/28/2010	11796.9	20000	60
4/29/2010	11790.3	20000	60
4/30/2010	11783.7	20000	60
5/1/2010	11777.1	20000	60
5/2/2010	11770.5	20000	60
5/3/2010	11763.9	20000	60
5/4/2010	11757.3	20000	60
5/5/2010	11750.7	20000	60
5/6/2010	11744.1	20000	60
5/7/2010	11737.5	20000	60
5/8/2010	11730.9	20000	60
5/9/2010	11724.3	20000	60
5/10/2010	11717.7	20000	60
5/11/2010	11711.1	20000	60
5/12/2010	11704.5	20000	60
5/13/2010	11698	20000	60
5/14/2010	11691.4	20000	60
5/15/2010	11684.8	20000	60

 # PRODUCTION PREDICTION - TANK RESULTS #
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 . Stream : Qo=60000 B/D .

Time (date m/d/)	Tank Pressure (psig)	Oil Rate (STB/day)	Gas Rate (MMscf/day)
4/20/2010	11850	60000	180
4/21/2010	11830	60000	180
4/22/2010	11810.1	60000	180
4/23/2010	11790.3	60000	180
4/24/2010	11770.4	60000	180
4/25/2010	11750.6	60000	180
4/26/2010	11730.8	60000	180
4/27/2010	11711.1	60000	180
4/28/2010	11691.4	60000	180
4/29/2010	11671.7	60000	180
4/30/2010	11652	60000	180
5/1/2010	11632.4	60000	180
5/2/2010	11612.8	60000	180
5/3/2010	11593.2	60000	180
5/4/2010	11573.7	60000	180
5/5/2010	11554.1	60000	180
5/6/2010	11534.7	60000	180
5/7/2010	11515.2	60000	180
5/8/2010	11495.8	60000	180
5/9/2010	11476.4	60000	180
5/10/2010	11457	60000	180
5/11/2010	11437.7	60000	180
5/12/2010	11418.4	60000	180
5/13/2010	11399.1	60000	180
5/14/2010	11379.8	60000	180
5/15/2010	11360.6	60000	180

 # PRODUCTION PREDICTION - TANK RESULTS #
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 . Stream : Qo=86600 B/D .

Time (date m/d/)	Tank Pressure (psig)	Oil Rate (STB/day)	Gas Rate (MMscf/day)
4/20/2010	11850	86600	259.8
4/21/2010	11821.2	86600	259.8
4/22/2010	11792.5	86600	259.8
4/23/2010	11763.9	86600	259.8
4/24/2010	11735.3	86600	259.8
4/25/2010	11706.8	86600	259.8
4/26/2010	11678.3	86600	259.8
4/27/2010	11650	86600	259.8
4/28/2010	11621.6	86600	259.8
4/29/2010	11593.4	86600	259.8
4/30/2010	11565.2	86600	259.8
5/1/2010	11537	86600	259.8
5/2/2010	11509	86600	259.8
5/3/2010	11480.9	86600	259.8
5/4/2010	11453	86600	259.8
5/5/2010	11425.1	86600	259.8
5/6/2010	11397.3	86600	259.8
5/7/2010	11369.5	86600	259.8
5/8/2010	11341.8	86600	259.8
5/9/2010	11314.1	86600	259.8
5/10/2010	11286.6	86600	259.8
5/11/2010	11259	86600	259.8
5/12/2010	11231.6	86600	259.8
5/13/2010	11204.2	86600	259.8
5/14/2010	11176.8	86600	259.8
5/15/2010	11149.6	86600	259.8

