

Stogner, Michael, EMNRD

From: Stogner, Michael, EMNRD
To: Ocean Munds-Dry
Cc: Arrant, Bryan, EMNRD
Subject: San Saba "A" 12 Fee Well No. 1H (30-015-34476)
Attachments:

Sent: Wed 8/23/2006 10:33 AM

RE: pTDS0-616731100

Ms. Ocean Munds-Dry

Please provide me a copy of the actual directional survey of EOG's recently drilled (spud date: 06/06/06) San Saba "A" 12 Fee Well No. 2H (30-015-34479). Thanks.

 Attachments can contain viruses that may harm your computer. Attachments may not display correctly.

Stogner, Michael, EMNRD

From: Ocean Munds-Dry [Omundsdry@hollandhart.com] **Sent:** Wed 8/30/2006 8:23 AM
To: Stogner, Michael, EMNRD
Cc:
Subject: FW: San Saba "A" 12 Fee Well No. 1H (30-015-34476)
Attachments:  San Saba A 12 Fee #2H Final Survey.txt(19KB)

Here you go...

From: Donny_Glanton@eogresources.com [mailto:Donny_Glanton@eogresources.com]
Sent: Wednesday, August 30, 2006 8:22 AM
To: Ocean Munds-Dry
Subject: Fw: San Saba "A" 12 Fee Well No. 1H (30-015-34476)

Ocean,

As per your request, please find the attached directional survey.

Let me know if you need anything further.

Thanks,
Donny G. Glanton

Good morning Donny:

See below.....

From: Stogner, Michael, EMNRD [mailto:michael.stogner@state.nm.us]
Sent: Wednesday, August 23, 2006 10:33 AM
To: Ocean Munds-Dry
Cc: Arrant, Bryan, EMNRD
Subject: San Saba "A" 12 Fee Well No. 1H (30-015-34476)

RE: pTDS0-616731100

Ms. Ocean Munds-Dry

Please provide me a copy of the actual directional survey of EOG's recently drilled (spud date: 06/06/06) San Saba "A" 12 Fee Well No. 2H (30-015-34479). Thanks.

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Date: 7/6/2006

Time: 11:02 pm

Wellpath ID: 201000034 WT-WT

Date Created: 6/25/2006

Last Revision: 7/6/2006

Survey Report

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 268.20 deg.

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

EOG RESOURCES
COTTONWOOD CREEK
KEY #463
SAN SABA A 12 FEE #2
201000034 WT-WT

DECL: 8.77° EAST FROM GRID NORTH
KBH : 17.0' (GROUND LEVEL - ROTARY TABLE)

PATHFINDER OFFICE SUPERVISORS:
CODY MEBANE
PATHFINDER FIELD ENGINEERS:
PATRICK OKIMI

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)	Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
TIE INTO GYRO SURVEY:									
4159.00	0.69	72.31	4150.29	0.00	140.28	64.42 S	152.59 @	245.03	0.00
THE FOLLOWING ARE PATHFINDER ENERGY MWD SURVEYS:									
4186.00	4.40	256.10	4177.27	27.00	141.13	64.62 S	153.44 @	245.09	18.85
4218.00	9.58	256.10	4209.02	32.00	144.94	65.55 S	157.26 @	245.36	16.19
4249.00	14.60	256.54	4239.32	31.00	151.29	67.08 S	163.64 @	245.80	16.20
4281.00	19.35	261.37	4269.92	32.00	160.51	68.82 S	172.73 @	246.52	15.47
4313.00	23.48	264.18	4299.71	32.00	172.14	70.26 S	183.96 @	247.55	13.30
4344.00	26.64	265.50	4327.78	31.00	185.25	71.43 S	196.53 @	248.69	10.35

4376.00	29.90	266.73	4355.96	32.00	200.39	72.45 S	198.21 W	211.04 @ 249.92	10.35
4408.00	32.80	267.52	4383.29	32.00	217.03	73.28 S	214.84 W	226.99 @ 251.16	9.15
4439.00	35.53	270.07	4408.94	31.00	234.44	73.64 S	232.24 W	243.63 @ 252.41	9.94
4471.00	39.04	270.69	4434.39	32.00	253.80	73.50 S	251.62 W	262.13 @ 253.72	11.03
4503.00	42.74	270.25	4458.58	32.00	274.73	73.33 S	272.56 W	282.25 @ 254.94	11.60
4534.00	46.08	269.46	4480.72	31.00	296.41	73.39 S	294.25 W	303.27 @ 255.99	10.92
4566.00	49.51	269.63	4502.22	32.00	320.10	73.58 S	317.95 W	326.35 @ 256.97	10.73
4598.00	52.85	269.63	4522.27	32.00	345.03	73.74 S	342.88 W	350.72 @ 257.86	10.44
4630.00	56.89	270.77	4540.69	32.00	371.17	73.64 S	369.04 W	376.32 @ 258.71	12.96
4661.00	60.23	270.07	4556.85	31.00	397.60	73.45 S	395.49 W	402.25 @ 259.48	10.94
4693.00	63.84	270.60	4571.86	32.00	425.84	73.29 S	423.75 W	430.04 @ 260.19	11.38
Pathfinder									
Survey Report									
Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)	Closure		
							Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
4725.00	67.09	270.25	4585.14	32.00	454.92	73.07 S	452.85 W	458.71 @ 260.83	10.20
4757.00	68.59	269.37	4597.21	32.00	484.55	73.17 S	482.49 W	488.00 @ 261.38	5.33
4788.00	71.40	269.10	4607.82	31.00	513.67	73.56 S	511.61 W	516.87 @ 261.82	9.10
4820.00	73.16	268.84	4617.56	32.00	544.15	74.11 S	542.09 W	547.13 @ 262.22	5.55
4852.00	75.27	267.26	4626.26	32.00	574.94	75.16 S	572.86 W	577.77 @ 262.53	8.13
4884.00	77.56	267.26	4633.78	32.00	606.03	76.64 S	603.93 W	608.77 @ 262.77	7.16
4916.00	82.22	266.29	4639.39	32.00	637.52	78.42 S	635.37 W	640.19 @ 262.96	14.86
4948.00	86.70	266.38	4642.48	32.00	669.34	80.45 S	667.15 W	671.98 @ 263.12	14.00
4980.00	90.75	264.45	4643.19	32.00	701.29	83.01 S	699.03 W	703.94 @ 263.23	14.02
5012.00	90.40	263.30	4642.87	32.00	733.20	86.42 S	730.84 W	735.94 @ 263.26	3.76
5044.00	89.78	263.66	4642.82	32.00	765.09	90.06 S	762.64 W	767.94 @ 263.27	2.24
5075.00	91.19	264.36	4642.56	31.00	796.00	93.29 S	793.46 W	798.93 @ 263.29	5.08
5107.00	91.19	264.36	4641.89	32.00	827.92	96.44 S	825.30 W	830.92 @ 263.34	0.00
5139.00	92.07	266.29	4640.98	32.00	859.87	99.04 S	857.18 W	862.88 @ 263.41	6.63
5171.00	92.07	266.38	4639.83	32.00	891.83	101.09 S	889.10 W	894.82 @ 263.51	0.28
5203.00	93.83	268.31	4638.18	32.00	923.78	102.57 S	921.02 W	926.71 @ 263.65	8.16

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Date: 7/6/2006

5235.00	90.22	267.00	4637.05	32.00	955.76	103.88 S	952.96 W	958.61 @ 263.78	12.00
5266.00	89.08	268.23	4637.24	31.00	986.75	105.17 S	983.93 W	989.54 @ 263.90	5.41
5298.00	90.22	269.72	4637.44	32.00	1018.75	105.74 S	1015.93 W	1021.42 @ 264.06	5.86
5330.00	94.35	272.00	4636.16	32.00	1050.68	105.26 S	1047.89 W	1053.16 @ 264.26	14.74
5362.00	91.80	270.86	4634.44	32.00	1082.58	104.46 S	1079.83 W	1084.87 @ 264.47	8.73
5394.00	92.07	270.95	4633.36	32.00	1114.52	103.96 S	1111.81 W	1116.66 @ 264.66	0.89
5426.00	90.31	269.46	4632.70	32.00	1146.50	103.84 S	1143.80 W	1148.50 @ 264.81	7.21
5457.00	91.63	270.60	4632.17	31.00	1177.47	103.83 S	1174.79 W	1179.37 @ 264.95	5.63
5489.00	92.59	270.95	4631.00	32.00	1209.42	103.40 S	1206.77 W	1211.19 @ 265.10	3.19
5521.00	92.59	271.04	4629.55	32.00	1241.35	102.84 S	1238.73 W	1242.99 @ 265.25	0.28
5552.00	92.51	272.36	4628.17	31.00	1272.26	101.92 S	1269.69 W	1273.77 @ 265.41	4.26
5584.00	90.66	270.95	4627.29	32.00	1304.19	101.00 S	1301.66 W	1305.57 @ 265.56	7.27
5616.00	91.54	272.71	4626.67	32.00	1336.12	99.98 S	1333.63 W	1337.38 @ 265.71	6.15
5648.00	90.75	271.92	4626.03	32.00	1368.03	98.68 S	1365.60 W	1369.16 @ 265.87	3.49
5680.00	91.19	272.80	4625.49	32.00	1399.94	97.37 S	1397.57 W	1400.96 @ 266.01	3.07
5712.00	89.78	271.83	4625.22	32.00	1431.85	96.07 S	1429.54 W	1432.77 @ 266.16	5.35
5744.00	88.37	270.42	4625.74	32.00	1463.81	95.45 S	1461.53 W	1464.64 @ 266.26	6.23
5776.00	88.72	270.60	4626.55	32.00	1495.77	95.16 S	1493.52 W	1496.55 @ 266.35	1.23
5807.00	89.60	270.33	4627.00	31.00	1526.74	94.91 S	1524.51 W	1527.46 @ 266.44	2.97
5839.00	93.21	272.71	4626.22	32.00	1558.67	94.06 S	1556.48 W	1559.32 @ 266.54	13.51
5871.00	94.26	273.06	4624.13	32.00	1590.50	92.46 S	1588.37 W	1591.06 @ 266.67	3.46
5903.00	93.83	271.48	4621.88	32.00	1622.33	91.19 S	1620.27 W	1622.83 @ 266.78	5.11
5935.00	91.71	270.16	4620.33	32.00	1654.26	90.73 S	1652.23 W	1654.72 @ 266.86	7.80
5966.00	93.30	271.39	4618.97	31.00	1685.20	90.32 S	1683.19 W	1685.61 @ 266.93	6.48



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Wellpath ID: 201000034 WT-WT

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L		Closure		DLS
						Rectangular Offsets (ft)	(ft)	Dist. (ft)	Dir. (deg.)	(dg/100ft)
5998.00	93.65	270.86	4617.04	32.00	1717.10	89.69 S	1715.13 W	1717.47 @ 267.01		1.98
6030.00	94.00	271.04	4614.90	32.00	1748.99	89.16 S	1747.05 W	1749.32 @ 267.08		1.23
6062.00	94.35	271.13	4612.57	32.00	1780.86	88.55 S	1778.96 W	1781.16 @ 267.15		1.13

6094.00	91.98	271.21	4610.80	32.00	1812.77	87.90 S	1810.90 W	1813.03 @ 267.22	7.41
6126.00	90.75	271.48	4610.04	32.00	1844.71	87.15 S	1842.88 W	1844.94 @ 267.29	3.94
6158.00	90.48	270.69	4609.70	32.00	1876.67	86.55 S	1874.88 W	1876.87 @ 267.36	2.61
6190.00	90.48	270.86	4609.43	32.00	1908.64	86.11 S	1906.87 W	1908.82 @ 267.41	0.53
6221.00	89.78	269.28	4609.36	31.00	1939.62	86.07 S	1937.87 W	1939.78 @ 267.46	5.57
6253.00	90.31	269.37	4609.34	32.00	1971.61	86.45 S	1969.87 W	1971.76 @ 267.49	1.68
6285.00	90.84	270.77	4609.01	32.00	2003.59	86.41 S	2001.87 W	2003.73 @ 267.53	4.68
6317.00	91.98	271.13	4608.23	32.00	2035.55	85.88 S	2033.85 W	2035.66 @ 267.58	3.74
6349.00	89.16	269.37	4607.91	32.00	2067.52	85.74 S	2065.84 W	2067.62 @ 267.62	10.39
6381.00	88.72	269.02	4608.50	32.00	2099.51	86.19 S	2097.84 W	2099.61 @ 267.65	1.76
6419.00	89.43	269.48	4609.11	38.00	2137.50	86.69 S	2135.83 W	2137.59 @ 267.68	2.23
6451.00	90.48	270.10	4609.14	32.00	2169.48	86.81 S	2167.83 W	2169.56 @ 267.71	3.81
6482.00	90.22	270.14	4608.95	31.00	2200.47	86.74 S	2198.83 W	2200.54 @ 267.74	0.85
6514.00	90.92	270.36	4608.63	32.00	2232.44	86.60 S	2230.82 W	2232.50 @ 267.78	2.29
6547.00	91.63	271.56	4607.90	33.00	2265.40	86.05 S	2263.81 W	2265.45 @ 267.82	4.22
6578.00	92.24	272.28	4606.85	31.00	2296.31	85.01 S	2294.77 W	2296.35 @ 267.88	3.04
6610.00	92.15	272.43	4605.62	32.00	2328.21	83.70 S	2326.72 W	2328.23 @ 267.94	0.55
6642.00	91.36	271.65	4604.64	32.00	2360.12	82.56 S	2358.69 W	2360.13 @ 268.00	3.47
6673.00	91.36	271.30	4603.91	31.00	2391.06	81.76 S	2389.67 W	2391.07 @ 268.04	1.13
6705.00	90.75	271.48	4603.32	32.00	2423.00	80.99 S	2421.65 W	2423.01 @ 268.08	1.99
6737.00	90.31	271.53	4603.02	32.00	2454.95	80.15 S	2453.64 W	2454.95 @ 268.13	1.38
6769.00	91.71	271.29	4602.46	32.00	2486.89	79.36 S	2485.63 W	2486.89 @ 268.17	4.44
6801.00	91.80	271.51	4601.48	32.00	2518.83	78.58 S	2517.60 W	2518.83 @ 268.21	0.74
6833.00	91.63	271.88	4600.52	32.00	2550.75	77.63 S	2549.57 W	2550.76 @ 268.26	1.27
STRAIGHT LINE PROJECTION TO BIT DEPTH @ 6897.5' MD									
6897.50	91.63	271.88	4598.69	64.50	2615.09	75.51 S	2614.01 W	2615.10 @ 268.35	0.00

□=

Surface Elev. 1805'FWL - 660'FWL

@ DNK

660'FWL
+ 26'14' WSP

1805'FWL
+ 76' SOD

3274'FWL →

5288
- 3274
2006'FWL