

District I
1825 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease-4 Copies
Fee Lease-3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34478	Pool Code 75260	Pool Name Cottonwood Creek; Wolfcamp, West (Gas)
Property Code 35294	Property Name SAN SABA B 12 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES	Elevation 3545'

Surface Location

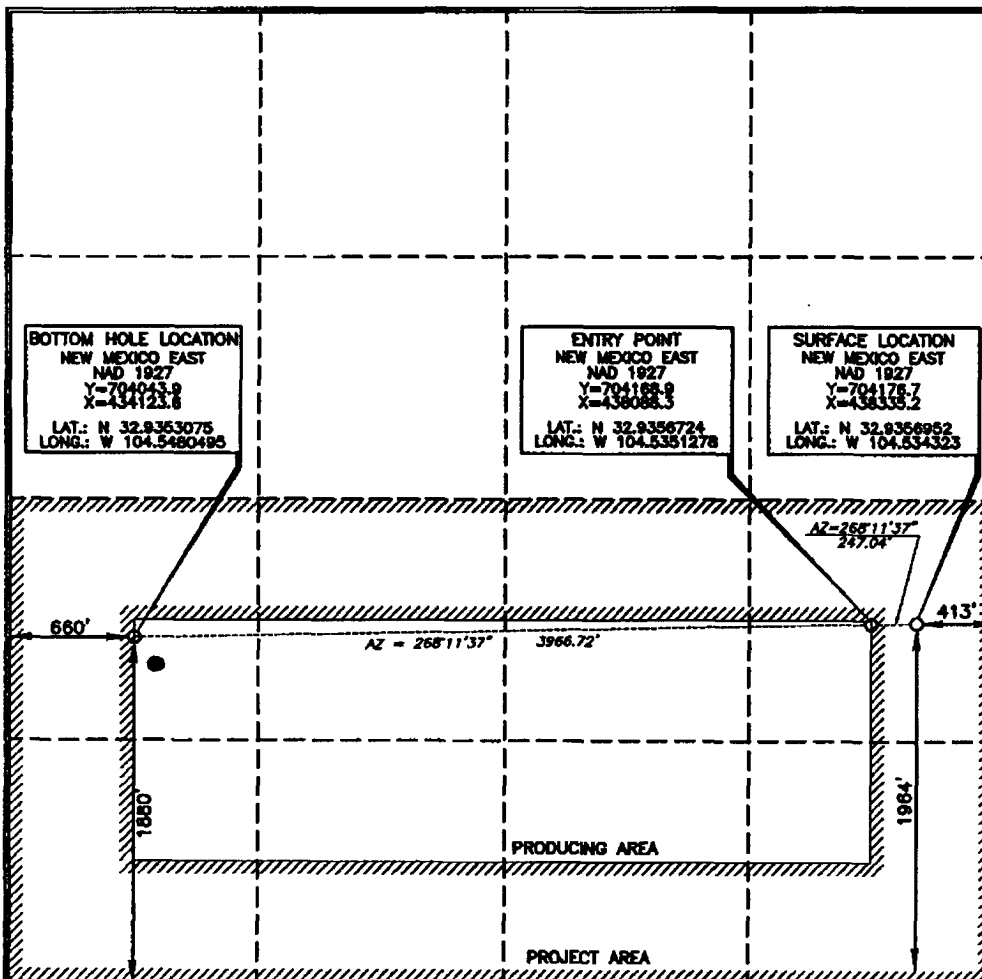
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	16 SOUTH	24 EAST, N.M.P.M.		1964	SOUTH	413	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	16 SOUTH	24 EAST, N.M.P.M.		1619	SOUTH	759	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 11/30/06
Signature Date

Stan Wagner
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

15079
DECEMBER 7, 2005
Date of Survey

Signature of Seal of Professional Surveyor

Terry J. Paul 12/14/05
Certificate Number 15079

WOF 051122ML-b (cde)

EOG - Midland (3)

Thames

San Saba B 12 Fee #1H
San Saba B 12 Fee #1H
San Saba B 12 Fee #1H

Survey: Gyro

Standard Survey Report

, 16 October, 2006



EOG RESOURCES INC.

Survey Report

Company:	EOG - Midland (3)	Local Co-ordinate Reference:	Well San Saba B 12 Fee #1H
Project:	Thames	TVD Reference:	WELL @ 3563.00ft (Original Well Elev)
Site:	San Saba B 12 Fee #1H	MD Reference:	WELL @ 3563.00ft (Original Well Elev)
Well:	San Saba B 12 Fee #1H	North Reference:	Grid
Wellbore:	San Saba B 12 Fee #1H	Survey Calculation Method:	Minimum Curvature
Design:	San Saba B 12 Fee #1H	Database:	EDM

Project	Thames	System Datum:	Ground Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	San Saba B 12 Fee #1H		
Site Position:		North:	32° 56' 8.503 N
From:	Map	East:	104° 32' 3.563 W
Position Uncertainty:	0.00 ft	Slot Radius:	-0.11 °
		Grid Convergence:	

Well	San Saba B 12 Fee #1H		
Well Position	+N/-S	North:	32° 56' 8.503 N
	+E/-W	East:	104° 32' 3.563 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,545.00 ft
		Ground Level:	

Wellbore	San Saba B 12 Fee #1H		
Magnetics	IGRF2005	Sample Date	10/5/2006
		Declination (°)	8.62
		Dip Angle (°)	60.77
		Field Strength (nT)	49,360

Design San Saba B 12 Fee #1H

Audit Notes:

Version: 1.0

Phase:

Tie On Depth:

Vertical Section:

Depth From (TVD)

+E/-W

Direction

(ft)

(ft)

(°)

268.19

Survey Program

Date

10/16/2006

From (ft)

To (ft)

Survey (Wellbore)

Tool Name

Description

100.00 3,910.00 Gyro (San Saba B 12 Fee #1H)

Survey

Measured

Depth

(ft)

Vertical Depth

(ft)

Vertical

Section

(ft)

Dogleg

Rate

(°/100ft)

Build

Rate

(°/100ft)

Turn

Rate

(°/100ft)

0.00

100.00

200.00

300.00

400.00

500.00

600.00

700.00

800.00

900.00

1,000.00

1,100.00

1,200.00

0.00

0.49

1.37

1.46

1.61

2.43

2.19

1.83

1.32

1.60

1.59

1.56

1.58

0.00

265.08

315.17

274.65

264.18

249.56

263.36

263.90

247.19

232.30

224.36

228.91

235.31

0.00

100.00

199.99

299.96

399.92

499.86

599.78

699.72

799.68

899.65

999.61

1,099.57

1,199.53

0.00

-0.04

0.78

1.73

1.69

0.81

-0.16

-0.55

-1.16

-2.46

-4.30

-6.19

-7.87

0.00

-0.42

-1.69

-3.81

-6.47

-9.86

-13.75

-17.23

-19.88

-22.04

-24.11

-26.11

-28.27

0.00

0.42

1.67

3.75

6.42

9.83

13.75

17.24

19.90

22.11

24.24

26.29

28.51

0.00

0.49

1.12

0.98

0.32

0.96

0.61

0.36

0.68

0.47

0.22

0.13

0.18

0.00

0.49

0.89

0.08

0.15

0.82

-0.25

-0.36

-0.51

0.28

-0.01

-0.03

0.02

0.00

0.00

50.10

-40.52

-10.48

-14.62

13.80

0.54

-16.71

-14.90

-7.93

4.55

6.40

10/16/2006 3:14:11PM

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COMPASS 2003.14 Build 57

EOG RESOURCES INC.

Survey Report

Company: EOG - Midland (3)
Project: Thames
Site: San Saba B 12 Fee #1H
Well: San Saba B 12 Fee #1H
Wellbore: San Saba B 12 Fee #1H
Design: San Saba B 12 Fee #1H

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well San Saba B 12 Fee #1H
 WELL @ 3563.00ft (Original Well Elev)
 WELL @ 3563.00ft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,300.00	1.45	240.09	1,299.50	-9.29	-30.51	30.78	0.18	-0.13	4.79
1,400.00	1.59	241.05	1,399.46	-10.59	-32.82	33.13	0.14	0.13	0.96
1,500.00	1.55	247.55	1,499.43	-11.78	-35.27	35.63	0.18	-0.04	6.50
1,600.00	1.49	252.55	1,599.39	-12.68	-37.76	38.14	0.14	-0.06	5.00
1,700.00	1.49	246.09	1,699.36	-13.60	-40.19	40.60	0.17	0.00	-6.46
1,800.00	1.16	253.93	1,799.33	-14.41	-42.35	42.78	0.38	-0.33	7.84
1,900.00	1.13	267.43	1,899.31	-14.73	-44.30	44.75	0.27	-0.03	13.50
2,000.00	0.91	281.46	1,999.30	-14.62	-46.07	46.51	0.33	-0.22	14.02
2,100.00	0.88	280.40	2,099.28	-14.32	-47.61	48.04	0.03	-0.03	-1.05
2,200.00	0.93	287.42	2,199.27	-13.94	-49.14	49.56	0.12	0.05	7.02
2,300.00	0.90	282.88	2,299.26	-13.52	-50.69	51.09	0.08	-0.03	-4.55
2,400.00	0.92	287.30	2,399.24	-13.10	-52.22	52.61	0.07	0.02	4.43
2,500.00	0.92	282.84	2,499.23	-12.69	-53.77	54.14	0.07	0.00	-4.46
2,600.00	1.03	269.49	2,599.22	-12.52	-55.44	55.81	0.25	0.11	-13.35
2,700.00	1.13	259.13	2,699.20	-12.71	-57.31	57.68	0.22	0.10	-10.36
2,800.00	1.26	255.86	2,799.18	-13.16	-59.35	59.73	0.15	0.14	-3.27
2,900.00	1.29	253.63	2,899.15	-13.75	-61.49	61.90	0.06	0.02	-2.22
3,000.00	1.20	258.56	2,999.13	-14.27	-63.60	64.01	0.14	-0.09	4.93
3,100.00	1.11	256.76	3,099.11	-14.70	-65.56	65.99	0.09	-0.09	-1.80
3,200.00	0.86	255.73	3,199.09	-15.11	-67.23	67.68	0.25	-0.25	-1.02
3,300.00	0.90	247.16	3,299.08	-15.60	-68.69	69.15	0.14	0.04	-8.57
3,400.00	0.33	238.20	3,399.08	-16.06	-69.66	70.13	0.58	-0.57	-8.96
3,500.00	0.38	79.74	3,499.08	-16.15	-69.58	70.05	0.69	0.05	-158.46
3,600.00	0.69	83.73	3,599.07	-16.03	-68.65	69.13	0.32	0.32	3.99
3,700.00	1.35	85.59	3,699.06	-15.87	-66.88	67.35	0.66	0.66	1.86
3,800.00	1.35	89.95	3,799.03	-15.78	-64.53	64.99	0.10	0.00	4.36
3,900.00	0.88	93.53	3,899.01	-15.83	-62.59	63.06	0.47	-0.47	3.58
3,910.00	0.80	88.73	3,909.01	-15.83	-62.44	62.91	1.07	-0.80	-47.97

Targets

Target Name	Dip Angle	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL (San Saba B	0.00	0.00	4,611.00	-132.80	-4,211.60	704,043.90	434,123.60	32° 56' 7.107 N	104° 32' 52.978 W
- survey misses by 4209.75ft at 3910.00ft MD (3909.01 TVD, -15.83 N, -62.44 E)									
- Point									

Checked By:

Approved By:

Date:



Field: Thames Field
Site: San Saba B 12 Fee #1H
Well: San Saba B 12 Fee #1H
Wellpath: OH
Survey: Pathfinder MWD Survey

PATHFINDER

Survey: Pathfinder MWD Survey (San Saba B 12 Fee #1H/OH)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
58	7812.00	92.95	266.00	4573.62	-285.18	-3402.99	0.39	-12.51	3410.29
59	7907.00	93.30	266.17	4568.44	-291.65	-3497.63	0.41	25.87	3505.08
60	8002.00	92.51	266.52	4563.62	-297.70	-3592.31	0.91	156.12	3599.91
61	8098.00	90.92	264.41	4560.75	-305.29	-3687.96	2.75	-126.98	3695.75
62	8193.00	91.80	266.08	4558.50	-313.16	-3782.60	1.99	62.19	3790.59
63	8287.00	89.96	264.50	4557.05	-320.88	-3876.27	2.58	-139.34	3884.45
64	8456.00	90.92	263.80	4555.75	-338.10	-4044.38	0.70	-36.10	4053.03
65	8520.00	90.92	263.80	4554.73	-345.01	-4108.00	0.00	180.00	4116.83

SITE DETAILS
San Saba B 12 Fee #1H
Site Centre Northing: 704176.70
Easting: 438335.20
Ground Level: 3545.00
Positional Uncertainty: 0.00
Convergence: -0.11

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	4611.00	-132.80	-4211.60	Point

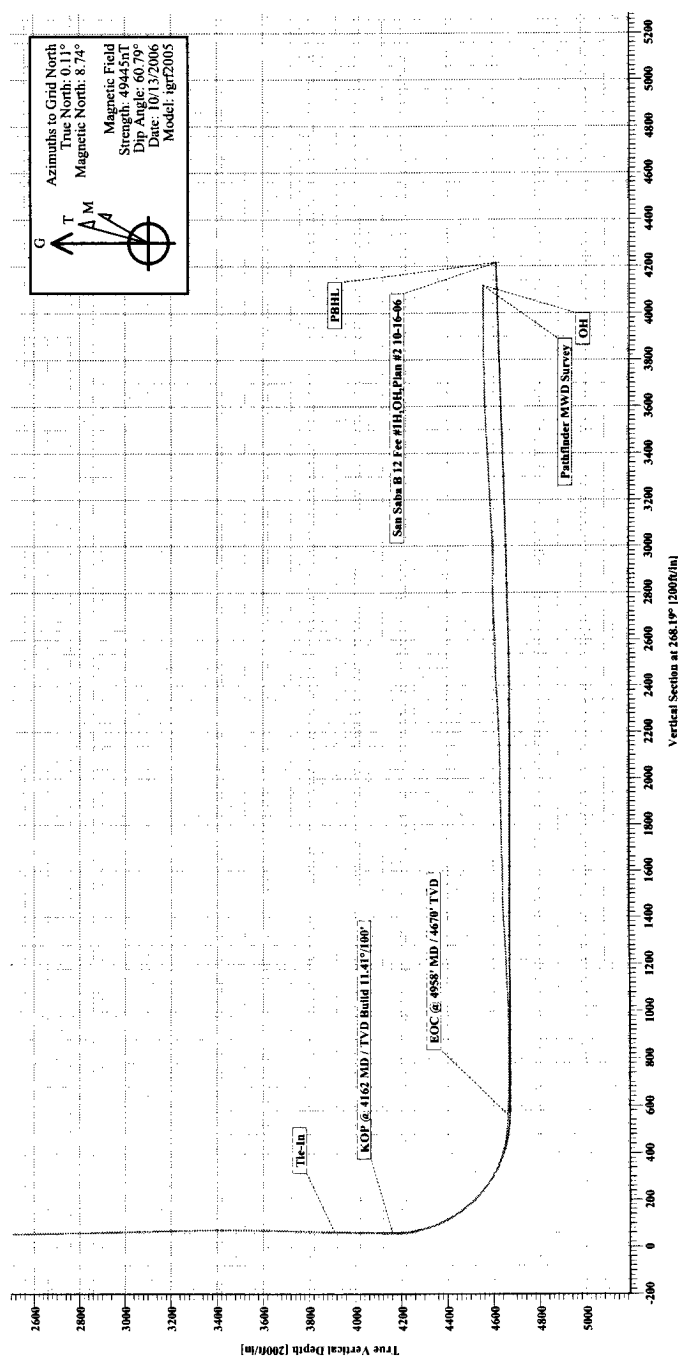
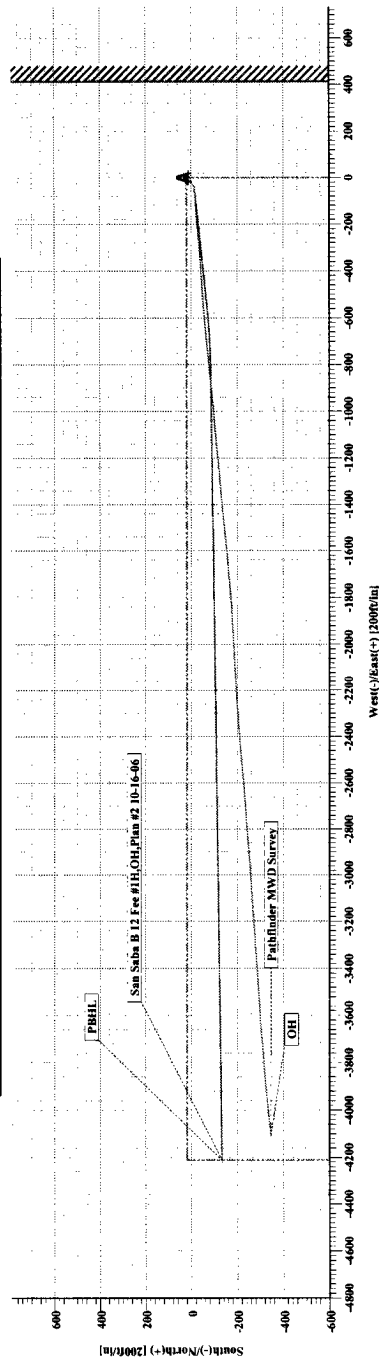
WELLPATH DETAILS

OH

Rig: SITE 3545.00ft
Ref. Datum:
V. Section Angle 268.19°
Origin +N/-S 0.00 0.00 0.00
Starting From TVD 0.00

ANNOTATIONS

No.	TVD	MD	Annotation
1	4160.94	4162.00	KOP @ 4162 MD / TVD Build 11.41°/100°
2	4601.51	4957.38	EOC @ 4958 MD / 4670 TVD
3	3909.01	3910.00	1E-In



Pathfinder Energy

Survey Report

Company: EOG Resources		Date: 10/23/2006		Time: 13:09:15		Page: 1	
Field: Thames Field		Co-ordinate(NE) Reference: Well: San Saba B 12 Fee #1H, Grid North					
Site: San Saba B 12 Fee #1H		Vertical (TVD) Reference: SITE 3545.0					
Well: San Saba B 12 Fee #1H		Section (VS) Reference: Well (0.00N,0.00E,268.19Azi)					
Wellpath: OH		Survey Calculation Method: Minimum Curvature				Db: Sybase	

Field: Thames Field Eddy, Co. NM USA		Map System: US State Plane Coordinate System 1927		Map Zone: New Mexico, Eastern Zone	
Geo Datum: NAD27 (Clarke 1866)		Coordinate System: Well Centre		Geomagnetic Model: igrf2005	
Sys Datum: Mean Sea Level					

Site: San Saba B 12 Fee #1H					
Site Position:		Northing: 704176.70 ft	Latitude: 32 56 8.503 N		
From: Map		Easting: 438335.20 ft	Longitude: 104 32 3.563 W		
Position Uncertainty: 0.00 ft			North Reference: Grid		
Ground Level: 3545.00 ft			Grid Convergence: -0.11 deg		

Well: San Saba B 12 Fee #1H		Slot Name:			
Well Position: +N/-S 0.00 ft		Northing: 704176.70 ft	Latitude: 32 56 8.503 N		
+E/-W 0.00 ft		Easting: 438335.20 ft	Longitude: 104 32 3.563 W		
Position Uncertainty: 0.00 ft					

Wellpath: OH		Drilled From: Surface	
Current Datum: SITE		Tie-on Depth: 0.00 ft	
Magnetic Data: 10/13/2006		Above System Datum: Mean Sea Level	
Field Strength: 49445 nT		Declination: 8.63 deg	
Vertical Section: Depth From (TVD)		Mag Dip Angle: 60.79 deg	
ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	268.19

Survey: Pathfinder MWD Survey		Start Date: 10/17/2006	
Company: Pathfinder Energy		Engineer: Midwellplan	
Tool:		Tied-to: From: Definitive Path	

Survey: Pathfinder MWD Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3910.00	0.80	88.73	3909.01	-15.83	-62.44	62.91	0.00	0.00	0.00	
4104.00	1.58	83.89	4102.96	-15.51	-58.43	58.89	0.41	0.40	-2.49	
4123.00	1.76	86.00	4121.96	-15.47	-57.88	58.34	1.00	0.95	11.11	
4155.00	1.14	83.27	4153.95	-15.39	-57.07	57.53	1.95	-1.94	-8.53	
4187.00	1.67	261.16	4185.94	-15.43	-57.22	57.67	8.78	1.66	555.91	
4218.00	5.28	260.72	4216.88	-15.73	-59.07	59.54	11.65	11.65	-1.42	
4249.00	9.32	260.55	4247.62	-16.37	-62.96	63.44	13.03	13.03	-0.55	
4281.00	13.01	263.80	4279.01	-17.19	-69.09	69.60	11.69	11.53	10.16	
4312.00	16.71	269.16	4308.97	-17.63	-77.02	77.54	12.72	11.94	17.29	
4344.00	20.22	269.07	4339.32	-17.78	-87.15	87.67	10.97	10.97	-0.28	
4375.00	23.57	267.40	4368.08	-18.15	-98.71	99.23	10.99	10.81	-5.39	
4406.00	27.08	267.14	4396.10	-18.79	-111.95	112.49	11.33	11.32	-0.84	
4438.00	30.60	267.31	4424.12	-19.53	-127.36	127.92	11.00	11.00	0.53	
4469.00	34.12	267.05	4450.30	-20.35	-143.93	144.50	11.36	11.35	-0.84	
4500.00	37.64	266.00	4475.42	-21.46	-162.07	162.66	11.53	11.35	-3.39	
4532.00	41.50	264.06	4500.08	-23.24	-182.37	183.01	12.66	12.06	-6.06	
4563.00	45.02	263.54	4522.65	-25.54	-203.48	204.19	11.41	11.35	-1.68	
4595.00	48.89	264.24	4544.49	-28.02	-226.73	227.50	12.20	12.09	2.19	
4626.00	52.85	264.68	4564.05	-30.34	-250.66	251.49	12.82	12.77	1.42	
4658.00	56.72	265.12	4582.50	-32.66	-276.70	277.59	12.15	12.09	1.37	
4689.00	60.50	265.47	4598.64	-34.83	-303.07	304.01	12.23	12.19	1.13	
4720.00	64.28	265.73	4613.01	-36.93	-330.45	331.45	12.22	12.19	0.84	
4752.00	68.32	265.73	4625.87	-39.11	-359.66	360.72	12.62	12.62	0.00	
4783.00	72.11	265.82	4636.36	-41.26	-388.75	389.86	12.23	12.23	0.29	

Pathfinder Energy

Survey Report

Company: EOG Resources
Field: Thames Field
Site: San Saba B 12 Fee #1H
Well: San Saba B 12 Fee #1H
Wellpath: OH

Date: 10/23/2006 **Time:** 13:09:15 **Page:** 2
Co-ordinate(NE) Reference: Well: San Saba B 12 Fee #1H, Grid North
Vertical (TVD) Reference: SITE 3545.0
Section (VS) Reference: Well (0.00N,0.00E,268.19Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4815.00	75.89	266.00	4645.18	-43.46	-419.43	420.59	11.82	11.81	0.56	
4846.00	80.02	266.26	4651.65	-45.50	-449.67	450.88	13.35	13.32	0.84	
4877.00	83.54	266.70	4656.08	-47.38	-480.29	481.54	11.44	11.35	1.42	
4942.00	87.85	265.20	4660.96	-51.96	-544.92	546.29	7.02	6.63	-2.31	
5037.00	89.16	264.33	4663.43	-60.63	-639.49	641.09	1.66	1.38	-0.92	
5131.00	90.31	264.76	4663.87	-69.56	-733.06	734.89	1.31	1.22	0.46	
5225.00	89.34	263.89	4664.16	-78.86	-826.60	828.68	1.39	-1.03	-0.93	
5320.00	90.13	263.89	4664.60	-88.97	-921.06	923.41	0.83	0.83	0.00	
5414.00	92.07	264.85	4662.79	-98.19	-1014.58	1017.17	2.30	2.06	1.02	
5508.00	93.12	265.03	4658.54	-106.47	-1108.12	1110.93	1.13	1.12	0.19	
5602.00	91.28	263.71	4654.93	-115.69	-1201.59	1204.64	2.41	-1.96	-1.40	
5697.00	93.74	265.38	4650.77	-124.71	-1296.06	1299.35	3.13	2.59	1.76	
5791.00	93.83	265.03	4644.56	-132.55	-1389.53	1393.01	0.38	0.10	-0.37	
5917.00	90.04	263.54	4640.31	-145.09	-1514.80	1518.62	3.23	-3.01	-1.18	
6011.00	92.07	265.20	4638.58	-154.31	-1608.32	1612.39	2.79	2.16	1.77	
6105.00	91.01	264.50	4636.05	-162.74	-1701.91	1706.19	1.35	-1.13	-0.74	
6200.00	91.10	265.20	4634.30	-171.27	-1796.51	1801.01	0.74	0.09	0.74	
6294.00	91.98	267.23	4631.77	-177.47	-1890.26	1894.92	2.35	0.94	2.16	
6388.00	90.84	266.61	4629.46	-182.52	-1984.10	1988.87	1.38	-1.21	-0.66	
6482.00	90.22	266.70	4628.59	-188.01	-2077.93	2082.83	0.67	-0.66	0.10	
6577.00	92.95	266.88	4625.96	-193.32	-2172.74	2177.75	2.88	2.87	0.19	
6671.00	91.80	265.38	4622.07	-199.66	-2266.44	2271.61	2.01	-1.22	-1.60	
6766.00	94.62	266.61	4616.75	-206.29	-2361.05	2366.38	3.24	2.97	1.29	
6861.00	91.19	265.20	4611.94	-213.06	-2455.67	2461.16	3.90	-3.61	-1.48	
6956.00	91.36	264.33	4609.82	-221.73	-2550.25	2555.97	0.93	0.18	-0.92	
7051.00	93.03	265.12	4606.18	-230.46	-2644.77	2650.72	1.94	1.76	0.83	
7146.00	92.51	266.35	4601.59	-237.51	-2739.39	2745.52	1.40	-0.55	1.29	
7242.00	90.31	265.12	4599.23	-244.65	-2835.09	2841.39	2.63	-2.29	-1.28	
7338.00	91.28	265.73	4597.90	-252.31	-2930.78	2937.27	1.19	1.01	0.64	
7433.00	93.30	266.43	4594.10	-258.80	-3025.47	3032.13	2.25	2.13	0.74	
7527.00	93.12	266.08	4588.84	-264.93	-3119.12	3125.92	0.42	-0.19	-0.37	
7622.00	93.56	265.64	4583.30	-271.77	-3213.71	3220.68	0.65	0.46	-0.46	
7717.00	92.59	266.08	4578.21	-278.62	-3308.33	3315.47	1.12	-1.02	0.46	
7812.00	92.95	266.00	4573.62	-285.18	-3402.99	3410.29	0.39	0.38	-0.08	
7907.00	93.30	266.17	4568.44	-291.65	-3497.63	3505.08	0.41	0.37	0.18	
8002.00	92.51	266.52	4563.62	-297.70	-3592.31	3599.91	0.91	-0.83	0.37	
8098.00	90.92	264.41	4560.75	-305.29	-3687.96	3695.75	2.75	-1.66	-2.20	
8193.00	91.80	266.08	4558.50	-313.16	-3782.60	3790.59	1.99	0.93	1.76	
8287.00	89.96	264.50	4557.05	-320.88	-3876.27	3884.45	2.58	-1.96	-1.68	
8456.00	90.92	263.80	4555.75	-338.10	-4044.38	4053.03	0.70	0.57	-0.41	
8520.00	90.92	263.80	4554.73	-345.01	-4108.00	4116.83	0.00	0.00	0.00	