

District I
1625 Hobbs, NM 88240
District II
1301 Artesia, NM 88210
District III
1000 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

Month - Year
MAR 27 2007
OCD - ARTESIA, NM

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 30-015-35499	Pool Code 75255	Pool Name COTTONWOOD CREEK; WOLFCAMP (gas), EAS
Property Code 36227	Property Name ZAMBESI "B" 12 FEE	Well Number 2H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3412'

Surface Location

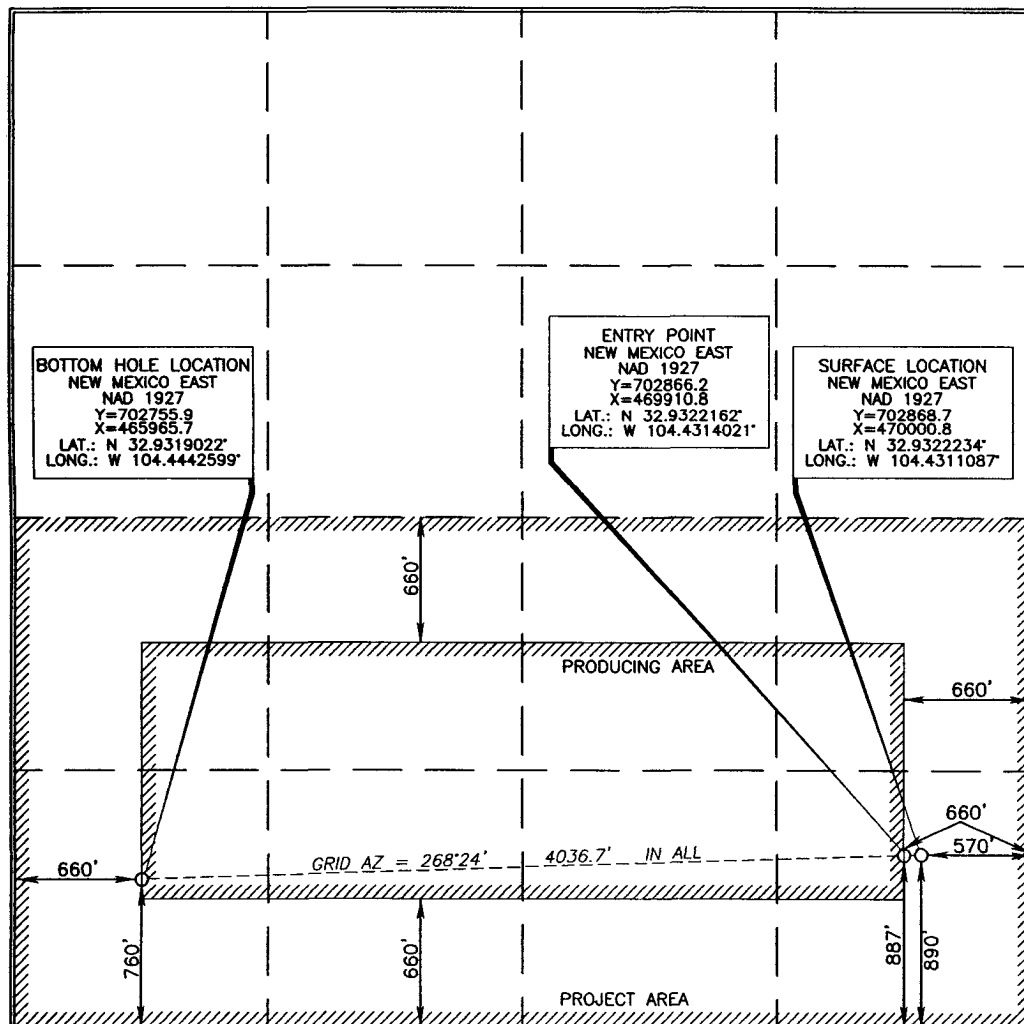
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	16 SOUTH	25 EAST, N.M.P.M.		890'	SOUTH	570'	EAST	EDDY

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
M	12	16 SOUTH	25 EAST, N.M.P.M.		760'	SOUTH	660'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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.

Donny G. Glanton 3/23/07
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

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

MARCH 16, 2007
Date of Survey

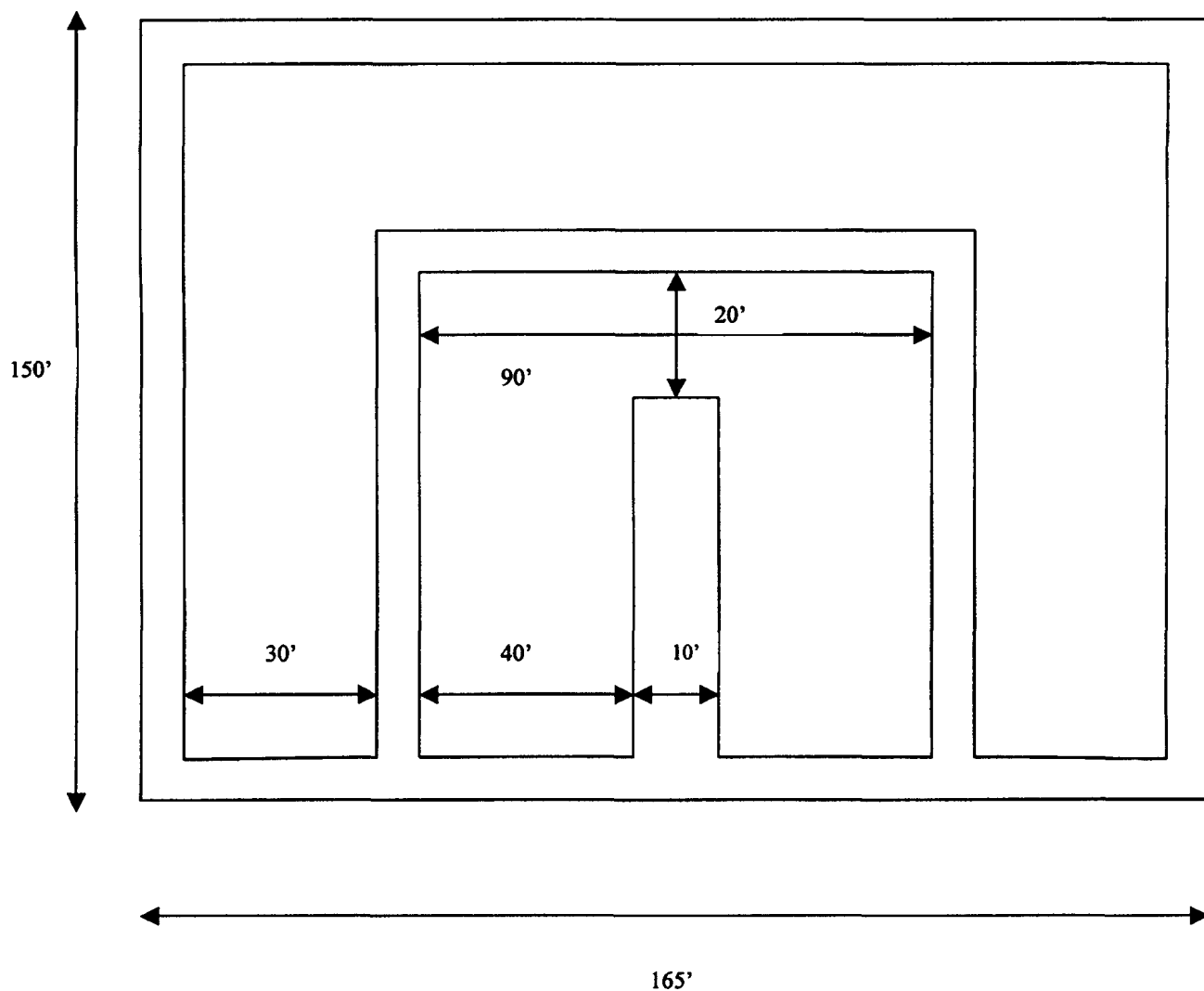
Signature and Seal of Professional Surveyor

Terry J. Orsini 3/21/2007
Certificate Number 15079

WO# 070316WL-e (JL)

New Mexico Double Horseshoe Reserve Pit Design

30-015-35498



Approximate Inside Reserve Volume: 4500 bbls
Approximate Outside Reserve Volume: 5800 bbls

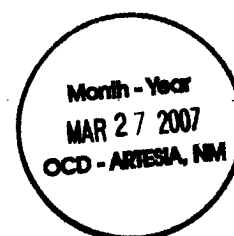
Permit Information:

Well Name: Zambesi B 12 Fee #2H

Location:

SL 890' FSL & 570' FEL, Section 12, T-16-S, R-25-E, Eddy Co., N.M.

BHL 760' FSL & 660' FWL, Section 12, T-16-S, R-25-E, Eddy Co., N.M.

**Casing Program:**

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,200'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,791'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
1,200'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,791'	400	Lead: Interfill C + 1/4 pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,200'	Fresh - Gel	8.6-8.8	28-34	N/c
1,200' - 4,800'	Cut Brine	8.8-9.2	28-34	N/c
4,800' - 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,478' - 8,791'	Polymer (Lateral)	9.0-9.4	40-45	10-20



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

March 23, 2007

State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Zambesi B 12 Fee #2H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H₂S bearing formations during drilling operations.

Sincerely,

A handwritten signature in black ink, appearing to read "J. LaGrega", written over the printed name.

Jason LaGrega
Drilling Engineer

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Zambesi B 12 Fee #2H
Well: Zambesi B 12 Fee #2H
Wellbore: Zambesi B 12 Fee #2H
Design: Original Plan

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

Well Zambesi B 12 Fee #2H
WELL @ 3431.00ft (Original Well Elev)
WELL @ 3431.00ft (Original Well Elev)
Grid
Minimum Curvature

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

Site	Zambesi B 12 Fee #2H		
Site Position:		Northing:	702,868.70ft
From:	Map	Easting:	470,000.80ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 55' 56.004 N
		Longitude:	104° 25' 51.991 W
		Grid Convergence:	-0.05 °

Well	Zambesi B 12 Fee #2H		
Well Position	+N/-S	0.00 ft	Northing: 702,868.70 ft
	+E/-W	0.00 ft	Easting: 470,000.80 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 55' 56.004 N
		Longitude:	104° 25' 51.991 W
		Ground Level:	3,412.00ft

Wellbore	Zambesi B 12 Fee #2H		
Magnetics	Model Name	Sample Date	Declination
	IGRF2005	3/23/2007	8.52
			Dip Angle
			60.77
			Field Strength
			49,324

Design	Original Plan		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	4,889.00	0.00	0.00
			Direction
			268.40

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,478.00	0.00	360.00	4,478.00	0.00	0.00	0.00	0.00	0.00	360.00	
5,235.12	90.00	268.40	4,960.00	-13.46	-481.81	11.89	11.89	0.00	268.40	
6,735.12	90.00	268.40	4,960.00	-55.34	-1,981.23	0.00	0.00	0.00	0.00	
6,802.19	92.01	268.40	4,958.82	-57.21	-2,048.25	3.00	3.00	0.00	-0.07	
8,790.63	92.01	268.40	4,889.01	-112.79	-4,034.69	0.00	0.00	0.00	0.00	
8,791.04	92.00	268.40	4,889.00	-112.80	-4,035.10	3.00	-2.93	0.63	167.98	BHL (Zambesi B #2)

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Zambesi B 12 Fee #2H
Well: Zambesi B 12 Fee #2H
Wellbore: Zambesi B 12 Fee #2H
Design: Original Plan

Local Co-ordinate Reference: Well Zambesi B 12 Fee #2H
TVD Reference: WELL @ 3431.00ft (Original Well Elev)
MD Reference: WELL @ 3431.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Buid Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	360.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	360.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	360.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	360.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	360.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	360.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	360.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	360.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	360.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	360.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	360.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	360.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	360.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	360.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	360.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	360.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	360.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	360.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	360.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	360.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	360.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	360.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	360.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	360.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	360.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	360.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	360.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	360.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	360.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	360.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	360.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	360.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	360.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	360.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	360.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	360.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	360.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	360.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	360.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	360.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	360.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	360.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	360.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	360.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,478.00	0.00	360.00	4,478.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	2.62	268.40	4,499.99	-0.01	-0.50	0.50	11.89	11.89	0.00
4,600.00	14.50	268.40	4,598.70	-0.43	-15.35	15.36	11.89	11.89	0.00
4,700.00	26.39	268.40	4,692.23	-1.40	-50.21	50.23	11.89	11.89	0.00
4,800.00	38.28	268.40	4,776.58	-2.89	-103.57	103.61	11.89	11.89	0.00
4,900.00	50.16	268.40	4,848.12	-4.84	-173.16	173.23	11.89	11.89	0.00
PP (Zambesi B #2H)									
5,000.00	62.05	268.40	4,903.78	-7.15	-255.99	256.09	11.89	11.89	0.00

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Zambesi B 12 Fee #2H
Well: Zambesi B 12 Fee #2H
Wellbore: Zambesi B 12 Fee #2H
Design: Original Plan

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

Well Zambesi B 12 Fee #2H
WELL @ 3431.00ft (Original Well Elev)
WELL @ 3431.00ft (Original Well Elev)
Grid
Minimum Curvature

Planned 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)
5,100.00	73.94	268.40	4,941.18	-9.73	-348.50	348.64	11.89	11.89	0.00
5,200.00	85.82	268.40	4,958.72	-12.48	-446.73	446.91	11.89	11.89	0.00
5,235.12	90.00	268.40	4,960.00	-13.46	-481.81	482.00	11.89	11.89	0.00
5,300.00	90.00	268.40	4,960.00	-15.27	-546.66	546.88	0.00	0.00	0.00
5,400.00	90.00	268.40	4,960.00	-18.06	-646.62	646.88	0.00	0.00	0.00
5,500.00	90.00	268.40	4,960.00	-20.85	-746.58	746.88	0.00	0.00	0.00
5,600.00	90.00	268.40	4,960.00	-23.65	-846.55	846.88	0.00	0.00	0.00
5,700.00	90.00	268.40	4,960.00	-26.44	-946.51	946.88	0.00	0.00	0.00
5,800.00	90.00	268.40	4,960.00	-29.23	-1,046.47	1,046.88	0.00	0.00	0.00
5,900.00	90.00	268.40	4,960.00	-32.02	-1,146.43	1,146.88	0.00	0.00	0.00
6,000.00	90.00	268.40	4,960.00	-34.81	-1,246.39	1,246.88	0.00	0.00	0.00
6,100.00	90.00	268.40	4,960.00	-37.61	-1,346.35	1,346.88	0.00	0.00	0.00
6,200.00	90.00	268.40	4,960.00	-40.40	-1,446.31	1,446.88	0.00	0.00	0.00
6,300.00	90.00	268.40	4,960.00	-43.19	-1,546.27	1,546.88	0.00	0.00	0.00
6,400.00	90.00	268.40	4,960.00	-45.98	-1,646.23	1,646.88	0.00	0.00	0.00
6,500.00	90.00	268.40	4,960.00	-48.78	-1,746.20	1,746.88	0.00	0.00	0.00
6,600.00	90.00	268.40	4,960.00	-51.57	-1,846.16	1,846.88	0.00	0.00	0.00
6,700.00	90.00	268.40	4,960.00	-54.36	-1,946.12	1,946.88	0.00	0.00	0.00
6,735.12	90.00	268.40	4,960.00	-55.34	-1,981.23	1,982.00	0.00	0.00	0.00
6,800.00	91.95	268.40	4,958.90	-57.15	-2,046.07	2,046.86	3.00	3.00	0.00
6,802.19	92.01	268.40	4,958.82	-57.21	-2,048.25	2,049.05	3.00	3.00	0.00
6,900.00	92.01	268.40	4,955.39	-59.95	-2,145.96	2,146.80	0.00	0.00	0.00
7,000.00	92.01	268.40	4,951.88	-62.74	-2,245.86	2,246.74	0.00	0.00	0.00
7,100.00	92.01	268.40	4,948.37	-65.54	-2,345.76	2,346.68	0.00	0.00	0.00
7,200.00	92.01	268.40	4,944.86	-68.33	-2,445.66	2,446.62	0.00	0.00	0.00
7,300.00	92.01	268.40	4,941.35	-71.13	-2,545.56	2,546.56	0.00	0.00	0.00
7,400.00	92.01	268.40	4,937.84	-73.92	-2,645.46	2,646.49	0.00	0.00	0.00
7,500.00	92.01	268.40	4,934.32	-76.72	-2,745.36	2,746.43	0.00	0.00	0.00
7,600.00	92.01	268.40	4,930.81	-79.51	-2,845.26	2,846.37	0.00	0.00	0.00
7,700.00	92.01	268.40	4,927.30	-82.31	-2,945.16	2,946.31	0.00	0.00	0.00
7,800.00	92.01	268.40	4,923.79	-85.10	-3,045.06	3,046.25	0.00	0.00	0.00
7,900.00	92.01	268.40	4,920.28	-87.90	-3,144.96	3,146.19	0.00	0.00	0.00
8,000.00	92.01	268.40	4,916.77	-90.69	-3,244.86	3,246.12	0.00	0.00	0.00
8,100.00	92.01	268.40	4,913.26	-93.49	-3,344.76	3,346.06	0.00	0.00	0.00
8,200.00	92.01	268.40	4,909.75	-96.28	-3,444.66	3,446.00	0.00	0.00	0.00
8,300.00	92.01	268.40	4,906.24	-99.08	-3,544.55	3,545.94	0.00	0.00	0.00
8,400.00	92.01	268.40	4,902.73	-101.87	-3,644.45	3,645.88	0.00	0.00	0.00
8,500.00	92.01	268.40	4,899.22	-104.67	-3,744.35	3,745.82	0.00	0.00	0.00
8,600.00	92.01	268.40	4,895.71	-107.46	-3,844.25	3,845.75	0.00	0.00	0.00
8,700.00	92.01	268.40	4,892.20	-110.26	-3,944.15	3,945.69	0.00	0.00	0.00
8,790.63	92.01	268.40	4,889.01	-112.79	-4,034.69	4,036.27	0.00	0.00	0.00
8,791.04	92.00	268.40	4,889.00	-112.80	-4,035.10	4,036.68	3.00	-2.93	0.63

BHL (Zambesi B #2H)

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Zambesi B 12 Fee #2H
Well: Zambesi B 12 Fee #2H
Wellbore: Zambesi B 12 Fee #2H
Design: Original Plan

Local Co-ordinate Reference: Well Zambesi B 12 Fee #2H
TVD Reference: WELL @ 3431.00ft (Original Well Elev)
MD Reference: WELL @ 3431.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PP (Zambesi B #2H)	0.00	0.00	4,930.00	-2.50	-90.00	702,866.20	469,910.80	32° 55' 55.979 N	104° 25' 53.047 W
- plan misses by 116.73ft at 4900.00ft MD (4848.12 TVD, -4.84 N, -173.16 E)									
- Point									
BHL (Zambesi B #2H)	0.00	360.00	4,889.00	-112.80	-4,035.10	702,755.90	465,965.70	32° 55' 54.848 N	104° 26' 39.335 W
- plan hits target									
- Point									

WELL DETAILS: Zambesi B 12 Fee #2H

+N/-S	+E/-W	Northing	Ground Level:	3412.00			
0.00	0.00	702868.70	Easting	470000.80	Latitude	Longitude	Slot
					32° 55' 56.004 N	104° 25' 51.991 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFac	Target	Sec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4478.00	0.00	360.00	4478.00	0.00	0.00	0.00	360.00	0.00	
3	5235.12	90.00	268.40	4960.00	-13.46	-481.81	11.89	268.40	482.00	
4	6735.12	90.00	268.40	4960.00	-55.34	-1981.23	0.00	0.00	1982.00	
5	6802.19	92.01	268.40	4958.82	-57.21	-2048.25	3.00	-0.07	2049.05	
6	8790.63	92.01	268.40	4889.01	-112.79	-4034.69	0.00	0.00	4036.27	
7	8791.04	92.00	268.40	4889.00	-112.80	-4035.10	0.00	0.00	4036.68	

