

District I
1625 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
Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

API Number 30-015-35332	Pool Code 75250	Pool Name COTTONWOOD CREEK; WOLFCAMP (GAS)
Property Code 36227	Property Name ZAMBESI "B" 12 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3404'

Surface Location

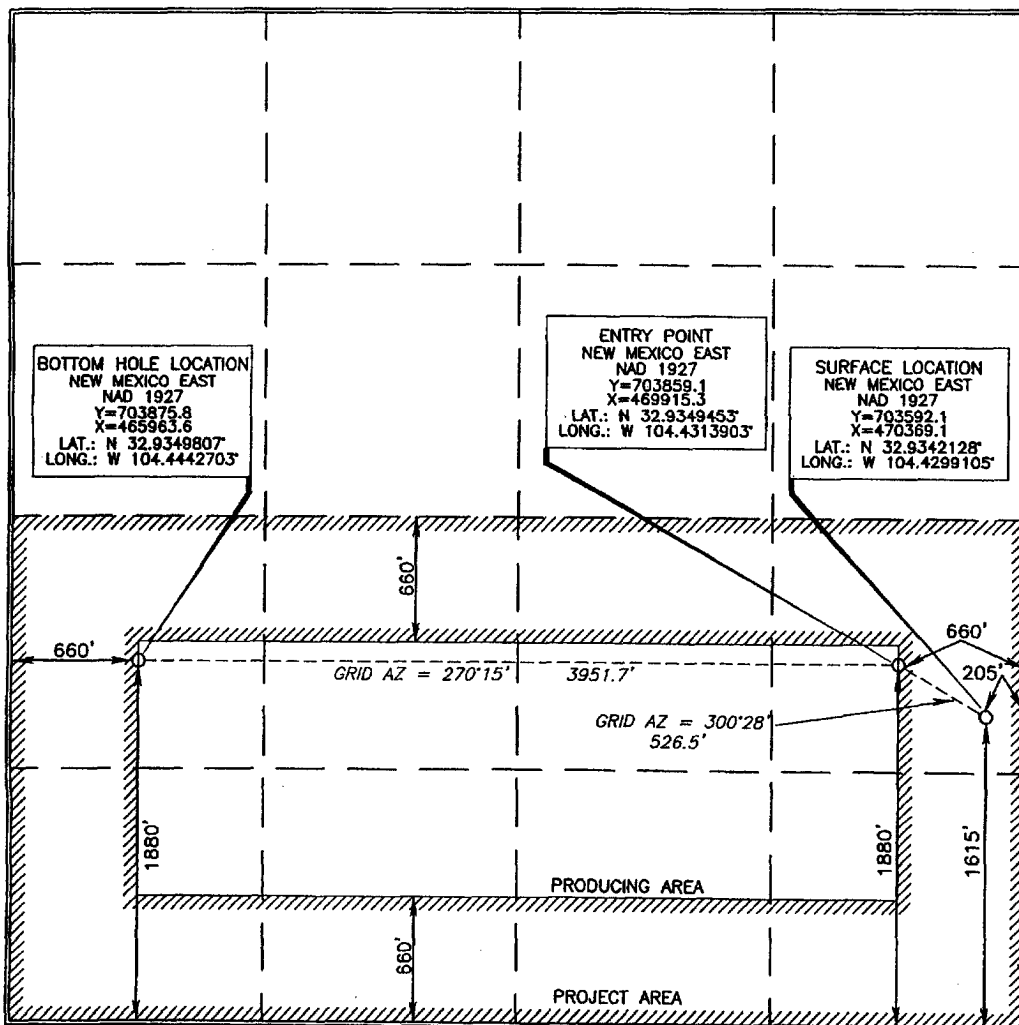
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	16 SOUTH	25 EAST, N.M.P.M.		1615'	SOUTH	205'	EAST	EDDY

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	25 EAST, N.M.P.M.		1880'	SOUTH	660'	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.

Donny G. Glanton 12/21/06
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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.

15079
DECEMBER 06, 2006
Date of Survey
Signature and Seal of Professional Surveyor
Terry G. Paul 12/16/06
Certificate Number 15079

WO# 061206WL-J (JL)

Permit Information:

Well Name: Zambesi B 12 Fee #1H

Location:

SL 1615' FSL & 205' FEL, Section 12, T-16-S, R-25-E, Eddy Co., N.M.

BHL 1880' FSL & 660' FWL, Section 12, T-16-S, R-25-E, Eddy Co., N.M.

**Casing Program:***@ 12cc'*

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	900 '	12-1/4"	8-5/8"	32#	J-55	Surface
Production	9,218'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:*@ 12cc'*

Depth	No. Sacks	Slurries:
900 '	150	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
9,218'	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: *@ 12cc'*

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 900 '	Fresh - Gel	8.6-8.8	28-34	N/c
900' - 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
4,300' - 9,218'	Polymer (Lateral)	9.0-9.4	40-45	10-20



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

December 20, 2006

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 #1H. 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,



Jason LaGrega
Drilling Engineer

Planning Report

Database:	EDM
Company:	EOG - Midland (3)
Project:	Thames
Site:	Zambesi B 12 Fee #1H
Well:	Zambesi B 12 Fee #1H
Wellbore:	Zambesi B 12 Fee #1H
Design:	Original Plan

Local Co-ordinate Reference:	Well Zambesi B 12 Fee #1H
TVD Reference:	WELL @ 3422.00ft (Original Well Elev)
MD Reference:	WELL @ 3422.00ft (Original Well Elev)
North Reference:	Grid
Survey Calculation Method:	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		

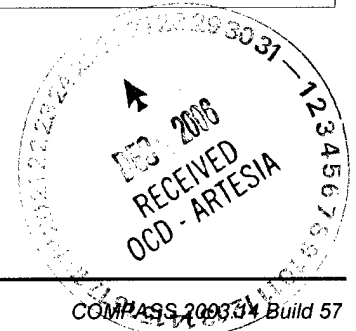
Site		Zambesi B 12 Fee #1H			
Site Position:		Northing:	703,592.10ft	Latitude:	32° 56' 3.166 N
From:	Map	Easting:	470,369.10ft	Longitude:	104° 25' 47.678 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.05 °

Well	Zambesi B 12 Fee #1H					
Well Position	+N-S	0.00 ft	Northing:	703,592.10 ft	Latitude:	32° 56' 3.166 N
	+E-W	0.00 ft	Easting:	470,369.10 ft	Longitude:	104° 25' 47.678 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	3,404.00 ft

Wellbore					
Zambesi B 12 Fee #1H					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	12/20/2006	8.55	60.78	49,352

Design	Original Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(ft)	(ft)	(ft)	(°)
	5,016.00	0.00	0.00	273.68

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	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,266.94	68.93	294.08	5,050.00	210.00	-470.00	7.13	7.13	0.00	294.08	PP 2 (Zambesi B #
5,538.11	90.00	270.31	5,100.00	263.69	-727.56	11.56	7.77	-8.76	309.23	
6,765.11	90.00	270.31	5,100.00	270.33	-1,954.54	0.00	0.00	0.00	0.00	
6,831.44	91.99	270.31	5,098.85	270.69	-2,020.85	3.00	3.00	0.00	0.07	
9,217.21	91.99	270.31	5,016.01	283.70	-4,405.15	0.00	0.00	0.00	0.00	
9,217.56	92.00	270.31	5,016.00	283.70	-4,405.50	3.00	2.91	-0.72	-13.86	BHL (Zambesi B #1



EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Zambesi B 12 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3422.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3422.00ft (Original Well Elev)
Site:	Zambesi B 12 Fee #1H	North Reference:	Grid
Well:	Zambesi B 12 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Zambesi B 12 Fee #1H		
Design:	Original Plan		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	7.13	294.08	4,399.74	2.53	-5.67	5.82	7.13	7.13	0.00
4,500.00	14.26	294.08	4,497.94	10.10	-22.60	23.20	7.13	7.13	0.00
4,600.00	21.39	294.08	4,593.08	22.58	-50.53	51.87	7.13	7.13	0.00
4,700.00	28.51	294.08	4,683.69	39.77	-89.02	91.39	7.13	7.13	0.00
4,800.00	35.64	294.08	4,768.37	61.42	-137.47	141.14	7.13	7.13	0.00
4,900.00	42.77	294.08	4,845.80	87.19	-195.15	200.35	7.13	7.13	0.00
5,000.00	49.90	294.08	4,914.80	116.69	-261.16	268.11	7.13	7.13	0.00
5,100.00	57.03	294.08	4,974.30	149.44	-334.47	343.38	7.13	7.13	0.00
5,200.00	64.16	294.08	5,023.36	184.96	-413.95	424.98	7.13	7.13	0.00
5,266.94	68.93	294.08	5,050.00	210.00	-470.00	482.52	7.13	7.13	0.00

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Zambesi B 12 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3422.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3422.00ft (Original Well Elev)
Site:	Zambesi B 12 Fee #1H	North Reference:	Grid
Well:	Zambesi B 12 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Zambesi B 12 Fee #1H		
Design:	Original Plan		

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)
5,300.00	71.37	290.95	5,061.23	221.90	-498.73	511.96	11.56	7.40	-9.45
5,400.00	79.04	281.99	5,086.79	249.14	-591.31	606.09	11.56	7.67	-8.96
5,500.00	86.96	273.50	5,098.99	262.43	-689.49	704.93	11.56	7.91	-8.50
5,538.11	90.00	270.31	5,100.00	263.69	-727.56	743.00	11.56	7.98	-8.36
5,600.00	90.00	270.31	5,100.00	264.03	-789.45	804.78	0.00	0.00	0.00
5,700.00	90.00	270.31	5,100.00	264.57	-889.45	904.61	0.00	0.00	0.00
5,800.00	90.00	270.31	5,100.00	265.11	-989.44	1,004.44	0.00	0.00	0.00
5,900.00	90.00	270.31	5,100.00	265.65	-1,089.44	1,104.26	0.00	0.00	0.00
6,000.00	90.00	270.31	5,100.00	266.19	-1,189.44	1,204.09	0.00	0.00	0.00
6,100.00	90.00	270.31	5,100.00	266.73	-1,289.44	1,303.92	0.00	0.00	0.00
6,200.00	90.00	270.31	5,100.00	267.27	-1,389.44	1,403.74	0.00	0.00	0.00
6,300.00	90.00	270.31	5,100.00	267.82	-1,489.44	1,503.57	0.00	0.00	0.00
6,400.00	90.00	270.31	5,100.00	268.36	-1,589.44	1,603.40	0.00	0.00	0.00
6,500.00	90.00	270.31	5,100.00	268.90	-1,689.43	1,703.22	0.00	0.00	0.00
6,600.00	90.00	270.31	5,100.00	269.44	-1,789.43	1,803.05	0.00	0.00	0.00
6,700.00	90.00	270.31	5,100.00	269.98	-1,889.43	1,902.88	0.00	0.00	0.00
6,765.11	90.00	270.31	5,100.00	270.33	-1,954.54	1,967.88	0.00	0.00	0.00
6,800.00	91.05	270.31	5,099.68	270.52	-1,989.43	2,002.70	3.00	3.00	0.00
6,831.44	91.99	270.31	5,098.85	270.69	-2,020.85	2,034.07	3.00	3.00	0.00
6,900.00	91.99	270.31	5,096.47	271.07	-2,089.37	2,102.47	0.00	0.00	0.00
7,000.00	91.99	270.31	5,093.00	271.61	-2,189.31	2,202.24	0.00	0.00	0.00
7,100.00	91.99	270.31	5,089.52	272.16	-2,289.25	2,302.01	0.00	0.00	0.00
7,200.00	91.99	270.31	5,086.05	272.70	-2,389.19	2,401.77	0.00	0.00	0.00
7,300.00	91.99	270.31	5,082.58	273.25	-2,489.13	2,501.54	0.00	0.00	0.00
7,400.00	91.99	270.31	5,079.11	273.79	-2,589.06	2,601.31	0.00	0.00	0.00
7,500.00	91.99	270.31	5,075.64	274.34	-2,689.00	2,701.07	0.00	0.00	0.00
7,600.00	91.99	270.31	5,072.16	274.88	-2,788.94	2,800.84	0.00	0.00	0.00
7,700.00	91.99	270.31	5,068.69	275.43	-2,888.88	2,900.61	0.00	0.00	0.00
7,800.00	91.99	270.31	5,065.22	275.97	-2,988.82	3,000.37	0.00	0.00	0.00
7,900.00	91.99	270.31	5,061.75	276.52	-3,088.76	3,100.14	0.00	0.00	0.00
8,000.00	91.99	270.31	5,058.27	277.06	-3,188.69	3,199.91	0.00	0.00	0.00
8,100.00	91.99	270.31	5,054.80	277.61	-3,288.63	3,299.67	0.00	0.00	0.00
8,200.00	91.99	270.31	5,051.33	278.15	-3,388.57	3,399.44	0.00	0.00	0.00
8,300.00	91.99	270.31	5,047.86	278.70	-3,488.51	3,499.21	0.00	0.00	0.00
8,400.00	91.99	270.31	5,044.39	279.24	-3,588.45	3,598.97	0.00	0.00	0.00
8,500.00	91.99	270.31	5,040.91	279.79	-3,688.39	3,698.74	0.00	0.00	0.00
8,600.00	91.99	270.31	5,037.44	280.33	-3,788.32	3,798.51	0.00	0.00	0.00
8,700.00	91.99	270.31	5,033.97	280.88	-3,888.26	3,898.27	0.00	0.00	0.00
8,800.00	91.99	270.31	5,030.50	281.42	-3,988.20	3,998.04	0.00	0.00	0.00
8,900.00	91.99	270.31	5,027.03	281.97	-4,088.14	4,097.81	0.00	0.00	0.00
9,000.00	91.99	270.31	5,023.55	282.51	-4,188.08	4,197.57	0.00	0.00	0.00
9,100.00	91.99	270.31	5,020.08	283.06	-4,288.01	4,297.34	0.00	0.00	0.00
9,200.00	91.99	270.31	5,016.61	283.60	-4,387.95	4,397.11	0.00	0.00	0.00
9,217.21	91.99	270.31	5,016.01	283.70	-4,405.15	4,414.27	0.00	0.00	0.00
9,217.56	92.00	270.31	5,016.00	283.70	-4,405.50	4,414.63	3.00	2.91	-0.72

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Zambesi B 12 Fee #1H
Well: Zambesi B 12 Fee #1H
Wellbore: Zambesi B 12 Fee #1H
Design: Original Plan

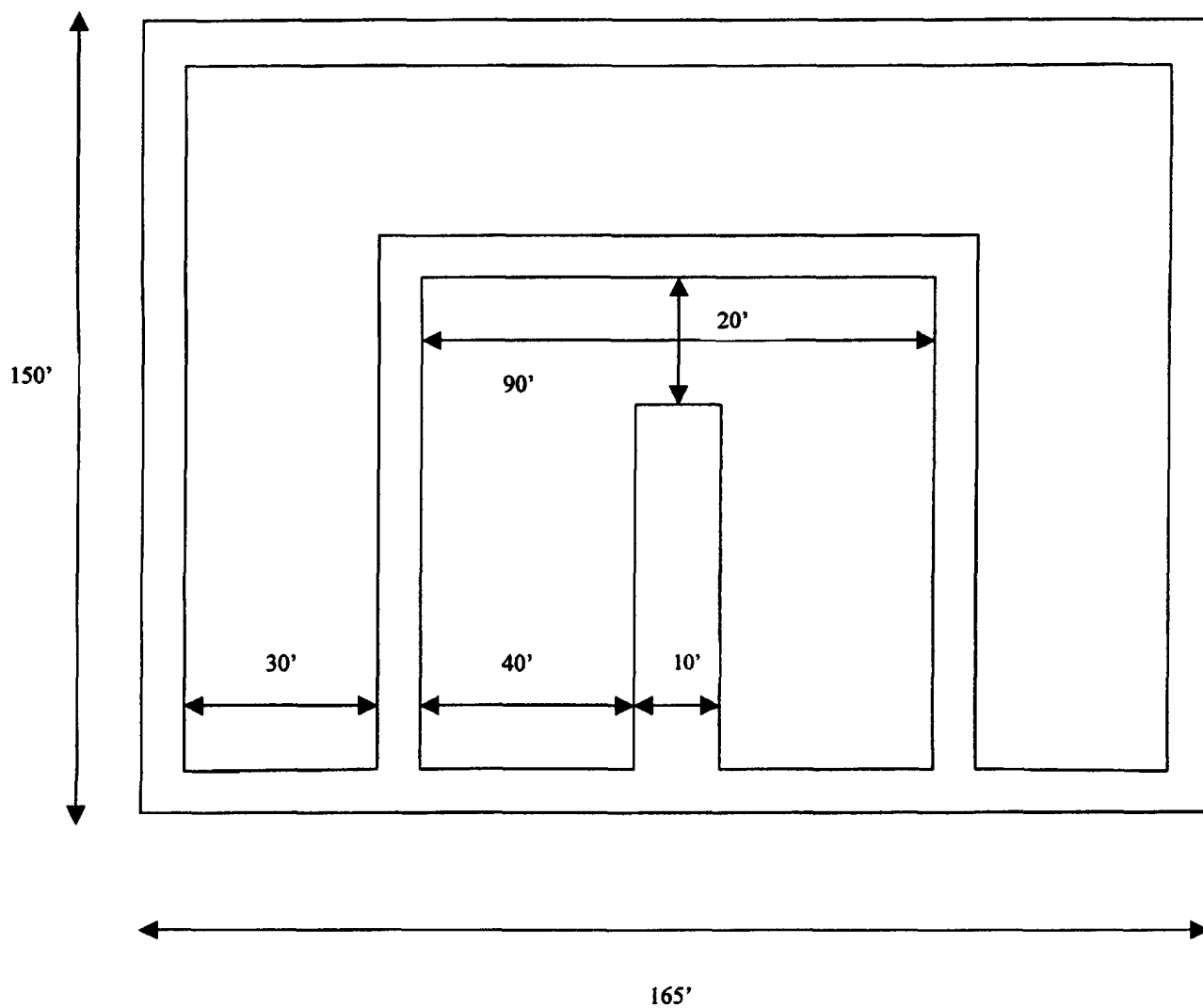
Local Co-ordinate Reference: Well Zambesi B 12 Fee #1H
TVD Reference: WELL @ 3422.00ft (Original Well Elev)
MD Reference: WELL @ 3422.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL (Zambesi B #1H) - plan hits target - Point	0.00	0.00	5,016.00	283.70	-4,405.50	703,875.80	465,963.60	32° 56' 5.930 N	104° 26' 39.374 W
PP 2 (Zambesi B #1H) - plan hits target - Point	0.00	0.00	5,050.00	210.00	-470.00	703,802.10	469,899.10	32° 56' 5.239 N	104° 25' 53.195 W
PP (Zambesi B #1H) - plan misses by 59.26ft at 5266.94ft MD (5050.00 TVD, 210.00 N, -470.00 E) - Point	0.00	0.00	5,050.00	267.00	-453.80	703,859.10	469,915.30	32° 56' 5.804 N	104° 25' 53.005 W

30-015-35332

New Mexico Double Horseshoe Reserve Pit Design



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

WELL DETAILS: Zambesi B 12 Fee #1H

+N/-S	+E/-W	Northing	Ground Level:	3404.00	Latitude	Longitude	Slot
0.00	0.00	703592.10	Easting	470369.10	32° 56' 3.166 N	104° 25' 47.678 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	
5266.94	68.93	294.08	5050.00	210.00	-470.00	7.13	294.08	482.52	PP 2 (Zambesi B #1H)
5538.11	90.00	270.31	5100.00	263.69	-727.56	11.56	309.23	743.00	
6765.11	90.00	270.31	5100.00	270.33	-1954.54	0.00	0.00	1967.88	
6831.44	91.99	270.31	5098.85	270.69	-2020.85	3.00	0.07	2034.07	
9217.21	91.99	270.31	5016.01	283.70	-4405.15	0.00	0.00	4414.27	
9217.56	92.00	270.31	5016.00	283.70	-4405.50	3.00	-13.86	4414.63	BHL (Zambesi B #1H)

