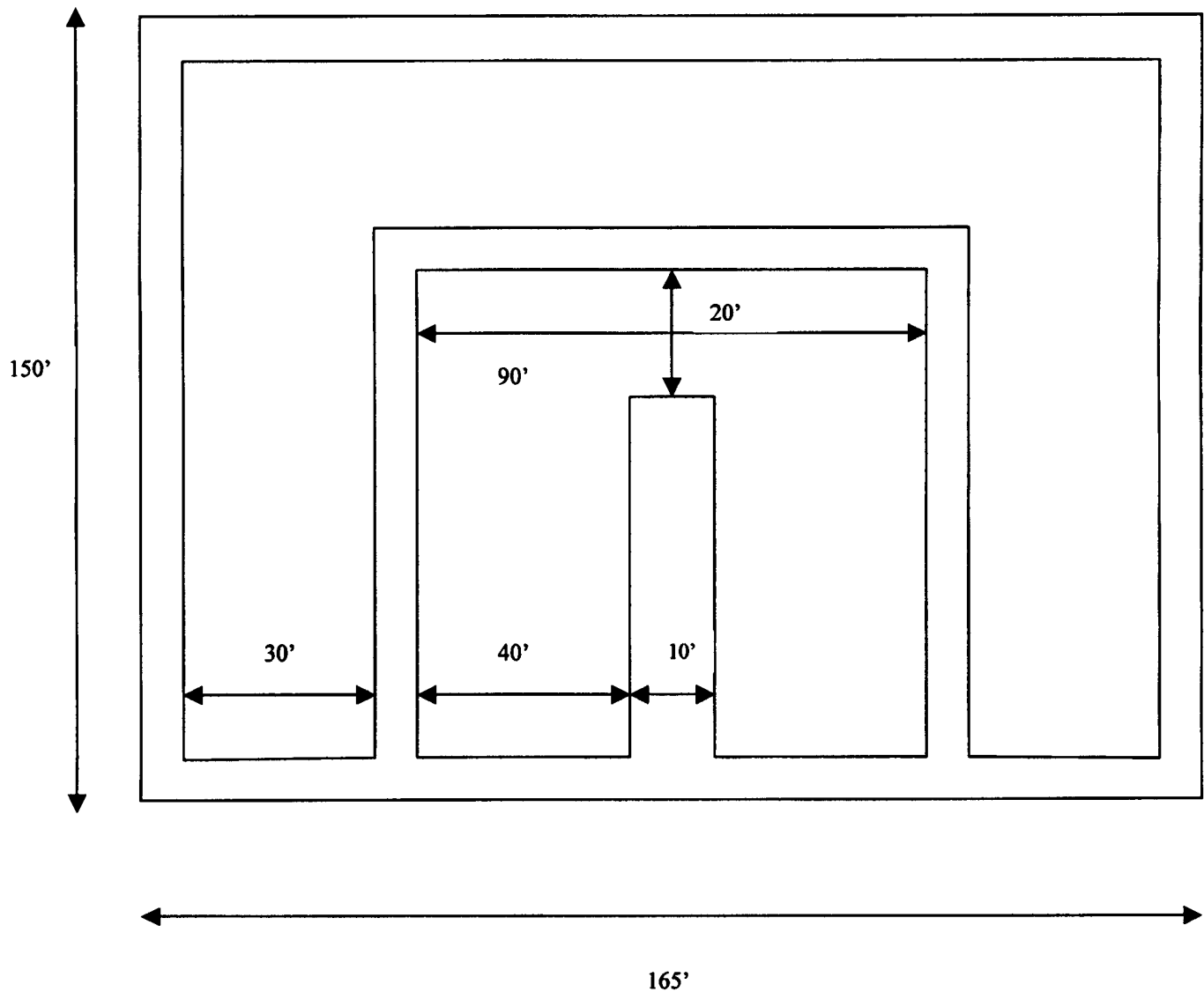


30-015-35572

New Mexico Double Horseshoe Reserve Pit Design



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

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
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies
☐ AMENDED REPORT

S

WELL LOCATION AND ACREAGE DEDICATION PLAN

API Number 30-015-35572	Pool Code 97489	Pool Name WILDCAT; WOLFCAMP GAS
Property Code 36470	Property Name INDIAN "A" 1 FEE	Month - Year MAY 1 2007
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Well Number 1H
		Elevation 3404'

Surface Location

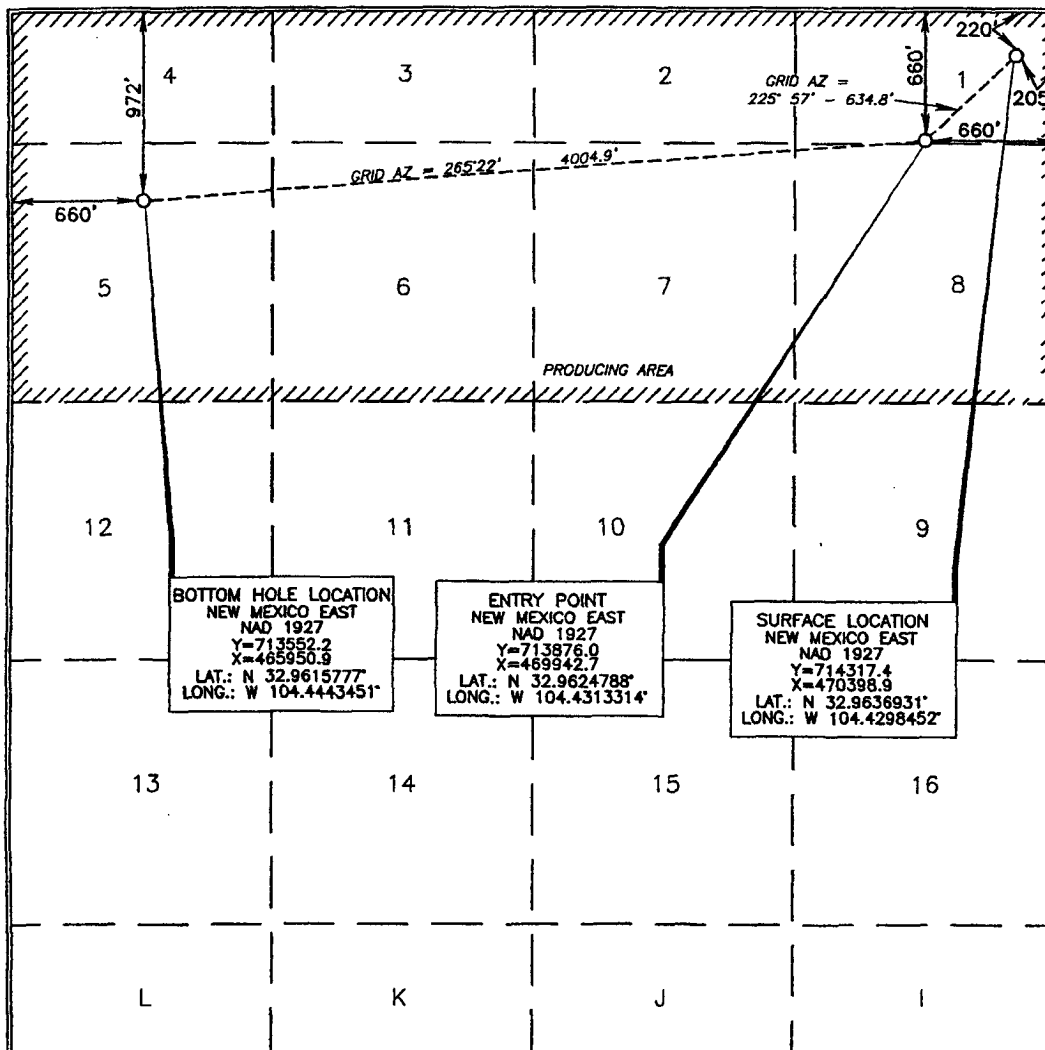
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	1	16 SOUTH	25 EAST, N.M.P.M.		220'	NORTH	205'	EAST	EDDY

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
5	1	16 SOUTH	25 EAST, N.M.P.M.		972'	NORTH	660'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
238.0			

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 4/30/2007
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

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

APR 24 2007
Date of Survey
Signature and Seal of Professional Surveyor

Terry J. Paul 4/25/2007
Certificate Number 15079

WO# 070424WL-a (JL)

Permit Information:

Well Name: Indian A 1 Fee #1H

Location:

SL: 220' FNL & 205' FEL, Section 1, T-16-S, R-25-E, Eddy Co., N.M.

BHL: 972' FNL & 660' FWL, Section 1, T-16-S, R-25-E, Eddy Co., N.M.

Casing Program:**1100'**

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	970'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	9,285'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:**1100'**

Depth	No. Sacks	Slurries:
970'	150	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
9,285'	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: 1100'

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 970'	Fresh - Gel	8.6-8.8	28-34	N/c
970' - 4,700'	Cut Brine	8.8-9.2	28-34	N/c
4,700' - 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,100' - 9,285'	Polymer (Lateral)	9.0-9.4	40-45	10-20



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

March 26, 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 Indian A 1 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,

A handwritten signature in black ink, appearing to read "Jason LaGrega", written over a horizontal line.

Jason LaGrega
Drilling Engineer

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Indian A 1 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3423.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3423.00ft (Original Well Elev)
Site:	Indian A 1 Fee #1H	North Reference:	Grid
Well:	Indian A 1 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Indian A 1 Fee #1H		
Design:	Pre-Gyro Plan		

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	Indian A 1 Fee #1H				
Site Position:		Northing:	714,317.40ft	Latitude:	32° 57' 49.295 N
From:	Map	Easting:	470,398.90ft	Longitude:	104° 25' 47.443 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.05 °

Well	Indian A 1 Fee #1H					
Well Position	+N/-S	0.00 ft	Northing:	714,317.40 ft	Latitude:	32° 57' 49.295 N
	+E/-W	0.00 ft	Easting:	470,398.90 ft	Longitude:	104° 25' 47.443 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,404.00ft

Wellbore	Indian A 1 Fee #1H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	4/26/2007	8.51	60.80	49,334

Design	Pre-Gyro Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,903.00	0.00	0.00	260.24

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	
4,100.00	0.00	360.00	4,100.00	0.00	0.00	0.00	0.00	0.00	360.00	
5,290.95	80.00	225.00	4,940.00	-498.40	-498.40	6.72	6.72	0.00	225.00	
5,674.04	90.00	268.10	4,975.00	-645.44	-840.20	11.49	2.61	11.25	79.49	
7,174.04	90.00	268.10	4,975.00	-695.17	-2,339.38	0.00	0.00	0.00	0.00	
7,240.23	91.99	268.10	4,973.85	-697.37	-2,405.52	3.00	3.00	0.00	-0.06	
9,284.58	91.99	268.10	4,903.02	-765.18	-4,447.52	0.00	0.00	0.00	0.00	
9,285.06	92.00	268.10	4,903.00	-765.20	-4,448.00	3.00	2.97	0.44	8.49	BHL (Indian A #1H)

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Indian A 1 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3423.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3423.00ft (Original Well Elev)
Site:	Indian A 1 Fee #1H	North Reference:	Grid
Well:	Indian A 1 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Indian A 1 Fee #1H		
Design:	Pre-Gyro 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	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	6.72	225.00	4,199.77	-4.14	-4.14	4.78	6.72	6.72	0.00
4,300.00	13.43	225.00	4,298.17	-16.50	-16.50	19.06	6.72	6.72	0.00
4,400.00	20.15	225.00	4,393.85	-36.92	-36.92	42.65	6.72	6.72	0.00
4,500.00	26.87	225.00	4,485.50	-65.11	-65.11	75.21	6.72	6.72	0.00
4,600.00	33.59	225.00	4,571.85	-100.69	-100.69	116.31	6.72	6.72	0.00
4,700.00	40.30	225.00	4,651.73	-143.17	-143.17	165.37	6.72	6.72	0.00
4,800.00	47.02	225.00	4,724.03	-191.96	-191.96	221.73	6.72	6.72	0.00
4,900.00	53.74	225.00	4,787.76	-246.40	-246.40	284.60	6.72	6.72	0.00
5,000.00	60.46	225.00	4,842.05	-305.73	-305.73	353.14	6.72	6.72	0.00
5,100.00	67.17	225.00	4,886.16	-369.15	-369.15	426.39	6.72	6.72	0.00
5,200.00	73.89	225.00	4,919.46	-435.78	-435.78	503.35	6.72	6.72	0.00
5,222.59	75.41	225.00	4,925.44	-451.18	-451.18	521.14	6.72	6.72	0.00

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Indian A 1 Fee #1H
Well: Indian A 1 Fee #1H
Wellbore: Indian A 1 Fee #1H
Design: Pre-Gyro Plan

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

Well Indian A 1 Fee #1H
WELL @ 3423.00ft (Original Well Elev)
WELL @ 3423.00ft (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)
PP (Indian A #1H)									
5,290.95	80.00	225.00	4,940.00	-498.40	-498.40	575.68	6.72	6.72	0.00
5,300.00	80.19	226.04	4,941.56	-504.64	-504.76	583.01	11.49	2.11	11.47
5,400.00	82.50	237.43	4,956.65	-565.74	-582.25	669.74	11.49	2.31	11.39
5,500.00	85.10	248.69	4,967.49	-610.69	-670.74	764.56	11.49	2.60	11.26
5,600.00	87.88	259.86	4,973.63	-637.68	-766.65	863.67	11.49	2.78	11.17
5,674.04	90.00	268.10	4,975.00	-645.44	-840.20	937.47	11.49	2.86	11.13
5,700.00	90.00	268.10	4,975.00	-646.30	-866.15	963.18	0.00	0.00	0.00
5,800.00	90.00	268.10	4,975.00	-649.62	-966.09	1,062.25	0.00	0.00	0.00
5,900.00	90.00	268.10	4,975.00	-652.93	-1,066.04	1,161.31	0.00	0.00	0.00
6,000.00	90.00	268.10	4,975.00	-656.25	-1,165.98	1,260.37	0.00	0.00	0.00
6,100.00	90.00	268.10	4,975.00	-659.56	-1,265.93	1,359.43	0.00	0.00	0.00
6,200.00	90.00	268.10	4,975.00	-662.88	-1,365.87	1,458.49	0.00	0.00	0.00
6,300.00	90.00	268.10	4,975.00	-666.19	-1,465.82	1,557.55	0.00	0.00	0.00
6,400.00	90.00	268.10	4,975.00	-669.51	-1,565.76	1,656.61	0.00	0.00	0.00
6,500.00	90.00	268.10	4,975.00	-672.82	-1,665.71	1,755.67	0.00	0.00	0.00
6,600.00	90.00	268.10	4,975.00	-676.14	-1,765.65	1,854.73	0.00	0.00	0.00
6,700.00	90.00	268.10	4,975.00	-679.46	-1,865.60	1,953.79	0.00	0.00	0.00
6,800.00	90.00	268.10	4,975.00	-682.77	-1,965.54	2,052.85	0.00	0.00	0.00
6,900.00	90.00	268.10	4,975.00	-686.09	-2,065.49	2,151.91	0.00	0.00	0.00
7,000.00	90.00	268.10	4,975.00	-689.40	-2,165.43	2,250.97	0.00	0.00	0.00
7,100.00	90.00	268.10	4,975.00	-692.72	-2,265.38	2,350.03	0.00	0.00	0.00
7,174.04	90.00	268.10	4,975.00	-695.17	-2,339.38	2,423.37	0.00	0.00	0.00
7,200.00	90.78	268.10	4,974.82	-696.03	-2,365.32	2,449.09	3.00	3.00	0.00
7,240.23	91.99	268.10	4,973.85	-697.37	-2,405.52	2,488.93	3.00	3.00	0.00
7,300.00	91.99	268.10	4,971.78	-699.35	-2,465.22	2,548.10	0.00	0.00	0.00
7,400.00	91.99	268.10	4,968.32	-702.67	-2,565.11	2,647.10	0.00	0.00	0.00
7,500.00	91.99	268.10	4,964.85	-705.98	-2,664.99	2,746.10	0.00	0.00	0.00
7,600.00	91.99	268.10	4,961.39	-709.30	-2,764.87	2,845.10	0.00	0.00	0.00
7,700.00	91.99	268.10	4,957.92	-712.62	-2,864.76	2,944.11	0.00	0.00	0.00
7,800.00	91.99	268.10	4,954.46	-715.94	-2,964.64	3,043.11	0.00	0.00	0.00
7,900.00	91.99	268.10	4,950.99	-719.25	-3,064.53	3,142.11	0.00	0.00	0.00
8,000.00	91.99	268.10	4,947.53	-722.57	-3,164.41	3,241.11	0.00	0.00	0.00
8,100.00	91.99	268.10	4,944.06	-725.89	-3,264.30	3,340.11	0.00	0.00	0.00
8,200.00	91.99	268.10	4,940.60	-729.21	-3,364.18	3,439.11	0.00	0.00	0.00
8,300.00	91.99	268.10	4,937.13	-732.52	-3,464.07	3,538.11	0.00	0.00	0.00
8,400.00	91.99	268.10	4,933.67	-735.84	-3,563.95	3,637.11	0.00	0.00	0.00
8,500.00	91.99	268.10	4,930.20	-739.16	-3,663.84	3,736.12	0.00	0.00	0.00
8,600.00	91.99	268.10	4,926.74	-742.47	-3,763.72	3,835.12	0.00	0.00	0.00
8,700.00	91.99	268.10	4,923.27	-745.79	-3,863.61	3,934.12	0.00	0.00	0.00
8,800.00	91.99	268.10	4,919.81	-749.11	-3,963.49	4,033.12	0.00	0.00	0.00
8,900.00	91.99	268.10	4,916.34	-752.43	-4,063.38	4,132.12	0.00	0.00	0.00
9,000.00	91.99	268.10	4,912.88	-755.74	-4,163.26	4,231.12	0.00	0.00	0.00
9,100.00	91.99	268.10	4,909.41	-759.06	-4,263.15	4,330.12	0.00	0.00	0.00
9,200.00	91.99	268.10	4,905.95	-762.38	-4,363.03	4,429.12	0.00	0.00	0.00
9,284.58	91.99	268.10	4,903.02	-765.18	-4,447.52	4,512.86	0.00	0.00	0.00
9,285.06	92.00	268.10	4,903.00	-765.20	-4,448.00	4,513.34	3.00	2.97	0.44
BHL (Indian A #1H)									

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Indian A 1 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3423.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3423.00ft (Original Well Elev)
Site:	Indian A 1 Fee #1H	North Reference:	Grid
Well:	Indian A 1 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Indian A 1 Fee #1H		
Design:	Pre-Gyro Plan		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
PP (Indian A #1H)	0.00	360.00	4,940.00	-441.40	-456.20	713,876.00	469,942.70	32° 57' 44.923 N	104° 25' 52.793 W
- plan misses by 18.24ft at 5222.59ft MD (4925.44 TVD, -451.18 N, -451.18 E)									
- Point									
BHL (Indian A #1H)	0.00	360.00	4,903.00	-765.20	-4,448.00	713,552.20	465,950.90	32° 57' 41.680 N	104° 26' 39.642 W
- plan hits target									
- Point									

WELL DETAILS: Indian A 1 Fee #1H

+N/-S	+E/-W	Northing	Ground Level: 3404.00	Easting	Latitude	Longitude	Slot
0.00	0.00	714317.40		470398.90	32° 57' 49.295 N	104° 25' 47.443 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	4100.00	0.00	360.00	4100.00	0.00	0.00	0.00	360.00	0.00	
3	5290.95	80.00	225.00	4940.00	-498.40	-498.40	6.72	225.00	575.68	
4	5674.04	90.00	268.10	4975.00	-645.44	-840.20	11.49	79.49	937.47	
5	7174.04	90.00	268.10	4975.00	-695.17	-2339.38	0.00	0.00	2423.37	
6	7240.23	91.99	268.10	4973.85	-697.37	-2405.52	3.00	-0.06	2488.93	
7	9284.58	91.99	268.10	4903.02	-765.18	-4447.52	0.00	0.00	4512.86	
8	9285.06	92.00	268.10	4903.00	-765.20	-4448.00	0.00	0.00	4513.34	

