



30 015 35862

OCT 04 2007
OCD-ARTESIA

(432) 686-3642 Office
(432) 770-0602 Cell
Donny_Glanton@eogresources.com

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

October 3, 2007

OCD-Artesia
Att: Mr. Bryan Arrent
1301 W. Grand Avenue
Artesia, NM 88210

Re: SALMON B 32 STATE 1H

Dear Mr. Arrent:

As per the submittal comments of the C-101 (Electronic Permitting Application) for the above captioned well, please find the following additional information submitted for your review and processing.

- Well Plat
- Detailed Casing
- Mud
- Cement
- Drilling Plan
- H₂S Letter

Should you have any additional questions, please feel to give me a call.

Thanks and best regards.

Very truly yours,

A handwritten signature in black ink, appearing to read "Donny G. Glanton".

Donny G. Glanton
Sr. ROW Lease Operations Representative

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
S 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
OCT 04 2007
OCD-ARTESIA
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35862	Pool Code 97415	Pool Name Four Mile Draw ; Wolfcamp (G)
Property Code 36784	Property Name SALMON "B" 32 STATE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3974'

Surface Location

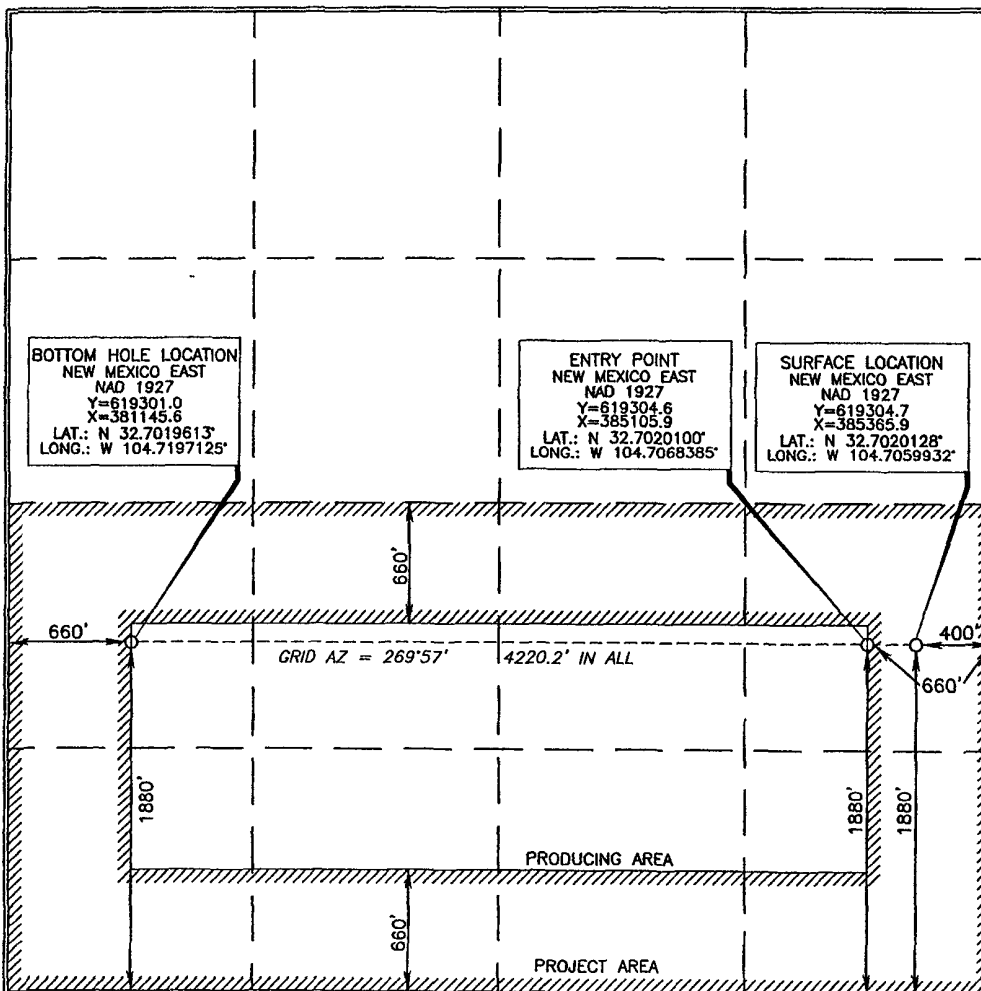
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	18 SOUTH	23 EAST, N.M.P.M.		1880'	SOUTH	400'	EAST	EDDY

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	32	18 SOUTH	23 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 10/3/2007
Signature Date
Donny G. Glanton
Printed Name

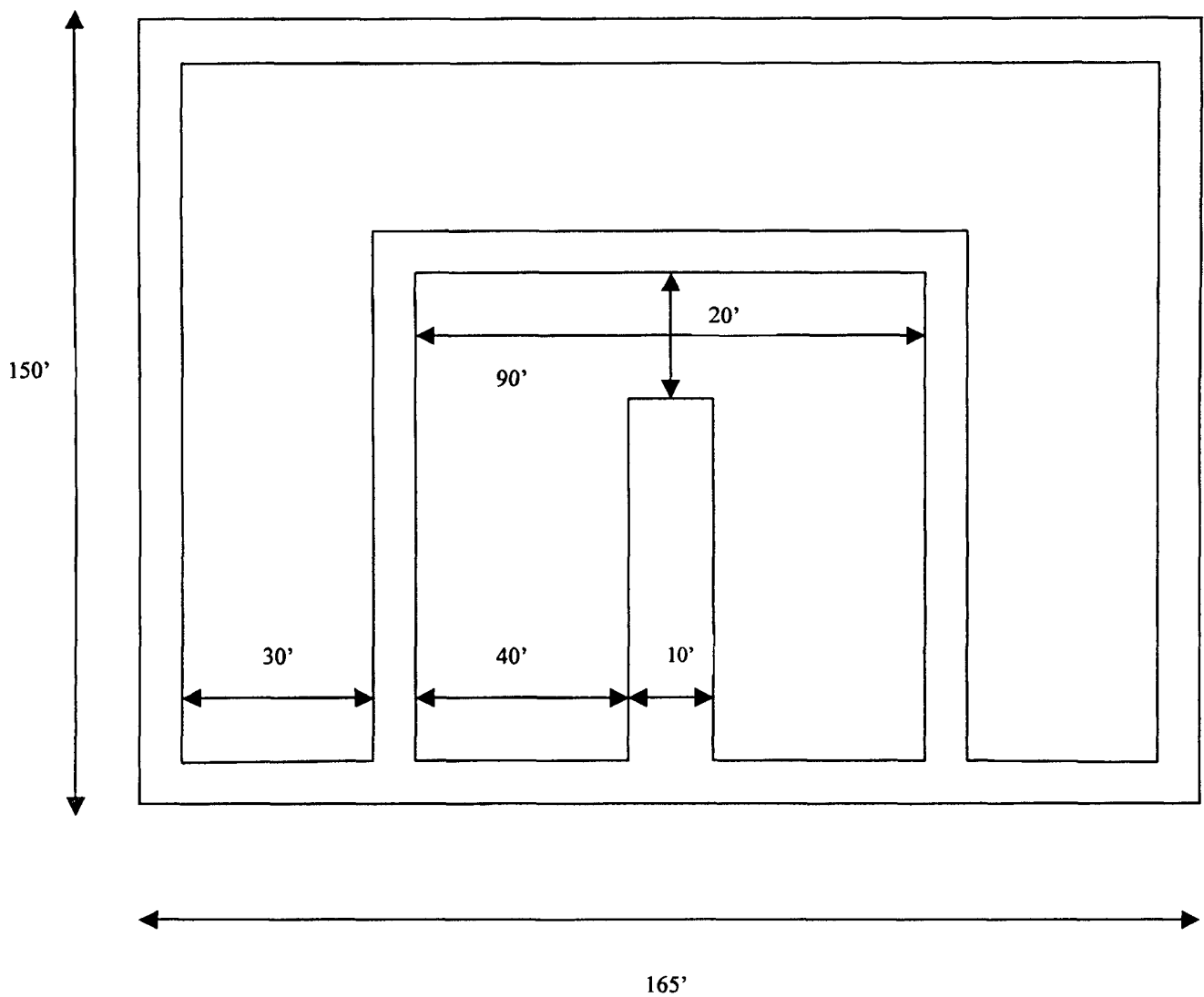
SURVEYOR CERTIFICATION

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

SEPTEMBER 29, 2007
Date of Survey
Signature and Seal of Professional Surveyor
Terry J. Dool 9-28-2007
Certificate Number 15079

WO# 070913WL-C (KA)

New Mexico Double Horseshoe Reserve Pit Design



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

Permit Information:

Well Name: Salmon B 32 State #1H

Location:

SL 1880' FSL & 400' FEL, Section 32, T-18-S, R-23-E, Eddy Co., N.M.

BHL 1880' FSL & 660' FWL, Section 32, T-18-S, R-23-E, Eddy Co., N.M.

Casing Program:

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	8,520'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	500	Lead: 35:65 Poz C + 6% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 10 pps LCM-1 + 2% CaCl ₂
	400	Tail: Class C + 0.005 gps FP-6L + 0.005 pps Static Free + 0.125 pps CelloFlake
8,520'	500	Lead: 50:50 Poz:Class C + 0.005 gps FP-6L + 10% Bentonite + 0.005 pps Static Free + 0.125 pps CelloFlake
	700	Tail: 50:50 Poz:Class C + 2% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 5% NaCl + 0.3% FL-2A + 0.2% CD-32 + 0.05% R-3

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' - 4,400'	Cut Brine	8.8-9.2	28-34	N/c
4,400' - 5,100'	Cut Brine	8.8-9.2	28-34	10-15
4,023' - 8,520'	Polymer (Lateral)	9.0-9.4	40-45	10-25

Surface casing setting depth of @ 1200 - 1400'



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

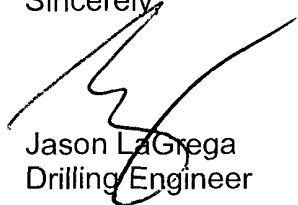
October 2, 2007

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 Salmon B 32 State #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".

Jason LaGrega
Drilling Engineer

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Salmon B 32 State #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3993 00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3993 00ft (Original Well Elev)
Site:	Salmon B 32 State #1H	North Reference:	Grid
Well:	Salmon B 32 State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Salmon B 32 State #1H		
Design:	Original 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:	Salmon B 32 State #1H		
Site Position:		Northing:	619,304.70ft
From:	Map	Easting:	385,365 90ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 42' 7.246 N
		Longitude:	104° 42' 21 575 W
		Grid Convergence:	-0.20 °

Well:	Salmon B 32 State #1H					
Well Position	+N/-S	0 00 ft	Northing:	619,304.70 ft	Latitude:	32° 42' 7 246 N
	+E/-W	0 00 ft	Easting:	385,365 90 ft	Longitude:	104° 42' 21 575 W
Position Uncertainty	0 00 ft	Wellhead Elevation:	ft	Ground Level:	3,974.00ft	

Wellbore		Salmon B 32 State #1H			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	10/2/2007	8 56	60.50	49,093

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)	(°)
	4,410 00	0.00	0.00	269 95

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	
4,023 00	0 00	360 00	4,023 00	0.00	0.00	0 00	0 00	0 00	360 00	
4,780 12	90 00	269 95	4,505.00	-0.42	-482 00	11 89	11.89	0.00	269.95	
5,780 12	90.00	269.95	4,505.00	-1.29	-1,482.00	0.00	0 00	0.00	0 00	
5,847.18	92.01	269 95	4,503 82	-1.35	-1,549 04	3 00	3 00	0 00	-0 01	
8,519.70	92 01	269 95	4,410 01	-3.70	-4,219 91	0 00	0 00	0 00	0.00	
8,520 09	92 00	269.95	4,410.00	-3 70	-4,220.30	3 00	-3.00	0.09	178.21 BHL (Salmon B #1H)	

EOG RESOURCES INC.

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Well:	Salmon B 32 State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Salmon B 32 State #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	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
4,023 00	0 00	360 00	4,023 00	0.00	0.00	0 00	0 00	0 00	0.00
4,100 00	9 15	269.95	4,099.67	-0.01	-6 14	6.14	11.89	11.89	0.00
4,200 00	21.04	269 95	4,196.05	-0 03	-32 14	32.14	11.89	11.89	0.00
4,300.00	32.93	269.95	4,285 00	-0 07	-77.43	77.43	11.89	11.89	0 00
4,400 00	44 81	269 95	4,362 72	-0 12	-140.07	140.07	11.89	11 89	0.00
4,500.00	56.70	269 95	4,425.87	-0.19	-217.38	217.38	11.89	11.89	0.00
4,560 54	63 90	269 95	4,455.84	-0 24	-269 93	269 93	11 89	11 89	0 00
PP (Salmon B #1H)									
4,600 00	68.59	269 95	4,471 73	-0 27	-306 04	306 04	11 89	11.89	0.00
4,700.00	80 48	269 95	4,498 36	-0 35	-402 24	402.24	11.89	11.89	0 00
4,780.12	90.00	269.95	4,505.00	-0.42	-482 00	482.00	11.89	11.89	0.00
4,800 00	90 00	269 95	4,505.00	-0.44	-501.88	501 88	0 00	0.00	0.00

EOG RESOURCES INC.

Planning Report

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Well:	Salmon B 32 State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Salmon B 32 State #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)
4,900.00	90.00	269.95	4,505.00	-0.53	-601.88	601.88	0.00	0.00	0.00
5,000.00	90.00	269.95	4,505.00	-0.61	-701.88	701.88	0.00	0.00	0.00
5,100.00	90.00	269.95	4,505.00	-0.70	-801.88	801.88	0.00	0.00	0.00
5,200.00	90.00	269.95	4,505.00	-0.79	-901.88	901.88	0.00	0.00	0.00
5,300.00	90.00	269.95	4,505.00	-0.87	-1,001.88	1,001.88	0.00	0.00	0.00
5,400.00	90.00	269.95	4,505.00	-0.96	-1,101.88	1,101.88	0.00	0.00	0.00
5,500.00	90.00	269.95	4,505.00	-1.05	-1,201.88	1,201.88	0.00	0.00	0.00
5,600.00	90.00	269.95	4,505.00	-1.14	-1,301.88	1,301.88	0.00	0.00	0.00
5,700.00	90.00	269.95	4,505.00	-1.22	-1,401.88	1,401.88	0.00	0.00	0.00
5,780.12	90.00	269.95	4,505.00	-1.29	-1,482.00	1,482.00	0.00	0.00	0.00
5,800.00	90.60	269.95	4,504.90	-1.31	-1,501.88	1,501.88	3.00	3.00	0.00
5,847.18	92.01	269.95	4,503.82	-1.35	-1,549.04	1,549.04	3.00	3.00	0.00
5,900.00	92.01	269.95	4,501.97	-1.40	-1,601.83	1,601.83	0.00	0.00	0.00
6,000.00	92.01	269.95	4,498.46	-1.49	-1,701.77	1,701.77	0.00	0.00	0.00
6,100.00	92.01	269.95	4,494.95	-1.57	-1,801.71	1,801.71	0.00	0.00	0.00
6,200.00	92.01	269.95	4,491.44	-1.66	-1,901.64	1,901.64	0.00	0.00	0.00
6,300.00	92.01	269.95	4,487.93	-1.75	-2,001.58	2,001.58	0.00	0.00	0.00
6,400.00	92.01	269.95	4,484.42	-1.84	-2,101.52	2,101.52	0.00	0.00	0.00
6,500.00	92.01	269.95	4,480.91	-1.93	-2,201.46	2,201.46	0.00	0.00	0.00
6,600.00	92.01	269.95	4,477.40	-2.01	-2,301.40	2,301.40	0.00	0.00	0.00
6,700.00	92.01	269.95	4,473.89	-2.10	-2,401.34	2,401.34	0.00	0.00	0.00
6,800.00	92.01	269.95	4,470.38	-2.19	-2,501.27	2,501.28	0.00	0.00	0.00
6,900.00	92.01	269.95	4,466.87	-2.28	-2,601.21	2,601.21	0.00	0.00	0.00
7,000.00	92.01	269.95	4,463.36	-2.36	-2,701.15	2,701.15	0.00	0.00	0.00
7,100.00	92.01	269.95	4,459.85	-2.45	-2,801.09	2,801.09	0.00	0.00	0.00
7,200.00	92.01	269.95	4,456.34	-2.54	-2,901.03	2,901.03	0.00	0.00	0.00
7,300.00	92.01	269.95	4,452.83	-2.63	-3,000.97	3,000.97	0.00	0.00	0.00
7,400.00	92.01	269.95	4,449.32	-2.72	-3,100.90	3,100.91	0.00	0.00	0.00
7,500.00	92.01	269.95	4,445.81	-2.80	-3,200.84	3,200.84	0.00	0.00	0.00
7,600.00	92.01	269.95	4,442.30	-2.89	-3,300.78	3,300.78	0.00	0.00	0.00
7,700.00	92.01	269.95	4,438.79	-2.98	-3,400.72	3,400.72	0.00	0.00	0.00
7,800.00	92.01	269.95	4,435.28	-3.07	-3,500.66	3,500.66	0.00	0.00	0.00
7,900.00	92.01	269.95	4,431.77	-3.16	-3,600.60	3,600.60	0.00	0.00	0.00
8,000.00	92.01	269.95	4,428.26	-3.24	-3,700.53	3,700.54	0.00	0.00	0.00
8,100.00	92.01	269.95	4,424.75	-3.33	-3,800.47	3,800.47	0.00	0.00	0.00
8,200.00	92.01	269.95	4,421.24	-3.42	-3,900.41	3,900.41	0.00	0.00	0.00
8,300.00	92.01	269.95	4,417.73	-3.51	-4,000.35	4,000.35	0.00	0.00	0.00
8,400.00	92.01	269.95	4,414.22	-3.59	-4,100.29	4,100.29	0.00	0.00	0.00
8,500.00	92.01	269.95	4,410.71	-3.68	-4,200.23	4,200.23	0.00	0.00	0.00
8,519.70	92.01	269.95	4,410.01	-3.70	-4,219.91	4,219.92	0.00	0.00	0.00
8,520.09	92.00	269.95	4,410.00	-3.70	-4,220.30	4,220.30	3.00	-3.00	0.09
BHL (Salmon B #1H)									

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Salmon B 32 State #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3993 00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3993 00ft (Original Well Elev)
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Wellbore:	Salmon B 32 State #1H		
Design:	Original Plan		

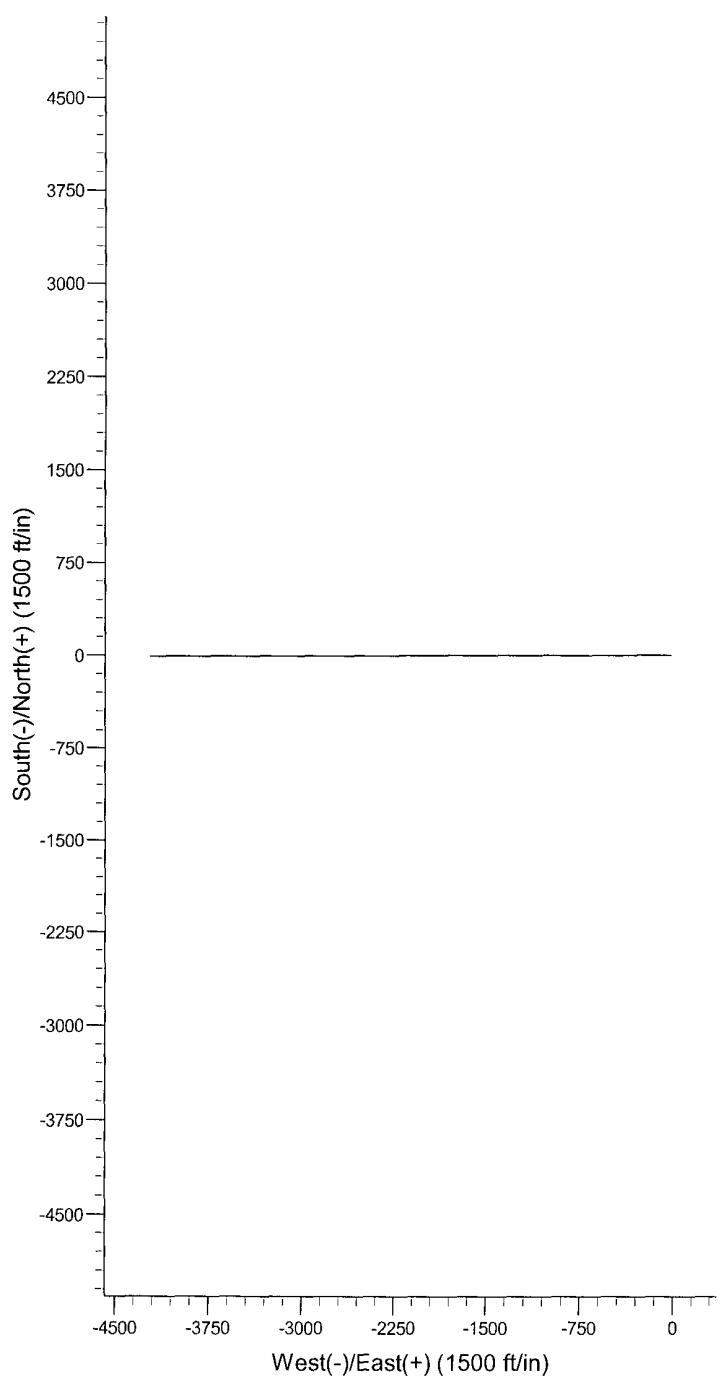
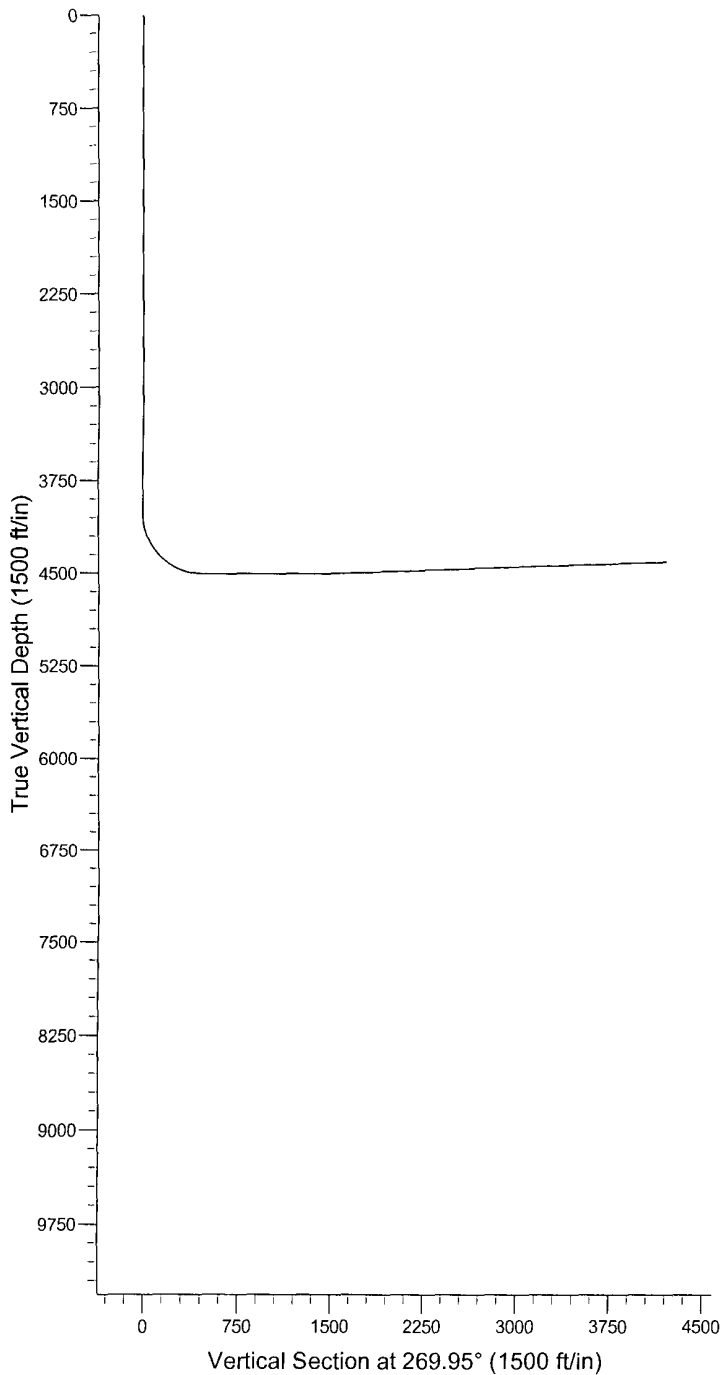
Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
PP (Salmon B #1H)	0 00	360 00	4,475.00	-0.10	-260 00	619,304.60	385,105.90	32° 42' 7.236 N	104° 42' 24 618 W
- plan misses by 21.58ft at 4560.54ft MD (4455.84 TVD, -0.24 N, -269.93 E)									
- Point									
BHL (Salmon B #1H)	0 00	360.00	4,410 00	-3.70	-4,220 30	619,301 00	381,145 60	32° 42' 7 060 N	104° 43' 10 965 W
- plan hits target									
- Point									

WELL DETAILS: Salmon B 32 State #1H

+N/-S	+E/-W	Northing	Ground Level:	3974.00			
0.00	0.00	619304.70	Easting	Latitude	Longitude	Slot	
			385365.90	32° 42' 7.246 N	104° 42' 21.575 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	4023.00	0.00	360.00	4023.00	0.00	0.00	0.00	360.00	0.00	
3	4780.12	90.00	269.95	4505.00	-0.42	-482.00	11.89	269.95	482.00	
4	5780.12	90.00	269.95	4505.00	-1.29	-1482.00	0.00	0.00	1482.00	
5	5847.18	92.01	269.95	4503.82	-1.35	-1549.04	3.00	-0.01	1549.04	
6	8519.70	92.01	269.95	4410.01	-3.70	-4219.91	0.00	0.00	4219.92	
7	8520.09	92.00	269.95	4410.00	-3.70	-4220.30	0.00	0.00	4220.30	



Permit Conditions of Approval

Operator: EOG RESOURCES INC , 7377

Well: SOURIS 29 STATE #001H

API: 30-015-35751

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	Will require a directional survey with the C-104
BArrant	Please notify OCD time of spud and time to witness the cementing to surface of all strings of casing
BArrant	Drill only, SD required to produce.