

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3C-015- 3591c	Pool Code 97415	Pool Name FOUR MILE DRAW; WOLFCAIRP (G)
Property Code	Property Name SALMON "A" 32 STATE CO.	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 4040'

Surface Location

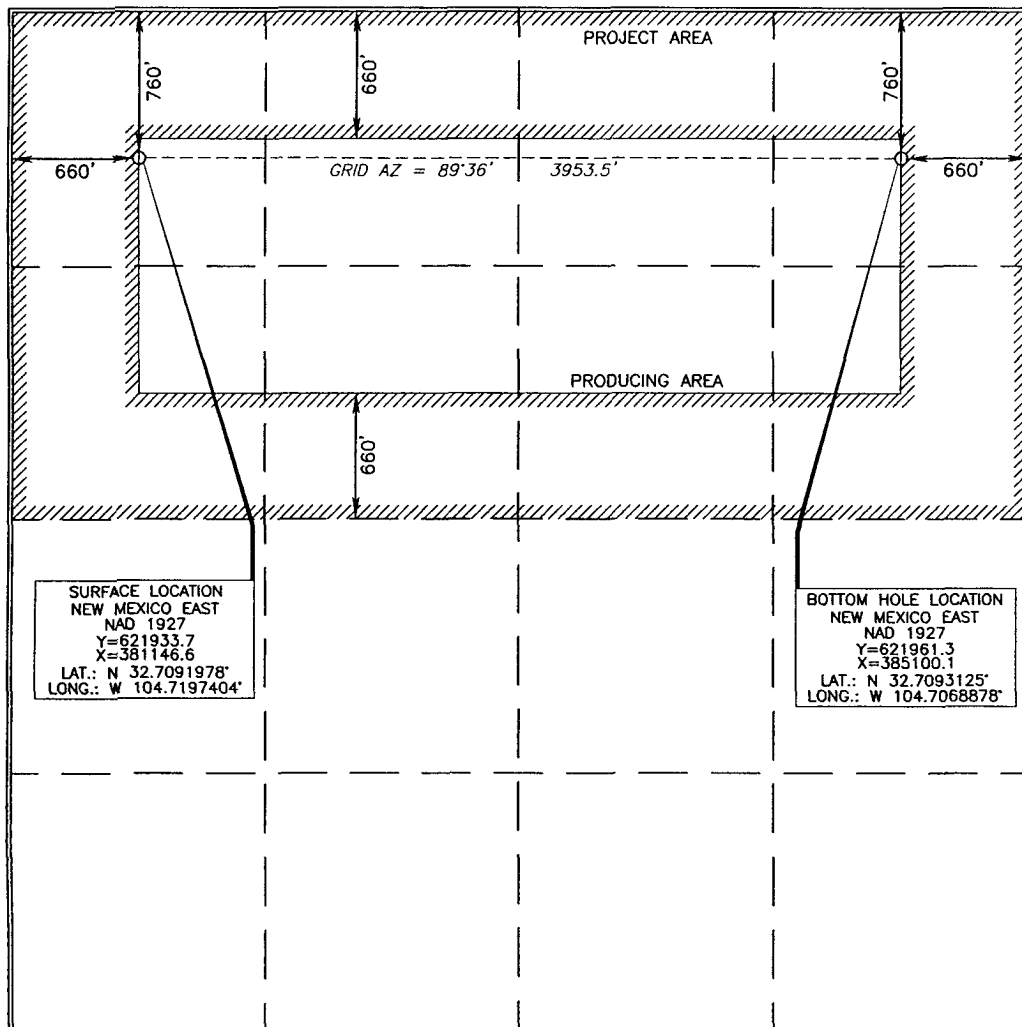
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	18 SOUTH	23 EAST, N.M.P.M.		760	NORTH	660	WEST	EDDY

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
A	32	18 SOUTH	23 EAST, N.M.P.M.		760	NORTH	660	EAST	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 11/2/2007
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 of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 17, 2007
Date of Survey

Signature and Seal of Professional Surveyor

Terry J. Paul 10-22-2007
Certificate Number 15079

WO# 071017WL-a (KA)

Permit Information:*State*Well Name: Salmon A 32 ~~Fee~~ Com #1H**Location:**

SL 760' FNL & 660' FWL, Section 32, T-18-S, R-23-E, Eddy Co., N.M.

BHL 760' FNL & 660' FEL, 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' 1200'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,149'	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
8,149'	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
3,918' – 8,149'	Polymer (Lateral)	9.0-9.4	40-45	10-25



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

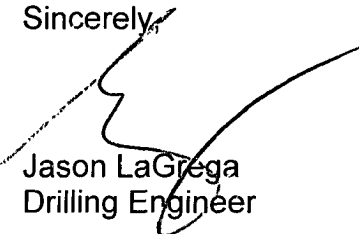
October 31, 2007

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 A 32 ^{State} Fee Com #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

EOG RESOURCES INC.

Planning Report

State

Database:	EDM	Local Co-ordinate Reference:	Well Salmon A 32 Fee Com #1H (W)
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 4059.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4059.00ft (Original Well Elev)
Site:	Salmon A 32 Fee Com #1H (W)	North Reference:	Grid
Well:	Salmon A 32 Fee Com #1H (W)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Salmon A 32 Fee Com #1H (W)		
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 A 32 Fee Com #1H (W)		
Site Position:		Northing:	621,933.70 ft
From:	Map	Easting:	381,146.60 ft
Position Uncertainty:	0 00 ft	Slot Radius:	"
		Latitude:	32° 42' 33.112 N
		Longitude:	104° 43' 11.065 W
		Grid Convergence:	-0.21 °

Well	Salmon A 32 Fee Com #1H (W)					
Well Position	+N/-S	0 00 ft	Northing:	621,933.70 ft	Latitude:	32° 42' 33.112 N
	+E/-W	0.00 ft	Easting:	381,146.60 ft	Longitude:	104° 43' 11.065 W
Position Uncertainty		0 00 ft	Wellhead Elevation:	ft	Ground Level:	4,040.00 ft

State					
Wellbore	Salmon A 32 Fee Com #1H (W)				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2005	10/31/2007	(°)	(°)	(nT)
			8.56	60.50	49,087

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)	(°)
	4,522.00	0.00	0.00	89.60

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	
3,918.00	0 00	360.00	3,918.00	0 00	0 00	0 00	0 00	0 00	360 00	
4,658.75	88.00	89.60	4,400.00	3.25	465.45	11.88	11.88	0.00	89.60	
4,658.85	88 00	89 60	4,400.00	3 25	465 56	3 00	-3.00	0 02	0 00	
8,148.91	88 00	89 60	4,522.00	27.60	3,953.40	0.00	0 00	0 00	0.00	
8,149.02	88.00	89 60	4,522.00	27.60	3,953 50	3 00	3.00	-0.02	0.00	BHL (Salmon A #1)

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Salmon A 32 Fee Com #1H (W)
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 4059.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4059.00ft (Original Well Elev)
Site:	Salmon A 32 Fee Com #1H (W)	North Reference:	Grid
Well:	Salmon A 32 Fee Com #1H (W)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Salmon A 32 Fee Com #1H (W)		
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	
3,918.00	0.00	360.00	3,918.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	9.74	89.60	3,999.61	0.05	6.95	6.95	11.88	11.88	0.00	
4,100.00	21.62	89.60	4,095.71	0.24	33.93	33.93	11.88	11.88	0.00	
4,200.00	33.50	89.60	4,184.20	0.56	80.12	80.12	11.88	11.88	0.00	
4,300.00	45.38	89.60	4,261.29	1.00	143.53	143.54	11.88	11.88	0.00	
4,400.00	57.26	89.60	4,323.68	1.55	221.46	221.46	11.88	11.88	0.00	
4,500.00	69.14	89.60	4,368.68	2.17	310.55	310.56	11.88	11.88	0.00	
4,600.00	81.02	89.60	4,394.38	2.84	407.01	407.02	11.88	11.88	0.00	
4,658.75	88.00	89.60	4,400.00	3.25	465.45	465.46	11.88	11.88	0.00	
4,658.85	88.00	89.60	4,400.00	3.25	465.56	465.57	3.00	-3.00	0.02	
4,700.00	88.00	89.60	4,401.44	3.54	506.67	506.69	0.00	0.00	0.00	
4,800.00	88.00	89.60	4,404.94	4.23	606.61	606.63	0.00	0.00	0.00	
4,900.00	88.00	89.60	4,408.43	4.93	706.55	706.56	0.00	0.00	0.00	
5,000.00	88.00	89.60	4,411.93	5.63	806.48	806.50	0.00	0.00	0.00	

EOG RESOURCES INC.

Planning Report

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Company:	EOG - Midland (3)	TVD Reference:	WELL @ 4059.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4059.00ft (Original Well Elev)
Site:	Salmon A 32 Fee Com #1H (W)	North Reference:	Grid
Well:	Salmon A 32 Fee Com #1H (W)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Salmon A 32 Fee Com #1H (W)		
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)
5,100.00	88.00	89.60	4,415.42	6.33	906.42	906.44	0.00	0.00	0.00
5,200.00	88.00	89.60	4,418.92	7.03	1,006.36	1,006.38	0.00	0.00	0.00
5,300.00	88.00	89.60	4,422.41	7.72	1,106.29	1,106.32	0.00	0.00	0.00
5,400.00	88.00	89.60	4,425.91	8.42	1,206.23	1,206.26	0.00	0.00	0.00
5,500.00	88.00	89.60	4,429.41	9.12	1,306.17	1,306.20	0.00	0.00	0.00
5,600.00	88.00	89.60	4,432.90	9.82	1,406.10	1,406.14	0.00	0.00	0.00
5,700.00	88.00	89.60	4,436.40	10.51	1,506.04	1,506.08	0.00	0.00	0.00
5,800.00	88.00	89.60	4,439.89	11.21	1,605.98	1,606.01	0.00	0.00	0.00
5,900.00	88.00	89.60	4,443.39	11.91	1,705.91	1,705.95	0.00	0.00	0.00
6,000.00	88.00	89.60	4,446.88	12.61	1,805.85	1,805.89	0.00	0.00	0.00
6,100.00	88.00	89.60	4,450.38	13.30	1,905.78	1,905.83	0.00	0.00	0.00
6,200.00	88.00	89.60	4,453.87	14.00	2,005.72	2,005.77	0.00	0.00	0.00
6,300.00	88.00	89.60	4,457.37	14.70	2,105.66	2,105.71	0.00	0.00	0.00
6,400.00	88.00	89.60	4,460.86	15.40	2,205.59	2,205.65	0.00	0.00	0.00
6,500.00	88.00	89.60	4,464.36	16.10	2,305.53	2,305.59	0.00	0.00	0.00
6,600.00	88.00	89.60	4,467.86	16.79	2,405.47	2,405.53	0.00	0.00	0.00
6,700.00	88.00	89.60	4,471.35	17.49	2,505.40	2,505.46	0.00	0.00	0.00
6,800.00	88.00	89.60	4,474.85	18.19	2,605.34	2,605.40	0.00	0.00	0.00
6,900.00	88.00	89.60	4,478.34	18.89	2,705.28	2,705.34	0.00	0.00	0.00
7,000.00	88.00	89.60	4,481.84	19.58	2,805.21	2,805.28	0.00	0.00	0.00
7,100.00	88.00	89.60	4,485.33	20.28	2,905.15	2,905.22	0.00	0.00	0.00
7,200.00	88.00	89.60	4,488.83	20.98	3,005.09	3,005.16	0.00	0.00	0.00
7,300.00	88.00	89.60	4,492.32	21.68	3,105.02	3,105.10	0.00	0.00	0.00
7,400.00	88.00	89.60	4,495.82	22.37	3,204.96	3,205.04	0.00	0.00	0.00
7,500.00	88.00	89.60	4,499.31	23.07	3,304.90	3,304.98	0.00	0.00	0.00
7,600.00	88.00	89.60	4,502.81	23.77	3,404.83	3,404.91	0.00	0.00	0.00
7,700.00	88.00	89.60	4,506.30	24.47	3,504.77	3,504.85	0.00	0.00	0.00
7,800.00	88.00	89.60	4,509.80	25.17	3,604.70	3,604.79	0.00	0.00	0.00
7,900.00	88.00	89.60	4,513.30	25.86	3,704.64	3,704.73	0.00	0.00	0.00
8,000.00	88.00	89.60	4,516.79	26.56	3,804.58	3,804.67	0.00	0.00	0.00
8,100.00	88.00	89.60	4,520.29	27.26	3,904.51	3,904.61	0.00	0.00	0.00
8,148.91	88.00	89.60	4,522.00	27.60	3,953.40	3,953.49	0.00	0.00	0.00
8,149.02	88.00	89.60	4,522.00	27.60	3,953.50	3,953.60	3.00	3.00	-0.02
BHL (Salmon A #1H W)									

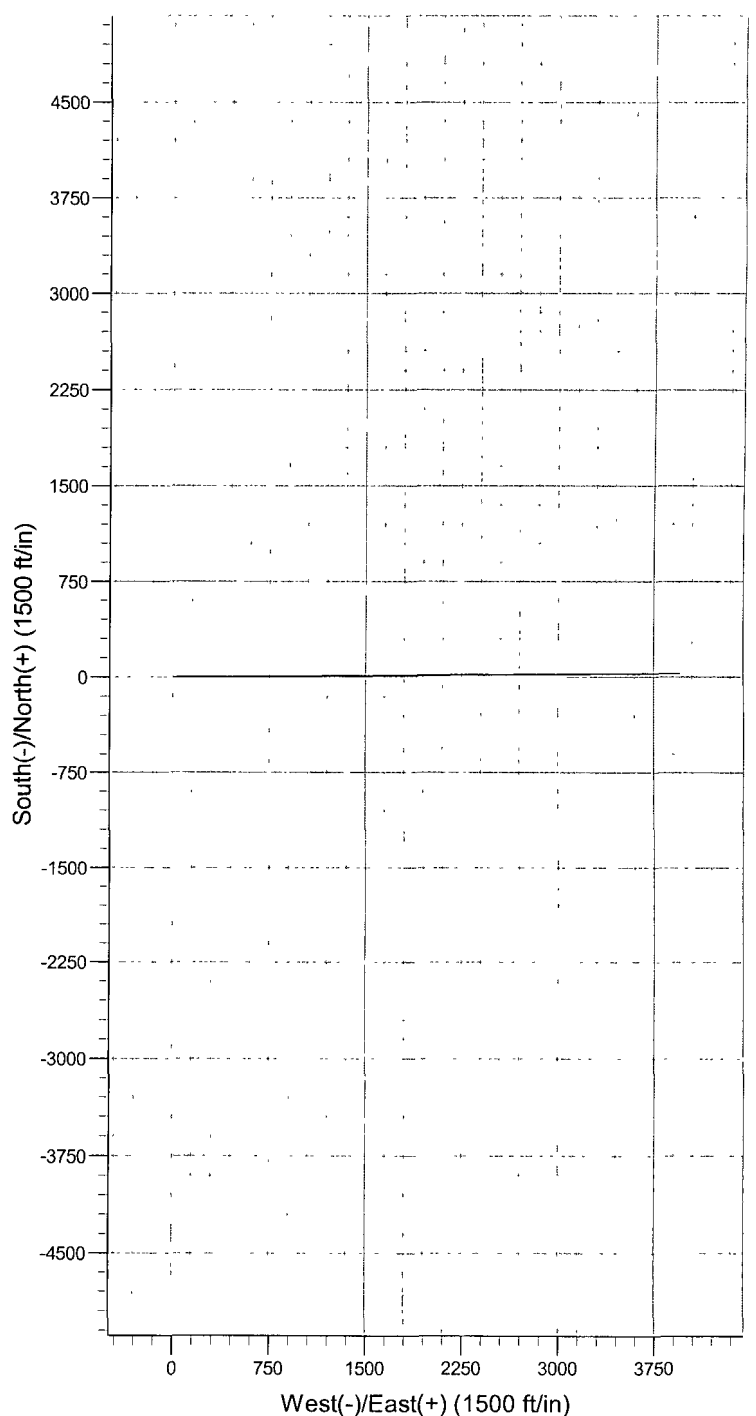
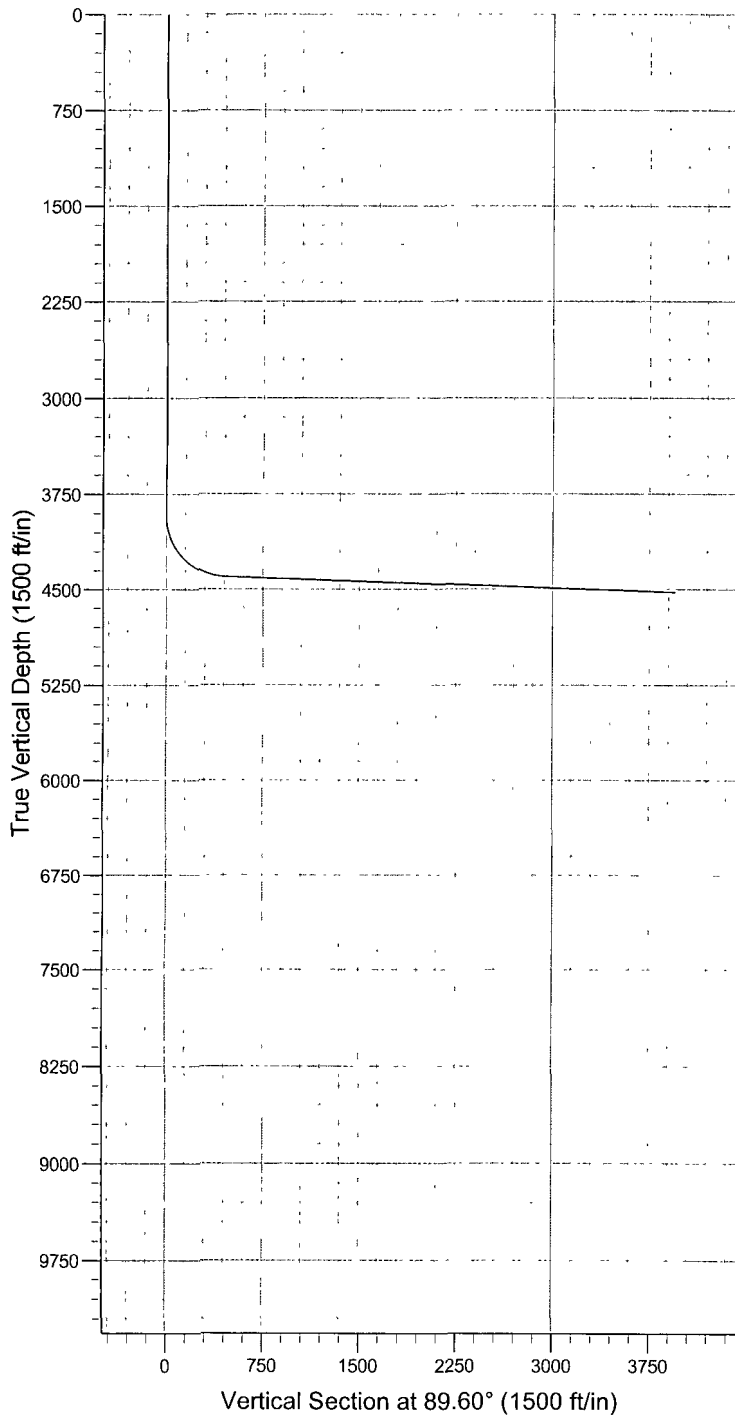
Targets									
Target Name	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
-hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
-Shape									
BHL (Salmon A #1H W)	0.00	360.00	4,522.00	27.60	3,953.50	621,961.30	385,100.10	32° 42' 33.525 N	104° 42' 24.796 W
- plan hits target									
- Point									

WELL DETAILS: Salmon A 32 Fee Com #1H (W)

+N/-S	+E/-W	Northing	Ground Level:	4040.00		
0.00	0.00	621933.70	Easting	381146.60	Latitude	Longitude
				32° 42' 33.112 N	104° 43' 11.065 W	Slot

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	3918.00	0.00	360.00	3918.00	0.00	0.00	0.00	360.00	0.00	
3	4658.75	88.00	89.60	4400.00	3.25	465.45	11.88	89.60	465.46	
4	4658.85	88.00	89.60	4400.00	3.25	465.56	3.00	0.00	465.57	
5	8148.91	88.00	89.60	4522.00	27.60	3953.40	0.00	0.00	3953.49	
6	8149.02	88.00	89.60	4522.00	27.60	3953.50	0.00	0.00	3953.60	



New Mexico Double Horseshoe Reserve Pit Design

