

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 C30-015-34610	Pool Code 75260	Pool Name Cottonwood Creek; WC, West (Gas)
Property Code 35440	Property Name NUECES A 10 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3584'

Surface Location

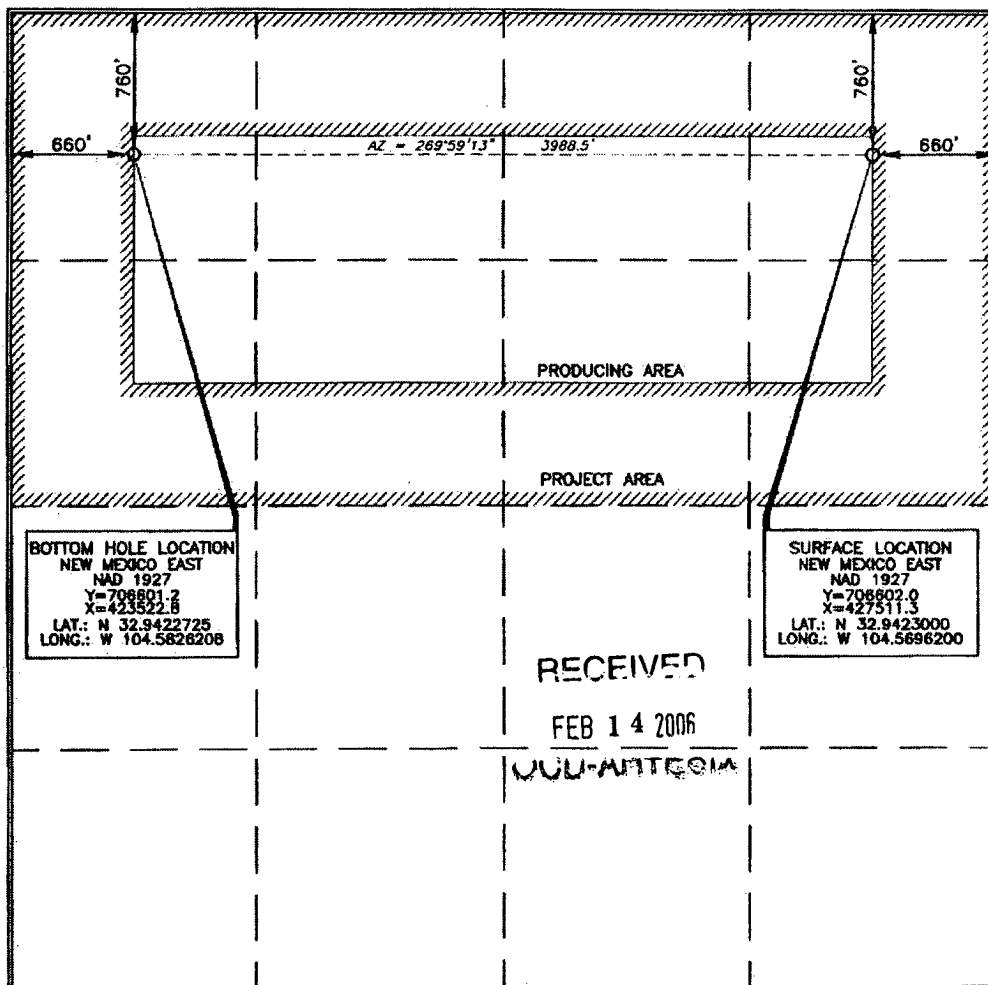
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	16 SOUTH	24 EAST, N.M.P.M.		760	NORTH	660'	EAST	EDDY

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
D	10	16 SOUTH	24 EAST, N.M.P.M.		760	NORTH	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 **2/13/06**
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 a valid survey made by me or under my supervision and that the same is true and correct to the best of my belief.

JANUARY 24, 2006
Date of Survey

Signature and Seal of Professional Surveyor

Terry G. Auel
Certificate Number **15079**

WOP 060119WL-a (CDG)

Permit Information:

Well Name: Nueces A 10 Fee Com #1H

Location:

SL 760' FNL & 660' FEL, Section 10, T-16-S, R-24-E, Eddy Co., N.M.
BHL 760' FNL & 660' FWL, Section 10, T-16-S, R-24-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	900'	9-7/8"	7"	23#	J-55	Surface
Production	8,475'	6-1/8"	4 1/2"	11.6#	P-110	Surface

Cement Program:

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
8,475'	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 – 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' – 5,200'	Cut Brine	8.8-9.2	28-34	10-15
4,200' – 8,475'	Polymer (Lateral)	9.0-9.4	40-45	10-20



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(915) 686-3600

February 10, 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 Nueces A 10 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

RECEIVED
FEB 14 2006
OCD-ARTESIA

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Nueces A 10 Fee Com #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3601.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3601.0ft (Original Well Elev)
Site:	Nueces A 10 Fee Com #1H	North Reference:	Grid
Well:	Nueces A 10 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Nueces A 10 Fee Com #1H		
Design:	Plan #1		

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

Site	Nueces A 10 Fee Com #1H			
Site Position:		Northing:	706,602.00 ft	Latitude: 32° 56' 32.279 N
From:	Map	Easting:	427,511.30 ft	Longitude: 104° 34' 10.632 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: -0.13 °

Well	Nueces A 10 Fee Com #1H			
Well Position	+N/-S	0.0 ft	Northing:	706,602.00 ft
	+E/-W	0.0 ft	Easting:	427,511.30 ft
Position Uncertainty	0.0 ft		Wellhead Elevation:	ft
			Ground Level:	3,584.0 ft

Wellbore	Nueces A 10 Fee Com #1H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	2/10/2006	8.71	60.78	49,453

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	4,618.0	0.0	0.0	269.99

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,268.0	0.00	0.00	4,268.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,868.0	90.00	270.00	4,650.0	0.0	-382.0	15.00	15.00	0.00	270.00	
4,885.0	90.51	269.99	4,649.9	0.0	-398.9	3.00	3.00	-0.08	-1.43	
8,474.4	90.51	269.99	4,618.0	-0.8	-3,988.2	0.00	0.00	0.00	0.00	
8,474.7	90.50	269.99	4,618.0	-0.8	-3,988.5	3.00	-2.87	0.86	163.27	BHL (Nueces A 10

EOG RESOURCES INC.

Planning Report

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Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3601.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3601.0ft (Original Well Elev)
Site:	Nueces A 10 Fee Com #1H	North Reference:	Grid
Well:	Nueces A 10 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Nueces A 10 Fee Com #1H		
Design:	Plan #1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,268.0	0.00	0.00	4,268.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	4.80	270.00	4,300.0	0.0	-1.3	1.3	15.00	15.00	0.00
4,400.0	19.80	270.00	4,397.4	0.0	-22.6	22.6	15.00	15.00	0.00
4,500.0	34.80	270.00	4,486.0	0.0	-68.3	68.3	15.00	15.00	0.00
4,600.0	49.80	270.00	4,559.7	0.0	-135.4	135.4	15.00	15.00	0.00
4,700.0	64.80	270.00	4,613.6	0.0	-219.3	219.3	15.00	15.00	0.00
4,800.0	79.80	270.00	4,643.9	0.0	-314.3	314.3	15.00	15.00	0.00
4,868.0	90.00	270.00	4,650.0	0.0	-382.0	382.0	15.00	15.00	0.00
4,885.0	90.51	269.99	4,649.9	0.0	-398.9	398.9	3.00	3.00	-0.08
4,900.0	90.51	269.99	4,649.8	0.0	-414.0	414.0	0.00	0.00	0.00
5,000.0	90.51	269.99	4,648.9	0.0	-514.0	514.0	0.00	0.00	0.00

EOG RESOURCES INC.

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Well:	Nueces A 10 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Nueces A 10 Fee Com #1H		
Design:	Plan #1		

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)
5,100.0	90.51	269.99	4,648.0	0.0	-614.0	614.0	0.00	0.00	0.00
5,200.0	90.51	269.99	4,647.1	-0.1	-714.0	714.0	0.00	0.00	0.00
5,300.0	90.51	269.99	4,646.2	-0.1	-814.0	814.0	0.00	0.00	0.00
5,400.0	90.51	269.99	4,645.3	-0.1	-914.0	914.0	0.00	0.00	0.00
5,500.0	90.51	269.99	4,644.4	-0.1	-1,013.9	1,013.9	0.00	0.00	0.00
5,600.0	90.51	269.99	4,643.5	-0.2	-1,113.9	1,113.9	0.00	0.00	0.00
5,700.0	90.51	269.99	4,642.7	-0.2	-1,213.9	1,213.9	0.00	0.00	0.00
5,800.0	90.51	269.99	4,641.8	-0.2	-1,313.9	1,313.9	0.00	0.00	0.00
5,900.0	90.51	269.99	4,640.9	-0.2	-1,413.9	1,413.9	0.00	0.00	0.00
6,000.0	90.51	269.99	4,640.0	-0.2	-1,513.9	1,513.9	0.00	0.00	0.00
6,100.0	90.51	269.99	4,639.1	-0.3	-1,613.9	1,613.9	0.00	0.00	0.00
6,200.0	90.51	269.99	4,638.2	-0.3	-1,713.9	1,713.9	0.00	0.00	0.00
6,300.0	90.51	269.99	4,637.3	-0.3	-1,813.9	1,813.9	0.00	0.00	0.00
6,400.0	90.51	269.99	4,636.4	-0.3	-1,913.9	1,913.9	0.00	0.00	0.00
6,500.0	90.51	269.99	4,635.5	-0.4	-2,013.9	2,013.9	0.00	0.00	0.00
6,600.0	90.51	269.99	4,634.7	-0.4	-2,113.9	2,113.9	0.00	0.00	0.00
6,700.0	90.51	269.99	4,633.8	-0.4	-2,213.9	2,213.9	0.00	0.00	0.00
6,800.0	90.51	269.99	4,632.9	-0.4	-2,313.9	2,313.9	0.00	0.00	0.00
6,900.0	90.51	269.99	4,632.0	-0.4	-2,413.9	2,413.9	0.00	0.00	0.00
7,000.0	90.51	269.99	4,631.1	-0.5	-2,513.9	2,513.9	0.00	0.00	0.00
7,100.0	90.51	269.99	4,630.2	-0.5	-2,613.9	2,613.9	0.00	0.00	0.00
7,200.0	90.51	269.99	4,629.3	-0.5	-2,713.9	2,713.9	0.00	0.00	0.00
7,300.0	90.51	269.99	4,628.4	-0.5	-2,813.9	2,813.9	0.00	0.00	0.00
7,400.0	90.51	269.99	4,627.5	-0.6	-2,913.9	2,913.9	0.00	0.00	0.00
7,500.0	90.51	269.99	4,626.7	-0.6	-3,013.9	3,013.9	0.00	0.00	0.00
7,600.0	90.51	269.99	4,625.8	-0.6	-3,113.9	3,113.9	0.00	0.00	0.00
7,700.0	90.51	269.99	4,624.9	-0.6	-3,213.9	3,213.9	0.00	0.00	0.00
7,800.0	90.51	269.99	4,624.0	-0.7	-3,313.9	3,313.9	0.00	0.00	0.00
7,900.0	90.51	269.99	4,623.1	-0.7	-3,413.9	3,413.9	0.00	0.00	0.00
8,000.0	90.51	269.99	4,622.2	-0.7	-3,513.8	3,513.8	0.00	0.00	0.00
8,100.0	90.51	269.99	4,621.3	-0.7	-3,613.8	3,613.8	0.00	0.00	0.00
8,200.0	90.51	269.99	4,620.4	-0.7	-3,713.8	3,713.8	0.00	0.00	0.00
8,300.0	90.51	269.99	4,619.6	-0.8	-3,813.8	3,813.8	0.00	0.00	0.00
8,400.0	90.51	269.99	4,618.7	-0.8	-3,913.8	3,913.8	0.00	0.00	0.00
8,474.4	90.51	269.99	4,618.0	-0.8	-3,988.2	3,988.2	0.00	0.00	0.00
8,474.7	90.50	269.99	4,618.0	-0.8	-3,988.5	3,988.5	3.00	-2.87	0.86

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL (Nueces A 10 #1	0.00	0.00	4,618.0	-0.8	-3,988.5	706,601.20	423,522.80	32° 56' 32.181 N	104° 34' 57.435 W
- plan hits target									
- Point									

SITE DETAILS: Nueces A 10 Fee Com #1H

Site Centre Northing: 706602.00
Easting: 427511.30

Positional Uncertainty: 0.0
Convergence: -0.13
Local North: Grid

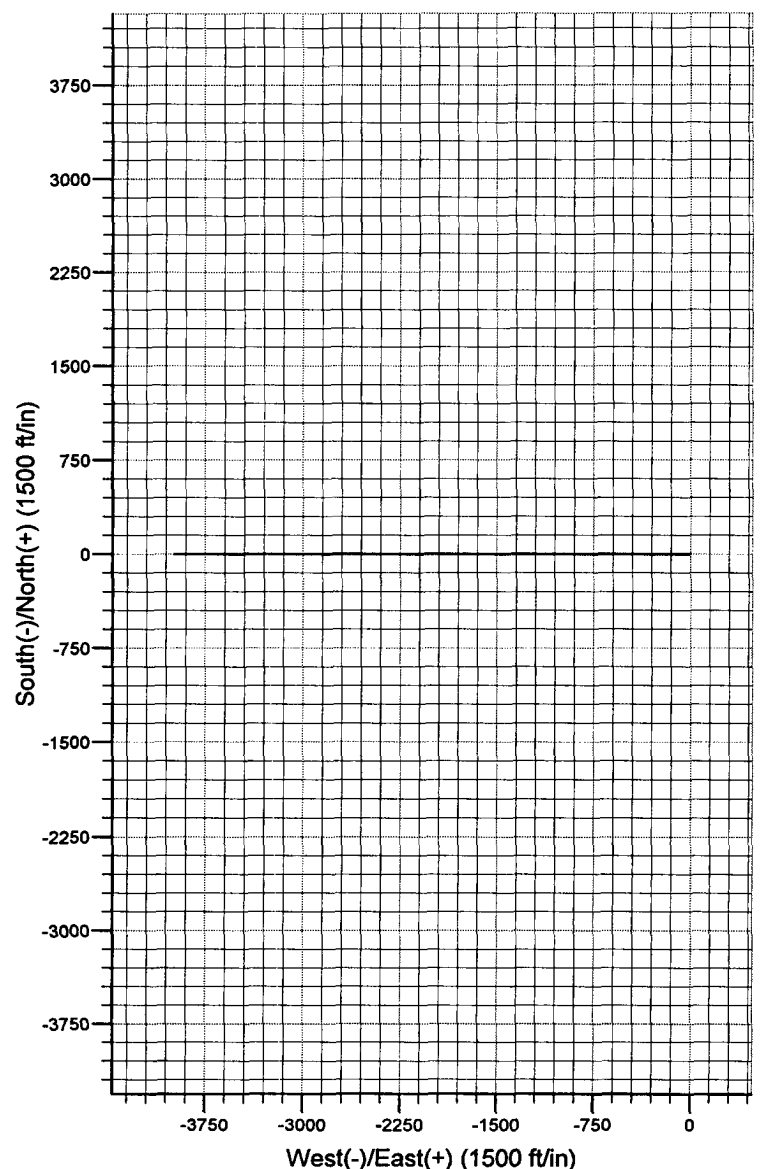
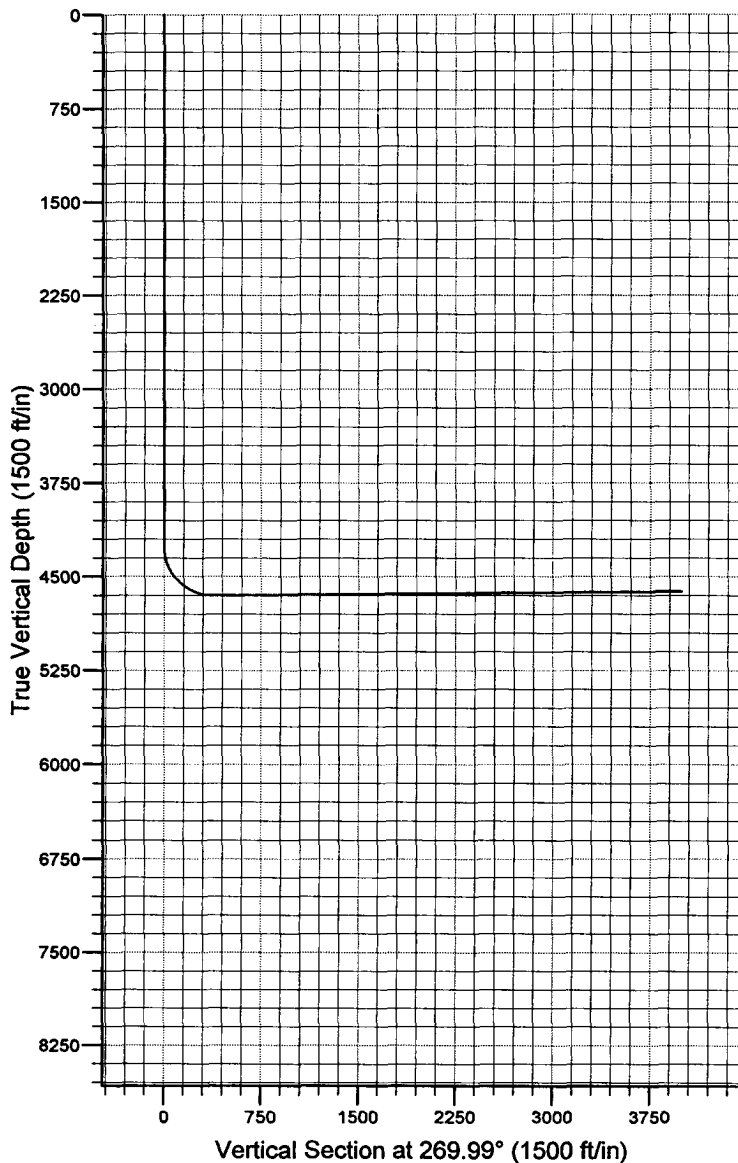
PROJECT DETAILS: Thames

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

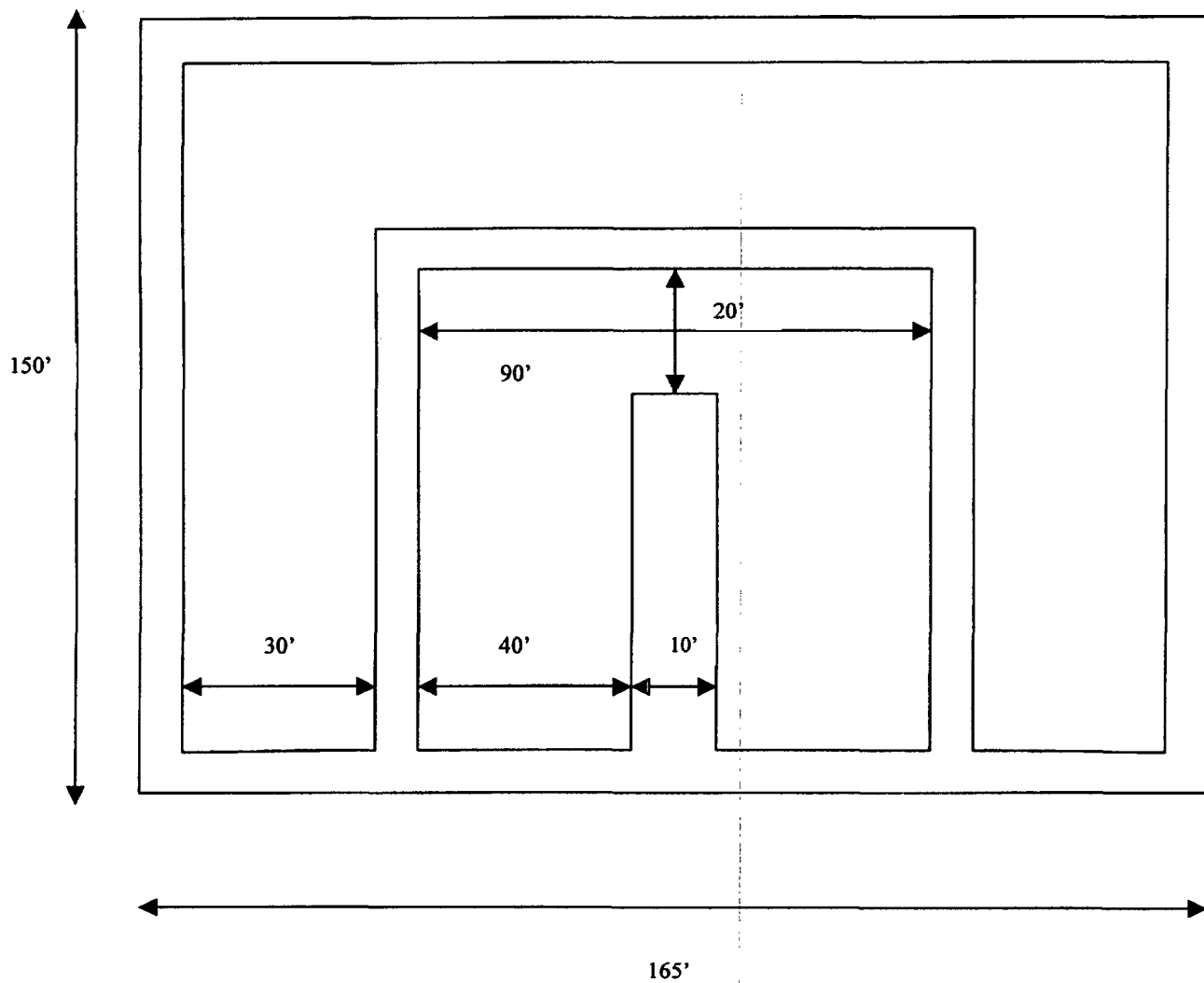
System Datum: Mean Sea Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4268.0	0.00	0.00	4268.0	0.0	0.0	0.00	0.00	0.0	
4868.0	90.00	270.00	4650.0	0.0	-382.0	15.00	270.00	382.0	
4885.0	90.51	269.99	4649.9	0.0	-398.9	3.00	-1.43	398.9	
8474.4	90.51	269.99	4618.0	-0.8	-3988.2	0.00	0.00	3988.2	
8474.7	90.50	269.99	4618.0	-0.8	-3988.5	3.00	163.27	3988.5	BHL (Nueces A 10 #1H)



New Mexico Double Horseshoe Reserve Pit Design



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