

DISTRITG I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34422		² Pool Code 75010		³ Pool Name Collins Ranch Wolfcamp	
⁴ Property Code		⁵ Property Name NILE STATE "22" COM			⁶ Well Number 2H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3765'

¹⁰Surface Location

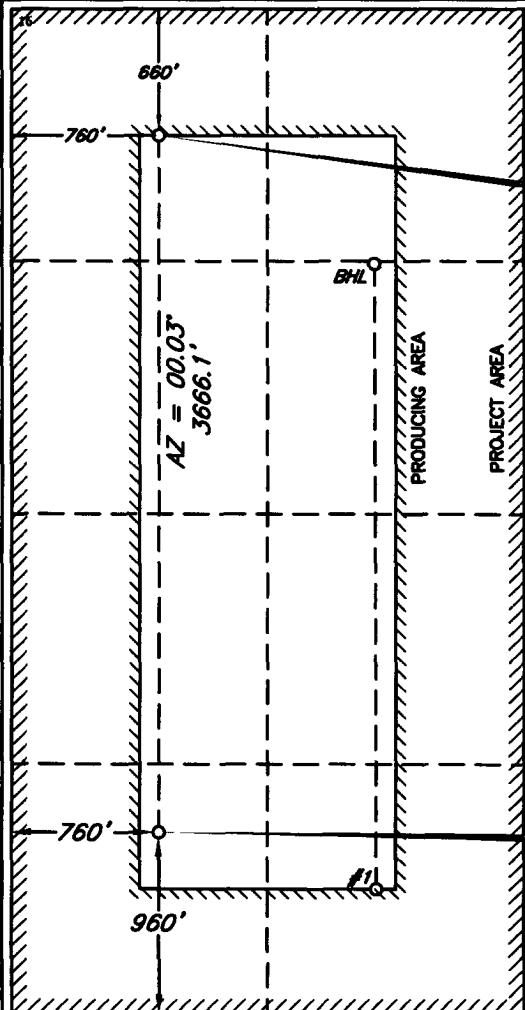
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	17 SOUTH	24 EAST, N.M.P.M.		960'	SOUTH	760'	WEST	EDDY

¹¹Bottom 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	22	17 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	760'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

 BHL X = 423533 Y = 664432 LAT.: N 32.8263618 LONG.: W 104.5822640 RECEIVED OCT 24 2005 OCD-ARTESIA SD-05-07 NAD 27 NME ZONE X = 423531 Y = 660765 LAT.: N 32.8162846 LONG.: W 104.5822420	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Mike Francis</i> Signature Mike Francis Printed Name Agent Title 1/19/2005 Date ¹⁸ 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. SEPTEMBER 30, 2005 Date of Survey <i>V. Lynn Bezner</i> Signature and Seal of Professional Surveyor STATE OF NEW MEXICO V. LYNN BEZNER NO 7920 PROFESSIONAL LAND SURVEYOR Certificate Number V. L. BEZNER R.P.S. #7920 JOB #106714 / 101 SE / E.U.O.
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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: EOG Resources, Inc. Telephone: 432 686-3714 e-mail address: mike_francis@eogresources.com
Address: P.O. Box 2267 Midland Tx. 79702
Facility or well name: Nile State 22 Com APT# U/L or Qtr/Qtr M Sec 22 T 17 R 24
County: Eddy Latitude 32.8162846 Longitude 104.5822410 NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>12</u> mil Clay ☐ Volume <u>7000</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not: _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) <u>100 feet or more</u> (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) <u>No</u> (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) <u>200 feet or more, but less than 1000 feet</u> (10 points) 1000 feet or more (0 points)
Ranking Score (Total Points)	

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite ☐ offsite ☐ If offsite, name of facility: _____ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Date: 10/10/05

Printed Name/Title: Mike Francis

Signature: Mike Francis

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: OCT 14 2005

Date: _____

Printed Name/Title: _____

Field Supervisor

Signature: [Signature]

Permit Information:

Well Name: Nile 22 State Com #2H

Location:

SL 960' FSL & 760' FWL, Section 22, T-17-S, R-24-E, Eddy Co., N.M.

BHL 660' FNL & 760' FWL, Section 22, T-17-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'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,455'	7-7/8"	4 1/2"	11.6/ 13.5 #	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
8,455'	500	Lead: Interfill C + 1/4 pps Flocele
	400	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' – 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,568' – 8,455'	Polymer (Lateral)	9.0-9.4	40-45	10-20



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

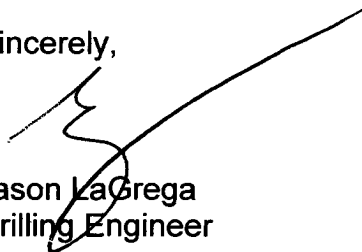
October 12, 2005

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 Nile 22 State Com #2H. 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

Database: RDRILL.eogresources.com
Company: EOG Midland
Project: Thames
Site: Nile 22 State Com #2H
Well: Nile 22 State Com #2H
Wellbore: Nile 22 State Com #2H
Design: Plan #1

Local Co-ordinate Reference: Well Nile 22 State Com #2H
TVD Reference: WELL @ 3765.0ft (Original Well Elev)
MD Reference: WELL @ 3765.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Thames

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

System Datum: Mean Sea Level

Site Nile 22 State Com #2H

Site Position:		Northing:	660,765.00ft	Latitude:	32° 48' 58.620 N
From:	Map	Easting:	423,531.00ft	Longitude:	104° 34' 56.070 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.13 °

Well Nile 22 State Com #2H

Well Position	+N/-S	0.0 ft	Northing:	660,765.00 ft	Latitude:	32° 48' 58.620 N
	+E/-W	0.0 ft	Easting:	423,531.00 ft	Longitude:	104° 34' 56.070 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore Nile 22 State Com #2H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	12/31/2004	9.08	60.79	49,653

Design Plan #1

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	0.03

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	
4,568.0	0.00	0.00	4,568.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,168.0	90.00	0.03	4,950.0	382.0	0.2	15.00	15.00	0.00	0.03	
5,226.6	91.76	0.03	4,949.1	440.6	0.2	3.00	3.00	0.00	0.05	
8,454.5	91.76	0.03	4,850.0	3,666.9	2.0	0.00	0.00	0.00	0.00	
8,454.6	91.76	0.03	4,850.0	3,667.0	2.0	3.00	1.94	-2.29	-49.64	BHL(Nile#2H)

EOG Resources Inc

Planning Report

Database: RDRILL.eogresources.com
Company: EOG Midland
Project: Thames
Site: Nile 22 State Com #2H
Well: Nile 22 State Com #2H
Wellbore: Nile 22 State Com #2H
Design: Plan #1

Local Co-ordinate Reference: Well Nile 22 State Com #2H
TVD Reference: WELL @ 3765.0ft (Original Well Elev)
MD Reference: WELL @ 3765.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: 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)
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
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,568.0	0.00	0.00	4,568.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	4.80	0.03	4,600.0	1.3	0.0	1.3	15.00	15.00	0.00
4,700.0	19.80	0.03	4,697.4	22.6	0.0	22.6	15.00	15.00	0.00
4,800.0	34.80	0.03	4,786.0	68.3	0.0	68.3	15.00	15.00	0.00
4,900.0	49.80	0.03	4,859.7	135.4	0.1	135.4	15.00	15.00	0.00
5,000.0	64.80	0.03	4,913.6	219.3	0.1	219.3	15.00	15.00	0.00
5,100.0	79.80	0.03	4,943.9	314.3	0.2	314.3	15.00	15.00	0.00
5,168.0	90.00	0.03	4,950.0	382.0	0.2	382.0	15.00	15.00	0.00

EOG Resources Inc

Planning Report

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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)
5,200.0	90.96	0.03	4,949.7	414.0	0.2	414.0	3.00	3.00	0.00
5,226.6	91.76	0.03	4,949.1	440.6	0.2	440.6	3.00	3.00	0.00
5,300.0	91.76	0.03	4,946.8	513.9	0.3	513.9	0.00	0.00	0.00
5,400.0	91.76	0.03	4,943.8	613.9	0.3	613.9	0.00	0.00	0.00
5,500.0	91.76	0.03	4,940.7	713.8	0.4	713.8	0.00	0.00	0.00
5,600.0	91.76	0.03	4,937.6	813.8	0.4	813.8	0.00	0.00	0.00
5,700.0	91.76	0.03	4,934.5	913.7	0.5	913.7	0.00	0.00	0.00
5,800.0	91.76	0.03	4,931.5	1,013.7	0.5	1,013.7	0.00	0.00	0.00
5,900.0	91.76	0.03	4,928.4	1,113.6	0.6	1,113.6	0.00	0.00	0.00
6,000.0	91.76	0.03	4,925.3	1,213.6	0.7	1,213.6	0.00	0.00	0.00
6,100.0	91.76	0.03	4,922.3	1,313.6	0.7	1,313.6	0.00	0.00	0.00
6,200.0	91.76	0.03	4,919.2	1,413.5	0.8	1,413.5	0.00	0.00	0.00
6,300.0	91.76	0.03	4,916.1	1,513.5	0.8	1,513.5	0.00	0.00	0.00
6,400.0	91.76	0.03	4,913.1	1,613.4	0.9	1,613.4	0.00	0.00	0.00
6,500.0	91.76	0.03	4,910.0	1,713.4	0.9	1,713.4	0.00	0.00	0.00
6,600.0	91.76	0.03	4,906.9	1,813.3	1.0	1,813.3	0.00	0.00	0.00
6,700.0	91.76	0.03	4,903.9	1,913.3	1.0	1,913.3	0.00	0.00	0.00
6,800.0	91.76	0.03	4,900.8	2,013.2	1.1	2,013.2	0.00	0.00	0.00
6,900.0	91.76	0.03	4,897.7	2,113.2	1.1	2,113.2	0.00	0.00	0.00
7,000.0	91.76	0.03	4,894.6	2,213.1	1.2	2,213.1	0.00	0.00	0.00
7,100.0	91.76	0.03	4,891.6	2,313.1	1.3	2,313.1	0.00	0.00	0.00
7,200.0	91.76	0.03	4,888.5	2,413.0	1.3	2,413.0	0.00	0.00	0.00
7,300.0	91.76	0.03	4,885.4	2,513.0	1.4	2,513.0	0.00	0.00	0.00
7,400.0	91.76	0.03	4,882.4	2,612.9	1.4	2,612.9	0.00	0.00	0.00
7,500.0	91.76	0.03	4,879.3	2,712.9	1.5	2,712.9	0.00	0.00	0.00
7,600.0	91.76	0.03	4,876.2	2,812.8	1.5	2,812.8	0.00	0.00	0.00
7,700.0	91.76	0.03	4,873.2	2,912.8	1.6	2,912.8	0.00	0.00	0.00
7,800.0	91.76	0.03	4,870.1	3,012.7	1.6	3,012.8	0.00	0.00	0.00
7,900.0	91.76	0.03	4,867.0	3,112.7	1.7	3,112.7	0.00	0.00	0.00
8,000.0	91.76	0.03	4,864.0	3,212.7	1.8	3,212.7	0.00	0.00	0.00
8,100.0	91.76	0.03	4,860.9	3,312.6	1.8	3,312.6	0.00	0.00	0.00
8,200.0	91.76	0.03	4,857.8	3,412.6	1.9	3,412.6	0.00	0.00	0.00
8,300.0	91.76	0.03	4,854.7	3,512.5	1.9	3,512.5	0.00	0.00	0.00
8,400.0	91.76	0.03	4,851.7	3,612.5	2.0	3,612.5	0.00	0.00	0.00
8,454.6	91.76	0.03	4,850.0	3,667.0	2.0	3,667.0	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL(Nile#2H)	0.00	0.00	4,850.0	3,667.0	2.0	664,432.00	423,533.00	32° 49' 34.907 N	104° 34' 56.148 W
- hit/miss target									
- Shape									
- plan hits target									
- Point									

SITE DETAILS: Nile 22 State Com #2H

Site Centre Northing: 660765.00
Easting: 423531.00

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	
4568.0	0.00	0.00	4568.0	0.0	0.0	0.00	0.00	0.0	
5168.0	90.00	0.03	4950.0	382.0	0.2	15.00	0.03	382.0	
5226.6	91.76	0.03	4949.1	440.6	0.2	3.00	0.05	440.6	
8454.5	91.76	0.03	4850.0	3666.9	2.0	0.00	0.00	3666.9	
8454.6	91.76	0.03	4850.0	3667.0	2.0	3.00	-49.64	3667.0	BHL(Nile#2H)

