

eog resources inc

Planning Report

30-015-33597

Company: EOG Resources	Date: 8/23/2004	Time: 14:22:07	Page: 1
Field: Thames	Co-ordinate(NE) Reference: Site Nile State "22" Com #1, Grid North		
Site: Nile State "22" Com #1	Vertical (TVD) Reference: SITE 3771.0		
Well: Nile State "22" Com #1	Section (VS) Reference: Well (0.00N,0.00E,343.88Azi)		
Wellpath: Original Openhole	Plan: Plan #1		

Field: Thames

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2000

Site: Nile State "22" Com #1

Site Position:	Northing: 660468.00 ft	Latitude: 32 48 55.707 N
From: Map	Easting: 424650.00 ft	Longitude: 104 34 42.950 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3753.00 ft		Grid Convergence: -0.13 deg

Well: Nile State "22" Com #1

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 660468.00 ft	Latitude: 32 48 55.707 N
+E/-W 0.00 ft	Easting: 424650.00 ft	Longitude: 104 34 42.950 W
Position Uncertainty: 0.00 ft		

Wellpath: Original Openhole

Current Datum: SITE	Height 3771.00 ft
Magnetic Data: 8/23/2004	
Field Strength: 49710 nT	
Vertical Section: Depth From (TVD) ft	+N/-S ft
0.00	0.00

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 9.10 deg
Mag Dip Angle: 60.79 deg
+E/-W ft
Direction deg
0.00 343.88

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COB-ARTESIA

Plan: Plan #1

Date Composed: 8/23/2004
Version: 1
Tied-to: From Surface

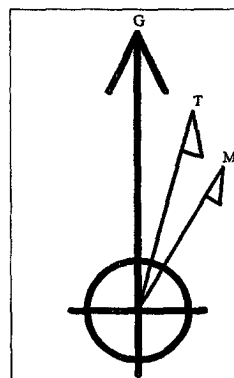
Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DES deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4542.54	0.00	0.00	4542.54	0.00	0.00	0.00	0.00	0.00	0.00	
5292.54	90.00	343.88	5020.00	458.69	-132.57	12.00	12.00	-2.15	343.88	BHL
8837.28	90.00	343.88	5020.00	3864.00	-1117.00	0.00	0.00	0.00	0.00	BHL

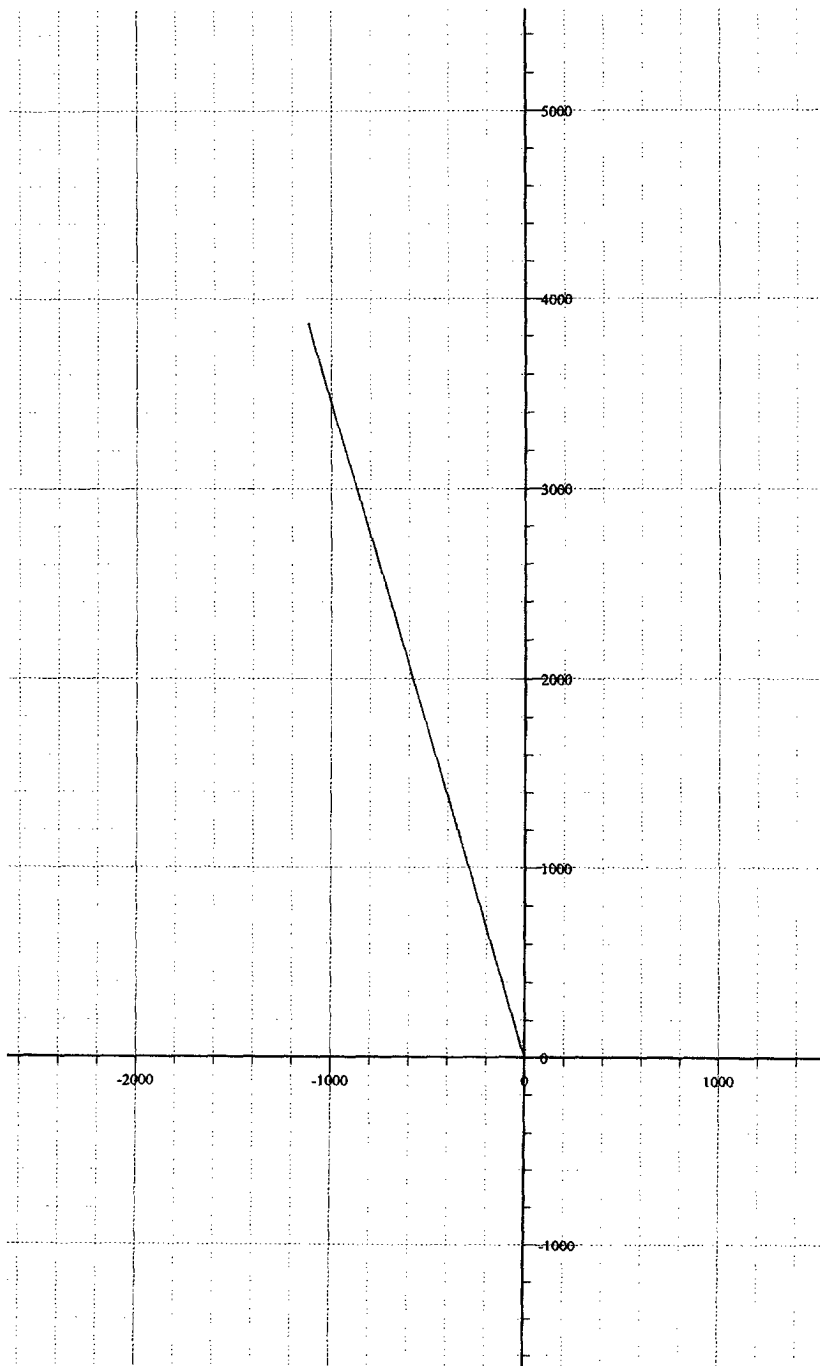


Field: Thames
 Site: Nile State "22" Com #1
 Well: Nile State "22" Com #1
 Wellpath: Original Openhole
 Plan: Plan #1



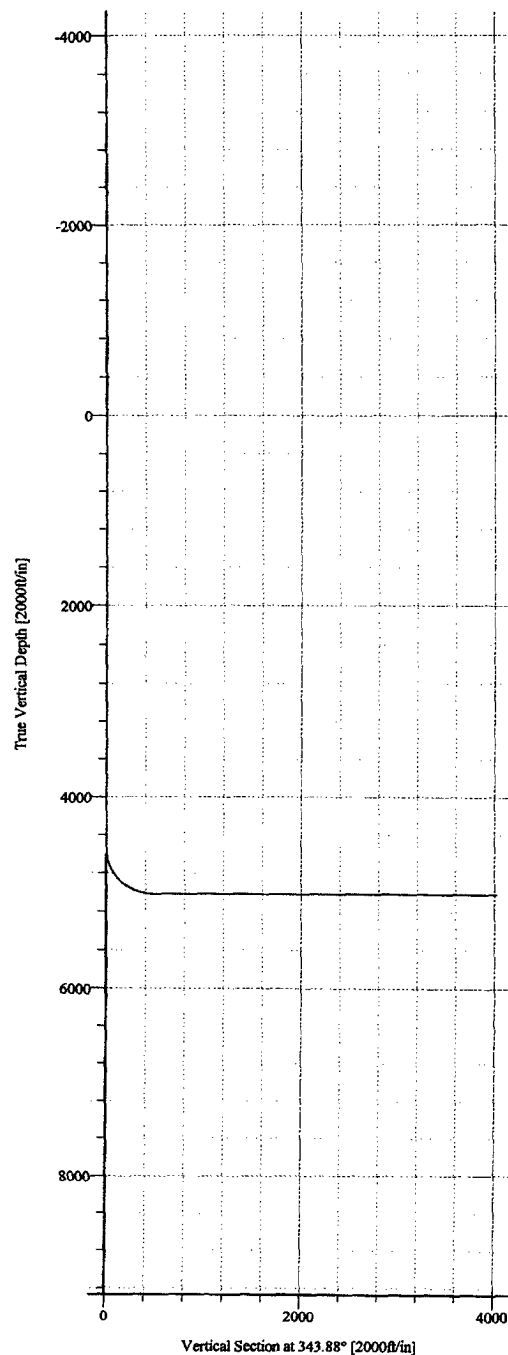
Azimuths to Grid North
 True North: 0.13°
 Magnetic North: 9.23°

Magnetic Field
 Strength: 49710nT
 Dip Angle: 60.79°
 Date: 8/23/2004
 Model: igr2000



West(-)/East(+) [1000ft/in]

South(-)/North(+) [1000ft/in]



Vertical Section at 343.88° [2000ft/in]

Permit Information:

Well Name: Nile 22 State Com No. 1

Location:

SL 660' FSL & 1880 FWL, Sec 22, T-17-S, R-24-E, Eddy Co, NM

BHL 760 FNL & 760 FWL, Sec 22, T-17-S, R-24-E, Eddy Co, NM

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	400'	17 ½"	13 3/8"	48#	H-40	Surface
Intermediate	1,300'	12 ¼"	9 5/8"	40#	J-55	Surface
Production	8,850'MD 5,020'TVD	7 7/8"	5 ½"	17#	L-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
400'	120	Lead: Premium Plus + 3% Econolite + ¼ pps Flocele + 2% CaCl ₂
	200	Tail: Premium Plus + 2% CaCl ₂
1,300'	210	Lead: Interfill "C" + ¼ pps Flocele
	250	Tail: Premium Plus + 1% CaCl ₂
8,850'MD	580	Lead: Interfill "C" 1/4 pps Flocele
5,020'TVD	475	Tail: Acid Soluble Cement + 0.8% Econolite + Fluid Loss additives

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0-400'	Fresh Water(spud)	8.5-8.7	32-34	n/c
400'-1,300'	Fresh Water	8.3-8.4	28-29	n/c
1,300' – 8,850'	Cut Brine	8.9-9.1	28-29	n/c

Game Plan:

Drill a pilot hole to +/- 5,300'. Log. Plug back to +/- 4,400'. Dress off cement plug and KOP at +/- 4542'. Build 12 deg/100 ft to 90 degrees. If no hole problems at end of curve reduce the hole size from 8 ¾" to 7 7/8" and drill lateral to 8,837' MD / +/- 5,020' TVD. Run and cement 5 ½" casing.

If have problems will run 7" casing thru the end of the curve.