

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-34478
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SAN SABA B 12 FEE
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Cottonwood Creek; WC West (Gas)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator
EOG Resources, Inc

3. Address of Operator
P.O. Box 2267 Midland, Texas 79702

4. Well Location
Unit Letter: I: 1,964 feet from the South line and 413 feet from the East line
Section 12 Township 16S Range 24E NMPM County: Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3545

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☒	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

AMEND CASING PROGRAM & CEMENT PROGRAM. See Exhibit "A" attached hereto.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any 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 ☐.

SIGNATURE Donny G. Glanton TITLE: Agent DATE 10/9/06

Type or print name E-mail address: donny_glanton@eogresources.com Telephone No. (432) 686-3642

For State Use Only

BRYAN G. ARRANT

DISTRICT II GEOLOGIST

APPROVED BY: _____ TITLE _____ DATE OCT 11 2006

Conditions of Approval (if any):

See Steps

Permit Information:

Well Name: San Saba B 12 Fee #1H

Revised 10/6/06

Location:

SL 1964' FSL & 413' FEL, Section 12, T-16-S, R-24-E, Eddy Co., N.M.

BHL 1880' FNL & 660' FWL, Section 12, 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'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,680'	7-7/8"	5 1/2"	17 #	N-80	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
8,680'	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' - 4,188'	Cut Brine	9.2-9.4	28-34	N/c
4,188' - 8,680'	Polymer (Lateral)	9.2-9.6	32-34	10-20

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well San Saba B 12 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3563.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3563.00ft (Original Well Elev)
Site:	San Saba B 12 Fee #1H	North Reference:	Grid
Well:	San Saba B 12 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	San Saba B 12 Fee #1H		
Design:	Plan #1		

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	San Saba B 12 Fee #1H		
Site Position:		Northing:	704,176.70ft
From:	Map	Easting:	438,335.20ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 56' 8.503 N
		Longitude:	104° 32' 3.563 W
		Grid Convergence:	-0.11 °

Well	San Saba B 12 Fee #1H		
Well Position	+N/-S	0.00 ft	Northing: 704,176.70ft
	+E/-W	0.00 ft	Easting: 438,335.20ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 56' 8.503 N
		Longitude:	104° 32' 3.563 W
		Ground Level:	3,545.00ft

Wellbore	San Saba B 12 Fee #1H		
Magnetics	Model Name	Sample Date	Declination
	IGRF2005	10/5/2006	8.62
			Dip Angle
			60.77
			Field Strength
			49,360

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	4,595.00	0.00	0.00
			Direction
			(°)
			268.19

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	
4,188.00	0.00	0.00	4,188.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,945.12	90.00	264.00	4,670.00	-50.38	-479.36	11.89	11.89	0.00	264.00	
5,189.62	90.00	268.89	4,670.00	-65.54	-723.32	2.00	0.00	2.00	90.00	
6,966.62	90.00	268.89	4,670.00	-99.96	-2,499.98	0.00	0.00	0.00	0.00	
7,033.73	92.01	268.90	4,668.82	-101.26	-2,567.07	3.00	3.00	0.02	0.32	
8,679.14	92.01	268.90	4,611.02	-132.79	-4,211.16	0.00	0.00	0.00	0.00	
8,679.59	92.00	268.90	4,611.00	-132.80	-4,211.60	3.00	-2.99	-0.26	-175.12	BHL (San Saba B #

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: San Saba B 12 Fee #1H
Well: San Saba B 12 Fee #1H
Wellbore: San Saba B 12 Fee #1H
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well San Saba B 12 Fee #1H
WELL @ 3563.00ft (Original Well Elev)
WELL @ 3563.00ft (Original Well Elev)
Grid
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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,188.00	0.00	0.00	4,188.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	1.43	264.00	4,200.00	-0.02	-0.15	0.15	11.89	11.89	0.00
4,300.00	13.31	264.00	4,298.99	-1.35	-12.88	12.92	11.89	11.89	0.00
4,400.00	25.20	264.00	4,393.23	-4.80	-45.62	45.75	11.89	11.89	0.00
4,500.00	37.09	264.00	4,478.66	-10.19	-96.97	97.24	11.89	11.89	0.00
4,600.00	48.97	264.00	4,551.63	-17.31	-164.71	165.18	11.89	11.89	0.00
4,700.00	60.86	264.00	4,609.00	-25.85	-245.95	246.64	11.89	11.89	0.00
4,800.00	72.75	264.00	4,648.32	-35.44	-337.20	338.15	11.89	11.89	0.00
4,900.00	84.64	264.00	4,667.89	-45.67	-434.55	435.77	11.89	11.89	0.00
4,945.12	90.00	264.00	4,670.00	-50.38	-479.36	480.71	11.89	11.89	0.00
5,000.00	90.00	265.10	4,670.00	-55.60	-533.99	535.47	2.00	0.00	2.00
5,100.00	90.00	267.10	4,670.00	-62.40	-633.75	635.40	2.00	0.00	2.00

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well San Saba B 12 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3563.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3563.00ft (Original Well Elev)
Site:	San Saba B 12 Fee #1H	North Reference:	Grid
Well:	San Saba B 12 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	San Saba B 12 Fee #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)
5,189.62	90.00	268.89	4,670.00	-65.54	-723.32	725.02	2.00	0.00	2.00
5,200.00	90.00	268.89	4,670.00	-65.74	-733.69	735.40	0.00	0.00	0.00
5,300.00	90.00	268.89	4,670.00	-67.68	-833.67	835.39	0.00	0.00	0.00
5,400.00	90.00	268.89	4,670.00	-69.61	-933.65	935.38	0.00	0.00	0.00
5,500.00	90.00	268.89	4,670.00	-71.55	-1,033.63	1,035.37	0.00	0.00	0.00
5,600.00	90.00	268.89	4,670.00	-73.49	-1,133.61	1,135.37	0.00	0.00	0.00
5,700.00	90.00	268.89	4,670.00	-75.43	-1,233.60	1,235.36	0.00	0.00	0.00
5,800.00	90.00	268.89	4,670.00	-77.36	-1,333.58	1,335.35	0.00	0.00	0.00
5,900.00	90.00	268.89	4,670.00	-79.30	-1,433.56	1,435.34	0.00	0.00	0.00
6,000.00	90.00	268.89	4,670.00	-81.24	-1,533.54	1,535.34	0.00	0.00	0.00
6,100.00	90.00	268.89	4,670.00	-83.17	-1,633.52	1,635.33	0.00	0.00	0.00
6,200.00	90.00	268.89	4,670.00	-85.11	-1,733.50	1,735.32	0.00	0.00	0.00
6,300.00	90.00	268.89	4,670.00	-87.05	-1,833.48	1,835.32	0.00	0.00	0.00
6,400.00	90.00	268.89	4,670.00	-88.99	-1,933.46	1,935.31	0.00	0.00	0.00
6,500.00	90.00	268.89	4,670.00	-90.92	-2,033.45	2,035.30	0.00	0.00	0.00
6,600.00	90.00	268.89	4,670.00	-92.86	-2,133.43	2,135.29	0.00	0.00	0.00
6,700.00	90.00	268.89	4,670.00	-94.80	-2,233.41	2,235.29	0.00	0.00	0.00
6,800.00	90.00	268.89	4,670.00	-96.73	-2,333.39	2,335.28	0.00	0.00	0.00
6,900.00	90.00	268.89	4,670.00	-98.67	-2,433.37	2,435.27	0.00	0.00	0.00
6,966.62	90.00	268.89	4,670.00	-99.96	-2,499.98	2,501.89	0.00	0.00	0.00
7,000.00	91.00	268.90	4,669.71	-100.61	-2,533.35	2,535.26	3.00	3.00	0.02
7,033.73	92.01	268.90	4,668.82	-101.26	-2,567.07	2,568.98	3.00	3.00	0.02
7,100.00	92.01	268.90	4,666.49	-102.53	-2,633.28	2,635.20	0.00	0.00	0.00
7,200.00	92.01	268.90	4,662.98	-104.44	-2,733.20	2,735.13	0.00	0.00	0.00
7,300.00	92.01	268.90	4,659.47	-106.36	-2,833.12	2,835.06	0.00	0.00	0.00
7,400.00	92.01	268.90	4,655.95	-108.28	-2,933.04	2,934.99	0.00	0.00	0.00
7,500.00	92.01	268.90	4,652.44	-110.19	-3,032.96	3,034.92	0.00	0.00	0.00
7,600.00	92.01	268.90	4,648.93	-112.11	-3,132.88	3,134.85	0.00	0.00	0.00
7,700.00	92.01	268.90	4,645.41	-114.03	-3,232.80	3,234.79	0.00	0.00	0.00
7,800.00	92.01	268.90	4,641.90	-115.94	-3,332.72	3,334.72	0.00	0.00	0.00
7,900.00	92.01	268.90	4,638.39	-117.86	-3,432.64	3,434.65	0.00	0.00	0.00
8,000.00	92.01	268.90	4,634.87	-119.78	-3,532.56	3,534.58	0.00	0.00	0.00
8,100.00	92.01	268.90	4,631.36	-121.69	-3,632.48	3,634.51	0.00	0.00	0.00
8,200.00	92.01	268.90	4,627.85	-123.61	-3,732.40	3,734.44	0.00	0.00	0.00
8,300.00	92.01	268.90	4,624.34	-125.52	-3,832.32	3,834.37	0.00	0.00	0.00
8,400.00	92.01	268.90	4,620.82	-127.44	-3,932.24	3,934.30	0.00	0.00	0.00
8,500.00	92.01	268.90	4,617.31	-129.36	-4,032.16	4,034.23	0.00	0.00	0.00
8,600.00	92.01	268.90	4,613.80	-131.27	-4,132.08	4,134.16	0.00	0.00	0.00
8,679.14	92.01	268.90	4,611.02	-132.79	-4,211.16	4,213.25	0.00	0.00	0.00
8,679.59	92.00	268.90	4,611.00	-132.80	-4,211.60	4,213.69	3.00	-2.99	-0.26

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 (San Saba B #1)	0.00	0.00	4,611.00	-132.80	-4,211.60	704,043.90	434,123.60	32° 56' 7.107 N	104° 32' 52.978 W
- plan hits target									
- Point									

SITE DETAILS: San Saba B 12 Fee #1H

Site Centre Northing: 704176.70
Easting: 438335.20

Positional Uncertainty: 0.00
Convergence: -0.11
Local North: Grid

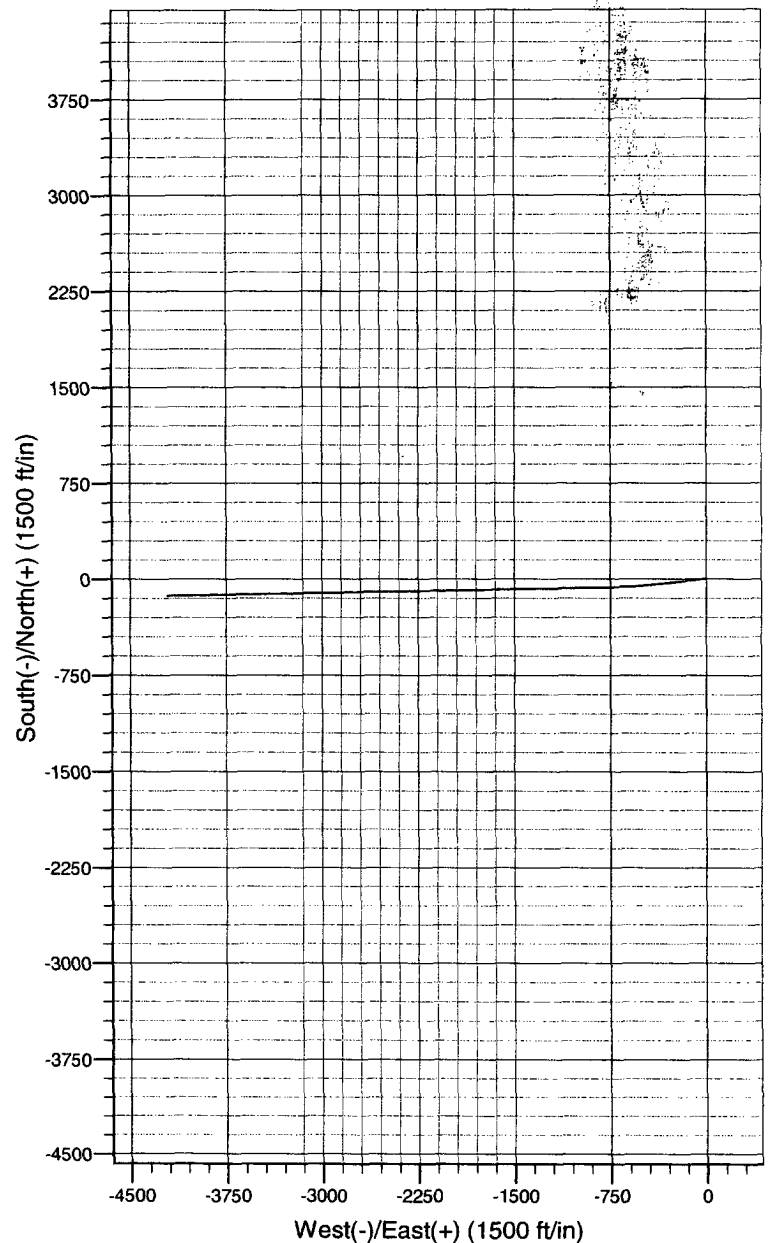
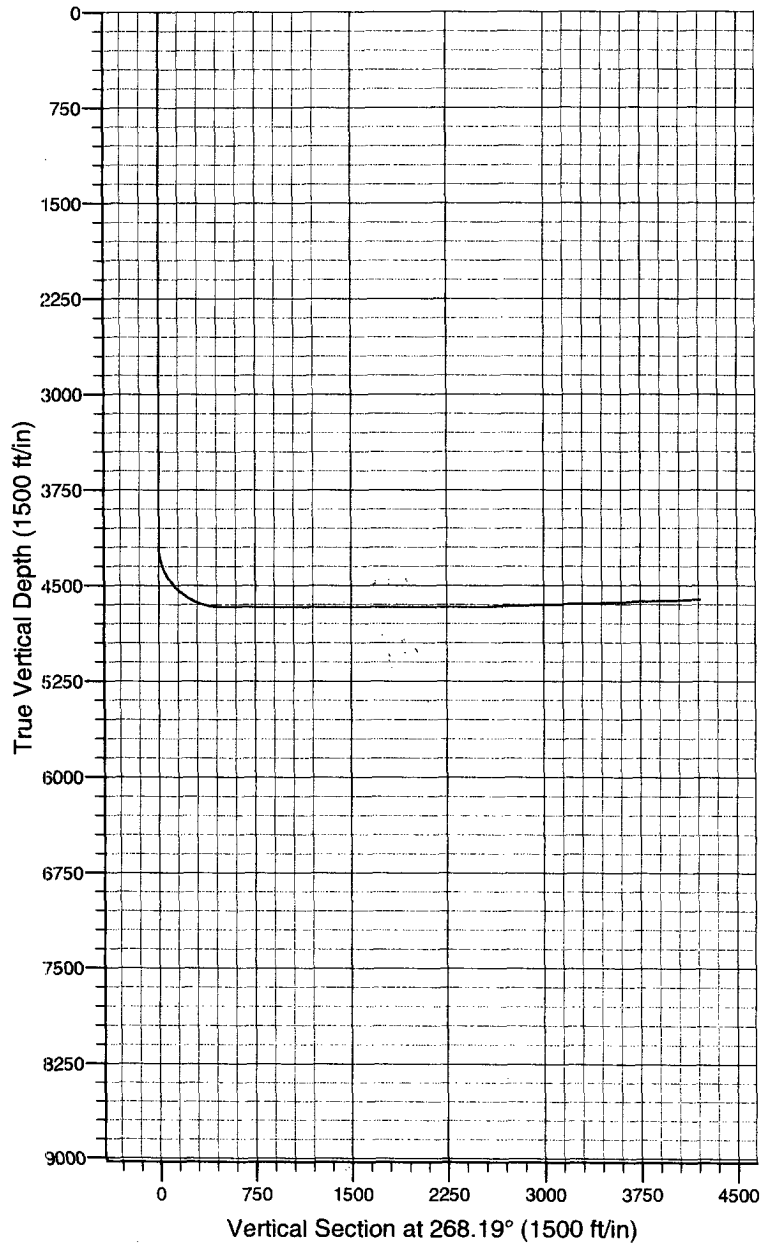
PROJECT DETAILS: Thames

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

System Datum: Ground Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4188.00	0.00	0.00	4188.00	0.00	0.00	0.00	0.00	0.00	
4945.12	90.00	264.00	4670.00	-50.38	-479.36	11.89	264.00	480.71	
5189.62	90.00	268.89	4670.00	-65.54	-723.32	2.00	90.00	725.02	
6966.62	90.00	268.89	4670.00	-99.96	-2499.98	0.00	0.00	2501.89	
7033.73	92.01	268.90	4668.82	-101.26	-2567.07	3.00	0.32	2568.98	
8679.14	92.01	268.90	4611.02	-132.79	-4211.16	0.00	0.00	4213.25	



Permit Information:**ORIGINAL**

Well Name: San Saba B 12 Fee #1H

Location:

SL 1964' FSL & 413' FEL, Section 12, T-16-S, R-24-E, Eddy Co., N.M.

BHL 1880' FNL & 660' FWL, Section 12, 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'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,650'	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
8,650'	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' - 4,600'	Cut Brine	8.8-9.2	28-34	N/c
4,600' - 5,100'	Cut Brine	8.8-9.2	28-34	10-15
4,100' - 8,650'	Polymer (Lateral)	9.0-9.4	40-45	10-20