eog resources

(432) 686-3642 Office
(432) 935-2148 Cell
Donny_Glanton@eogresources.com

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

May 5, 2006

OCD-Artesia
Att: Mr. Bryan Arrent
1301 W. Grand Avenue
Artesia, NM 88210

Re: San Saba B 12 Fee 2HY 30-015-34837

Dear Mr. Arrent:

As per the submittal comments of the C-101 (Electronic Permitting Application) for the above captioned well, please find the following additional information submitted for your review and processing.

- Well Plat
- Detailed Casing
- Mud
- Cement
- Drilling Plan
- H_2S Letter

Should you have any additional questions, please feel to give me a call.

Thanks and best regards.

Very truly yours,

Donny G. Glanton
Sr. Lease Operations ROW Representative

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	Pool Code	Pool Name
	75260	Cottonwood Creek; WC, WEST (Gas)

Property Code	Property Name	Well Number
	SAN SABA B 12 FEE	*2HY*

OGRID No.	Operator Name	Elevation
7377	*EOG RESOURCES*	*3552'*

Surface Location

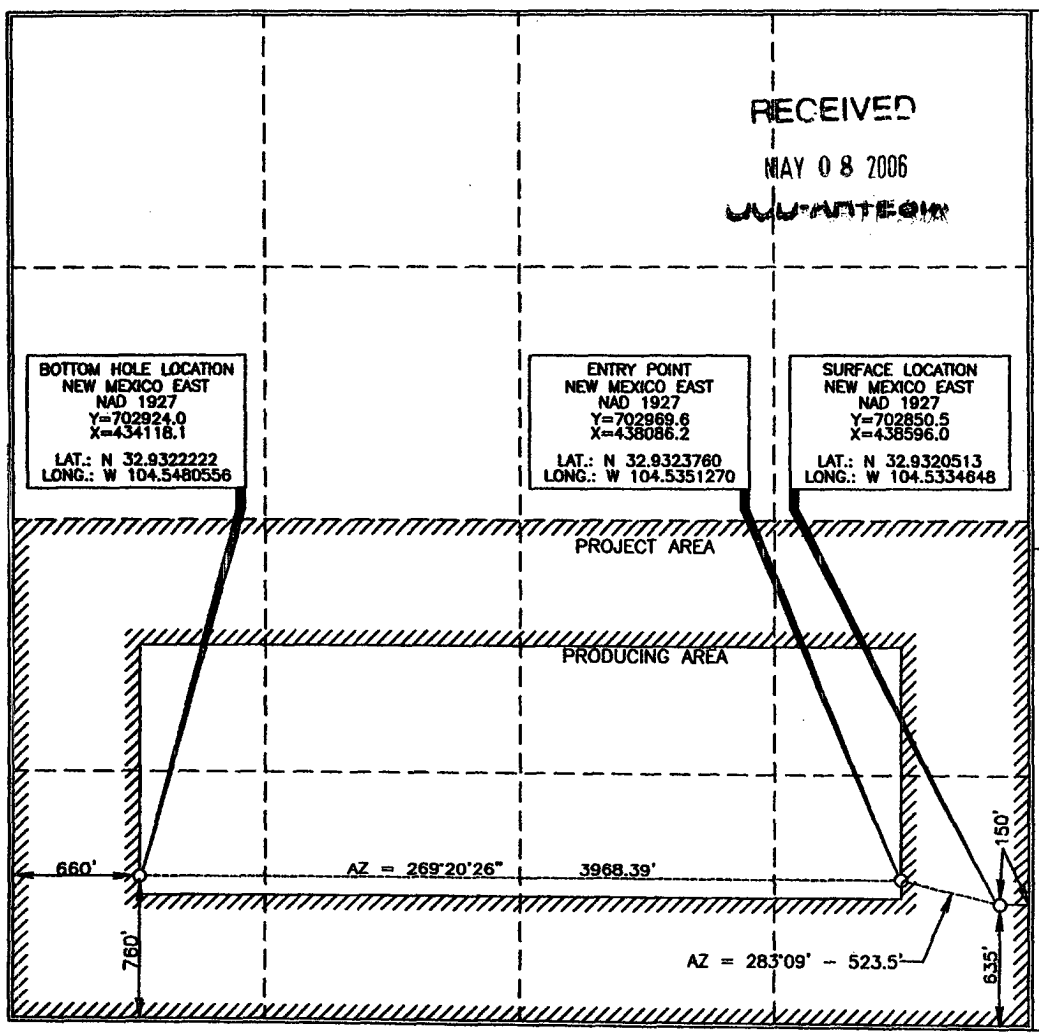
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	*12*	*16 SOUTH*	*24 EAST, N.M.P.M.*		*635*	*SOUTH*	*150*	*EAST*	*EDDY*

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
M	*12*	*16 SOUTH*	*24 EAST, N.M.P.M.*		*760*	*SOUTH*	*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 5/5/06

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 actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 2, 2006

Date of Survey

Signature and Seal of Professional Surveyor:

NEW MEXICO 15079 REGISTERED PROFESSIONAL LAND SURVEYOR

Jerry G. Huerta

Certificate Number 15079

WO# 051122WL-A (LA)

Permit Information:

Well Name: San Saba B 12 Fee #2HY

Location:

SL	635' FSL & 150' FEL, Section 12, T-16-S, R-24-E, Eddy Co., N.M.
PP	760' FSL & 660' FEL, Section 12, T-16-S, R-24-E, Eddy Co., N.M.
BHL	760' FSL & 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'	11"	7"	23#	J-55	Surface
Production	9,013'	6-1/8"	4 ½"	11.6#	P-110	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	300	Lead: Premium Plus + 2% $CaCl_2$ + 3% Econolite + ¼ pps Flocele
	200	Tail: Premium Plus + 2% $CaCl_2$ + ¼ pps Flocele
9,013'	400	Lead: Interfill C + ¼ 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 – 950'	Fresh - Gel	8.6-8.8	28-34	N/c
950' – 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
4,200' – 9,013'	Polymer (Lateral)	9.0-9.4	40-45	10-25

eog resources

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

May 5, 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 H_2S Contingency Plan for the San Saba B 12 Fee #2HY. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H_2S bearing formations during drilling operations.

Sincerely,

Jason LaGrega
Drilling Engineer

Database:	EDM	**Local Co-ordinate Reference:**	Site San Saba B 12 Fee #2HY
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3569.0ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3569.0ft (Original Well Elev)
Site:	San Saba B 12 Fee #2HY	**North Reference:**	Grid
Well:	San Saba B 12 Fee #2HY	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	San Saba B 12 Fee #2HY		
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 San Saba B 12 Fee #2HY

Site Position:		**Northing:**	702,850.50 ft	**Latitude:**	32° 55' 55.385 N
From:	Map	**Easting:**	438,596.00 ft	**Longitude:**	104° 32' 0.473 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	-0.11 °

Well San Saba B 12 Fee #2HY

Well Position	**+N/-S**	0.0 ft	**Northing:**	702,850.50 ft	**Latitude:**	32° 55' 55.385 N
	+E/-W	0.0 ft	**Easting:**	438,596.00 ft	**Longitude:**	104° 32' 0.473 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,552.0 ft

Wellbore San Saba B 12 Fee #2HY

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	3/29/2006	8.67	60.78	49,439

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	270.94

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	
4,236.0	0.00	0.00	4,236.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,043.4	90.00	275.00	4,750.0	44.8	-512.0	11.15	11.15	0.00	275.00	
6,543.4	90.00	271.00	4,750.0	123.3	-2,009.7	0.27	0.00	-0.27	270.00	
6,627.5	91.25	268.81	4,749.1	123.1	-2,093.8	3.00	1.49	-2.61	-60.28	
9,012.6	91.25	268.81	4,697.0	73.5	-4,477.8	0.00	0.00	0.00	0.00	
9,012.7	91.25	268.81	4,697.0	73.5	-4,477.9	3.00	-1.12	2.78	111.99	BHL (San Saba B #

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Project:	Thames	**MD Reference:**	WELL @ 3569.0ft (Original Well Elev)
Site:	San Saba B 12 Fee #2HY	**North Reference:**	Grid
Well:	San Saba B 12 Fee #2HY	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	San Saba B 12 Fee #2HY		
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
4,236.0	0.00	0.00	4,236.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	7.13	275.00	4,299.8	0.3	-4.0	4.0	11.15	11.15	0.00
4,400.0	18.28	275.00	4,397.2	2.3	-25.8	25.9	11.15	11.15	0.00
4,500.0	29.43	275.00	4,488.5	5.8	-66.1	66.2	11.15	11.15	0.00
4,600.0	40.58	275.00	4,570.3	10.8	-123.1	123.3	11.15	11.15	0.00
4,700.0	51.72	275.00	4,639.5	17.0	-194.8	195.1	11.15	11.15	0.00
4,800.0	62.87	275.00	4,693.4	24.4	-278.5	278.9	11.15	11.15	0.00
4,900.0	74.02	275.00	4,730.1	32.5	-371.0	371.5	11.15	11.15	0.00
5,000.0	85.16	275.00	4,748.2	41.0	-468.9	469.5	11.15	11.15	0.00
5,043.4	90.00	275.00	4,750.0	44.8	-512.0	512.7	11.15	11.15	0.00
5,100.0	90.00	274.85	4,750.0	49.7	-568.4	569.2	0.27	0.00	-0.27

Database:	EDM	**Local Co-ordinate Reference:**	Site San Saba B 12 Fee #2HY
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3569.0ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3569.0ft (Original Well Elev)
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Well:	San Saba B 12 Fee #2HY	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	San Saba B 12 Fee #2HY		
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)
5,200.0	90.00	274.58	4,750.0	57.9	-668.1	669.0	0.27	0.00	-0.27
5,300.0	90.00	274.32	4,750.0	65.6	-767.8	768.8	0.27	0.00	-0.27
5,400.0	90.00	274.05	4,750.0	72.9	-867.5	868.6	0.27	0.00	-0.27
5,500.0	90.00	273.78	4,750.0	79.8	-967.3	968.5	0.27	0.00	-0.27
5,600.0	90.00	273.52	4,750.0	86.1	-1,067.1	1,068.4	0.27	0.00	-0.27
5,700.0	90.00	273.25	4,750.0	92.0	-1,166.9	1,168.3	0.27	0.00	-0.27
5,800.0	90.00	272.98	4,750.0	97.5	-1,266.8	1,268.2	0.27	0.00	-0.27
5,900.0	90.00	272.72	4,750.0	102.4	-1,366.7	1,368.2	0.27	0.00	-0.27
6,000.0	90.00	272.45	4,750.0	106.9	-1,466.6	1,468.1	0.27	0.00	-0.27
6,100.0	90.00	272.18	4,750.0	111.0	-1,566.5	1,568.1	0.27	0.00	-0.27
6,200.0	90.00	271.92	4,750.0	114.5	-1,666.4	1,668.1	0.27	0.00	-0.27
6,300.0	90.00	271.65	4,750.0	117.7	-1,766.4	1,768.1	0.27	0.00	-0.27
6,400.0	90.00	271.38	4,750.0	120.3	-1,866.3	1,868.0	0.27	0.00	-0.27
6,500.0	90.00	271.12	4,750.0	122.5	-1,966.3	1,968.0	0.27	0.00	-0.27
6,543.4	90.00	271.00	4,750.0	123.3	-2,009.7	2,011.4	0.27	0.00	-0.27
6,600.0	90.84	269.52	4,749.6	123.5	-2,066.3	2,068.0	3.00	1.49	-2.61
6,627.5	91.25	268.81	4,749.1	123.1	-2,093.8	2,095.6	3.00	1.49	-2.61
6,700.0	91.25	268.81	4,747.5	121.6	-2,166.2	2,168.0	0.00	0.00	0.00
6,800.0	91.25	268.81	4,745.3	119.6	-2,266.2	2,267.9	0.00	0.00	0.00
6,900.0	91.25	268.81	4,743.1	117.5	-2,366.2	2,367.8	0.00	0.00	0.00
7,000.0	91.25	268.81	4,740.9	115.4	-2,466.1	2,467.7	0.00	0.00	0.00
7,100.0	91.25	268.81	4,738.8	113.3	-2,566.1	2,567.6	0.00	0.00	0.00
7,200.0	91.25	268.81	4,736.6	111.2	-2,666.0	2,667.5	0.00	0.00	0.00
7,300.0	91.25	268.81	4,734.4	109.1	-2,766.0	2,767.4	0.00	0.00	0.00
7,400.0	91.25	268.81	4,732.2	107.1	-2,865.9	2,867.3	0.00	0.00	0.00
7,500.0	91.25	268.81	4,730.0	105.0	-2,965.9	2,967.2	0.00	0.00	0.00
7,600.0	91.25	268.81	4,727.8	102.9	-3,065.8	3,067.1	0.00	0.00	0.00
7,700.0	91.25	268.81	4,725.7	100.8	-3,165.8	3,167.0	0.00	0.00	0.00
7,800.0	91.25	268.81	4,723.5	98.7	-3,265.7	3,266.9	0.00	0.00	0.00
7,900.0	91.25	268.81	4,721.3	96.7	-3,365.7	3,366.8	0.00	0.00	0.00
8,000.0	91.25	268.81	4,719.1	94.6	-3,465.7	3,466.7	0.00	0.00	0.00
8,100.0	91.25	268.81	4,716.9	92.5	-3,565.6	3,566.7	0.00	0.00	0.00
8,200.0	91.25	268.81	4,714.7	90.4	-3,665.6	3,666.6	0.00	0.00	0.00
8,300.0	91.25	268.81	4,712.6	88.3	-3,765.5	3,766.5	0.00	0.00	0.00
8,400.0	91.25	268.81	4,710.4	86.3	-3,865.5	3,866.4	0.00	0.00	0.00
8,500.0	91.25	268.81	4,708.2	84.2	-3,965.4	3,966.3	0.00	0.00	0.00
8,600.0	91.25	268.81	4,706.0	82.1	-4,065.4	4,066.2	0.00	0.00	0.00
8,700.0	91.25	268.81	4,703.8	80.0	-4,165.3	4,166.1	0.00	0.00	0.00
8,800.0	91.25	268.81	4,701.6	77.9	-4,265.3	4,266.0	0.00	0.00	0.00
8,900.0	91.25	268.81	4,699.5	75.8	-4,365.2	4,365.9	0.00	0.00	0.00
9,000.0	91.25	268.81	4,697.3	73.8	-4,465.2	4,465.8	0.00	0.00	0.00
9,012.6	91.25	268.81	4,697.0	73.5	-4,477.8	4,478.4	0.00	0.00	0.00
9,012.7	91.25	268.81	4,697.0	73.5	-4,477.9	4,478.5	3.00	-1.12	2.78

Database:	EDM	**Local Co-ordinate Reference:**	Site San Saba B 12 Fee #2HY
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3569.0ft (Original Well Elev)
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Well:	San Saba B 12 Fee #2HY	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	San Saba B 12 Fee #2HY		
Design:	Plan #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LP (San Saba B #2H) - plan misses by 74.3ft at 5043.4ft MD (4750.0 TVD, 44.8 N, -512.0 E) - Point	0.00	0.00	4,750.0	119.1	-509.8	702,969.60	438,086.20	32° 55' 56.554 N	104° 32' 6.458 W
BHL (San Saba B #2H - plan hits target - Point	0.00	0.00	4,697.0	73.5	-4,477.9	702,924.00	434,118.10	32° 55' 56.025 N	104° 32' 53.015 W

SITE DETAILS: San Saba B 12 Fee #2HY

Site Centre Northing: 702850.50
Easting: 438596.00

Positional Uncertainity: 0.0
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: 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	
4236.0	0.00	0.00	4236.0	0.0	0.0	0.00	0.00	0.0	
5043.4	90.00	275.00	4750.0	44.8	-512.0	11.15	275.00	512.7	
6543.4	90.00	271.00	4750.0	123.3	-2009.7	0.27	270.00	2011.4	
6627.5	91.25	268.81	4749.1	123.1	-2093.8	3.00	-60.28	2095.6	
9012.6	91.25	268.81	4697.0	73.5	-4477.8	0.00	0.00	4478.4	
9012.7	91.25	268.81	4697.0	73.5	-4477.9	3.00	111.99	4478.5	BHL (San Saba B #2H)