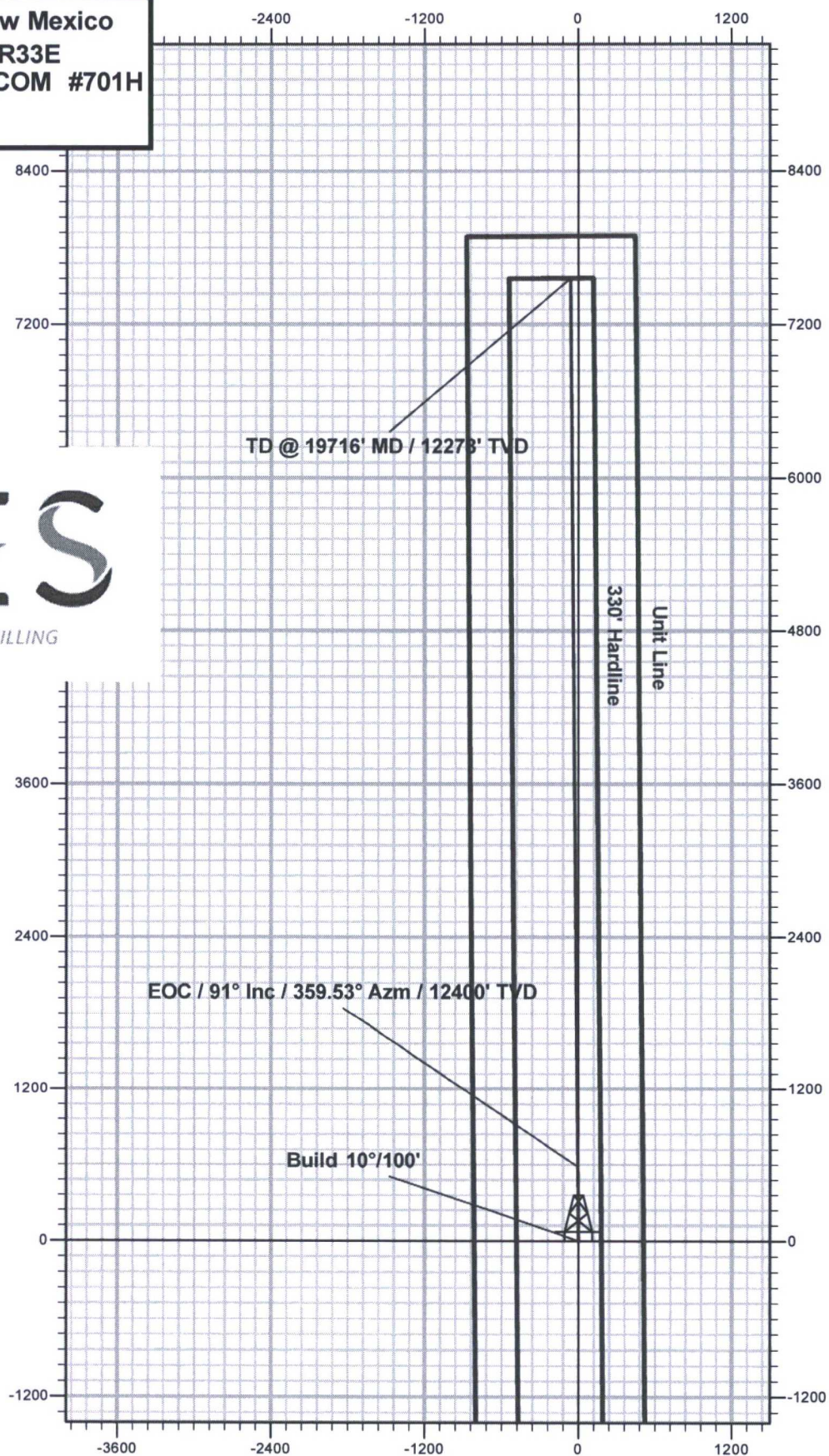


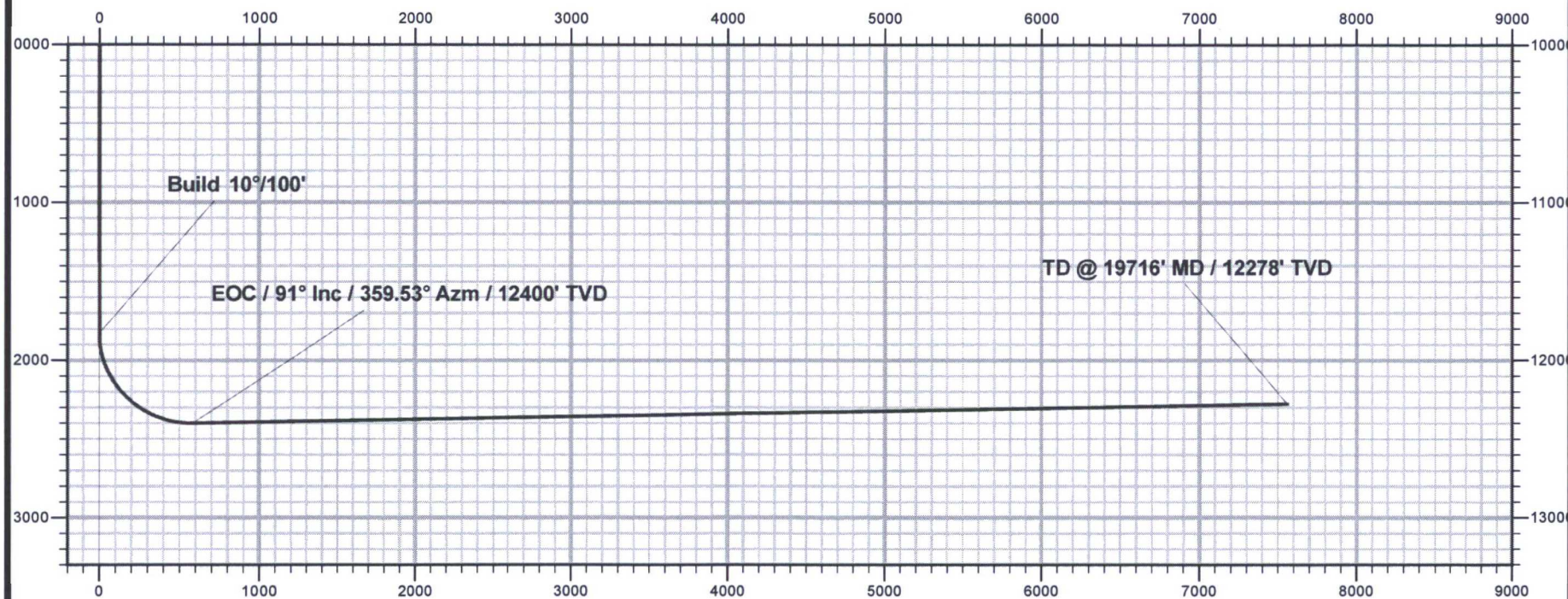
Lea County, New Mexico
Sec 30, T21S, R33E
Dagger State COM #701H

Design #2





Lea County, New Mexico
Sec 30, T21S, R33E
Dagger State COM #701H
Design #2



Amtex Energy, Inc

Lea County, New Mexico

Sec 30, T21S, R33E

Dagger State COM #701H

Wellbore #1

Plan: Design #2

QES Well Planning Report

02 February, 2017



Well Planning Report



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #701H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3802.9usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3802.9usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Project	Lea County, New Mexico		
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	Sec 30, T21S, R33E		
Site Position:		Northing:	528,781.77 usft
From:	Lat/Long	Easting:	722,057.48 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 27' 6.033 N
		Longitude:	103° 36' 48.469 W
		Grid Convergence:	0.39 °

Well	Dagger State COM #701H		
Well Position	+N/-S	-648.0 usft	Northing: 528,133.73 usft
	+E/-W	2,832.7 usft	Easting: 724,890.22 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 26' 59.430 N
		Longitude:	103° 36' 15.463 W
		Ground Level:	3,782.9 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	8/24/2016	7.07
			Dip Angle (°)
			60.28
			Field Strength (nT)
			48,150

Design	Design #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			359.53

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
11,827.1	0.00	0.00	11,827.1	0.0	0.0	0.00	0.00	0.00	0.00	
12,737.1	91.00	359.53	12,400.0	582.9	-4.7	10.00	10.00	0.00	359.53	PBHL Dagger State C
19,715.5	91.00	359.53	12,278.2	7,560.0	-61.4	0.00	0.00	0.00	0.00	PBHL Dagger State C

Well Planning Report



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #701H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3802.9usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3802.9usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Well Planning Report



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Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00

Well Planning Report



Database: EDM5002
 Company: Amtex Energy, Inc
 Project: Lea County, New Mexico
 Site: Sec 30, T21S, R33E
 Well: Dagger State COM #701H
 Wellbore: Wellbore #1
 Design: Design #2

Local Co-ordinate Reference: Well Dagger State COM #701H
 TVD Reference: Well @ 3802.9usft
 MD Reference: Well @ 3802.9usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,600.0	0.0	0.0	0.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,700.0	0.0	0.0	0.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,800.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 10°/100'									
11,827.1	0.00	0.00	11,827.1	0.0	0.0	0.0	0.00	0.00	0.00
11,850.0	2.29	359.53	11,850.0	0.5	0.0	0.5	10.00	10.00	0.00
11,900.0	7.29	359.53	11,899.8	4.6	0.0	4.6	10.00	10.00	0.00
11,950.0	12.29	359.53	11,949.1	13.1	-0.1	13.1	10.00	10.00	0.00
12,000.0	17.29	359.53	11,997.4	25.9	-0.2	25.9	10.00	10.00	0.00
12,050.0	22.29	359.53	12,044.4	42.8	-0.3	42.8	10.00	10.00	0.00
12,100.0	27.29	359.53	12,089.8	63.8	-0.5	63.8	10.00	10.00	0.00
12,150.0	32.29	359.53	12,133.2	88.6	-0.7	88.6	10.00	10.00	0.00
12,200.0	37.29	359.53	12,174.2	117.1	-1.0	117.1	10.00	10.00	0.00
12,250.0	42.29	359.53	12,212.6	149.1	-1.2	149.1	10.00	10.00	0.00
12,300.0	47.29	359.53	12,248.1	184.3	-1.5	184.3	10.00	10.00	0.00
12,350.0	52.29	359.53	12,280.4	222.5	-1.8	222.5	10.00	10.00	0.00
12,400.0	57.29	359.53	12,309.2	263.3	-2.1	263.3	10.00	10.00	0.00
12,450.0	62.29	359.53	12,334.3	306.5	-2.5	306.5	10.00	10.00	0.00
12,500.0	67.29	359.53	12,355.6	351.7	-2.9	351.8	10.00	10.00	0.00
12,550.0	72.29	359.53	12,372.9	398.7	-3.2	398.7	10.00	10.00	0.00
12,600.0	77.29	359.53	12,386.0	446.9	-3.6	446.9	10.00	10.00	0.00
12,650.0	82.29	359.53	12,394.9	496.1	-4.0	496.1	10.00	10.00	0.00
12,700.0	87.29	359.53	12,399.4	545.8	-4.4	545.9	10.00	10.00	0.00
EOC / 91° Inc / 359.53° Azm / 12400' TVD									
12,737.1	91.00	359.53	12,400.0	582.9	-4.7	583.0	10.00	10.00	0.00
12,800.0	91.00	359.53	12,398.9	645.8	-5.2	645.8	0.00	0.00	0.00
12,900.0	91.00	359.53	12,397.1	745.8	-6.1	745.8	0.00	0.00	0.00
13,000.0	91.00	359.53	12,395.4	845.8	-6.9	845.8	0.00	0.00	0.00
13,100.0	91.00	359.53	12,393.6	945.8	-7.7	945.8	0.00	0.00	0.00
13,200.0	91.00	359.53	12,391.9	1,045.8	-8.5	1,045.8	0.00	0.00	0.00
13,300.0	91.00	359.53	12,390.1	1,145.7	-9.3	1,145.8	0.00	0.00	0.00
13,400.0	91.00	359.53	12,388.4	1,245.7	-10.1	1,245.8	0.00	0.00	0.00
13,500.0	91.00	359.53	12,386.7	1,345.7	-10.9	1,345.7	0.00	0.00	0.00
13,600.0	91.00	359.53	12,384.9	1,445.7	-11.7	1,445.7	0.00	0.00	0.00
13,700.0	91.00	359.53	12,383.2	1,545.7	-12.6	1,545.7	0.00	0.00	0.00
13,800.0	91.00	359.53	12,381.4	1,645.6	-13.4	1,645.7	0.00	0.00	0.00
13,900.0	91.00	359.53	12,379.7	1,745.6	-14.2	1,745.7	0.00	0.00	0.00
14,000.0	91.00	359.53	12,377.9	1,845.6	-15.0	1,845.7	0.00	0.00	0.00
14,100.0	91.00	359.53	12,376.2	1,945.6	-15.8	1,945.6	0.00	0.00	0.00
14,200.0	91.00	359.53	12,374.4	2,045.6	-16.6	2,045.6	0.00	0.00	0.00
14,300.0	91.00	359.53	12,372.7	2,145.5	-17.4	2,145.6	0.00	0.00	0.00
14,400.0	91.00	359.53	12,370.9	2,245.5	-18.2	2,245.6	0.00	0.00	0.00
14,500.0	91.00	359.53	12,369.2	2,345.5	-19.0	2,345.6	0.00	0.00	0.00
14,600.0	91.00	359.53	12,367.5	2,445.5	-19.9	2,445.6	0.00	0.00	0.00
14,700.0	91.00	359.53	12,365.7	2,545.5	-20.7	2,545.6	0.00	0.00	0.00
14,800.0	91.00	359.53	12,364.0	2,645.5	-21.5	2,645.5	0.00	0.00	0.00

Well Planning Report



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #701H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3802.9usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3802.9usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,900.0	91.00	359.53	12,362.2	2,745.4	-22.3	2,745.5	0.00	0.00	0.00
15,000.0	91.00	359.53	12,360.5	2,845.4	-23.1	2,845.5	0.00	0.00	0.00
15,100.0	91.00	359.53	12,358.7	2,945.4	-23.9	2,945.5	0.00	0.00	0.00
15,200.0	91.00	359.53	12,357.0	3,045.4	-24.7	3,045.5	0.00	0.00	0.00
15,300.0	91.00	359.53	12,355.2	3,145.4	-25.5	3,145.5	0.00	0.00	0.00
15,400.0	91.00	359.53	12,353.5	3,245.3	-26.4	3,245.5	0.00	0.00	0.00
15,500.0	91.00	359.53	12,351.8	3,345.3	-27.2	3,345.4	0.00	0.00	0.00
15,600.0	91.00	359.53	12,350.0	3,445.3	-28.0	3,445.4	0.00	0.00	0.00
15,700.0	91.00	359.53	12,348.3	3,545.3	-28.8	3,545.4	0.00	0.00	0.00
15,800.0	91.00	359.53	12,346.5	3,645.3	-29.6	3,645.4	0.00	0.00	0.00
15,900.0	91.00	359.53	12,344.8	3,745.3	-30.4	3,745.4	0.00	0.00	0.00
16,000.0	91.00	359.53	12,343.0	3,845.2	-31.2	3,845.4	0.00	0.00	0.00
16,100.0	91.00	359.53	12,341.3	3,945.2	-32.0	3,945.3	0.00	0.00	0.00
16,200.0	91.00	359.53	12,339.5	4,045.2	-32.9	4,045.3	0.00	0.00	0.00
16,300.0	91.00	359.53	12,337.8	4,145.2	-33.7	4,145.3	0.00	0.00	0.00
16,400.0	91.00	359.53	12,336.0	4,245.2	-34.5	4,245.3	0.00	0.00	0.00
16,500.0	91.00	359.53	12,334.3	4,345.1	-35.3	4,345.3	0.00	0.00	0.00
16,600.0	91.00	359.53	12,332.6	4,445.1	-36.1	4,445.3	0.00	0.00	0.00
16,700.0	91.00	359.53	12,330.8	4,545.1	-36.9	4,545.3	0.00	0.00	0.00
16,800.0	91.00	359.53	12,329.1	4,645.1	-37.7	4,645.2	0.00	0.00	0.00
16,900.0	91.00	359.53	12,327.3	4,745.1	-38.5	4,745.2	0.00	0.00	0.00
17,000.0	91.00	359.53	12,325.6	4,845.0	-39.3	4,845.2	0.00	0.00	0.00
17,100.0	91.00	359.53	12,323.8	4,945.0	-40.2	4,945.2	0.00	0.00	0.00
17,200.0	91.00	359.53	12,322.1	5,045.0	-41.0	5,045.2	0.00	0.00	0.00
17,300.0	91.00	359.53	12,320.3	5,145.0	-41.8	5,145.2	0.00	0.00	0.00
17,400.0	91.00	359.53	12,318.6	5,245.0	-42.6	5,245.1	0.00	0.00	0.00
17,500.0	91.00	359.53	12,316.8	5,345.0	-43.4	5,345.1	0.00	0.00	0.00
17,600.0	91.00	359.53	12,315.1	5,444.9	-44.2	5,445.1	0.00	0.00	0.00
17,700.0	91.00	359.53	12,313.4	5,544.9	-45.0	5,545.1	0.00	0.00	0.00
17,800.0	91.00	359.53	12,311.6	5,644.9	-45.8	5,645.1	0.00	0.00	0.00
17,900.0	91.00	359.53	12,309.9	5,744.9	-46.7	5,745.1	0.00	0.00	0.00
18,000.0	91.00	359.53	12,308.1	5,844.9	-47.5	5,845.1	0.00	0.00	0.00
18,100.0	91.00	359.53	12,306.4	5,944.8	-48.3	5,945.0	0.00	0.00	0.00
18,200.0	91.00	359.53	12,304.6	6,044.8	-49.1	6,045.0	0.00	0.00	0.00
18,300.0	91.00	359.53	12,302.9	6,144.8	-49.9	6,145.0	0.00	0.00	0.00
18,400.0	91.00	359.53	12,301.1	6,244.8	-50.7	6,245.0	0.00	0.00	0.00
18,500.0	91.00	359.53	12,299.4	6,344.8	-51.5	6,345.0	0.00	0.00	0.00
18,600.0	91.00	359.53	12,297.6	6,444.8	-52.3	6,445.0	0.00	0.00	0.00
18,700.0	91.00	359.53	12,295.9	6,544.7	-53.2	6,544.9	0.00	0.00	0.00
18,800.0	91.00	359.53	12,294.2	6,644.7	-54.0	6,644.9	0.00	0.00	0.00
18,900.0	91.00	359.53	12,292.4	6,744.7	-54.8	6,744.9	0.00	0.00	0.00
19,000.0	91.00	359.53	12,290.7	6,844.7	-55.6	6,844.9	0.00	0.00	0.00
19,100.0	91.00	359.53	12,288.9	6,944.7	-56.4	6,944.9	0.00	0.00	0.00
19,200.0	91.00	359.53	12,287.2	7,044.6	-57.2	7,044.9	0.00	0.00	0.00
19,300.0	91.00	359.53	12,285.4	7,144.6	-58.0	7,144.9	0.00	0.00	0.00
19,400.0	91.00	359.53	12,283.7	7,244.6	-58.8	7,244.8	0.00	0.00	0.00
19,500.0	91.00	359.53	12,281.9	7,344.6	-59.7	7,344.8	0.00	0.00	0.00
19,600.0	91.00	359.53	12,280.2	7,444.6	-60.5	7,444.8	0.00	0.00	0.00
19,700.0	91.00	359.53	12,278.5	7,544.5	-61.3	7,544.8	0.00	0.00	0.00
TD @ 19716' MD / 12278' TVD									
19,715.5	91.00	359.53	12,278.2	7,560.0	-61.4	7,560.3	0.00	0.00	0.00

Well Planning Report



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #701H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3802.9usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3802.9usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL Dagger State Con	0.00	0.00	12,254.4	7,560.0	-61.4	535,693.75	724,828.82	32° 28' 14.243 N	103° 36' 15.577 W
- plan misses target center by 23.8usft at 19715.5usft MD (12278.2 TVD, 7560.0 N, -61.4 E)									
- Point									

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
11,827.1	11,827.1	0.0	0.0	Build 10°/100'
12,737.1	12,400.0	582.9	-4.7	EOC / 91° Inc / 359.53° Azm / 12400' TVD
19,715.5	12,278.2	7,560.0	-61.4	TD @ 19716' MD / 12278' TVD