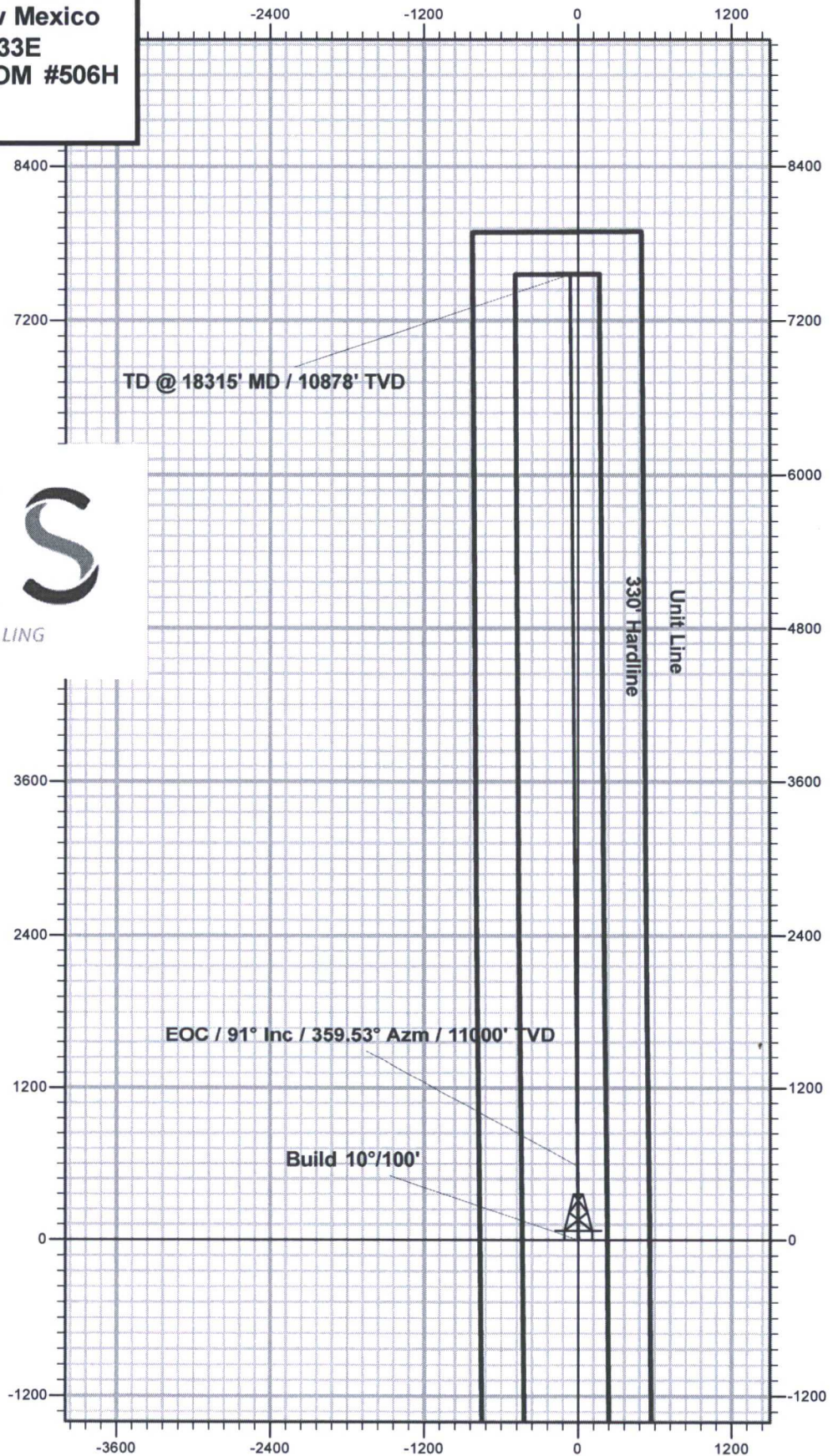


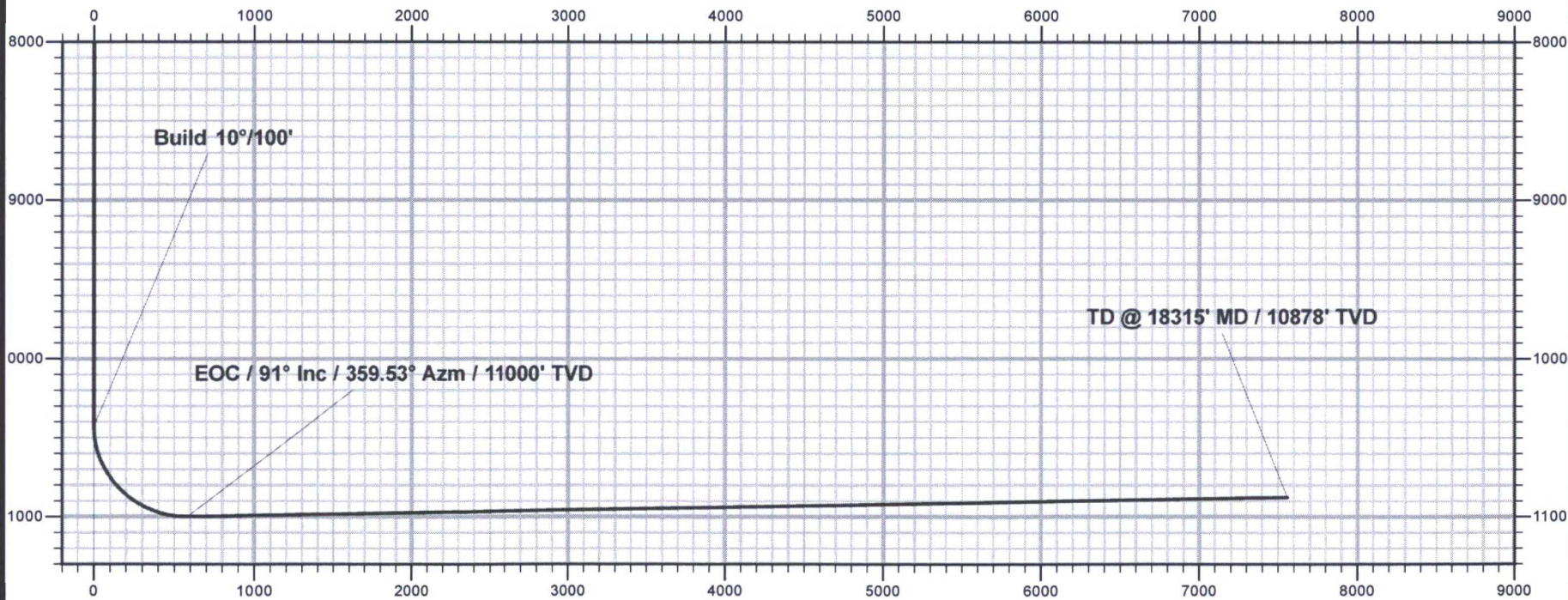
70-025-43564

Lea County, New Mexico
Sec 30, T21S, R33E
Dagger State COM #506H
Design #2





Lea County, New Mexico
Sec 30, T21S, R33E
Dagger State COM #506H
Design #2



Amtex Energy, Inc

Lea County, New Mexico

Sec 30, T21S, R33E

Dagger State COM #506H

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 #506H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3833.3usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3833.3usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #506H	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	Latitude:	32° 27' 6.033 N
From:	Lat/Long	Easting:	722,057.48 usft	Longitude:	103° 36' 48.469 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 °

Well	Dagger State COM #506H					
Well Position	+N/-S	-654.8 usft	Northing:	528,126.96 usft	Latitude:	32° 26' 59.456 N
	+E/-W	1,462.8 usft	Easting:	723,520.24 usft	Longitude:	103° 36' 31.450 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,813.3 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/23/2016	7.08	60.28	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)	Direction (°)
	0.0	0.0	0.0	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	
10,427.1	0.00	0.00	10,427.1	0.0	0.0	0.00	0.00	0.00	0.00	
11,337.1	91.00	359.53	11,000.0	582.9	-4.7	10.00	10.00	0.00	359.53	PBHL Dagger State C
18,314.5	91.00	359.53	10,878.2	7,559.1	-61.4	0.00	0.00	0.00	0.00	PBHL Dagger State C

Well Planning Report



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Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3833.3usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3833.3usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #506H	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



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #506H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3833.3usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3833.3usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #506H	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)	
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	
Build 10°/100'										
10,427.1	0.00	0.00	10,427.1	0.0	0.0	0.0	0.00	0.00	0.00	

Well Planning Report



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Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3833.3usft
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Well:	Dagger State COM #506H	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)	
10,450.0	2.29	359.53	10,450.0	0.5	0.0	0.5	10.00	10.00	0.00	
10,500.0	7.29	359.53	10,499.8	4.6	0.0	4.6	10.00	10.00	0.00	
10,550.0	12.29	359.53	10,549.1	13.1	-0.1	13.1	10.00	10.00	0.00	
10,600.0	17.29	359.53	10,597.4	25.9	-0.2	25.9	10.00	10.00	0.00	
10,650.0	22.29	359.53	10,644.4	42.8	-0.3	42.8	10.00	10.00	0.00	
10,700.0	27.29	359.53	10,689.8	63.8	-0.5	63.8	10.00	10.00	0.00	
10,750.0	32.29	359.53	10,733.2	88.6	-0.7	88.6	10.00	10.00	0.00	
10,800.0	37.29	359.53	10,774.2	117.1	-1.0	117.1	10.00	10.00	0.00	
10,850.0	42.29	359.53	10,812.6	149.1	-1.2	149.1	10.00	10.00	0.00	
10,900.0	47.29	359.53	10,848.1	184.3	-1.5	184.3	10.00	10.00	0.00	
10,950.0	52.29	359.53	10,880.4	222.5	-1.8	222.5	10.00	10.00	0.00	
11,000.0	57.29	359.53	10,909.2	263.3	-2.1	263.3	10.00	10.00	0.00	
11,050.0	62.29	359.53	10,934.3	306.5	-2.5	306.5	10.00	10.00	0.00	
11,100.0	67.29	359.53	10,955.6	351.7	-2.9	351.8	10.00	10.00	0.00	
11,150.0	72.29	359.53	10,972.9	398.7	-3.2	398.7	10.00	10.00	0.00	
11,200.0	77.29	359.53	10,986.0	446.9	-3.6	446.9	10.00	10.00	0.00	
11,250.0	82.29	359.53	10,994.9	496.1	-4.0	496.1	10.00	10.00	0.00	
11,300.0	87.29	359.53	10,999.4	545.8	-4.4	545.9	10.00	10.00	0.00	
EOC / 91° Inc / 359.53° Azm / 11000' TVD										
11,337.1	91.00	359.53	11,000.0	582.9	-4.7	583.0	10.00	10.00	0.00	
11,400.0	91.00	359.53	10,998.9	645.8	-5.2	645.8	0.00	0.00	0.00	
11,500.0	91.00	359.53	10,997.1	745.8	-6.1	745.8	0.00	0.00	0.00	
11,600.0	91.00	359.53	10,995.4	845.8	-6.9	845.8	0.00	0.00	0.00	
11,700.0	91.00	359.53	10,993.6	945.8	-7.7	945.8	0.00	0.00	0.00	
11,800.0	91.00	359.53	10,991.9	1,045.8	-8.5	1,045.8	0.00	0.00	0.00	
11,900.0	91.00	359.53	10,990.1	1,145.7	-9.3	1,145.8	0.00	0.00	0.00	
12,000.0	91.00	359.53	10,988.4	1,245.7	-10.1	1,245.8	0.00	0.00	0.00	
12,100.0	91.00	359.53	10,986.7	1,345.7	-10.9	1,345.7	0.00	0.00	0.00	
12,200.0	91.00	359.53	10,984.9	1,445.7	-11.7	1,445.7	0.00	0.00	0.00	
12,300.0	91.00	359.53	10,983.2	1,545.7	-12.6	1,545.7	0.00	0.00	0.00	
12,400.0	91.00	359.53	10,981.4	1,645.6	-13.4	1,645.7	0.00	0.00	0.00	
12,500.0	91.00	359.53	10,979.7	1,745.6	-14.2	1,745.7	0.00	0.00	0.00	
12,600.0	91.00	359.53	10,977.9	1,845.6	-15.0	1,845.7	0.00	0.00	0.00	
12,700.0	91.00	359.53	10,976.2	1,945.6	-15.8	1,945.6	0.00	0.00	0.00	
12,800.0	91.00	359.53	10,974.4	2,045.6	-16.6	2,045.6	0.00	0.00	0.00	
12,900.0	91.00	359.53	10,972.7	2,145.5	-17.4	2,145.6	0.00	0.00	0.00	
13,000.0	91.00	359.53	10,970.9	2,245.5	-18.2	2,245.6	0.00	0.00	0.00	
13,100.0	91.00	359.53	10,969.2	2,345.5	-19.0	2,345.6	0.00	0.00	0.00	
13,200.0	91.00	359.53	10,967.5	2,445.5	-19.9	2,445.6	0.00	0.00	0.00	
13,300.0	91.00	359.53	10,965.7	2,545.5	-20.7	2,545.6	0.00	0.00	0.00	
13,400.0	91.00	359.53	10,964.0	2,645.5	-21.5	2,645.5	0.00	0.00	0.00	
13,500.0	91.00	359.53	10,962.2	2,745.4	-22.3	2,745.5	0.00	0.00	0.00	
13,600.0	91.00	359.53	10,960.5	2,845.4	-23.1	2,845.5	0.00	0.00	0.00	
13,700.0	91.00	359.53	10,958.7	2,945.4	-23.9	2,945.5	0.00	0.00	0.00	
13,800.0	91.00	359.53	10,957.0	3,045.4	-24.7	3,045.5	0.00	0.00	0.00	
13,900.0	91.00	359.53	10,955.2	3,145.4	-25.5	3,145.5	0.00	0.00	0.00	
14,000.0	91.00	359.53	10,953.5	3,245.3	-26.4	3,245.5	0.00	0.00	0.00	
14,100.0	91.00	359.53	10,951.8	3,345.3	-27.2	3,345.4	0.00	0.00	0.00	
14,200.0	91.00	359.53	10,950.0	3,445.3	-28.0	3,445.4	0.00	0.00	0.00	
14,300.0	91.00	359.53	10,948.3	3,545.3	-28.8	3,545.4	0.00	0.00	0.00	
14,400.0	91.00	359.53	10,946.5	3,645.3	-29.6	3,645.4	0.00	0.00	0.00	
14,500.0	91.00	359.53	10,944.8	3,745.3	-30.4	3,745.4	0.00	0.00	0.00	
14,600.0	91.00	359.53	10,943.0	3,845.2	-31.2	3,845.4	0.00	0.00	0.00	
14,700.0	91.00	359.53	10,941.3	3,945.2	-32.0	3,945.3	0.00	0.00	0.00	

Well Planning Report



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #506H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3833.3usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3833.3usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #506H	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)	
14,800.0	91.00	359.53	10,939.5	4,045.2	-32.9	4,045.3	0.00	0.00	0.00	
14,900.0	91.00	359.53	10,937.8	4,145.2	-33.7	4,145.3	0.00	0.00	0.00	
15,000.0	91.00	359.53	10,936.0	4,245.2	-34.5	4,245.3	0.00	0.00	0.00	
15,100.0	91.00	359.53	10,934.3	4,345.1	-35.3	4,345.3	0.00	0.00	0.00	
15,200.0	91.00	359.53	10,932.6	4,445.1	-36.1	4,445.3	0.00	0.00	0.00	
15,300.0	91.00	359.53	10,930.8	4,545.1	-36.9	4,545.3	0.00	0.00	0.00	
15,400.0	91.00	359.53	10,929.1	4,645.1	-37.7	4,645.2	0.00	0.00	0.00	
15,500.0	91.00	359.53	10,927.3	4,745.1	-38.5	4,745.2	0.00	0.00	0.00	
15,600.0	91.00	359.53	10,925.6	4,845.0	-39.3	4,845.2	0.00	0.00	0.00	
15,700.0	91.00	359.53	10,923.8	4,945.0	-40.2	4,945.2	0.00	0.00	0.00	
15,800.0	91.00	359.53	10,922.1	5,045.0	-41.0	5,045.2	0.00	0.00	0.00	
15,900.0	91.00	359.53	10,920.3	5,145.0	-41.8	5,145.2	0.00	0.00	0.00	
16,000.0	91.00	359.53	10,918.6	5,245.0	-42.6	5,245.1	0.00	0.00	0.00	
16,100.0	91.00	359.53	10,916.8	5,345.0	-43.4	5,345.1	0.00	0.00	0.00	
16,200.0	91.00	359.53	10,915.1	5,444.9	-44.2	5,445.1	0.00	0.00	0.00	
16,300.0	91.00	359.53	10,913.4	5,544.9	-45.0	5,545.1	0.00	0.00	0.00	
16,400.0	91.00	359.53	10,911.6	5,644.9	-45.8	5,645.1	0.00	0.00	0.00	
16,500.0	91.00	359.53	10,909.9	5,744.9	-46.7	5,745.1	0.00	0.00	0.00	
16,600.0	91.00	359.53	10,908.1	5,844.9	-47.5	5,845.1	0.00	0.00	0.00	
16,700.0	91.00	359.53	10,906.4	5,944.8	-48.3	5,945.0	0.00	0.00	0.00	
16,800.0	91.00	359.53	10,904.6	6,044.8	-49.1	6,045.0	0.00	0.00	0.00	
16,900.0	91.00	359.53	10,902.9	6,144.8	-49.9	6,145.0	0.00	0.00	0.00	
17,000.0	91.00	359.53	10,901.1	6,244.8	-50.7	6,245.0	0.00	0.00	0.00	
17,100.0	91.00	359.53	10,899.4	6,344.8	-51.5	6,345.0	0.00	0.00	0.00	
17,200.0	91.00	359.53	10,897.6	6,444.8	-52.3	6,445.0	0.00	0.00	0.00	
17,300.0	91.00	359.53	10,895.9	6,544.7	-53.2	6,544.9	0.00	0.00	0.00	
17,400.0	91.00	359.53	10,894.2	6,644.7	-54.0	6,644.9	0.00	0.00	0.00	
17,500.0	91.00	359.53	10,892.4	6,744.7	-54.8	6,744.9	0.00	0.00	0.00	
17,600.0	91.00	359.53	10,890.7	6,844.7	-55.6	6,844.9	0.00	0.00	0.00	
17,700.0	91.00	359.53	10,888.9	6,944.7	-56.4	6,944.9	0.00	0.00	0.00	
17,800.0	91.00	359.53	10,887.2	7,044.6	-57.2	7,044.9	0.00	0.00	0.00	
17,900.0	91.00	359.53	10,885.4	7,144.6	-58.0	7,144.9	0.00	0.00	0.00	
18,000.0	91.00	359.53	10,883.7	7,244.6	-58.8	7,244.8	0.00	0.00	0.00	
18,100.0	91.00	359.53	10,881.9	7,344.6	-59.6	7,344.8	0.00	0.00	0.00	
18,200.0	91.00	359.53	10,880.2	7,444.6	-60.5	7,444.8	0.00	0.00	0.00	
18,300.0	91.00	359.53	10,878.5	7,544.5	-61.3	7,544.8	0.00	0.00	0.00	
TD @ 18315' MD / 10878' TVD										
18,314.5	91.00	359.53	10,878.2	7,559.1	-61.4	7,559.3	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PBHL Dagger State Con	0.00	0.00	10,990.0	7,559.1	-61.4	535,686.04	723,458.85	32° 28' 14.259 N	103° 36' 31.568 W	
- hit/miss target										
- Shape										
- plan misses target center by 111.8usft at 18312.6usft MD (10878.2 TVD, 7557.1 N, -61.4 E)										
- Point										

Well Planning Report



Database:	EDM5002	Local Co-ordinate Reference:	Well Dagger State COM #506H
Company:	Amtex Energy, Inc	TVD Reference:	Well @ 3833.3usft
Project:	Lea County, New Mexico	MD Reference:	Well @ 3833.3usft
Site:	Sec 30, T21S, R33E	North Reference:	Grid
Well:	Dagger State COM #506H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,427.1	10,427.1	0.0	0.0	Build 10°/100'
11,337.1	11,000.0	582.9	-4.7	EOC / 91° Inc / 359.53° Azm / 11000' TVD
18,314.5	10,878.2	7,559.1	-61.4	TD @ 18315' MD / 10878' TVD