

Results of Directional Survey

API number:	30-025-39910		
OGRID:		Operator:	AMTEX ENERGY INC
		Property:	TEAPOT # 2H

surface	ULSTR:	B	34	T 18S	R 34E
				330 FNL	2309 FEL

BH Loc	ULSTR:	O	34	T 18S	R 34E
14411	MD	9877.4	TVD	5030 FNL	1673 FEL
				250 FSL	

Top Perf/OH	ULSTR:	B	34	T 18S	R 34E
11606	MD	9815.1	TVD	2253 FNL	2060 FEL

Bot Perf/OH	ULSTR:	O	34	T 18S	R 34E
14311	MD	9873.0	TVD	4931 FNL	1686 FEL
				349 FSL	

	MD	N/S	E/W	VD
	11586	-1903.60	247.00	9814.5
TOP PERFS/OH	11606	-1923.47	249.45	9815.08
	11617	-1934.40	250.80	9815.40
	14294	-4584.10	621.20	9872.30
BOT PERFS/OH	14311	-4600.94	623.38	9873.04
	14326	-4615.80	625.30	9873.70

NEXT TO LAST	14294	-4584.10	621.20	9872.30
LAST READING	14326	-4615.80	625.30	9873.70
TD	14411	-4700.00	636.19	9877.42

Surface Location	330	FN	2309	FE
Projected BHL	5030	FN	1673	FE
Location of				
Top Perfs/OH	2253	FN	2060	FE
Bottom Perfs/OH	4931	FN	1686	FE

SUMMARY of Subsurface Locations

Surface Location	B-34-18S-34E	330	FN	2309	FE	Vert. Depth
Top Perfs/OH	B-34-18S-34E	2253	FN	2060	FE	9815.08
Bottom Perfs/OH	O-34-18S-34E	4931	FN	1686	FE	9873.04
Projected TD	O-34-18S-34E	5030	FN	1673	FE	9877.42

SEP 27 2011

SUR: B-34-18s-34e, 330/N & 2309/E
BHL: O-34-18s-34e, 5030/N & 1673/E
API # 30-025-39910

HOBBS OCD

SEP 12 2011

WELL NAME AND NUMBER Tea Pot No. 2H **RECEIVED**
LOCATION Section 34, R34E, T18S, Unit B, 330 FNL, 230 FEL, Eddy County
OPERATOR Amtex Energy, Inc. **Lea**
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
3/4° @ 411'	1° @ 6504'	55.8° @ 9797'
1/4° @ 495'	3/4° @ 6913'	66° @ 9860'
1/2° @ 824'	1/2° @ 7418'	70.8° @ 9891'
3/4° @ 1001'	1/2° @ 7930'	73.3° @ 9955'
1/4° @ 1391'	1/2° @ 8392'	74.9° @ 9985'
1/2° @ 1803'	1° @ 8863'	75° @ 10,049'
1/4° @ 2077'	1.6° @ 9387'	77.2° @ 10,078'
1/4° @ 2393'	5.7° @ 9419'	80.9° @ 10,110'
1/4° @ 2770'	10.1° @ 9450'	86° @ 10,141'
1/2° @ 3280'	14.3° @ 9482'	91.6° @ 10,173'
1° @ 3659'	23.1° @ 9545'	94.3° @ 10,223'
1/4° @ 4149'	27.4° @ 9576'	90.0° @ 10,361'
1/4° @ 4623'	32.2° @ 9608'	92.9° @ 10,520'
1° @ 5117'	41.6° @ 9671'	93.6° @ 10,612'
1/2° @ 5495'	50.6° @ 9734'	93.4° @ 10,643'
3/4° @ 6000'	52.6° @ 9765'	93° @ 10,674'

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 8th day of April, 2011.

Carlene Martin
Notary Public

Chaves New Mexico
County State

My Commission Expires: 10/8/12

SUR: B-34-18s-34e, 330/N & 2309/E
BHL: O-34-18s-34e, 5030/N & 1673/E
API # 30-025-39910

WELL NAME AND NUMBER Tea Pot No. 2H

LOCATION Section 34, R34E, T18S, Unit B, 330 FNL, 230 FEL, Eddy County

OPERATOR Amtex Energy, Inc.

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
92.6° @ 10,705'	88.4° @ 12,089	
93.7° @ 10,736'	87.5° @ 12,121'	
93.7° @ 10,767'	89.1° @ 12,404'	
93.7° @ 10,798'	88.8° @ 12,436'	
90.7° @ 11,082'	88.4° @ 12,467'	
89.3° @ 11,113'	87.8° @ 12,908'	
88.8° @ 11,145'	88.4° @ 12,939'	
88.1° @ 11,176'	88.5° @ 12,971'	
87.8° @ 11,216'	87.9° @ 13,475'	
85.2° @ 11,428'	87.4° @ 13,506'	
86.2° @ 11,460'	87.9° @ 13,538'	
86.8° @ 11,491'	88.8° @ 14,136'	
86.6° @ 11,523'	88.7° @ 14,167'	
89.8° @ 11,869'	88.5° @ 14,199'	
88.5° @ 11,900'	87.5° @ 14,376'	
88.1° @ 11,932	87.3° @ 14,387'	

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 8th day of April, 2011.

Carlene Martin

Notary Public

Chaves New Mexico
County State

My Commission Expires:

10/8/12

SUR: B-34-18s-34e, 330/N & 2309/E
BHL: O-34-18s-34e, 5030/N & 1673/E
API # 30-025-39910

Amtex Energy, Inc

**Lea County, New Mexico
Sec 34 T18S R34E N.M. P.M
TEAPOT #2H**

HOBBS OCD

SEP 12 2011

Wellbore #1

RECEIVED

Survey: MWD Survey

DDC Survey Report

07 April, 2011



DDC Survey Report



Company:	Amtex Energy, Inc	Local Co-ordinate Reference:	Well TEAPOT #2H
Project:	Lea County, New Mexico	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 34 T18S R34E N.M. P.M	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	TEAPOT #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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 34 T18S R34E N.M. P.M		
Site Position:		Northing:	623,066.20 usft
From:	Map	Easting:	741,991.50 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 42' 37.577 N
		Longitude:	103° 32' 47.710 W
		Grid Convergence:	0.43 °

Well:	TEAPOT #2H		
Well Position	+N/-S	0.0 usft	Latitude: 32° 42' 37.577 N
	+E/-W	0.0 usft	Longitude: 103° 32' 47.710 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Ground Level:	0.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	2/14/2011	7.65
			Dip Angle (°)
			60.65
			Field Strength (nT)
			48,972

Design:	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			172.29

Survey Program	Date 4/7/2011		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	9,330.5	Gyro (Wellbore #1)	Good_gyro
9,387.0	14,411.0	MWD Survey (Wellbore #1)	MWD default
			Description
			Good Gyro
			MWD - Standard

Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
Tie-In									
9,330.5	1.78	343.58	9,329.9	36.5	-48.7	-42.7	0.00	0.00	0.00
9,387.0	1.60	204.30	9,386.4	36.6	-49.3	-42.9	5.61	-0.32	-246.48
9,419.0	5.70	182.50	9,418.3	34.6	-49.6	-41.0	13.30	12.81	-68.13
9,450.0	10.10	176.50	9,449.0	30.4	-49.5	-36.7	14.42	14.19	-19.35
9,482.0	14.30	170.50	9,480.3	23.7	-48.6	-30.0	13.69	13.13	-18.75
9,513.0	18.60	165.60	9,510.0	15.1	-46.8	-21.3	14.56	13.87	-15.81
9,545.0	23.10	163.00	9,539.9	4.2	-43.7	-10.0	14.35	14.06	-8.13
9,576.0	27.40	161.90	9,568.0	-8.4	-39.7	3.0	13.95	13.87	-3.55
9,608.0	32.20	163.00	9,595.7	-23.6	-34.9	18.7	15.10	15.00	3.44

DDC
Survey Report



Company:	Amtex Energy, Inc	Local Co-ordinate Reference:	Well TEAPOT #2H
Project:	Lea County, New Mexico	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 34 T18S R34E N.M. P.M	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	TEAPOT #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
9,639.0	36.80	164.60	9,621.3	-40.5	-30.0	36.1	15.12	14.84	5.16
9,671.0	41.60	165.80	9,646.1	-60.0	-24.9	56.1	15.19	15.00	3.75
9,702.0	46.20	166.50	9,668.4	-80.9	-19.7	77.5	14.92	14.84	2.26
9,734.0	50.60	166.80	9,689.6	-104.2	-14.2	101.3	13.77	13.75	0.94
9,765.0	52.60	166.80	9,708.9	-127.8	-8.7	125.5	6.45	6.45	0.00
9,797.0	55.80	166.50	9,727.6	-153.1	-2.7	151.3	10.03	10.00	-0.94
Crossed Hard-Line @ 9816' MD									
9,816.0	58.68	166.50	9,737.9	-168.6	1.1	167.2	15.16	15.16	0.00
9,828.0	60.50	166.50	9,744.0	-178.7	3.5	177.5	15.16	15.16	0.00
9,860.0	66.00	166.50	9,758.4	-206.4	10.2	205.9	17.19	17.19	0.00
9,891.0	70.80	167.00	9,769.8	-234.5	16.8	234.6	15.56	15.48	1.61
9,923.0	73.30	167.90	9,779.6	-264.2	23.4	264.9	8.26	7.81	2.81
9,954.0	74.90	168.90	9,788.1	-293.4	29.4	294.7	6.02	5.16	3.23
9,986.0	75.20	168.80	9,796.4	-323.7	35.3	325.5	0.98	0.94	-0.31
10,017.0	75.20	168.80	9,804.3	-353.1	41.2	355.5	0.00	0.00	0.00
10,049.0	75.00	168.60	9,812.5	-383.4	47.2	386.3	0.87	-0.63	-0.63
10,078.0	77.20	168.40	9,819.5	-411.0	52.8	414.4	7.62	7.59	-0.69
10,110.0	80.90	169.10	9,825.6	-441.8	59.0	445.8	11.76	11.56	2.19
10,141.0	86.00	169.80	9,829.1	-472.1	64.6	476.5	16.60	16.45	2.26
10,173.0	91.60	171.80	9,829.8	-503.7	69.7	508.5	18.58	17.50	6.25
10,204.0	94.30	172.60	9,828.2	-534.3	73.9	539.4	9.08	8.71	2.58
10,236.0	94.30	173.00	9,825.8	-566.0	77.9	571.3	1.25	0.00	1.25
10,267.0	93.10	173.00	9,823.8	-596.7	81.7	602.3	3.87	-3.87	0.00
10,299.0	91.40	173.00	9,822.5	-628.4	85.6	634.2	5.31	-5.31	0.00
10,330.0	90.40	172.50	9,822.0	-659.2	89.5	665.2	3.61	-3.23	-1.61
10,361.0	90.30	172.30	9,821.8	-689.9	93.6	696.2	0.72	-0.32	-0.65
10,392.0	90.60	172.60	9,821.6	-720.6	97.7	727.2	1.37	0.97	0.97
10,423.0	90.80	173.20	9,821.2	-751.4	101.5	758.2	2.04	0.65	1.94
10,454.0	91.60	173.30	9,820.6	-782.2	105.1	789.2	2.60	2.58	0.32
10,486.0	92.90	173.70	9,819.3	-814.0	108.8	821.2	4.25	4.06	1.25
10,517.0	94.90	173.50	9,817.2	-844.7	112.2	852.1	6.48	6.45	-0.65
10,549.0	95.20	173.90	9,814.4	-876.4	115.7	884.0	1.56	0.94	1.25
10,580.0	94.30	173.30	9,811.8	-907.1	119.1	914.9	3.49	-2.90	-1.94
10,612.0	93.60	173.30	9,809.6	-938.8	122.9	946.8	2.19	-2.19	0.00
10,643.0	93.40	173.00	9,807.7	-969.5	126.6	977.7	1.16	-0.65	-0.97
10,674.0	93.00	173.20	9,806.0	-1,000.2	130.3	1,008.7	1.44	-1.29	0.65
10,705.0	92.90	172.80	9,804.4	-1,031.0	134.1	1,039.6	1.33	-0.32	-1.29
10,736.0	93.70	173.30	9,802.6	-1,061.7	137.8	1,070.6	3.04	2.58	1.61
10,767.0	93.70	173.00	9,800.6	-1,092.4	141.5	1,101.5	0.97	0.00	-0.97
10,798.0	93.70	173.20	9,798.6	-1,123.1	145.2	1,132.4	0.64	0.00	0.65
10,830.0	93.70	173.50	9,796.5	-1,154.8	148.9	1,164.4	0.94	0.00	0.94
10,862.0	93.20	173.00	9,794.6	-1,186.5	152.7	1,196.3	2.21	-1.56	-1.56
10,893.0	91.50	172.80	9,793.4	-1,217.3	156.5	1,227.3	5.52	-5.48	-0.65

DDC Survey Report



Company:	Amtex Energy, Inc	Local Co-ordinate Reference:	Well TEAPOT #2H
Project:	Lea County, New Mexico	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 34 T18S R34E N.M. P.M	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	TEAPOT #2H	North Reference:	Grid.
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
10,924.0	90.70	172.60	9,792.8	-1,248.0	160.4	1,258.3	2.66	-2.58	-0.65
10,956.0	90.60	172.50	9,792.4	-1,279.7	164.6	1,290.3	0.44	-0.31	-0.31
10,987.0	90.30	172.10	9,792.1	-1,310.5	168.7	1,321.3	1.61	-0.97	-1.29
11,019.0	90.30	172.30	9,792.0	-1,342.2	173.1	1,353.3	0.62	0.00	0.63
11,050.0	91.20	172.60	9,791.6	-1,372.9	177.1	1,384.3	3.06	2.90	0.97
11,082.0	90.50	173.50	9,791.1	-1,404.7	181.0	1,416.2	3.56	-2.19	2.81
11,113.0	89.30	173.50	9,791.2	-1,435.5	184.5	1,447.2	3.87	-3.87	0.00
11,145.0	88.80	173.50	9,791.7	-1,467.2	188.1	1,479.2	1.56	-1.56	0.00
11,176.0	88.30	172.80	9,792.5	-1,498.0	191.8	1,510.2	2.77	-1.61	-2.26
11,208.0	87.80	173.20	9,793.6	-1,529.8	195.7	1,542.2	2.00	-1.56	1.25
11,240.0	88.00	173.20	9,794.7	-1,561.5	199.5	1,574.2	0.63	0.63	0.00
11,271.0	87.80	173.00	9,795.9	-1,592.3	203.2	1,605.1	0.91	-0.65	-0.65
11,303.0	87.70	173.00	9,797.1	-1,624.0	207.1	1,637.1	0.31	-0.31	0.00
11,334.0	86.70	172.50	9,798.6	-1,654.7	211.0	1,668.1	3.61	-3.23	-1.61
11,365.0	86.40	172.50	9,800.5	-1,685.4	215.1	1,699.0	0.97	-0.97	0.00
11,397.0	86.10	171.80	9,802.6	-1,717.0	219.4	1,731.0	2.38	-0.94	-2.19
11,428.0	85.20	171.60	9,804.9	-1,747.6	223.9	1,761.9	2.97	-2.90	-0.65
11,460.0	86.20	171.20	9,807.3	-1,779.2	228.7	1,793.8	3.36	3.13	-1.25
11,491.0	86.80	171.40	9,809.2	-1,809.8	233.4	1,824.7	2.04	1.94	0.65
11,523.0	86.60	171.60	9,811.1	-1,841.4	238.1	1,856.6	0.88	-0.63	0.63
11,554.0	86.70	171.60	9,812.9	-1,872.0	242.6	1,887.6	0.32	0.32	0.00
11,586.0	87.60	172.60	9,814.5	-1,903.6	247.0	1,919.6	4.20	2.81	3.13
11,617.0	89.10	173.20	9,815.4	-1,934.4	250.8	1,950.5	5.21	4.84	1.94
11,649.0	89.10	173.30	9,815.9	-1,966.1	254.6	1,982.5	0.31	0.00	0.31
11,680.0	89.10	173.50	9,816.4	-1,996.9	258.2	2,013.5	0.65	0.00	0.65
11,712.0	88.70	172.50	9,817.0	-2,028.7	262.1	2,045.5	3.37	-1.25	-3.13
11,743.0	88.40	171.90	9,817.8	-2,059.4	266.3	2,076.5	2.16	-0.97	-1.94
11,774.0	89.60	172.30	9,818.3	-2,090.1	270.5	2,107.5	4.08	3.87	1.29
11,806.0	90.60	172.60	9,818.3	-2,121.8	274.7	2,139.5	3.26	3.13	0.94
11,837.0	90.80	173.00	9,817.9	-2,152.6	278.6	2,170.5	1.44	0.65	1.29
11,869.0	89.80	172.30	9,817.7	-2,184.3	282.7	2,202.5	3.81	-3.13	-2.19
11,900.0	88.50	171.90	9,818.2	-2,215.0	287.0	2,233.5	4.39	-4.19	-1.29
11,932.0	88.10	171.60	9,819.1	-2,246.7	291.5	2,265.5	1.56	-1.25	-0.94
11,963.0	87.90	171.80	9,820.2	-2,277.3	296.0	2,296.4	0.91	-0.65	0.65
11,995.0	87.80	171.20	9,821.4	-2,308.9	300.7	2,328.4	1.90	-0.31	-1.88
12,026.0	88.20	171.60	9,822.5	-2,339.6	305.4	2,359.4	1.82	1.29	1.29
12,058.0	88.30	171.40	9,823.5	-2,371.2	310.1	2,391.4	0.70	0.31	-0.63
12,089.0	88.40	171.20	9,824.3	-2,401.8	314.8	2,422.4	0.72	0.32	-0.65
12,121.0	87.50	171.20	9,825.5	-2,433.4	319.7	2,454.3	2.81	-2.81	0.00
12,153.0	88.50	171.40	9,826.6	-2,465.1	324.5	2,486.3	3.19	3.13	0.63
12,184.0	89.30	171.80	9,827.2	-2,495.7	329.1	2,517.3	2.89	2.58	1.29
12,215.0	89.20	171.60	9,827.6	-2,526.4	333.5	2,548.3	0.72	-0.32	-0.65
12,247.0	88.80	171.60	9,828.2	-2,558.0	338.2	2,580.3	1.25	-1.25	0.00
12,278.0	88.70	171.80	9,828.8	-2,588.7	342.7	2,611.3	0.72	-0.32	0.65

DDC
Survey Report



Company:	Amtex Energy, Inc	Local Co-ordinate Reference:	Well TEAPOT #2H
Project:	Lea County, New Mexico	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 34 T18S R34E N.M. P.M	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	TEAPOT #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
12,310.0	89.90	172.10	9,829.2	-2,620.4	347.2	2,643.3	3.87	3.75	0.94
12,341.0	89.70	172.30	9,829.3	-2,651.1	351.4	2,674.3	0.91	-0.65	0.65
12,373.0	89.30	171.80	9,829.6	-2,682.8	355.8	2,706.3	2.00	-1.25	-1.56
12,404.0	89.10	171.60	9,830.1	-2,713.5	360.3	2,737.3	0.91	-0.65	-0.65
12,436.0	88.80	171.60	9,830.6	-2,745.1	364.9	2,769.3	0.94	-0.94	0.00
12,467.0	88.40	171.10	9,831.4	-2,775.8	369.6	2,800.3	2.07	-1.29	-1.61
12,499.0	88.00	171.10	9,832.4	-2,807.4	374.5	2,832.2	1.25	-1.25	0.00
12,530.0	88.80	171.90	9,833.3	-2,838.0	379.1	2,863.2	3.65	2.58	2.58
12,561.0	89.20	171.80	9,833.8	-2,868.7	383.5	2,894.2	1.33	1.29	-0.32
12,593.0	89.10	171.80	9,834.3	-2,900.4	388.1	2,926.2	0.31	-0.31	0.00
12,625.0	88.20	171.40	9,835.0	-2,932.0	392.8	2,958.2	3.08	-2.81	-1.25
12,656.0	87.90	171.60	9,836.1	-2,962.6	397.3	2,989.2	1.16	-0.97	0.65
12,687.0	88.30	171.40	9,837.1	-2,993.3	401.9	3,020.1	1.44	1.29	-0.65
12,719.0	88.20	171.40	9,838.1	-3,024.9	406.7	3,052.1	0.31	-0.31	0.00
12,750.0	88.00	171.10	9,839.1	-3,055.5	411.4	3,083.1	1.16	-0.65	-0.97
12,782.0	88.20	171.80	9,840.2	-3,087.2	416.2	3,115.1	2.27	0.63	2.19
12,813.0	88.60	171.20	9,841.1	-3,117.8	420.7	3,146.1	2.33	1.29	-1.94
12,845.0	88.50	171.10	9,841.9	-3,149.4	425.7	3,178.1	0.44	-0.31	-0.31
12,876.0	88.30	170.90	9,842.7	-3,180.0	430.5	3,209.0	0.91	-0.65	-0.65
12,908.0	87.80	170.20	9,843.8	-3,211.6	435.8	3,241.0	2.69	-1.56	-2.19
12,939.0	88.40	170.00	9,844.8	-3,242.1	441.1	3,272.0	2.04	1.94	-0.65
12,971.0	88.50	170.00	9,845.7	-3,273.6	446.7	3,303.9	0.31	0.31	0.00
13,002.0	88.50	170.20	9,846.5	-3,304.1	452.0	3,334.9	0.64	0.00	0.65
13,034.0	88.40	170.00	9,847.4	-3,335.6	457.5	3,366.9	0.70	-0.31	-0.63
13,065.0	87.90	169.30	9,848.4	-3,366.1	463.0	3,397.8	2.77	-1.61	-2.26
13,097.0	87.60	168.60	9,849.6	-3,397.5	469.2	3,429.7	2.38	-0.94	-2.19
13,128.0	87.50	168.60	9,851.0	-3,427.9	475.3	3,460.6	0.32	-0.32	0.00
13,160.0	88.70	169.70	9,852.0	-3,459.3	481.3	3,492.6	5.09	3.75	3.44
13,191.0	89.80	170.90	9,852.4	-3,489.8	486.5	3,523.5	5.25	3.55	3.87
13,223.0	89.70	170.50	9,852.6	-3,521.4	491.7	3,555.5	1.29	-0.31	-1.25
13,254.0	90.00	170.70	9,852.7	-3,552.0	496.8	3,586.5	1.16	0.97	0.65
13,286.0	90.00	171.10	9,852.7	-3,583.6	501.8	3,618.5	1.25	0.00	1.25
13,317.0	89.90	171.10	9,852.7	-3,614.2	506.6	3,649.5	0.32	-0.32	0.00
13,349.0	90.10	171.20	9,852.7	-3,645.8	511.6	3,681.5	0.70	0.63	0.31
13,380.0	90.00	173.20	9,852.7	-3,676.5	515.8	3,712.5	6.46	-0.32	6.45
13,412.0	89.10	173.90	9,852.9	-3,708.3	519.4	3,744.5	3.56	-2.81	2.19
13,443.0	88.50	173.50	9,853.6	-3,739.1	522.8	3,775.5	2.33	-1.94	-1.29
13,475.0	87.90	173.50	9,854.6	-3,770.9	526.4	3,807.4	1.88	-1.88	0.00
13,506.0	87.40	173.20	9,855.8	-3,801.7	530.0	3,838.4	1.88	-1.61	-0.97
13,538.0	87.90	173.30	9,857.1	-3,833.4	533.7	3,870.4	1.59	1.56	0.31
13,569.0	87.80	172.80	9,858.3	-3,864.2	537.5	3,901.4	1.64	-0.32	-1.61
13,601.0	88.20	172.80	9,859.4	-3,895.9	541.5	3,933.3	1.25	1.25	0.00
13,632.0	88.30	172.80	9,860.4	-3,926.7	545.4	3,964.3	0.32	0.32	0.00

DDC
Survey Report



Company:	Amtex Energy, Inc	Local Co-ordinate Reference:	Well TEAPOT #2H
Project:	Lea County, New Mexico	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 34 T18S R34E N.M. P.M	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	TEAPOT #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)	
13,664.0	87.90	172.60	9,861.4	-3,958.4	549.4	3,996.3	1.40	-1.25	-0.63	
13,695.0	87.90	172.60	9,862.6	-3,989.1	553.4	4,027.3	0.00	0.00	0.00	
13,727.0	88.50	172.80	9,863.6	-4,020.8	557.5	4,059.3	1.98	1.88	0.63	
13,758.0	89.70	173.90	9,864.1	-4,051.6	561.1	4,090.3	5.25	3.87	3.55	
13,790.0	89.20	173.30	9,864.4	-4,083.4	564.6	4,122.2	2.44	-1.56	-1.88	
13,821.0	89.20	173.50	9,864.8	-4,114.2	568.2	4,153.2	0.65	0.00	0.65	
13,852.0	89.80	174.20	9,865.1	-4,145.0	571.5	4,184.2	2.97	1.94	2.26	
13,884.0	90.00	173.90	9,865.1	-4,176.8	574.8	4,216.2	1.13	0.63	-0.94	
13,916.0	89.80	173.70	9,865.2	-4,208.7	578.3	4,248.2	0.88	-0.63	-0.63	
13,947.0	89.90	174.00	9,865.3	-4,239.5	581.6	4,279.2	1.02	0.32	0.97	
13,979.0	89.40	173.90	9,865.5	-4,271.3	585.0	4,311.2	1.59	-1.56	-0.31	
14,010.0	89.30	173.90	9,865.8	-4,302.1	588.3	4,342.2	0.32	-0.32	0.00	
14,041.0	89.30	173.70	9,866.2	-4,332.9	591.6	4,373.1	0.65	0.00	-0.65	
14,073.0	89.30	173.70	9,866.6	-4,364.7	595.1	4,405.1	0.00	0.00	0.00	
14,104.0	89.00	173.20	9,867.0	-4,395.5	598.7	4,436.1	1.88	-0.97	-1.61	
14,136.0	88.80	173.50	9,867.7	-4,427.3	602.4	4,468.1	1.13	-0.63	0.94	
14,167.0	88.70	173.20	9,868.3	-4,458.1	606.0	4,499.1	1.02	-0.32	-0.97	
14,199.0	88.50	173.20	9,869.1	-4,489.9	609.8	4,531.1	0.63	-0.63	0.00	
14,231.0	88.10	173.20	9,870.1	-4,521.6	613.5	4,563.1	1.25	-1.25	0.00	
14,263.0	87.90	173.00	9,871.2	-4,553.4	617.4	4,595.0	0.88	-0.63	-0.63	
14,294.0	87.80	172.80	9,872.3	-4,584.1	621.2	4,626.0	0.72	-0.32	-0.65	
Crossed Hard-Line @ 14326' MD										
14,326.0	87.50	172.60	9,873.7	-4,615.8	625.3	4,658.0	1.13	-0.94	-0.63	
14,357.0	87.30	172.50	9,875.1	-4,646.5	629.3	4,689.0	0.72	-0.65	-0.32	
TD										
14,411.0	87.30	172.50	9,877.6	-4,700.0	636.3	4,742.9	0.00	0.00	0.00	

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,330.5	9,329.9	36.5	-48.7	Tie-In
9,816.0	9,737.9	-168.6	1.1	Crossed Hard-Line @ 9816' MD
14,326.0	9,873.7	-4,615.8	625.3	Crossed Hard-Line @ 14326' MD
14,411.0	9,877.6	-4,700.0	636.3	TD

Checked By: _____ Approved By: _____ Date: _____

SEP 12 2011

RECEIVED

TEAPOT #2H
Lea County, New Mexico
Q110189 & WT-11142

Company Name: Amtex Energy, Inc
TEAPOT #2H
Lea County, New Mexico
Rig: Original Well Elev
Created By: Kristen Koch
Date: 4/7/2011

Amtex



WELL DETAILS TEAPOT #2H

		Ground Level		0 0	
+N/-S	+E/-W	North	East	Latitude	Longitude
0 0	0 0	623086 20	741991 50	32° 42' 37.577 N	103° 32' 47.710 W

PROJECT DETAILS Lea County, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1886
Zone: New Mexico East 3001
System Datum: Mean Sea Level



Azimuths to Grid North

Correction: 7 23°

Magnetic Field
Strength 48972.4snT
Dip Angle: 60.65°
Date: 2/14/2011
Model: IGRF2010

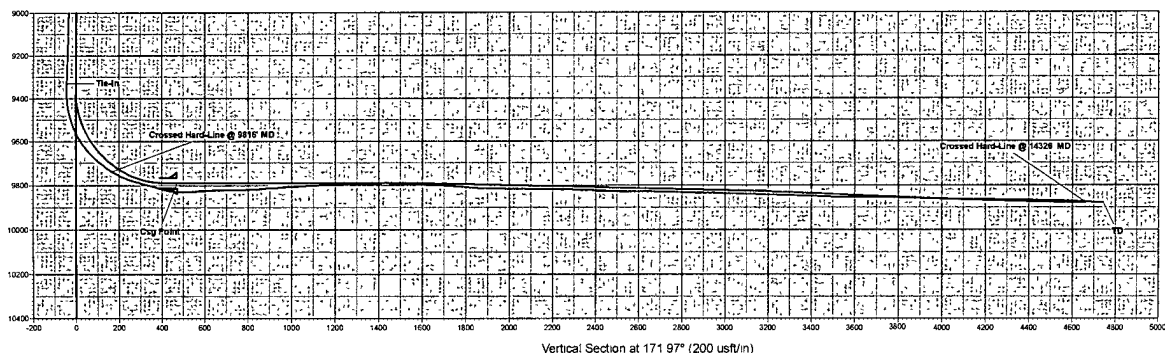
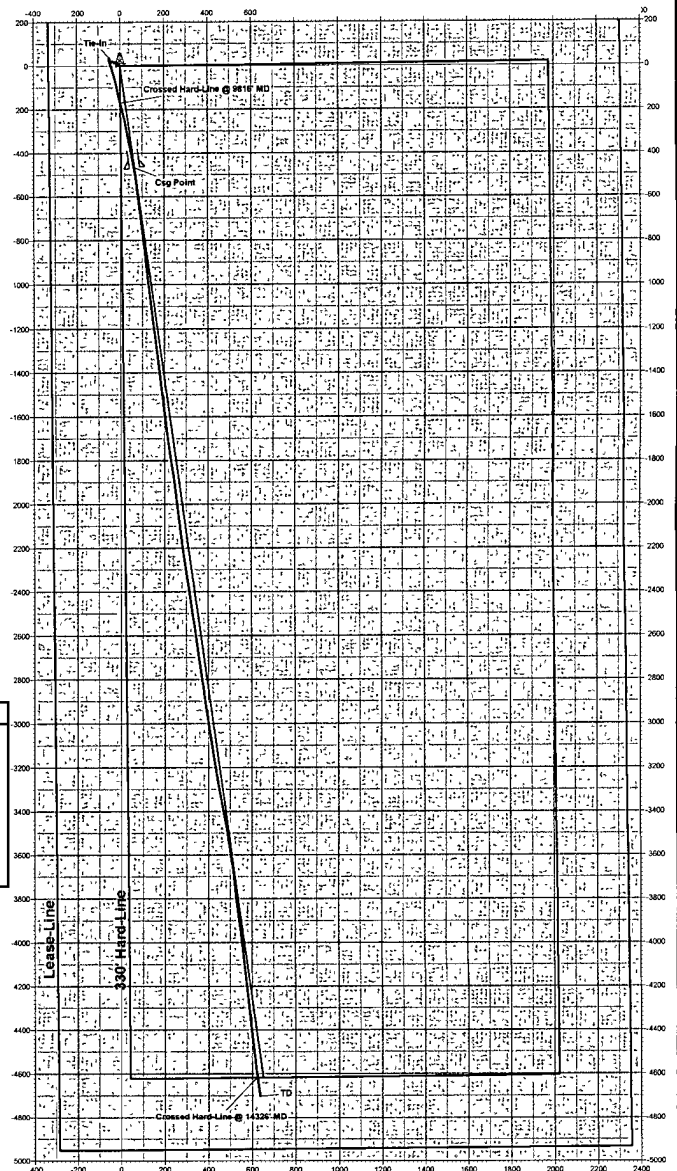
ANNOTATIONS

MD	Inc	Asn	TVD	+N/-S	+E/-W	V-Sect	Departure	Annotation
9330 5	1 78	343 58	9338 9	35 5	-49 7	-42 7	92 5	Tile-In
9816 0	58 68	166 50	9737 9	-166 6	1 1	167 2	306 1	Crossed Hard-Line @ 9816 MD
14326 0	87 50	172 60	9873 7	-4615 8	625 3	4656 0	4786 4	Crossed Hard-Line @ 14326 MD
14411 0	87 30	172 50	9877 6	-4700 0	636 3	4742 9	4683 3	TD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	East	Latitude	Longitude
Landing Point	9799 0	-1584 3	223 5	621461 89	742218 01	32° 42' 51.684 N	103° 32' 46.232 W
- plan hits target center	9810 0	-2476 5	349 2	620590 71	742340 73	32° 42' 13.057 N	103° 32' 43.898 W
3200 - plan hits target center	9828 0	-3168 6	447 0	619897 98	742438 51	32° 42' 6.192 N	103° 32' 42.754 W
3700 - plan hits target center	9849 0	-3663 7	516 9	618402 48	742568 38	32° 42' 1.288 N	103° 32' 41.980 W
4200 - plan hits target center	9868 0	-4158 8	586.7	618907 38	742578 20	32° 41' 56.384 N	103° 32' 41.206 W
PBHL TEAPOT #2H	9878 0	-4616 0	651 6	618450 20	742643 10	32° 41' 51.856 N	103° 32' 40.486 W

- plan misses target center by 1.2usft at 14271.8usft MD (9878 0 TVD, -4615 0 N, 651 1 E)



Vertical Section at 171.97° (200 usft/in)