

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
RECEIVED
Oil Conservation Division
SEP 23 2010
South St. Francis Dr.
Santa Fe, NM 87505
HOBBSDC

Form C-101
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Amtex Energy, Inc. P.O. Box 3418 Midland, Texas 79702		² OGRID Number 000785	
³ Property Code 19383		⁴ Property Name Teapot	
⁵ Proposed Pool 1 Airstrip Bone Spring (00960)		⁶ Proposed Pool 2 Dios Mano (17930)	

⁷ Surface Location

UL or lot no (B)	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	34	18S	34E		330'	North	2309'	East	LEA

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no (O)	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	34	18S	34E		330'	South	1700'	East	Lea

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4003 8' GL
¹⁶ Multiple Yes	¹⁷ Proposed Depth 14400'	¹⁸ Formation Bone Spring	¹⁹ Contractor TBD	²⁰ Spud Date 10/20/2010

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48# H-40 & J55	450' 800	400 SX	Circ to Surface
12-1/4"	9-5/8"	40# J-55 & N80	4000'	1450 SX	Circ to Surface
8-5/8"	7"	26# N-80	9970'	1800 SX	Circ to Surface
6-1/8"	4-1/2"	11.6# P-110	9300' - 14400'	750 SX	9300'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Amtex Energy, Inc (Amtex) proposes to drill vertically to approximately 9970'; then cut a window and turn horizontal toward the South and drill to app 14400' so as to be in the 2nd Bone Spring Sand. This drilling is to develop the Airstrip Bone Spring 320 acre project area for Oil. Should the well prove productive, a 4-1/2" casing will be used with open hole packers. If Non-Productive, the well will be plugged and abandoned in a manner consistent with the State of New Mexico regulations. If the well proves to be productive, it could take 30- 60 days to fully evaluate the well.

Drilling Program for Amtex for this well is Attached as pages 1 through 3

Blowout preventer schematic is Attached Exhibit 1A and 1B

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature *William J. Savage*
Printed name
William J. Savage

Title.
President

E-mail Address:
billsavage@verizon.net

Date:
9/16/2010
Phone:
432-770-0913

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date

SEP 23 2010

Expiration Date

Conditions of Approval Attached ☐

District I
1625 N. French Dr., Hobbs, NM 88240
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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 30-025- 3991D	Pool Code 00960	Pool Name Airstrip; Bone Spring
Property Code 19383	Property Name TEAPOT	Well Number 2H
OCRID No. 000785	Operator Name AMTEX ENERGY, INC.	Elevation 4003.8'

Surface Location

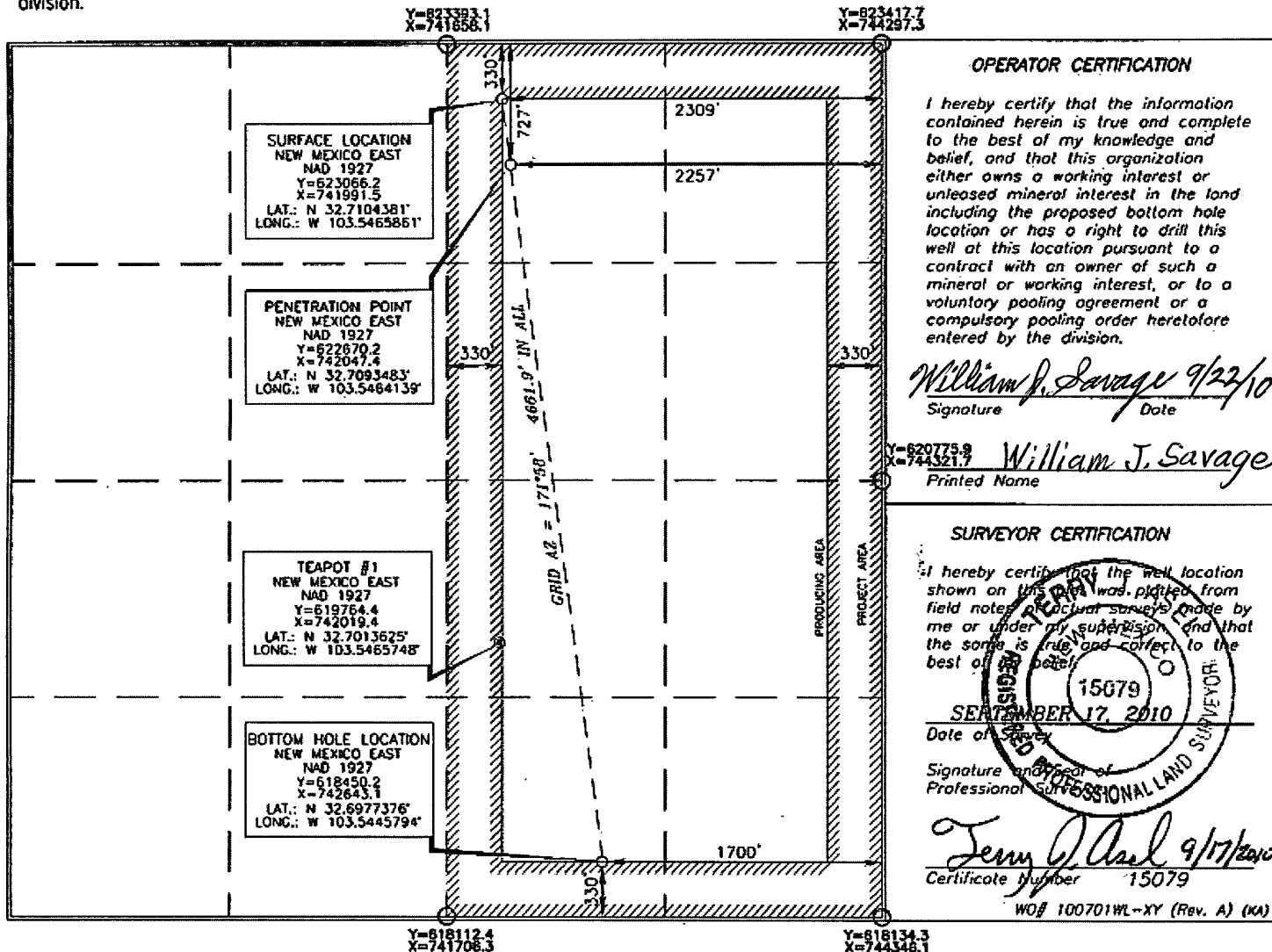
UL or lot no.	Section	Township	Range	Lot Mn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	18 SOUTH	34 EAST, N.M.P.M.		330'	NORTH	2309'	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Mn	Feet from the	North/South line	Feet from the	East/West line	County
O	34	18 SOUTH	34 EAST, N.M.P.M.		330'	SOUTH	1700'	EAST	LEA

Dedicated Acres 320.00	Joint or Infill Y	Consolidation Code P	Order No. Project Area/Consolidation Application
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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.



Amtex Energy, Inc.

1 of 3

Drilling Program

Standard Well Location

330' FNL & 2309' FEL SL

330' FSL & 1700' FEL BHL

SEC. 34 (B) – T 18S – R 34E SL

SEC. 34 (O) – T 18S – R 34E BHL

Lea County, New Mexico

1. Well Name: Teapot Well No. 2H
2. GEOLOGIC NAME OF SURFACE FORMATION: Permian
3. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS: GL: 4004'
EKB: 4023'

	<u>TVD</u>	<u>TMD</u>
Rustler -----	1842'	
B/ Salt -----	3220'	
Yates -----	3358'	
Seven Rivers -----	3843'	
Queen -----	4653'	
Grayburg -----	5283'	
San Andres (BF) -----	5483'	
Delaware Mt. Group ---	5618'	
Bone Spring Lime -----	7819'	
1st Bone Spring Sand ---	9160'	9160'
2nd Bone Spring Sand ---	9775'	9945'
E K Midpoint Pay -----	9845'	14400'
Estimated Total Depth ---	9970'	TMD 14400'

4. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	Above 200'	Fresh Water
2nd Bone Spring Sand	9806' - 9892'	Oil

Fresh water sands will be protected by setting a 13-3/8" csg at 450' and circ the cmt back to surface, 9-5/8" csg will be set at 4000' with cmt circ back to surface.

5. CASING PROGRAM:

2 of 3

Casing	True Vertical Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	450'	17-1/2"	13-3/8"	48 lb/ft	H-40 & J-55	Surface
Intermediate	4000'	12-1/4"	9-5/8"	40 lb/ft	J-55 & N-80	Surface
2nd Intermediate	9970'	8-1/2"	7"	26 lb/ft	N-80	Surface
Production in Lateral Liner	TMD 9300' - 14400'	6-1/8"	4-1/2"	11.6 lb/ft	P-110	9300'

6. CEMENT PROGRAM:

True Vertical Depth	Number of Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
450'	400	14.8	1.32	Class 'C' + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps Cello Flake + 0.005 gps FP-6L
4000'	1050	12.7	2.01	Lead: Class 'C' + 2.00% SMS + 1.5% R-3 + 0.25 lb/sx Cello Flake + 0.005 lb/sx Static Free
	400	14.8	1.32	Tail: Class 'C' + 0.25 lb/sx Cello Flake + 0.005 lb/sx Static Free
9970'	1200	12.7	2.01	Lead: Class 'C' + 2.00% SMS + 1.5% R-3 + 0.25 lb/sx Cello Flake + 0.005 lb/sx Static Free
	200	14.8	1.3	Tail: Class 'C' + 0.25 lb/sx Cello Flake + 0.005 lb/sx Static Free
TMD for Lateral 9300' - 14400'	550	12.0	2.0	Lead: 47:20:17 Class 'H': Poz (Fly Ash): CSE-2 + 1.5% SMS + 0.2% ASA-301 + 1.65% R-21 + 3.00 lb/sx LCM-1
	200	14.2	1.3	Tail: 50:50:2 Class 'H' + 0.3% FL-52A + 0.2% CD -32 + 0.35% SMS + 5% Salt (2.454 lb/sx) + 0.45% R-3 + 0.005 lb/sx Static Free

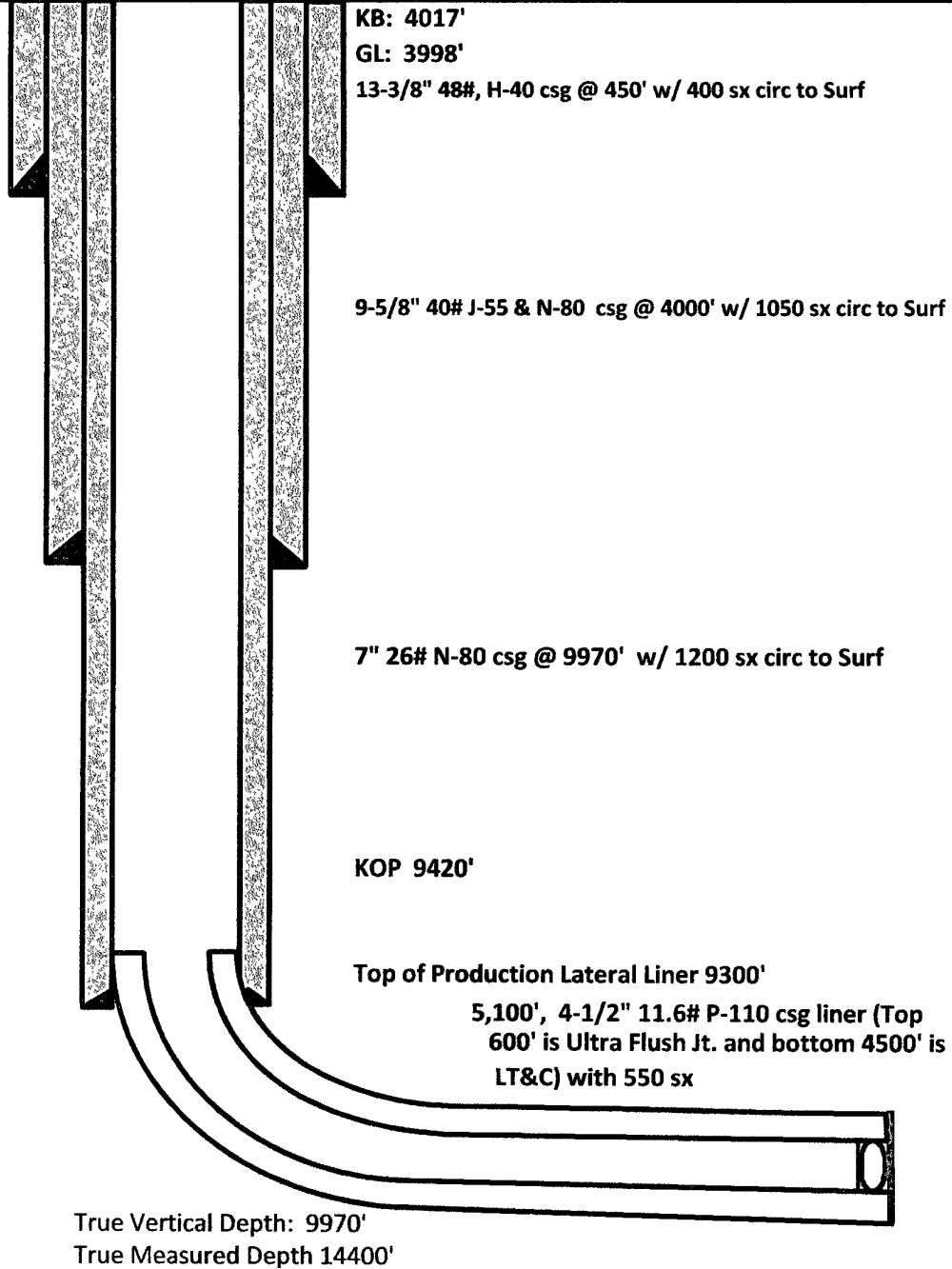
7. MUD PROGRAM:

True Measured Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 450'	Fresh-Gel	8.3 - 8.8	28 - 30	N/c
450' - 4000'	Brine	8.8 - 10.1	28 - 32	N/c
4000' - 9970'	Cut Brine	8.8 - 9.6	28 - 32	N/c
Lateral 9300' - 14400'	Cut Brine - XCD	9.5 - 10.2	40 - 44	8 - 10

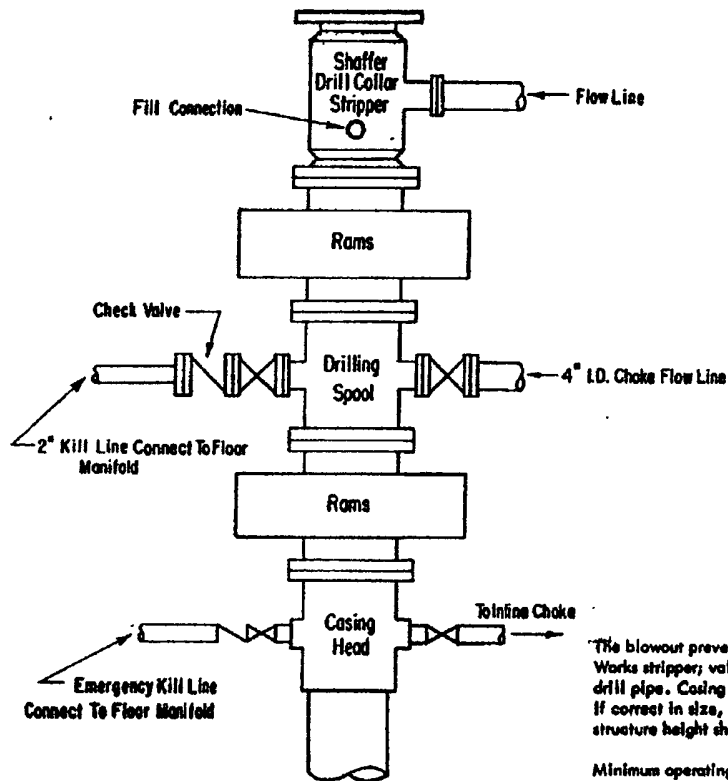
8. Proposed Wellbore Schematic

3 of 3

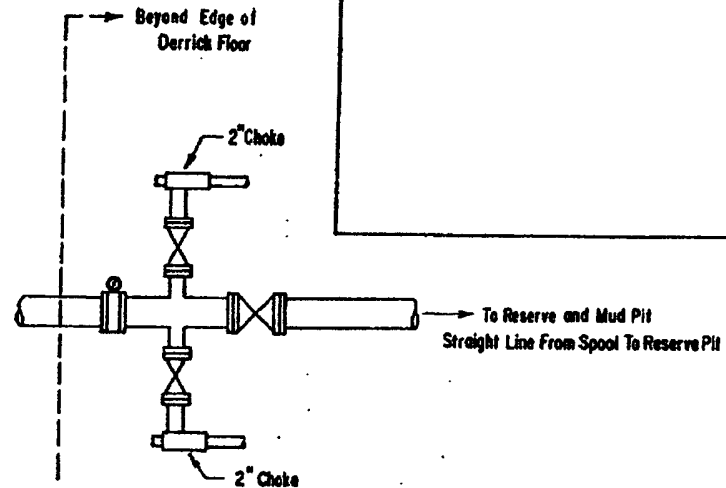
Operator: Amtex Energy, Inc.	Name of Lease: Teapot	Date: 08/26/2010
API: 30-025-	Well Name: Teapot Well No. 2H	
Surface Location: 330' FSL & 2309' FEL, Sec. 34 - T 18S - R 34E, Lea County, New Mexico		
BHL: 330' FNL & 1700' FEL, Sec. 34 - T 18S - R 34E, Lea County, New Mexico		By: TM



Amtex Energy, Inc.
Blowout Preventer
Exhibit 1A



**3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP**



ADDITIONS - DELETIONS - CHANGES
SPECIFY

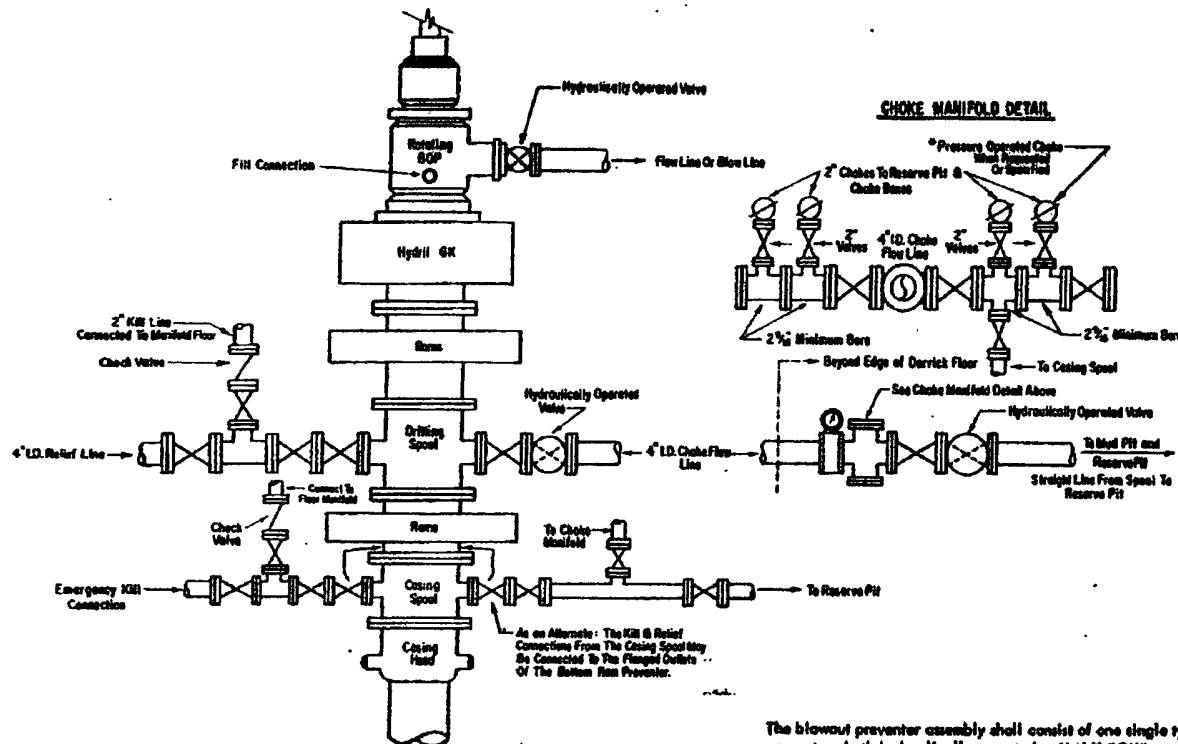
The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated; a Shaffer Tool Works stripper; valves; chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. The ram preventer may be two singles or a double type. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and kill line. The substructure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventers shall be as follows: (1) Pump (s), driven by a continuous source of power, capable of closing all the pressure-operated devices simultaneously within _____ seconds. The pump (s) is to be connected to a closed type hydraulic operating system. (2) When requested, accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive a fluid charge from the above pump (s). With the charging pump (s) shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within _____ seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume of at least _____ percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pump (s); or there shall be an additional pump (s) operated by separate power and equal in performance capabilities.

The closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided if a Hydril preventer is used. Gulf Legion No. 38 hydraulic oil, or equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valve connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

Amtex Energy, Inc.
Blowout Preventer
Exhibit 1B



5000* PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

ADDITIONS-DELETIONS-CHANGES
SPECIFY

The blowout preventer assembly shall consist of one single type billed ram preventer and one single type pipe ram preventer, both hydraulically operated; a Hydril "GK" preventer; a rotating blowout preventer; valves; chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and 4-inch I.D. relief line, except when air or gas drilling. All preventer connections are to be open-face flanged.

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the nitrogen precharge pressure to its rated pressure within _____ minutes. Also, the pumps are to be connected to the nitrogen precharge pressure of not less than 750 PSI and connected so as to resolve the aforementioned fluid charge. With the charging pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within _____ seconds after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least _____ percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equal in performance capabilities.

The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When requested, a second pressure reducer shall be available to limit operating fluid pressures to ram preventers. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, relief line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line, relief line, and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. If deemed necessary, walkways and stairways shall be erected in and around the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves and relief line valves connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

* To include derrick floor mounted controls.

Amtex Energy, INC

Lea County

Teapot

#2H

OH

Plan: Plan #1

Pathfinder X & Y Planning Report

12 July, 2010

The logo for Pathfinder, featuring the word "PATH" in a bold, sans-serif font, followed by "FINDER" in a larger, bold, sans-serif font. A thick, dark, curved line sweeps under the "FINDER" portion of the text.

Pathfinder

Pathfinder X & Y Planning Report



Company:	Amtex Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Project:	Lea County
Map System:	US State Plane 1927 (Exact solution)
Geo Datum:	NAD 1927 (NADCON CONUS)
Map Zone:	New Mexico East 3001
System Datum:	Mean Sea Level

Site:	Teapot
Site Position:	
From:	Map
Position Uncertainty:	0.00 ft
Northing:	623,066.200 ft
Easting:	741,991.500 ft
Slot Radius:	"
Latitude:	32° 42' 37.577 N
Longitude:	103° 32' 47.710 W
Grid Convergence:	0.43 °

Well:	#2H
Well Position	
+N/-S	0.00 ft
+E/-W	0.00 ft
Position Uncertainty	0.00 ft
Northing:	623,066.200 ft
Easting:	741,991.500 ft
Wellhead Elevation:	ft
Latitude:	32° 42' 37.577 N
Longitude:	103° 32' 47.710 W
Ground Level:	4,003.00ft

Wellbore:	OH
Magnetics	
Model Name	User Defined
Sample Date	06/24/2010
Declination (°)	0.00
Dip Angle (°)	0.00
Field Strength (nT)	0

Design:	Plan #1
Audit Notes:	
Version:	Phase: PLAN Tie On Depth: 0.00
Vertical Section:	
Depth From (TVD) (ft)	0.00
+N/-S (ft)	0.00
+E/-W (ft)	0.00
Direction (°)	171.96

Survey Tool Program:	Date 07/12/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	14,249.52	Plan #1 (OH)	INC+TREND	Inclinometer + known azi trend

Pathfinder
Pathfinder X & Y Planning Report



Company:	Amtext Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
0.00	0.00	0.00	0.00	-4,022.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
100.00	0.00	0.00	100.00	-3,922.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
200.00	0.00	0.00	200.00	-3,822.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
300.00	0.00	0.00	300.00	-3,722.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
400.00	0.00	0.00	400.00	-3,622.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
500.00	0.00	0.00	500.00	-3,522.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
600.00	0.00	0.00	600.00	-3,422.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
700.00	0.00	0.00	700.00	-3,322.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
800.00	0.00	0.00	800.00	-3,222.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
900.00	0.00	0.00	900.00	-3,122.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,000.00	0.00	0.00	1,000.00	-3,022.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,100.00	0.00	0.00	1,100.00	-2,922.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,200.00	0.00	0.00	1,200.00	-2,822.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,300.00	0.00	0.00	1,300.00	-2,722.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,400.00	0.00	0.00	1,400.00	-2,622.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,500.00	0.00	0.00	1,500.00	-2,522.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,600.00	0.00	0.00	1,600.00	-2,422.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,700.00	0.00	0.00	1,700.00	-2,322.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,800.00	0.00	0.00	1,800.00	-2,222.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
1,900.00	0.00	0.00	1,900.00	-2,122.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,000.00	0.00	0.00	2,000.00	-2,022.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,100.00	0.00	0.00	2,100.00	-1,922.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,200.00	0.00	0.00	2,200.00	-1,822.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,300.00	0.00	0.00	2,300.00	-1,722.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,400.00	0.00	0.00	2,400.00	-1,622.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,500.00	0.00	0.00	2,500.00	-1,522.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,600.00	0.00	0.00	2,600.00	-1,422.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	

Pathfinder

Pathfinder X & Y Planning Report



Company:	Amtext Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,700.00	0.00	0.00	2,700.00	-1,322.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,800.00	0.00	0.00	2,800.00	-1,222.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
2,900.00	0.00	0.00	2,900.00	-1,122.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,000.00	0.00	0.00	3,000.00	-1,022.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,100.00	0.00	0.00	3,100.00	-922.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,200.00	0.00	0.00	3,200.00	-822.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,300.00	0.00	0.00	3,300.00	-722.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,400.00	0.00	0.00	3,400.00	-622.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,500.00	0.00	0.00	3,500.00	-522.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,600.00	0.00	0.00	3,600.00	-422.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,700.00	0.00	0.00	3,700.00	-322.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,800.00	0.00	0.00	3,800.00	-222.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
3,900.00	0.00	0.00	3,900.00	-122.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,000.00	0.00	0.00	4,000.00	-22.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,100.00	0.00	0.00	4,100.00	78.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,200.00	0.00	0.00	4,200.00	178.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,300.00	0.00	0.00	4,300.00	278.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,400.00	0.00	0.00	4,400.00	378.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,500.00	0.00	0.00	4,500.00	478.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,600.00	0.00	0.00	4,600.00	578.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,700.00	0.00	0.00	4,700.00	678.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,800.00	0.00	0.00	4,800.00	778.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
4,900.00	0.00	0.00	4,900.00	878.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,000.00	0.00	0.00	5,000.00	978.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,100.00	0.00	0.00	5,100.00	1,078.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,200.00	0.00	0.00	5,200.00	1,178.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,300.00	0.00	0.00	5,300.00	1,278.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	

Pathfinder

Pathfinder X & Y Planning Report



Company:	Amtext Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
5,400.00	0.00	0.00	5,400.00	1,378.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,500.00	0.00	0.00	5,500.00	1,478.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,600.00	0.00	0.00	5,600.00	1,578.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,700.00	0.00	0.00	5,700.00	1,678.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,800.00	0.00	0.00	5,800.00	1,778.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
5,900.00	0.00	0.00	5,900.00	1,878.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,000.00	0.00	0.00	6,000.00	1,978.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,100.00	0.00	0.00	6,100.00	2,078.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,200.00	0.00	0.00	6,200.00	2,178.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,300.00	0.00	0.00	6,300.00	2,278.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,400.00	0.00	0.00	6,400.00	2,378.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,500.00	0.00	0.00	6,500.00	2,478.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,600.00	0.00	0.00	6,600.00	2,578.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,700.00	0.00	0.00	6,700.00	2,678.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,800.00	0.00	0.00	6,800.00	2,778.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
6,900.00	0.00	0.00	6,900.00	2,878.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,000.00	0.00	0.00	7,000.00	2,978.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,100.00	0.00	0.00	7,100.00	3,078.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,200.00	0.00	0.00	7,200.00	3,178.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,300.00	0.00	0.00	7,300.00	3,278.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,400.00	0.00	0.00	7,400.00	3,378.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,500.00	0.00	0.00	7,500.00	3,478.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,600.00	0.00	0.00	7,600.00	3,578.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,700.00	0.00	0.00	7,700.00	3,678.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,800.00	0.00	0.00	7,800.00	3,778.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
7,900.00	0.00	0.00	7,900.00	3,878.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,000.00	0.00	0.00	8,000.00	3,978.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	

Pathfinder

Pathfinder X & Y Planning Report



Company:	Amtex Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
8,100.00	0.00	0.00	8,100.00	4,078.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,200.00	0.00	0.00	8,200.00	4,178.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,300.00	0.00	0.00	8,300.00	4,278.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,400.00	0.00	0.00	8,400.00	4,378.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,500.00	0.00	0.00	8,500.00	4,478.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,600.00	0.00	0.00	8,600.00	4,578.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,700.00	0.00	0.00	8,700.00	4,678.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,800.00	0.00	0.00	8,800.00	4,778.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
8,900.00	0.00	0.00	8,900.00	4,878.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
9,000.00	0.00	0.00	9,000.00	4,978.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
9,100.00	0.00	0.00	9,100.00	5,078.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
9,200.00	0.00	0.00	9,200.00	5,178.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
9,300.00	0.00	0.00	9,300.00	5,278.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
9,315.00	0.00	0.00	9,315.00	5,293.00	0.00	0.00	0.00	0.00	623,066.20	741,991.50	
9,325.00	1.20	171.96	9,325.00	5,303.00	-0.10	0.01	0.10	12.01	623,066.10	741,991.51	
9,350.00	4.20	171.96	9,349.97	5,327.97	-1.27	0.18	1.28	12.01	623,064.93	741,991.68	
9,375.00	7.21	171.96	9,374.84	5,352.84	-3.73	0.53	3.77	12.01	623,062.47	741,992.03	
9,400.00	10.21	171.96	9,399.55	5,377.55	-7.48	1.06	7.55	12.01	623,058.72	741,992.56	
9,425.00	13.21	171.96	9,424.03	5,402.03	-12.50	1.77	12.63	12.01	623,053.70	741,993.27	
9,450.00	16.21	171.96	9,448.21	5,426.21	-18.79	2.65	18.97	12.01	623,047.41	741,994.15	
9,475.00	19.22	171.96	9,472.02	5,450.02	-26.32	3.72	26.58	12.01	623,039.88	741,995.22	
9,500.00	22.22	171.96	9,495.40	5,473.40	-35.08	4.95	35.42	12.01	623,031.12	741,996.45	
9,525.00	25.22	171.96	9,518.28	5,496.28	-45.03	6.36	45.48	12.01	623,021.17	741,997.86	
9,550.00	28.22	171.96	9,540.61	5,518.61	-56.16	7.93	56.72	12.01	623,010.04	741,999.43	
9,575.00	31.23	171.96	9,562.32	5,540.32	-68.44	9.67	69.12	12.01	622,997.76	742,001.17	
9,600.00	34.23	171.96	9,583.35	5,561.35	-81.82	11.56	82.63	12.01	622,984.38	742,003.06	
9,625.00	37.23	171.96	9,603.64	5,581.64	-96.27	13.60	97.23	12.01	622,969.93	742,005.10	

Pathfinder
Pathfinder X & Y Planning Report



Company: Amtex Energy, INC		Local Co-ordinate Reference:				Well #2H	
Project: Lea County		TVD Reference:				WELL @ 4022.00ft (Original Well Elev)	
Site: Teapot		MD Reference:				WELL @ 4022.00ft (Original Well Elev)	
Well: #2H		North Reference:				Grid	
Wellbore: OH		Survey Calculation Method:				Minimum Curvature	
Design: Plan #1		Database:				Midland Database	

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)	
9,650.00	40.23	171.96	9,623.14	5,601.14	-111.76	15.79	112.87	12.01	622,954.44	742,007.29	
9,675.00	43.24	171.96	9,641.79	5,619.79	-128.24	18.11	129.51	12.01	622,937.96	742,009.61	
9,700.00	46.24	171.96	9,659.55	5,637.55	-145.66	20.57	147.10	12.01	622,920.54	742,012.07	
9,725.00	49.24	171.96	9,676.36	5,654.36	-163.98	23.16	165.60	12.01	622,902.22	742,014.66	
9,750.00	52.25	171.96	9,692.18	5,670.18	-183.14	25.87	184.96	12.01	622,883.06	742,017.37	
9,775.00	55.25	171.96	9,706.96	5,684.96	-203.10	28.69	205.12	12.01	622,863.10	742,020.19	
9,800.00	58.25	171.96	9,720.66	5,698.66	-223.80	31.61	226.02	12.01	622,842.40	742,023.11	
9,825.00	61.25	171.96	9,733.26	5,711.26	-245.18	34.63	247.62	12.01	622,821.02	742,026.13	
9,850.00	64.26	171.96	9,744.70	5,722.70	-267.19	37.74	269.84	12.01	622,799.01	742,029.24	
9,875.00	67.26	171.96	9,754.96	5,732.96	-289.76	40.93	292.63	12.01	622,776.44	742,032.43	
9,900.00	70.26	171.96	9,764.02	5,742.02	-312.83	44.19	315.93	12.01	622,753.37	742,035.69	
9,925.00	73.26	171.96	9,771.84	5,749.84	-336.33	47.51	339.67	12.01	622,729.87	742,039.01	
9,950.00	76.27	171.96	9,778.41	5,756.41	-360.22	50.88	363.79	12.01	622,705.98	742,042.38	
9,975.00	79.27	171.96	9,783.71	5,761.71	-384.41	54.30	388.22	12.01	622,681.79	742,045.80	
10,000.00	82.27	171.96	9,787.72	5,765.72	-408.84	57.75	412.90	12.01	622,657.36	742,049.25	
10,025.00	85.27	171.96	9,790.43	5,768.43	-433.44	61.22	437.74	12.01	622,632.76	742,052.72	
10,050.00	88.28	171.96	9,791.84	5,769.84	-458.15	64.72	462.70	12.01	622,608.05	742,056.22	
10,057.28	89.15	171.96	9,792.00	5,770.00	-465.36	65.73	469.98	12.01	622,600.84	742,057.23	
10,100.00	89.15	171.96	9,792.63	5,770.63	-507.66	71.71	512.70	0.00	622,558.54	742,063.21	
10,200.00	89.15	171.96	9,794.12	5,772.12	-606.66	85.69	612.68	0.00	622,459.54	742,077.19	
10,300.00	89.15	171.96	9,795.60	5,773.60	-705.67	99.68	712.67	0.00	622,360.53	742,091.18	
10,400.00	89.15	171.96	9,797.08	5,775.08	-804.67	113.66	812.66	0.00	622,261.53	742,105.16	
10,500.00	89.15	171.96	9,798.57	5,776.57	-903.68	127.65	912.65	0.00	622,162.52	742,119.15	
10,600.00	89.15	171.96	9,800.05	5,778.05	-1,002.69	141.63	1,012.64	0.00	622,063.51	742,133.13	
10,700.00	89.15	171.96	9,801.53	5,779.53	-1,101.69	155.62	1,112.63	0.00	621,964.51	742,147.12	
10,800.00	89.15	171.96	9,803.02	5,781.02	-1,200.70	169.60	1,212.62	0.00	621,865.50	742,161.10	
10,900.00	89.15	171.96	9,804.50	5,782.50	-1,299.71	183.59	1,312.61	0.00	621,766.49	742,175.09	

Pathfinder

Pathfinder X & Y Planning Report



Company:	Amtex Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
11,000.00	89.15	171.96	9,805.99	5,783.99	-1,398.71	197.57	1,412.60	0.00	621,667.49	742,189.07
11,100.00	89.15	171.96	9,807.47	5,785.47	-1,497.72	211.56	1,512.59	0.00	621,568.48	742,203.06
11,200.00	89.15	171.96	9,808.95	5,786.95	-1,596.72	225.54	1,612.57	0.00	621,469.48	742,217.04
11,300.00	89.15	171.96	9,810.44	5,788.44	-1,695.73	239.53	1,712.56	0.00	621,370.47	742,231.03
11,400.00	89.15	171.96	9,811.92	5,789.92	-1,794.74	253.51	1,812.55	0.00	621,271.46	742,245.01
11,500.00	89.15	171.96	9,813.40	5,791.40	-1,893.74	267.50	1,912.54	0.00	621,172.46	742,259.00
11,600.00	89.15	171.96	9,814.89	5,792.89	-1,992.75	281.48	2,012.53	0.00	621,073.45	742,272.98
11,700.00	89.15	171.96	9,816.37	5,794.37	-2,091.76	295.47	2,112.52	0.00	620,974.44	742,286.97
11,800.00	89.15	171.96	9,817.85	5,795.85	-2,190.76	309.45	2,212.51	0.00	620,875.44	742,300.95
11,900.00	89.15	171.96	9,819.34	5,797.34	-2,289.77	323.44	2,312.50	0.00	620,776.43	742,314.94
12,000.00	89.15	171.96	9,820.82	5,798.82	-2,388.77	337.42	2,412.49	0.00	620,677.43	742,328.92
12,100.00	89.15	171.96	9,822.30	5,800.30	-2,487.78	351.41	2,512.48	0.00	620,578.42	742,342.91
12,200.00	89.15	171.96	9,823.79	5,801.79	-2,586.79	365.39	2,612.46	0.00	620,479.41	742,356.89
12,300.00	89.15	171.96	9,825.27	5,803.27	-2,685.79	379.38	2,712.45	0.00	620,380.41	742,370.88
12,400.00	89.15	171.96	9,826.75	5,804.75	-2,784.80	393.36	2,812.44	0.00	620,281.40	742,384.86
12,500.00	89.15	171.96	9,828.24	5,806.24	-2,883.80	407.35	2,912.43	0.00	620,182.40	742,398.85
12,600.00	89.15	171.96	9,829.72	5,807.72	-2,982.81	421.33	3,012.42	0.00	620,083.39	742,412.83
12,700.00	89.15	171.96	9,831.20	5,809.20	-3,081.82	435.32	3,112.41	0.00	619,984.38	742,426.82
12,800.00	89.15	171.96	9,832.69	5,810.69	-3,180.82	449.30	3,212.40	0.00	619,885.38	742,440.80
12,900.00	89.15	171.96	9,834.17	5,812.17	-3,279.83	463.29	3,312.39	0.00	619,786.37	742,454.79
13,000.00	89.15	171.96	9,835.65	5,813.65	-3,378.84	477.27	3,412.38	0.00	619,687.36	742,468.77
13,100.00	89.15	171.96	9,837.14	5,815.14	-3,477.84	491.25	3,512.37	0.00	619,588.36	742,482.75
13,200.00	89.15	171.96	9,838.62	5,816.62	-3,576.85	505.24	3,612.35	0.00	619,489.35	742,496.74
13,300.00	89.15	171.96	9,840.11	5,818.11	-3,675.85	519.22	3,712.34	0.00	619,390.35	742,510.72
13,400.00	89.15	171.96	9,841.59	5,819.59	-3,774.86	533.21	3,812.33	0.00	619,291.34	742,524.71
13,500.00	89.15	171.96	9,843.07	5,821.07	-3,873.87	547.19	3,912.32	0.00	619,192.33	742,538.69
13,600.00	89.15	171.96	9,844.56	5,822.56	-3,972.87	561.18	4,012.31	0.00	619,093.33	742,552.68

Pathfinder

Pathfinder X & Y Planning Report



Company:	Amtex Energy, INC	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 4022.00ft (Original Well Elev)
Site:	Teapot	MD Reference:	WELL @ 4022.00ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

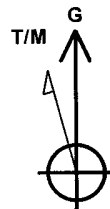
Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
13,700.00	89.15	171.96	9,846.04	5,824.04	-4,071.88	575.16	4,112.30	0.00	618,994.32	742,566.66
13,800.00	89.15	171.96	9,847.52	5,825.52	-4,170.88	589.15	4,212.29	0.00	618,895.32	742,580.65
13,900.00	89.15	171.96	9,849.01	5,827.01	-4,269.89	603.13	4,312.28	0.00	618,796.31	742,594.63
14,000.00	89.15	171.96	9,850.49	5,828.49	-4,368.90	617.12	4,412.27	0.00	618,697.30	742,608.62
14,100.00	89.15	171.96	9,851.97	5,829.97	-4,467.90	631.10	4,512.26	0.00	618,598.30	742,622.60
14,200.00	89.15	171.96	9,853.46	5,831.46	-4,566.91	645.09	4,612.24	0.00	618,499.29	742,636.59
14,248.60	89.15	171.96	9,854.18	5,832.18	-4,615.03	651.89	4,660.84	0.00	618,451.17	742,643.39
PBHL(#2H)										
14,249.52	89.15	171.96	9,854.19	5,832.19	-4,615.94	652.01	4,661.76	0.00	618,450.26	742,643.51

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL(#2H)	0.00	0.00	9,792.00	-4,616.00	651.60	618,450.200	742,643.100	32° 41' 51.855 N	103° 32' 40.486 W
- plan misses target center by 62.19ft at 14248.60ft MD (9854.18 TVD, -4615.03 N, 651.89 E)									
- Point									

Checked By: _____ Approved By: _____ Date: _____

AMTEX Energy

Project: Lea County
Site: Teapot
Well: #2H
Wellbore: OH
Plan: Plan #1 (#2H/OH)



Azimuths to Grid North
True North: -0.42°
Magnetic North: -0.42°

Magnetic Field
Strength: 0.0snT
Dip Angle: 0.00°
Date: 06/24/2010
Model: USER DEFINED

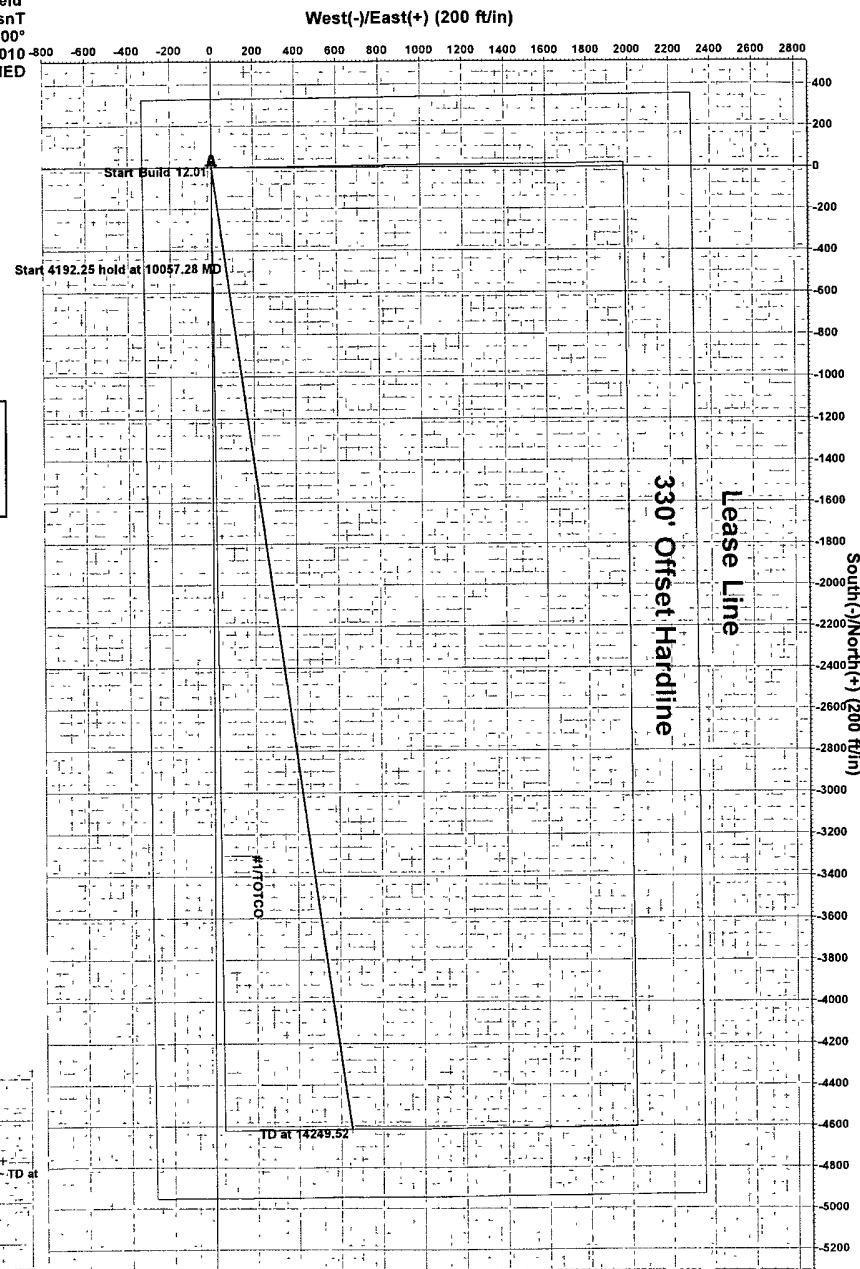
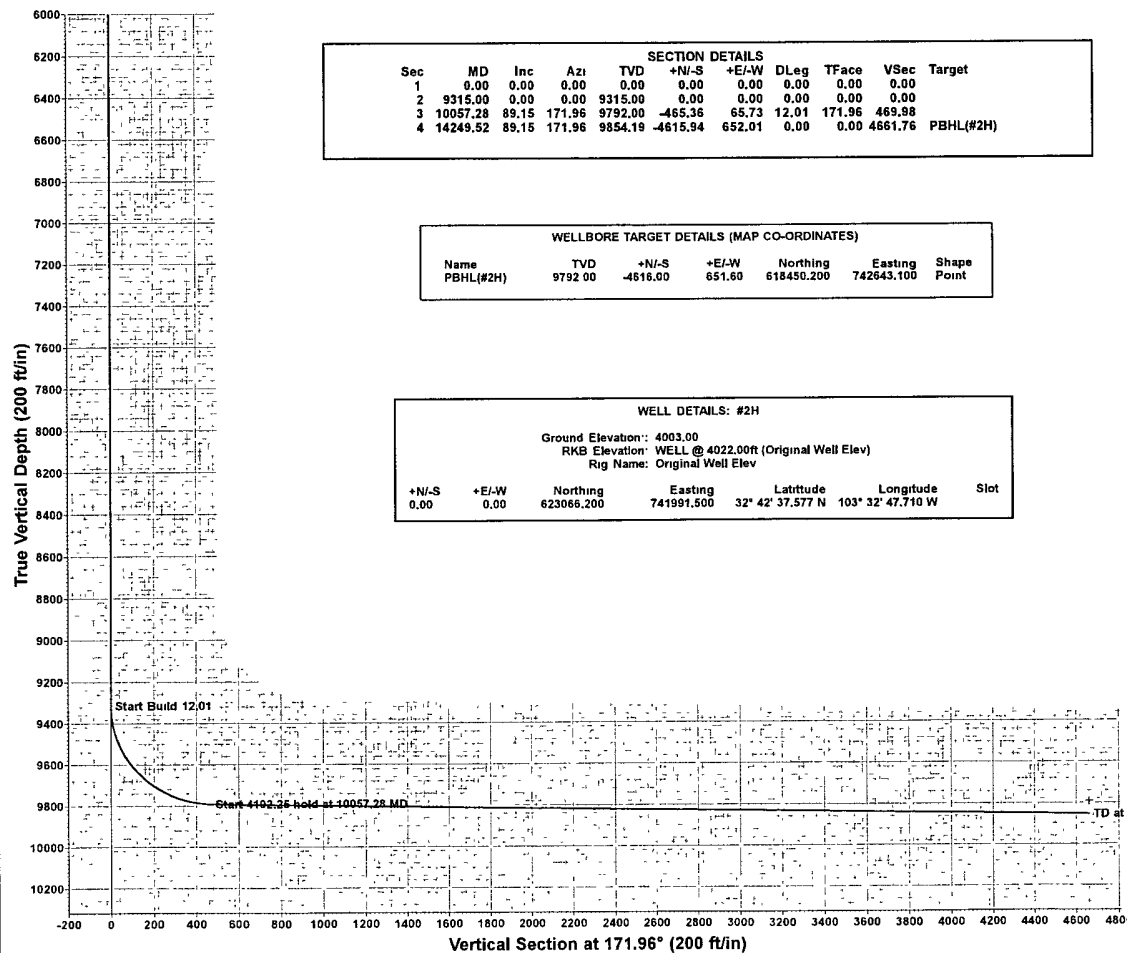
PATHFINDER

PROJECT DETAILS: Lea County
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
Local North: Grid

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	9315.00	0.00	0.00	9315.00	0.00	0.00	0.00	0.00	0.00
3	10057.28	89.15	171.96	9792.00	-465.36	65.73	12.01	171.96	469.98
4	14249.52	89.15	171.96	9854.19	-4615.94	652.01	0.00	0.00	4661.76
									PBHL(#2H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N-S	+E-W	Northing	Easting
PBHL(#2H)	9792.00	-4616.00	651.60	618450.200	742643.100
Shape Point					

WELL DETAILS: #2H						
Ground Elevation: 4003.00						
RKB Elevation: WELL @ 4022.00ft (Original Well Elev)						
Rig Name: Original Well Elev						
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	623066.200	741991.500	32° 42' 37.577 N	103° 32' 47.710 W	



Plan Plan #1 (#2H/OH)
Created By: Nate Bingham Date 11/14, July 12 2010