

Scientific Drilling Planning Report

Company: Altura Energy Ltd.			Date: 5/28/98		Time: 15:44:12		Page: 1	
Field: North Hobbs Unit			Co-ordinate(N/E) Reference:		Site: Lea County New Mexico, True North			
Site: Lea County New Mexico			Vertical (TVD) Reference:		SITE 0.0 above Mean Sea Level			
Well: North Hobbs Unit #33-545			Section (VS) Reference:		Site (0.0E,0.0N,92.0Azi)			
Wellpath: OH Original hole			Plan:		Plan #1			

Field: North Hobbs Unit		Local Coordinate Reference:		Site Centre	
		Location of Field Centre:		N/A	
		Field Centre Map Easting:		m	
		Field Centre Map Northing:		m	
Map Projection & Zone: US State Plane Coordinate System 1927 Texas, Central Zone		Direction of Local North:		True	
Ellipsoid: Clarke - 1866		Local Vertical Reference:		Wellpath Datum	
Field Datum: Mean Sea Level		Geomagnetic Model:		IGRF95	

Site: Lea County New Mexico					
Site Centre:		m E		Latitude	
		m N		Longitude	
Site Water Depth: 0.0 ft					
Magnetic Declination: 0.00 deg					
Grid Convergence: 0.00 deg					
Measured Depths Referenced To: SITE 0.0 ft above Mean Sea Level					

Well: North Hobbs Unit #33-545					
Originating From:		0.0 ft +N/-S		Map Easting : 0.00 m	
		0.0 ft +E/-W		Map Northing: 0.00 m	

Wellpath: OH Original hole					
Origin of Vertical Section: Site Centre		0.0 ft +N/-S			
		0.0 ft +E/-W			
Direction of Vertical Section:		92.05 deg			

Plan: Plan #1		Date Composed: 4/9/98	
		Version: 1	
Principal: Yes		Locked: No	

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg	Target
0.0	0.00	92.05	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1850.0	0.00	92.05	1850.0	0.0	0.0	0.00	0.00	0.00	0.00	
2653.9	18.09	92.05	2640.6	-4.5	125.7	2.25	2.25	0.00	0.00	
4504.7	18.09	92.05	4400.0	-25.0	700.0	0.00	0.00	0.00	0.00	BH Target

Section 1 : Straight MD Part 1 Hold										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
0.0	0.00	92.05	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	92.05	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	92.05	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
300.0	0.00	92.05	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
400.0	0.00	92.05	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
500.0	0.00	92.05	500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	92.05	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
700.0	0.00	92.05	700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
800.0	0.00	92.05	800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
900.0	0.00	92.05	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1000.0	0.00	92.05	1000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1100.0	0.00	92.05	1100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1200.0	0.00	92.05	1200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00