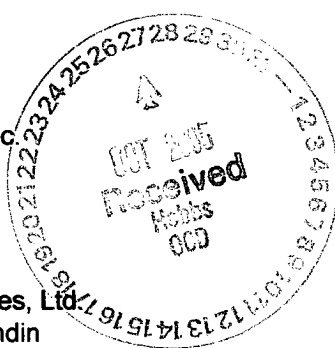




MWD SURVEY REPORT

MWD Services, Inc.

N-25-165-35e
1310/S @ 1350/10
30-025-37054



Survey End Date : March 18, 2005
Job Number : 05032
Operator : Chesapeake Operating, Inc.
Lease / Well : Albacore 25 #1
Location : Lea County, New Mexico
Field : Townsend
Contractor / Rig : Patterson UTI 504
Directional Company : Black Viper Energy Services, Ltd.
MWD Field Rep. : Wilbur Hattaway, Eric Blandin
Tie In Survey Reference : Multi-Shot Directional Services
Calculation Method : Minimum Curvature

Target +N / -S =
Target +E / -W =
Target TVD =
Magnetic Declination +E / -W = 8.31°
Grid Convergence +E / -W = 0.50°
Total Correction +E / -W = 8.31°
North Reference = True
RKB Height = 19.50'
Ground Level Elevation =
Vertical Section Azimuth = 0.00°

Comments :

Survey #0 = Tie In Survey
Survey #11 = Straight Line Projected Survey To Bit Depth

Srv. No.	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (deg/100 ')
							+N / -S (ft)	+E / -W (ft)	Distance (ft)	Azimuth (deg)	
0	11694.00'	2.25°	245.99°		11691.51'	34.99'	34.99'	-135.96'	140.39'	284.43°	
1	11724.00'	2.60°	233.40°	30'	11721.48'	34.34'	34.34'	-137.04'	141.28'	284.07°	2.12°
2	11788.00'	2.20°	220.20°	64'	11785.43'	32.54'	32.54'	-139.00'	142.76'	283.18°	1.06°
3	11826.00'	1.50°	217.60°	38'	11823.41'	31.59'	31.59'	-139.78'	143.30'	282.73°	1.85°
4	11851.00'	1.30°	214.60°	25'	11848.40'	31.10'	31.10'	-140.14'	143.55'	282.51°	0.85°
5	11915.00'	1.00°	175.90°	64'	11912.39'	29.94'	29.94'	-140.51'	143.66'	282.03°	1.27°
6	11979.00'	1.10°	141.30°	64'	11976.38'	28.91'	28.91'	-140.09'	143.04'	281.66°	0.99°
7	12041.00'	1.50°	96.60°	62'	12038.36'	28.35'	28.35'	-138.91'	141.77'	281.53°	1.70°
8	12105.00'	2.00°	111.10°	64'	12102.33'	27.85'	27.85'	-137.03'	139.83'	281.49°	1.04°
9	12169.00'	1.90°	114.80°	64'	12166.30'	27.00'	27.00'	-135.03'	137.70'	281.31°	0.25°
10	12233.00'	1.80°	128.60°	64'	12230.26'	25.93'	25.93'	-133.28'	135.78'	281.01°	0.71°
11	12320.00'	1.80°	128.60°	87'	12317.22'	24.23'	24.23'	-131.14'	133.36'	280.47°	0.00°