

SPERRY-SUN DRILLING SERVICES

CERTIFIED SURVEY WORK SHEET

OPERATOR:	Bonneville Fuels Corp.
WELL:	Federal 1, Avalon #3
FIELD:	
RIG:	Nabors #398
LEGALS:	Sec. 1 - T21S - R26E
COUNTY:	Eddy
STATE:	New Mexico
CAL. METHOD:	Minimum Curvature
MAG. DECL. APPLIED:	9.1°
VERTICAL SEC. DIR. :	231.275°

SSDS Job Number :	CA-MJ-10008
Start Date of Job :	01/18/2001
End Date of Job :	02/02/2001
Lead Directional Driller:	Larry Sledge
Other SSDS DD's :	Bill Haines
SSDS MWD Engineers :	Charlie Brister
	Kevin Hoshall

	Main Hole		1st Side Track		2nd Side Track		3rd Side Track		4th Side Track	
		Tie On		Tie On		Tie On		Tie On		Tie On
Well Head	0.00									
Surface Casing	0.00									
KOP	1800.00									
First Survey Depth	1822.00	MWD								
Last Survey Depth	6368.00	MWD								
First Survey Depth		SS								
Last Survey Depth		SS								
Bit Extrapolation to TD		T.D.								

Print Name :	Print Name :
Sign Name :	Sign Name :
Print Name :	Print Name :
Sign Name :	Sign Name :

Tie On	Tie On to Surface Casing (Assumed Vertical), Tie On to existing MWD Survey (prior drilled hole)
MWD	Sperry Sun Drilling Services (SSDS) Measurement While Drilling (MWD) Survey's
ESS	Sperry Sun Drilling Services (SSDS) Electronic Survey System (ESS) Survey's
Gyro	Gyro Survey's ; Provided by third party vendor, or by Sperry Sun Drilling Services (SSDS)
SS	Single Shot (SS) Survey's ; Provided by Sperry Sun Drilling Services (SSDS) or third party vendor.

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