



Nevis Energy Services, Inc.

23 August 2004

State of New Mexico
Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Re: Mallon Oil Company
Jicarilla 458-5#2
Rio Arriba Co., NM
Job #204-226
API No. 300-39-25781



To whom it May Concern:

Enclosed please find the Directional Survey data and Lease Plat for the above referenced well to be filed with your group.

Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Jeff Arenas	#2	3,700	6,587	15 Aug 04	22 Aug 04	MWD

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Sincerely,

Matthew K. Brown
Operations Coordinator

Surface : 1850/S 790/W
Enter ~~Point~~ Lateral : 1729/S 770/W
End Lateral : 857/S 1893/E

NEVIS ENERGY SERVICES INC. SURVEY DATA CERTIFICATION



NEVIS JOB NUMBER **204-226** OPERATOR **BLACK HILLS E & P**

WELL NAME **JICARILLA 458-5 # 2** COUNTY & STATE **Rio Arriba, New Mexico**

API WELL NUMBER **300-39-25781** VERT. SECT. DIRECTION **107.26**

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
3,700 ft	3,967.5 ft	2.07	180.7	-117	-20.2	GYRO DATA

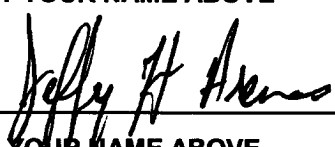
FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
15-Aug-04	3,785 ft	16.5	99.4

SURVEY INSTRUMENT TYPE
Nevis MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
22-Aug-04	6,542 ft	91.7	112.3

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
22-Aug-04	6,587 ft	91.7	112.3

JEFF ARENAS
PRINT YOUR NAME ABOVE


SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR GRID CONVERGENCE	
TOTAL CORRECTION USED	10.39°

8/22/2004
TODAY'S DATE

MWD SUPERVISOR 1 **JEFF ARENAS** DIRECTIONAL DRILLER 1 **RHETT HERBERT**
MWD SUPERVISOR 2 **PAUL O'RIELLY** DIRECTIONAL DRILLER 2 **DEREK COLLINS**



Nevis Energy Services, Inc.

DIRECTIONAL SURVEY CERTIFICATION

RE: Mallon Oil Company (Operator)

Jicarilla 458-5 #2 (Well Name & No.)

Section 5 Twp. 30 N Range 03 W

Well File No. 300-39-25781

I, Matthew K. Brown, having personal knowledge of all the facts, hereby certify that the

attached directional surveys for the well run from measured depth of

3,700 feet to a measured depth of 6,587 feet,

respectively, are true and correct as determined from all available records.

Matthew K. Brown
Signature

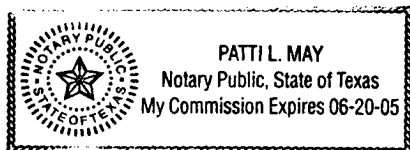
Operations Coord.
Title

Nevis Energy Services, Inc
Company

State of Texas
County of Harris

On this 23 day of August, 2004, before me personally appeared

Matthew K. Brown to me known as the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.



Patti L. May
Notary Public

06/20/05
My Commission Expires