

GAVILAN - HOWARD #1
NW¼ Sec. 23, 25N-2W
Rio Arriba County, New Mexico

Mesa Grande Resources, Inc.
1200 Philtower Building
Tulsa, Oklahoma 74103

DEVIATION TOOL MEASUREMENTS

MAILED
OCT 10 7 10 84
OIL CON. DIV.
DIST. 3

A-1 BIT & TOOL COMPANY
P. O. BOX 26292 OKLAHOMA CITY, OKLA. 73126

Model A  7°

Mesa Grande Resources Co. Date 10-10-83
Well 1 Gavilan Howard Depth 228
Location Rio Arriba Degrees _____
By _____

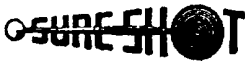
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Model A  7°

MESA GRANDE RES. Co. Date 10-12
Well #1 Depth 2002
Location CAVILAN HOWARD Degrees 10
By _____

Oct. 10, 1983: 228' 3/4°

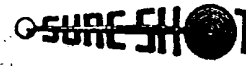
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Model A  7°

Mesa Grande Resources Co. Date 10/11/83
Well #1 Depth 444
Location _____ Degrees 3/4
By Ray

Oct. 11, 1983: 444' 3/4°

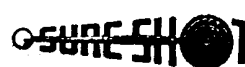
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Model A  7°

MESA GRANDE Co. Date 10/12/83
Well CAVILAN HOWARD Depth 2254
Location #1 Degrees 10
By ERIC

Oct. 12, 1983: 2254' 1°

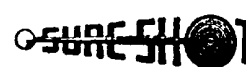
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Model A  7°

GAVILAN HOWARD Co. Date 10-11
Well Mesa Grande Resources Depth 1369
Location _____ Degrees 1°
By J. Anderson

Oct. 11, 1983: 1,369' 1°

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Model A  7°

MESA GRANDE Co. Date 10-13
Well CAVILAN HOWARD Depth 2529
Location #1 Degrees 3/4°
By J. Anderson (WIRELINE)

Oct. 13, 1983: 2529' 3/4°

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Model A  7°

MESA GRANDE Co. Date 10-12
Well CAVILAN HOWARD Depth 1618
Location #1 Degrees 1°
By J. Anderson

Oct. 12, 1983: 1618' 1°

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Model A  7°

Mesa Grande Resources Co. Date 10/13
Well CAVILAN HOWARD #1 Depth 3042
Location _____ Degrees 3/4
By Ray

Oct. 13, 1983: 3042' 3/4°

Cavilan - Howard #1

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Model A  7°

MESA GRANDE Co. Date 10-14
Well CAVILAN HOWARD Depth 3626
Location #1 Degrees 10
By A. Williams (Dropped)
ON TRIP

Oct. 14, 1983: 3626' 1°

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Model A  7°

Mesa Grande Co. Date 10-18
Well Cavilan Howard Depth 5091
Location #1 Degrees 7 1/2
By A. Williams (Dropped)
ON TRIP

Oct. 18, 1983: 5091' 3/4 °

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Model A  7°

MESA GRANDE RESERVE Co. Date 10/14/83
Well CAVILAN HOWARD Depth 4025
Location #1 Degrees 3/4 °
By ERIC

Oct. 14, 1983: 4025' 3/4 °

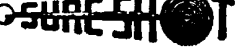
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Model A  7°

Mesa Grande Co. Date 10-19
Well Cavilan Howard Depth 5373
Location #1 Degrees 10
By C. Martinez Dropped

Oct. 19, 1983: 5373' 1 °

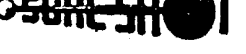
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Model A  7°

Mesa Grande Reserve Co. Date 10-16-83
Well Cavilan Howard #1 Depth 4557
Location #1 Degrees 1/4
By Rajan

Oct. 16, 1983: 4557' 1/4 °

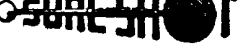
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Model A  7°

Mesa Grande Res. Co. Date 10/20/83
Well Cavilan Howard #1 Depth 5881
Location #1 Degrees 3/4
By Rajan

Oct. 20, 1983: 5881' 3/4 °

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Model A  7°

Mesa Grande Co. Date 10-17
Well Cavilan Howard Depth 4844
Location #1 Degrees 10
By A. Williams DROPPED

Oct. 17, 1983: 4844' 1°

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Model A  7°

Mesa Grande Reserve Co. Date 10/21/83
Well Cavilan Howard #1 Depth 6188
Location #1 Degrees 3/4
By Rajan

Oct. 21, 1983: 6188' 3/4 °

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Gavilan - Howard # 1

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Model A **SURESHOT** 7°

MESA GRANDE Co. Date 10-24-83
Well #1 Depth 6814
Location GAVILAN HOWARD Degrees 3/4
By MARTIN

Oct. 24, 1983: 6814' 3/4°

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Model A **SURESHOT** 7°

MESA GRANDE RESERVE Co. Date 10-28-83
Well #1 Depth 7749
Location GAVILAN HOWARD Degrees 1°
By Eric Martin

Oct. 28, 1983: 7749' 1°

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Model A **SURESHOT** 7°

MESA GRANDE RES. Co. Date 10-25-83
Well GAVILAN HOWARD Depth 7315
Location #1 Degrees 3/4°
By Eric Martin

Oct. 25, 1983: 7315' 3/4°

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Model A **SURESHOT** 7°

MESA GRANDE RESERVE Co. Date 10-29-83
Well GAVILAN HOWARD Depth 8020
Location #1 Degrees 2°
By FOUR CORNERS Rig #2

Oct. 29, 1983: 8020' 2°

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Model A **SURESHOT** 7°

MESA GRANDE RESERVE Co. Date 10-26-83
Well GAVILAN Depth 7406
Location HOWARD #1 Degrees 1°
By ERIC MARTIN

Oct. 26, 1983: 7406' 1°

VERIFICATION

STATE OF OKLAHOMA)
) ss
COUNTY OF TULSA)

E. Alex Phillips, first being duly sworn deposes and says that he is the President of Mesa Grande Resources, Inc., in that as such, he is authorized to make this verification, to-wit:

That he has read the foregoing Deviation Tool Measurement Report and knows the contents therein to be true to his best knowledge.

E. Alex Phillips
E. Alex Phillips

I hereby certify under my official seal that I am authorized as a Notary Public to administer oath under the laws of the State of Oklahoma and that the foregoing was subscribed and sworn to before me this

26 day of April, 1984.

Carol A. Smith
Notary Public
County of Tulsa
State of Oklahoma.

My commission expires:

March 25, 1985
(Seal)

VERIFICATION

STATE OF OKLAHOMA)
) ss
COUNTY OF TULSA)

E. Alex Phillips, first being duly sworn, deposes and says that he is President of Mesa Grande Resources, Inc., in that as such, he is authorized to make this verification, to-wit:

That he has read the foregoing Copy of the Deviation Tool Measurement Report and that it is the exact photocopy of the original Deviation Tool Measurement Report.

E. Alex Phillips
E. Alex Phillips

I hereby certify under my official seal that I am authorized as a Notary Public to administer oath under the laws of the State of Oklahoma and that the foregoing was subscribed and sworn to before me this

26 day of April, 1984.

Carol A. Smith
Notary Public
County of Tulsa
State of Oklahoma

My commission expires:

March 25, 1985