

Exhibit 5 - Area Geology

Case #13770

September 14, 2006 Hearing

**RE: Application of Benson-Montin-Greer Drilling Corp.
For Approval of a Pilot Project, Including an Exception
To Rules 4 and 7 of Special Rules and Regulations for
The Basin-Fruitland Coal Gas Pool, for the purpose of
Establishing a pilot program to determine commercial
Feasibility for Fruitland Coal Gas wells in Township 25
North, Range 2 West, N.M.P.M., Rio Arriba County,
New Mexico**

Fruitland Coal Non Standard Location
Exhibit #5A - PC Regional Prod/Struct
Section 34 - T25N - R2W
Rio Arriba County, New Mexico

POSTED WELL DATA

WELL - G_PICTUREDCLIFFS

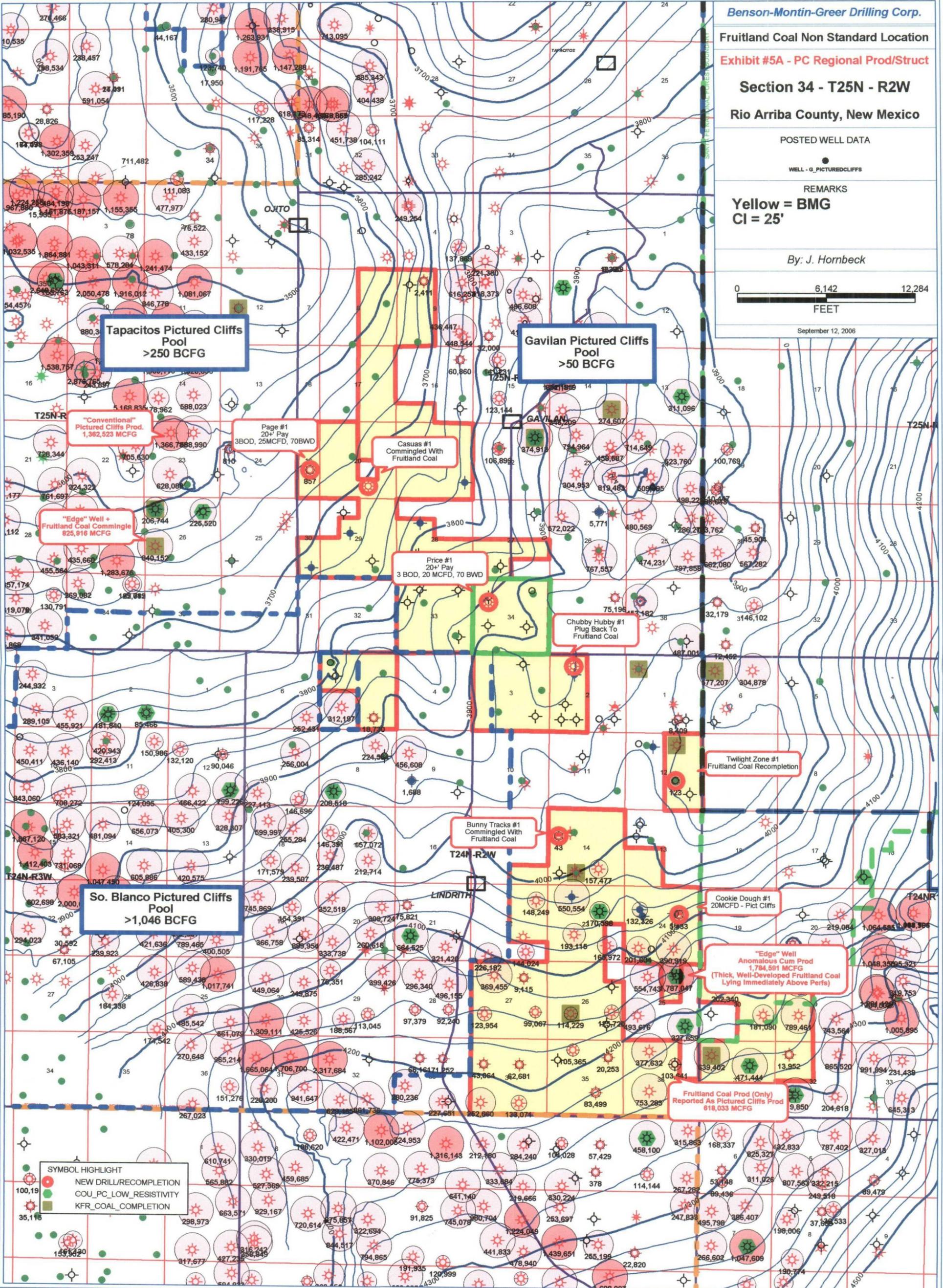
REMARKS

Yellow = BMG
CI = 25'

By: J. Hornbeck



September 12, 2006



Tapacitos Pictured Cliffs Pool
>250 BCFG

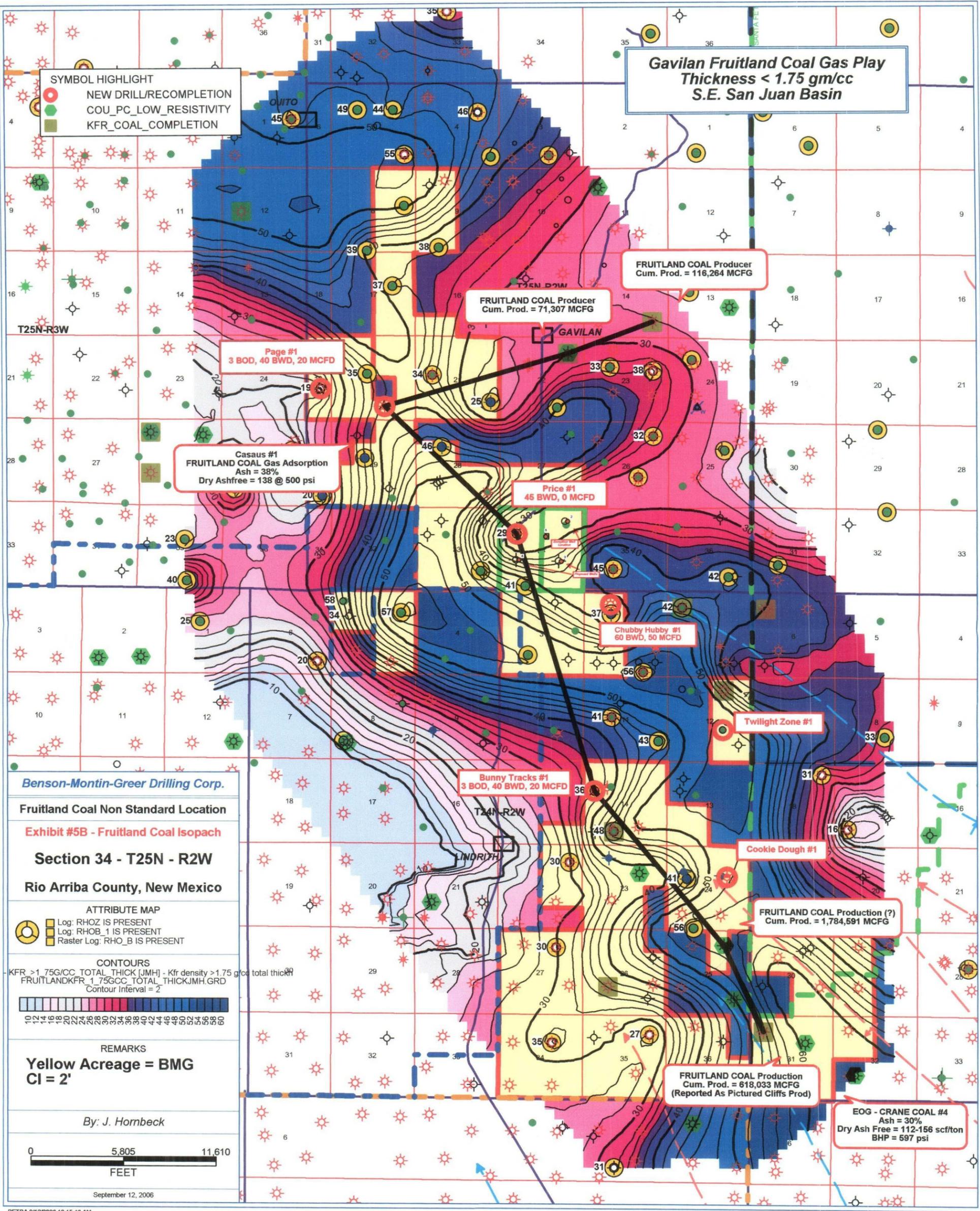
Gavilan Pictured Cliffs Pool
>50 BCFG

So. Blanco Pictured Cliffs Pool
>1,046 BCFG

"Edge" Well
Anomalous Cum Prod
1,784,591 MCFG
(Thick, Well-Developed Fruitland Coal
Lying Immediately Above Perfs)

Fruitland Coal Prod (Only)
Reported As Pictured Cliffs Prod
618,033 MCFG

SYMBOL HIGHLIGHT
NEW DRILL/RECOMPLETION
COU_PC_LOW_RESISTIVITY
KFR_COAL_COMPLETION



Benson-Montin-Greer Drilling Corp.

Fruitland Coal Non Standard Location

Exhibit #5B - Fruitland Coal Isopach

Section 34 - T25N - R2W

Rio Arriba County, New Mexico

ATTRIBUTE MAP
 ● Log: RHOZ IS PRESENT
 ● Log: RHOB_1 IS PRESENT
 ● Raster Log: RHO_B IS PRESENT

CONTOURS
 KFR > 1.75G/CC_TOTAL_THICK [JMHI] - Kfr density > 1.75 gm/cc total thick
 FRUITLANDKFR_1.75GCC_TOTAL_THICKJMHI.GRD
 Contour Interval = 2

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58

REMARKS
Yellow Acreage = BMG
CI = 2'

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0 5,805 11,610
FEET

September 12, 2006

North

Southeast

NMCO KOONSZED 1
3003000700000
1/16/1982

MOUNTAIN STATES PETR HOWARD 2
3003000600000
1/16/1980

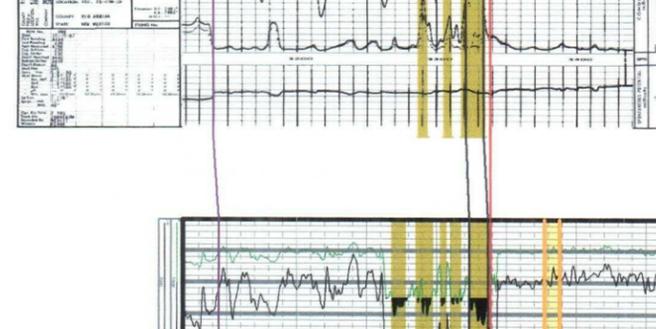
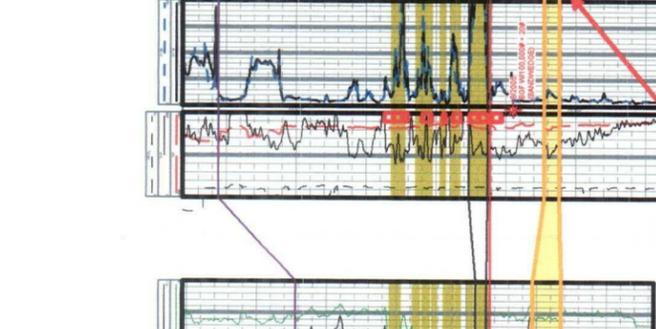
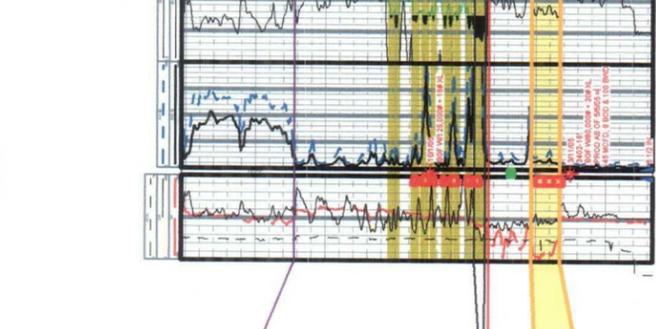
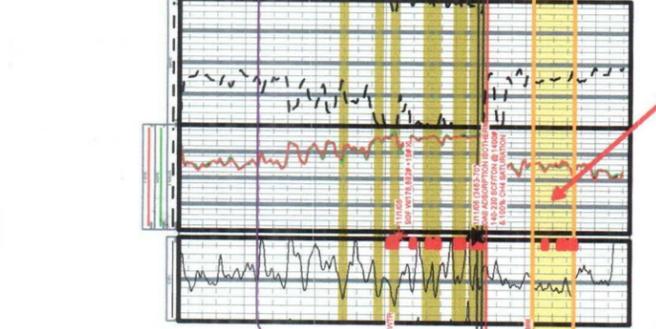
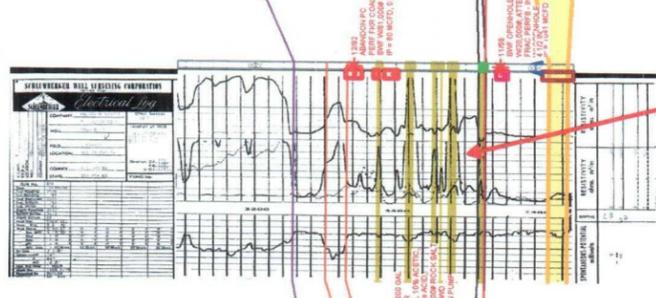
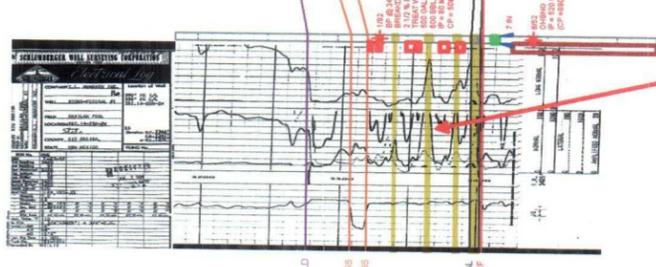
BMG CASAS 1
3003007910000
1/17/2006

BMG PRICE FED 1
3003002000000
2/24/2006

BMG BUNNY TRUCKS 1
3003002800000

SHELLY OIL COMPANY ANDERSON 1
3003000200000
12/16/1987

SHAR ALAN OIL CORP WERTZ FEDERAL 1
3003000200000
1/17/1982



Fruitland Coal
T_KFR_SS
B_KFR_SS

Fruitland Coal
T_BASAL_KFR_COAL
B_KFR_SS

Fruitland Coal Producer
116,264 MCFG

Fruitland Coal Producer
71,307 MCFG

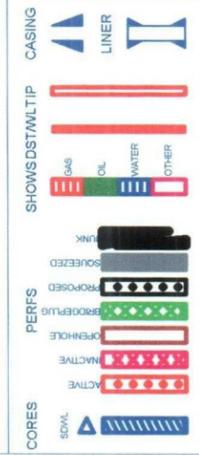
BMG Drilled & Completed
Fruitland Coal/Pictured Cliffs Tests

(Marginal) Pictured Cliffs &
(Likely) Fruitland Coal
1,784,591 MCFG

Fruitland Coal (Only)
Reported As Pictured Cliffs
618,033 MCFG

Fruitland Coal
Stratigraphic Cross Section

Benson-Montin-Greer Drilling Corp.
Fruitland Coal Non Standard Location
Exhibit #5D - Fruitland Coal X-Section
Section 34 - T25N - R2W
Rio Arriba County



By: J. Hornbeck
September 12, 2006 2:22 PM