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EXHIBIT: G2

CAUSE NO. 527

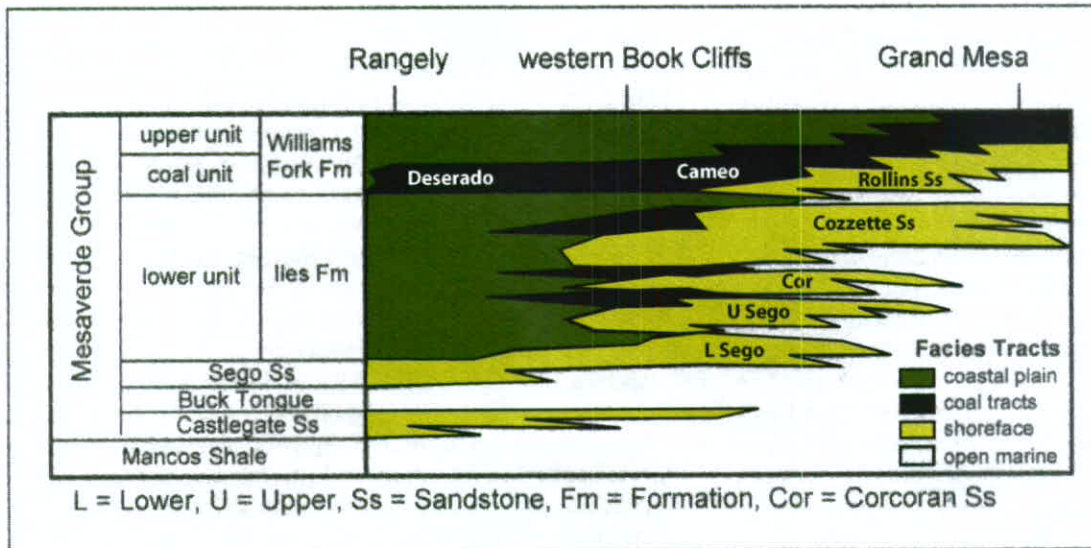
DOCKET NO. 0608-AW-12

**Piceance Basin, Sulphur Creek
Rio Blanco County, CO**

KEY

-  Rollins SS Structure
CI=500'
-  Rollins SS Penetrations
-  WOGC Spacing Application Area





Diagrammatic regional stratigraphic correlation chart for the Mesaverde Group, Piceance Basin.

Modified from Anderson, D.A., 2005, Architecture of crevasse splay and point-bar bodies of the nonmarine Iles Formation north of Rangely, Colorado: Implications for reservoir description, Mountain Geologist, 42:3 (July 2005), p 109-122.

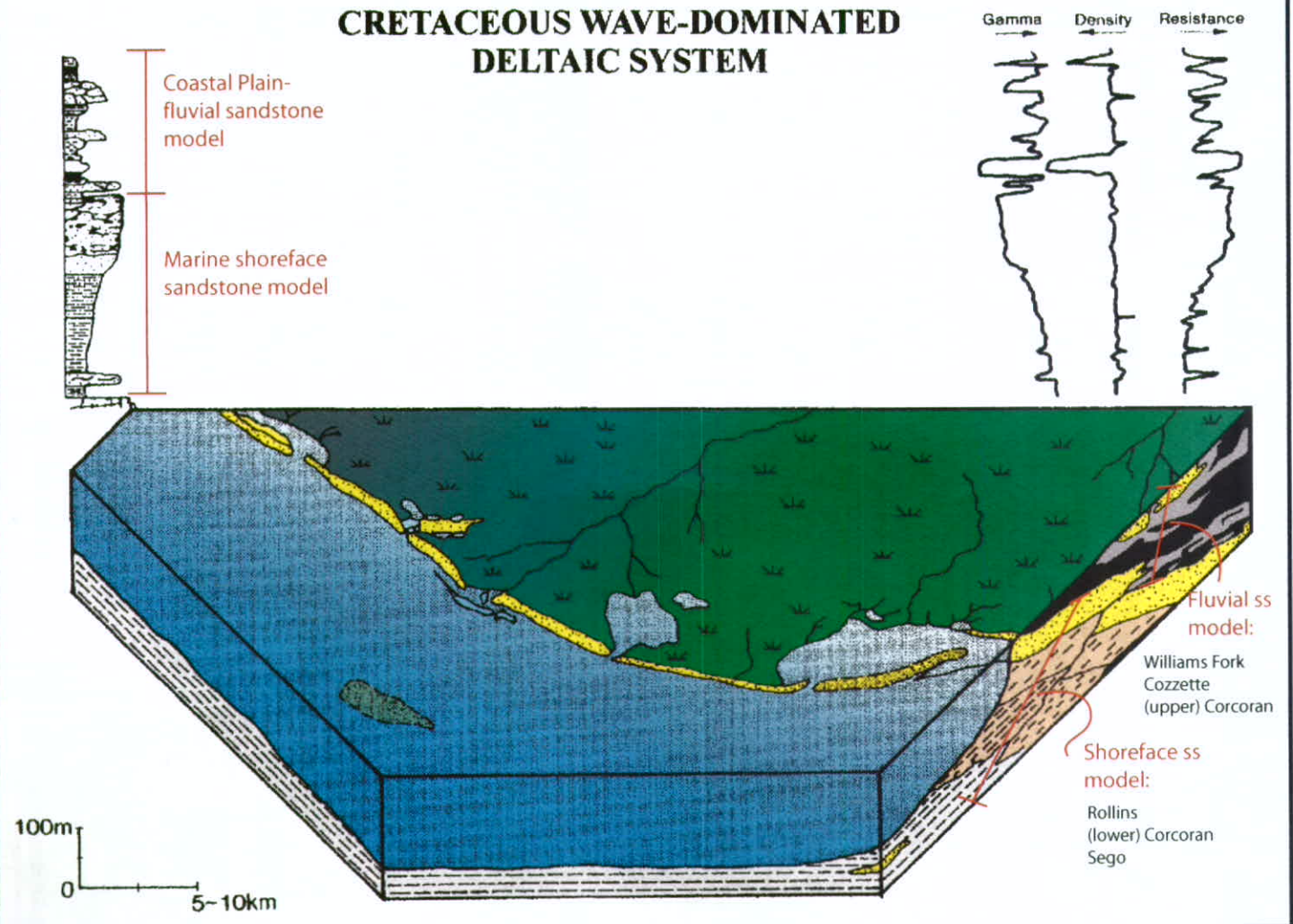


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EXHIBIT: G3
CAUSE NO. 527
DOCKET NO. 0608-AW-12

Northern Piceance Basin
Diagrammatic regional
strat column for the
Mesaverde Group

CRETACEOUS WAVE-DOMINATED DELTAIC SYSTEM



Depositional model for Cretaceous wave-dominated delta systems. An idealized vertical sequence is presented in the upper left, and idealized geophysical logs for this vertical sequence are shown in the upper right.

Modified from Horne, J.C., 2003, The influence of depositional environments on coal stratigraphy: Cretaceous foreland basin deposits, southwest Wyoming, PTTC Field Seminar, 213p.



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EXHIBIT: G4

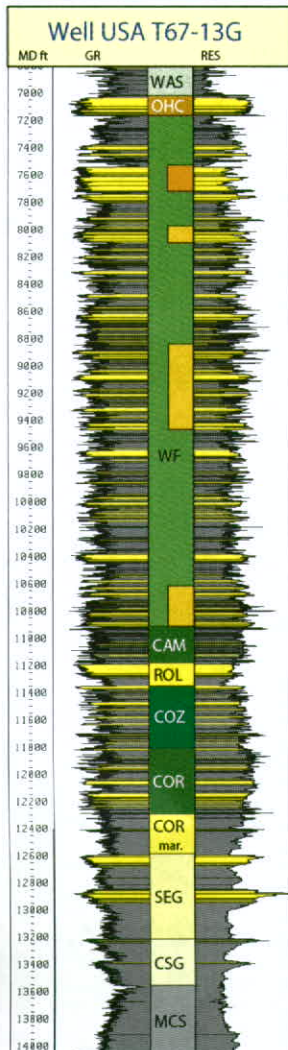
CAUSE NO. 527

DOCKET NO. 0608-AW-12

Northern Piceance Basin

Depositional model for
Cretaceous wave-dominated
deltaic systems

API: 051030843100
T2S R97W S13 SWSE



Type Section Northern Piceance Basin at Piceance Creek Anticline		Depositional Environment
Wasatch Formation	Eocene	Alluvial plain with meandering stream deposits
Ohio Creek	Paleocene	Proximal braid-plain deposits
Williams Fork Fm.		Proximal braid-plain deposits
Mesaverde Group (Upper Cretaceous - Lower Tertiary)		Alluvial plain with non- to semi-amalgamated distal, braided-stream deposits
Cameo		Coastal plain with meandering stream deposits and peat swamps (coals)
Rollins		Marine shoreface sands and offshore muds
Iles Fm.		Coastal plain with meandering stream deposits and peat swamps (coals)
Corcoran (marine)		Marine shoreface sands and offshore muds
Sego		Marine shoreface sands and offshore muds
Castle gate		Marine offshore muds
Mancos Shale		Marine offshore muds

Type log and generalized depositional environments for the Mesaverde Group.

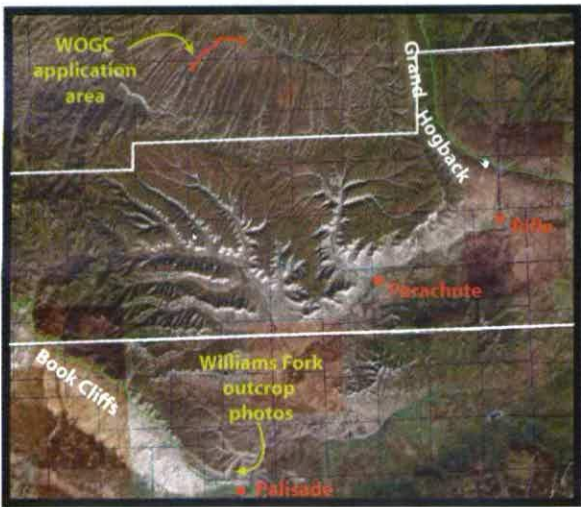
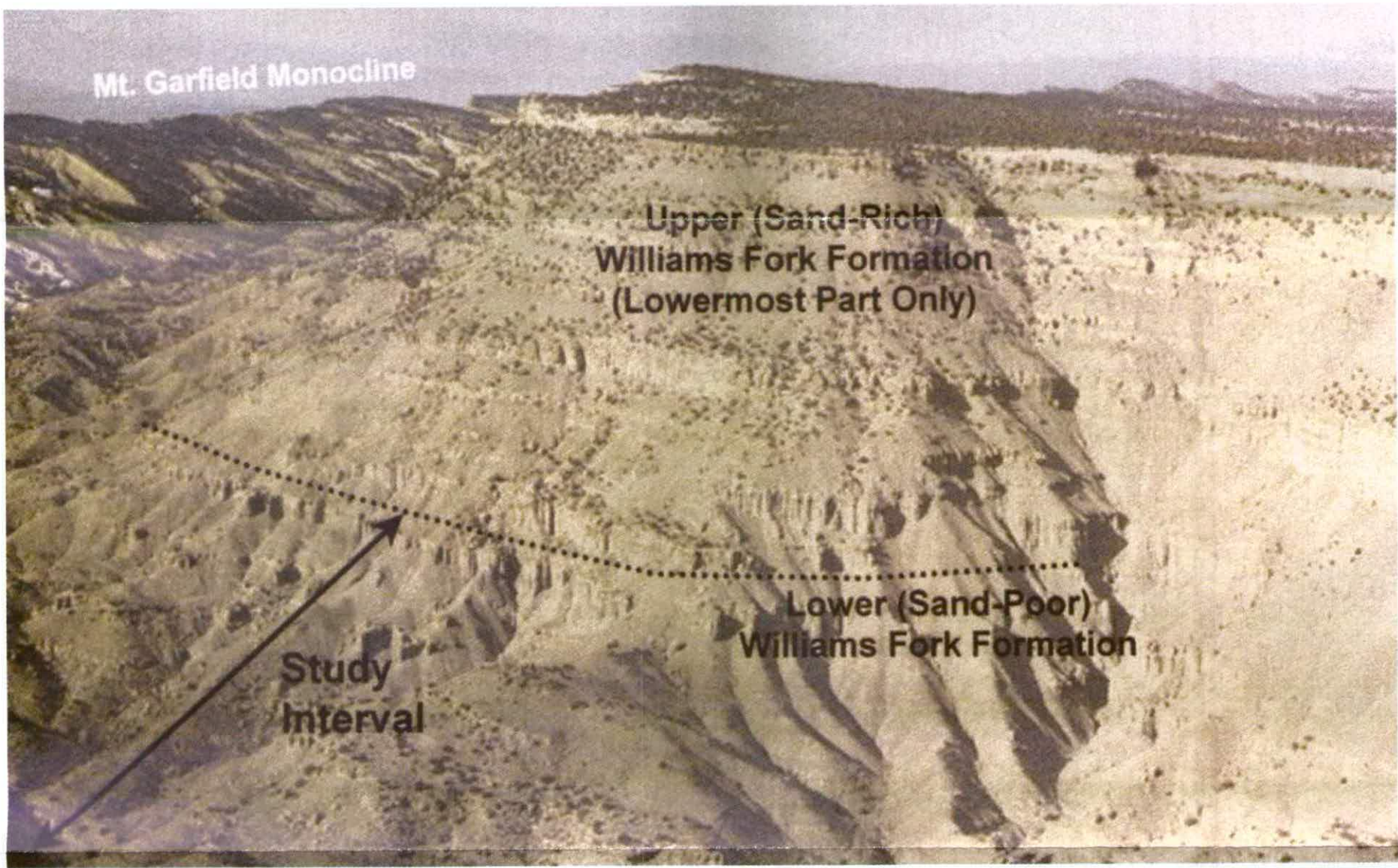
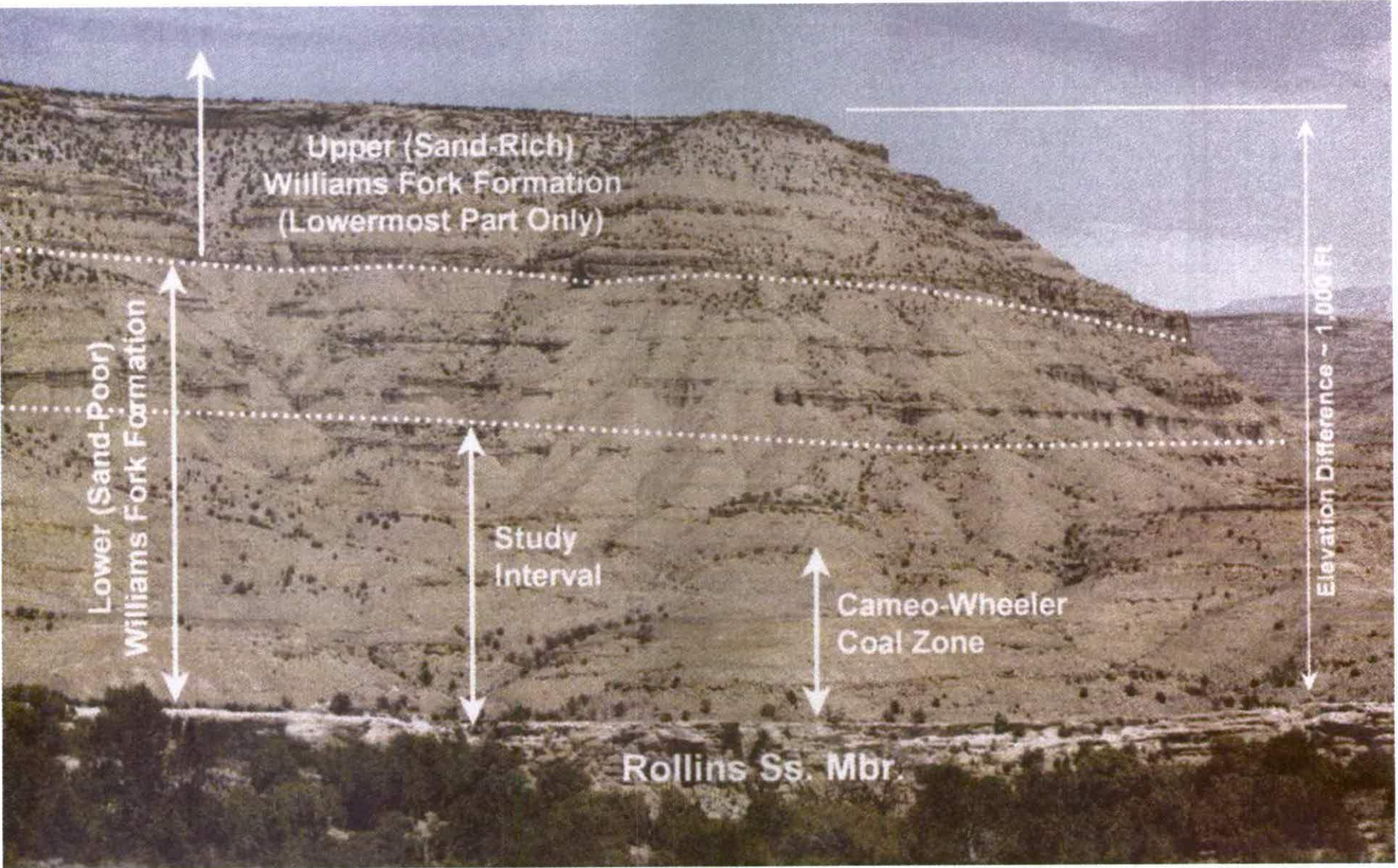
Modified from Patterson, P.E., K. Kronmueller, and T.D. Davies, 2003, Sequence stratigraphy of the Mesaverde Group and Ohio Creek Conglomerate, northern Piceance Basin, Colorado, in K.M. Peterson, T.M. Olson, and D.S. Anderson, eds., Piceance Basin 2003 Guidebook: RMAG, Denver, p. 115-128.



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EXHIBIT: G5
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Northern Piceance Basin
Generalized depositional environments for the Mesaverde Group.



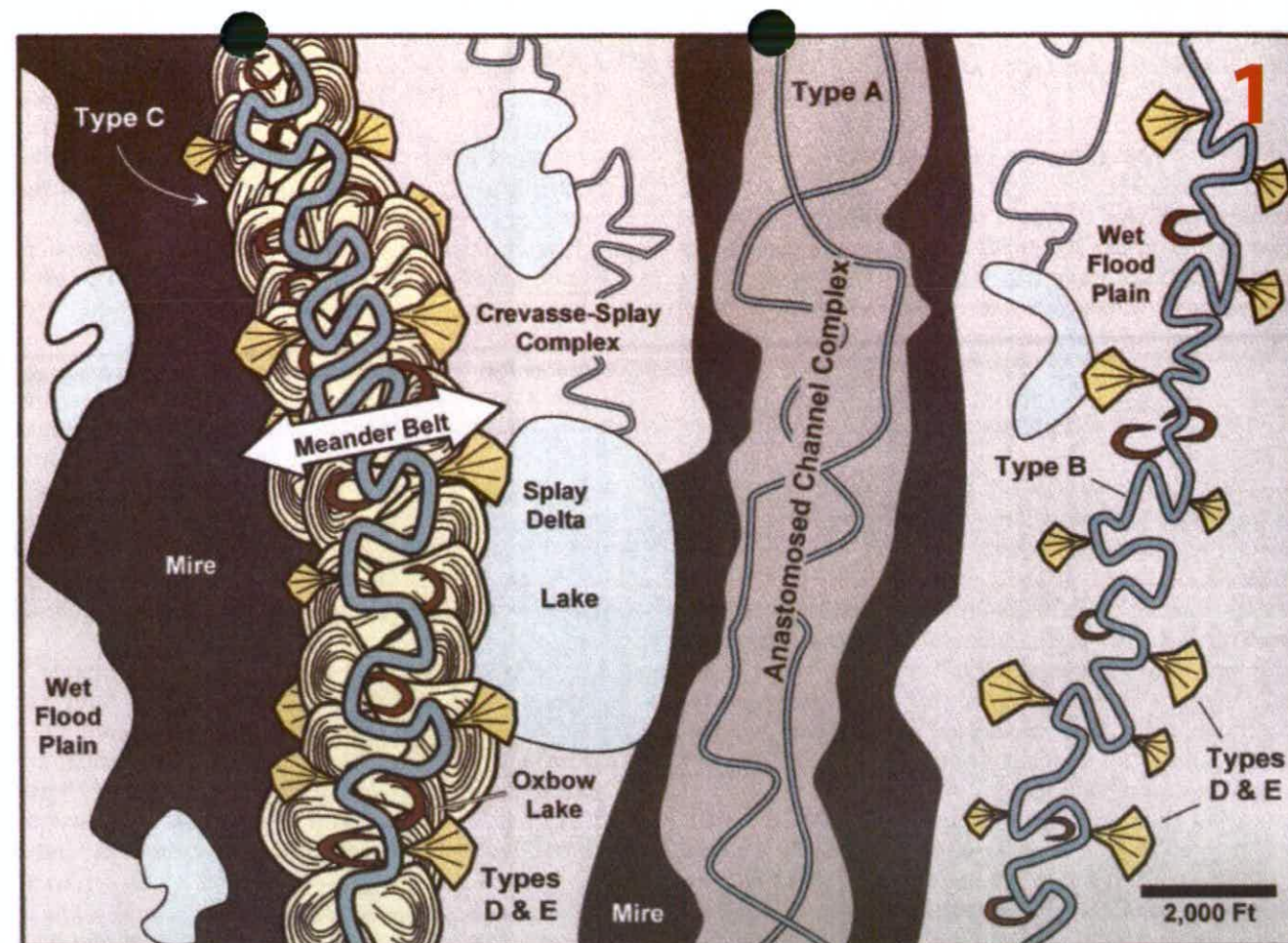
Photographs of the Williams Fork Formation at Coal Canyon near Cameo, Colorado. Upper photo shows the east-west leg of Coal Canyon, and the lower photo shows the north-south leg of the canyon.

From Cole, R.D. and S.P. Cumella, 2005, Sand-body architecture in the lower Williams Fork Formation (Upper Cretaceous), Coal Canyon, Colorado, with comparison to the Piceance Basin subsurface, *The Mountain Geologist*, v. 42:3, p. 85-107.

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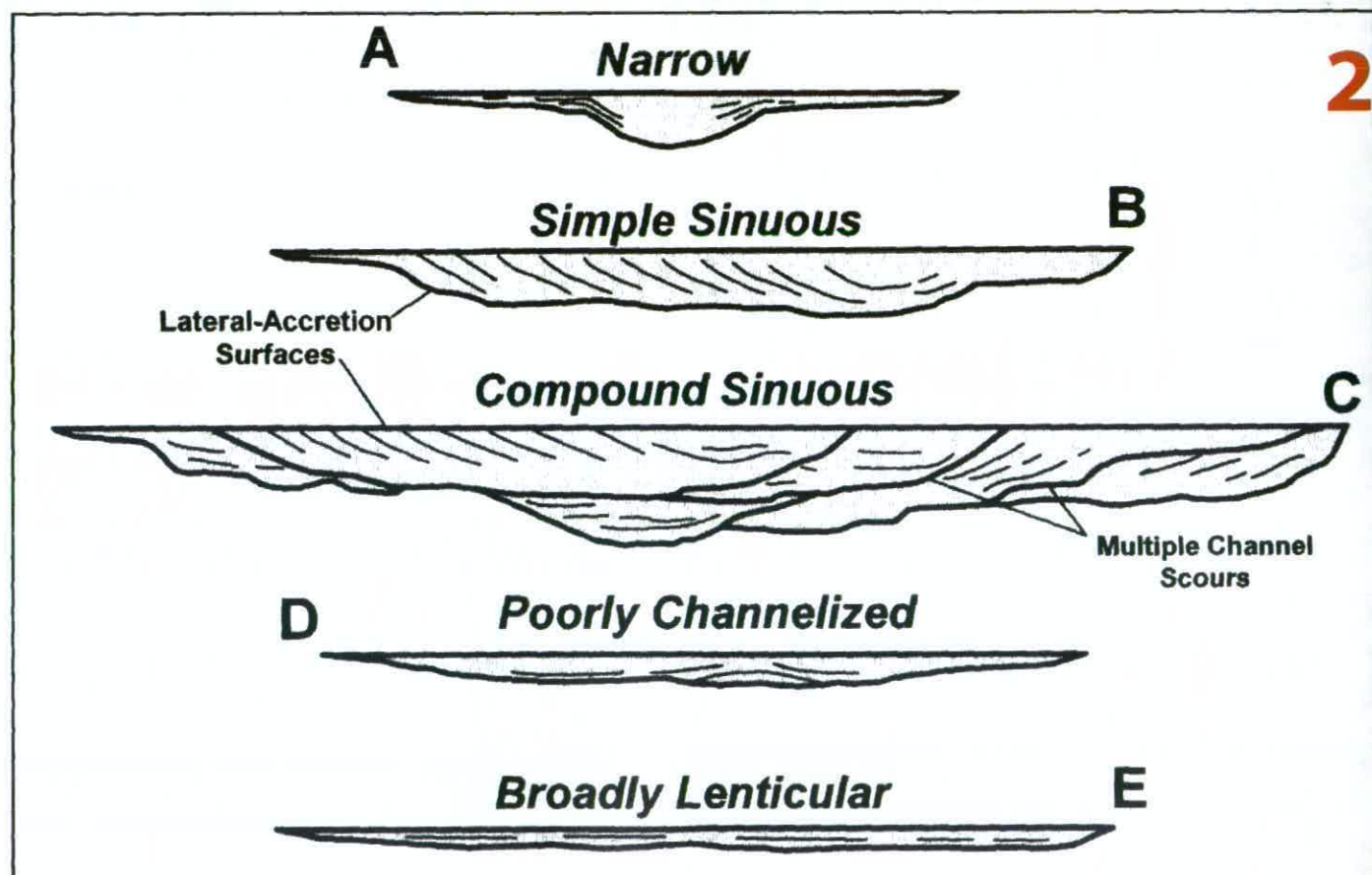
EXHIBIT: G6
CAUSE NO. 527
DOCKET NO. 0608-AW-12

Piceance Basin
Williams Fork Fm outcrop
@ Coal Canyon, Cameo, CO



	N	Minimum	Maximum	Mean	Median	Std. Dev.
Total Population						
Thickness (ft)	136	0.5	29.0	9.3	8.0	5.9
Apparent Width (ft)	136	40.1	2791.1	528.4	400.2	491.2
Width-Thickness Ratio	136	3.9	463.8	68.2	52.8	62.9
Type A Sandbodies						
Thickness (ft)	9	3.5	21.0	9.2	6.0	6.6
Apparent Width (ft)	9	46.4	290.5	98.5	81.0	74.0
Width-Thickness Ratio	9	3.9	14.5	11.8	12.6	3.3
Type B Sandbodies						
Thickness (ft)	30	4.1	18.0	8.8	7.7	3.5
Apparent Width (ft)	30	112.0	2316.3	505.1	400.2	450.3
Width-Thickness Ratio	30	16.4	227.1	61.3	41.3	50.0
Type C Sandbodies						
Thickness (ft)	55	4.5	29.0	13.8	13.2	5.1
Apparent Width (ft)	55	139.7	2791.1	814.8	674.3	545.3
Width-Thickness Ratio	55	9.1	158.6	61.4	53.3	35.9
Type D Sandbodies						
Thickness (ft)	14	2.5	9.1	5.4	5.4	1.9
Apparent Width (ft)	14	72.9	510.4	234.8	165.4	152.5
Width-Thickness Ratio	14	13.9	122.1	44.7	37.3	28.3
Type E Sandbodies						
Thickness (ft)	28	0.5	6.5	2.8	2.8	1.5
Apparent Width (ft)	28	40.1	843.3	275.7	247.4	201.9
Width-Thickness Ratio	28	21.7	463.8	119.0	92.8	100.0

3



2

1: Diagrammatic depositional model for the lower (sand-poor) Williams Fork Formation, as suggested by observations in Coal Canyon

2: Descriptive classification of fluvial sand bodies in the Williams Fork Formation

3: Statistical summary of sand-body dimensional data

Modified from Cole, R.D. and S.P. Cumella, 2005, Sand-body architecture in the lower Williams Fork Formation (Upper Cretaceous), Coal Canyon, Colorado, with comparison to the Piceance Basin subsurface, The Mountain Geologist, v. 42:3, p.85-107.



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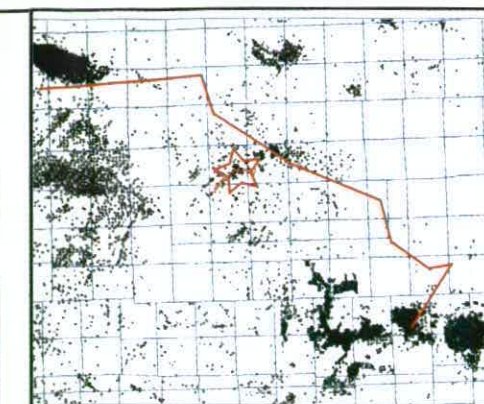
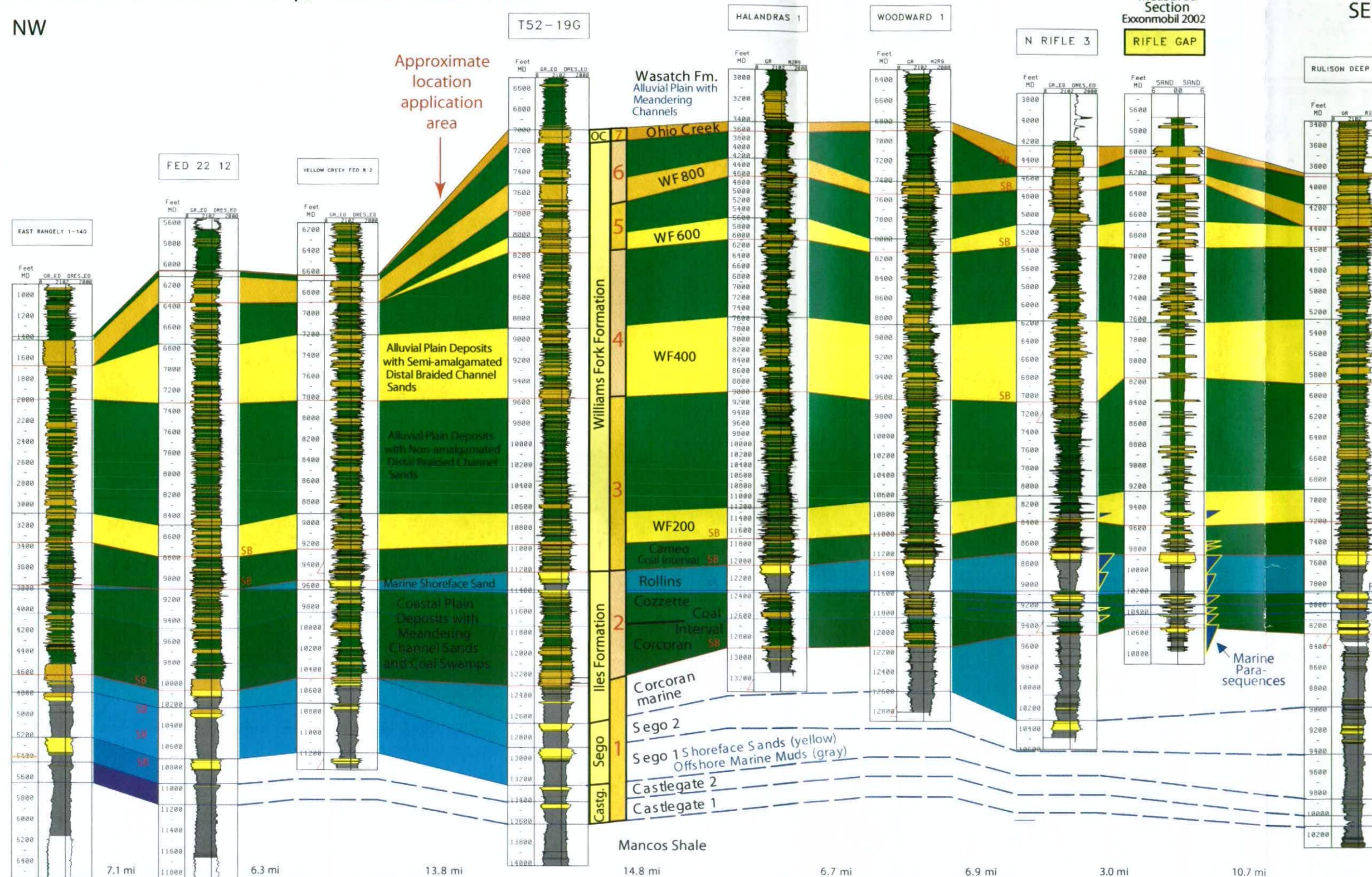
EXHIBIT: G7
CAUSE NO. 527
DOCKET NO. 0608-AW-12

Piceance Basin
Sand body architecture
of the lower Williams
Fork Formation

Cross Section Mesaverde Group, Northern Piceance Basin

NW

SE



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EXHIBIT: G8
CAUSE NO. 527
DOCKET NO. 0608-AW-12

Piceance Basin
Regional NW-SE
stratigraphic cross section
of the Mesaverde Group

Regional stratigraphic cross section (datum = base Rollins flooding surface) of the Mesaverde Group in the northern Piceance Basin. Section originates directly south of Rangely and continues southeast across the basin to Rifle Gap and then Rulison.

Modified from Patterson, P.E., K. Kronmueller, and T.D. Davies, 2003, Sequence stratigraphy of the Mesaverde Group and Ohio Creek Conglomerate, northern Piceance Basin, Colorado, in K.M. Peterson, T.M. Olson, and D.S. Anderson, eds., Piceance Basin 2003 Guidebook: RMAG, Denver, p. 115-128.

RIO BLANCO

GARFIELD

ILES DENSITY ORDERS

- ORDER 139-46
- ORDER 139-51
- ORDER 191-10
- ORDER 191-25

WILLIAMS 10-ACRE DENSITY ORDERS

- Order 510-14
- Orders 510-12, 479-14, 440-28
- Orders 510-9, 479-12, 440-25, 139-40
- Orders 510-8, 479-11, 440-23, 139-38, 495-03

- Orders 510-6, 479-9, 440-22, 139-37
- Order 510-7

ENCANA 10-ACRE DENSITY ORDERS

- Order 510-13
- Order 479-15

BILL BARRETT CORP 10-ACRE DENSITY ORDER

- Orders 191-8, 191-11

BILL BARRETT CORP SETBACK ORDER

- Order 191-9, Gibson Gulch Fed Unit, 100' setbacks at 10-acre boundary

PDC 10-ACRE DENSITY ORDER

- Order 510-11
- Order 510-18

ANTERO 10-ACRE DENSITY ORDER

- Orders 191-13 through 191-17 and 532-2
- 0602-SP-11

PRESCO 10-ACRE DENSITY ORDER

- Order 139-53

NOBLE 10-ACRE DENSITY ORDER

- Orders 139-45, 139-51

PETROGULF 10-ACRE DENSITY ORDER

- Order 139-47

OXY 10-ACRE DENSITY ORDER

- Order 510-15

- Areas with Williams Fork orders under 20-acre density spacing

- Areas with Williams Fork and/or Mesa Verde orders not under 10-acre or 20-acre density spacing

Whiting Oil and Gas Corporation
Exhibit E-1
Cause 527
Docket No. 0608-AW-12