

#139-84



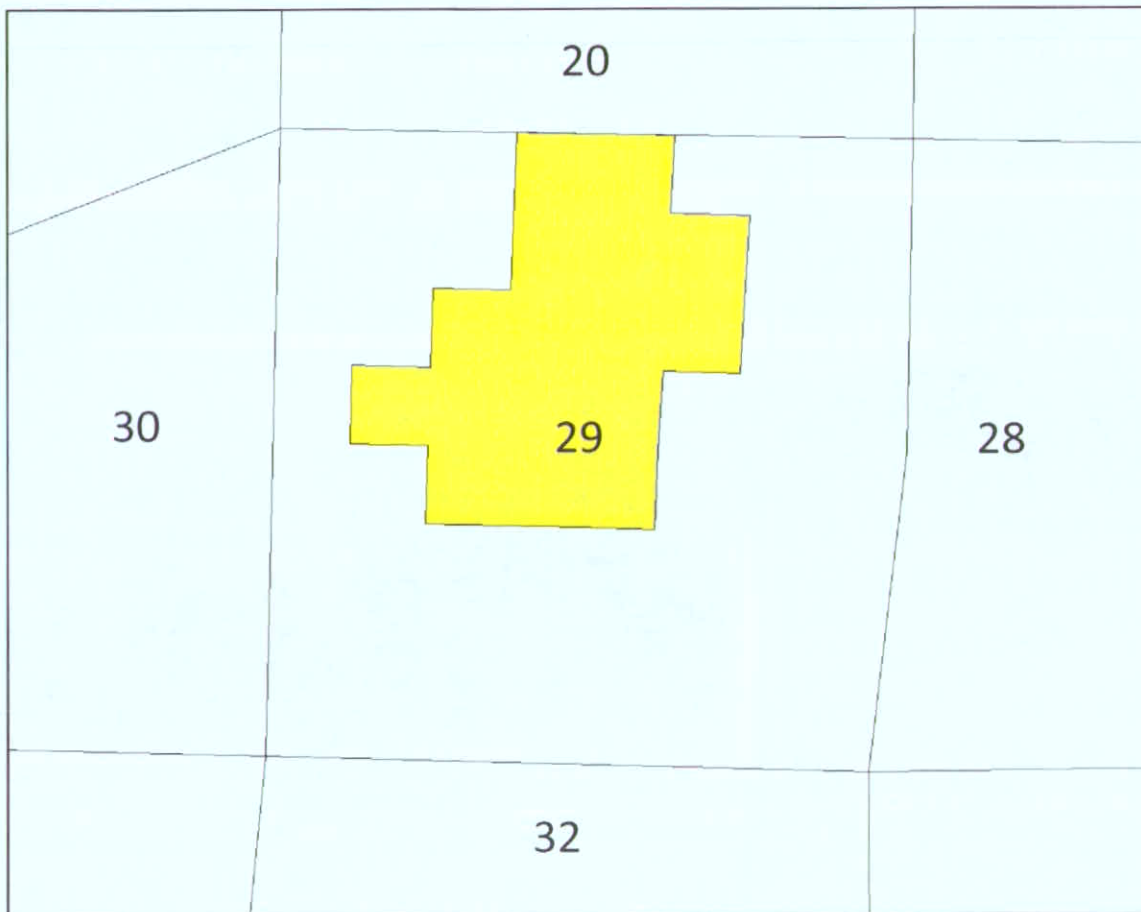
01983696

# Exhibit No. 1 Plat


RECEIVED


NOV 27 07

COGCC

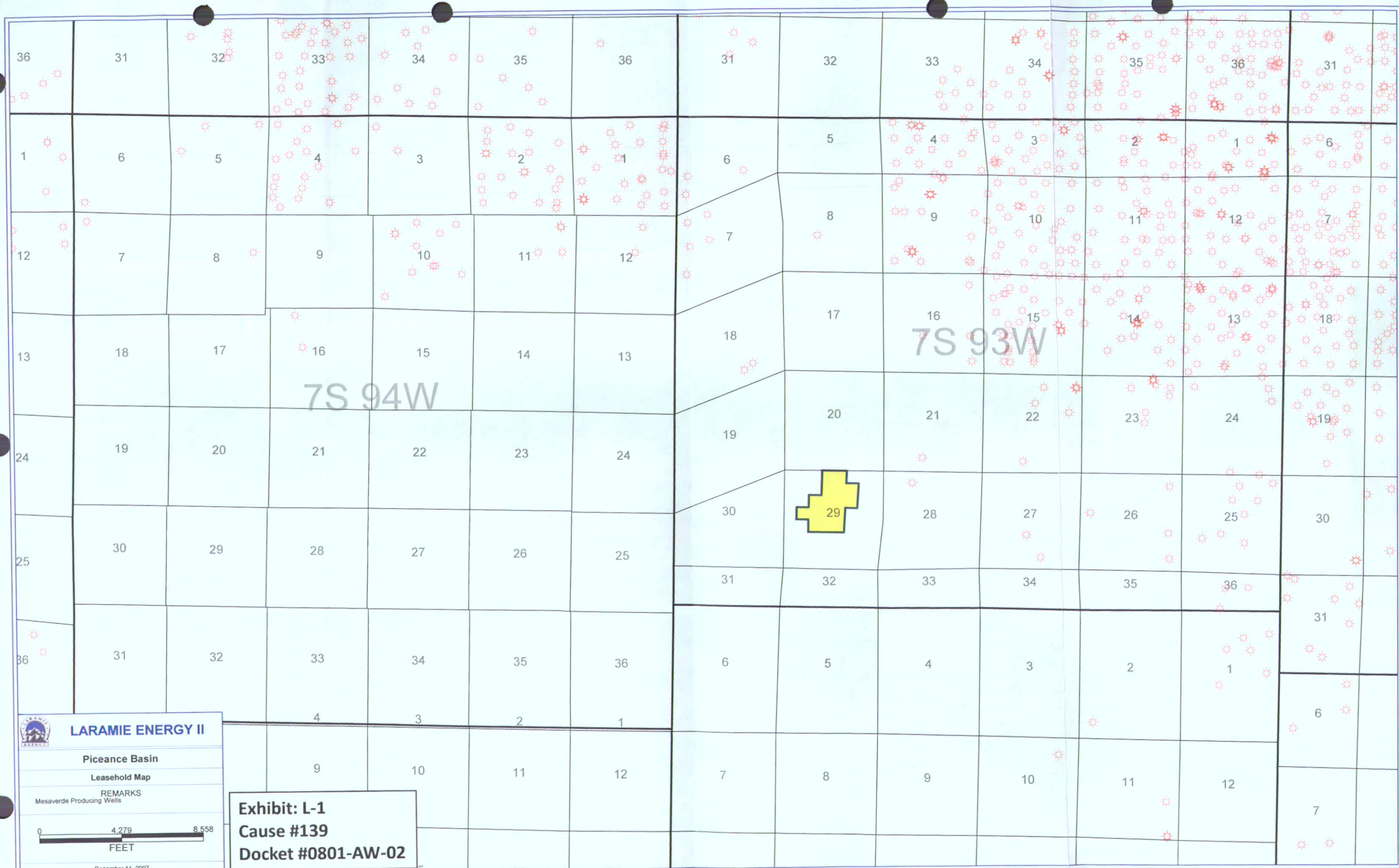


**LEGEND**

 Laramie Leasehold

 Lease Line

**Laramie Energy II, LLC**  
**Rullison Field Area**  
**Docket No.**  
**Cause No. 139 Well Density and Location**  
**Township 7 South, Range 93 West, 6<sup>th</sup> P.M.**  
**Section 29: Tract 64**  
**Williams Fork and Iles Formations**



# LARAMIE ENERGY II

Piceance Basin

Leasehold Map

REMARKS  
Mesaverde Producing Wells



December 11, 2007

**Exhibit: L-1**  
**Cause #139**  
**Docket #0801-AW-02**



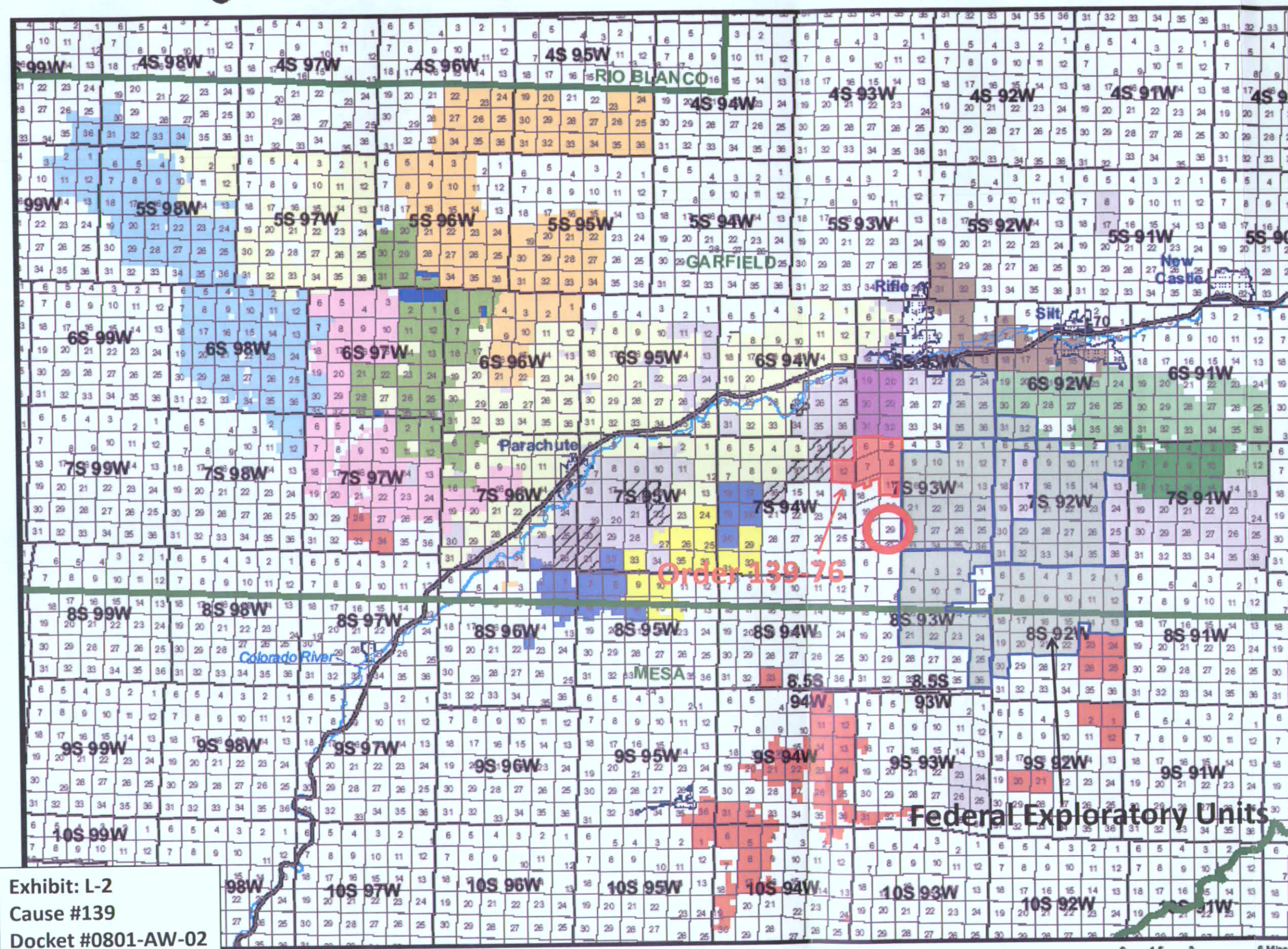


Exhibit: L-2  
Cause #139  
Docket #0801-AW-02

# Legend

## WILLIAMS 10-ACRE DENSITY ORDERS

- Order 510-14, 510-30, 510-31, 440-39
- Orders 510-12, 479-14, 440-28, 440-36
- 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
- Orders 510-17, 139-64
- Orders 510-20, 440-31, 139-60, 479-17, 495-5

## ENCANA 10-ACRE DENSITY ORDERS

- Orders 510-13, 479-15, 139-62

## BILL BARRETT CORP 10-ACRE DENSITY ORDERS

- Orders 191-8, 191-9, 191-10

## FDC 10-ACRE DENSITY ORDERS

- Orders 510-11, 510-18, 510-21

## LARIMIE 10-ACRE DENSITY ORDERS

- Orders 429-4, 166-23, 510-29, 166-24, 385-2, 529-1

## ANTERO 10-ACRE DENSITY ORDERS

- Orders 191-13 to 191-21, 191-24 to 191-27, 191-34, 523-2, 191-38, 191-40, 191-41, 191-42, 191-43

## NOBLE 10-ACRE DENSITY ORDERS

- Orders 139-45, 139-51, 139-65
- Orders 510-19, 139-59, 139-61, 510-32

## OXY 10-ACRE DENSITY ORDERS

- Orders 510-15, 510-26

## PRESCO 10-ACRE DENSITY ORDERS

- Order 139-53

## PETROGULF 10-ACRE DENSITY ORDERS

- Order 139-47

## CHEVRON 10-ACRE DENSITY ORDERS

- Orders 510-24, 510-27

## BERRY 10-ACRE DENSITY ORDERS

- Order 510-25

## DOLPHIN 10-ACRE DENSITY ORDERS

- Order 191-33

## WINDSOR 10-ACRE DENSITY ORDERS

- Order 191-32, 191-35

- Areas with Williams Fork Orders under 20-Acre Density Spacing

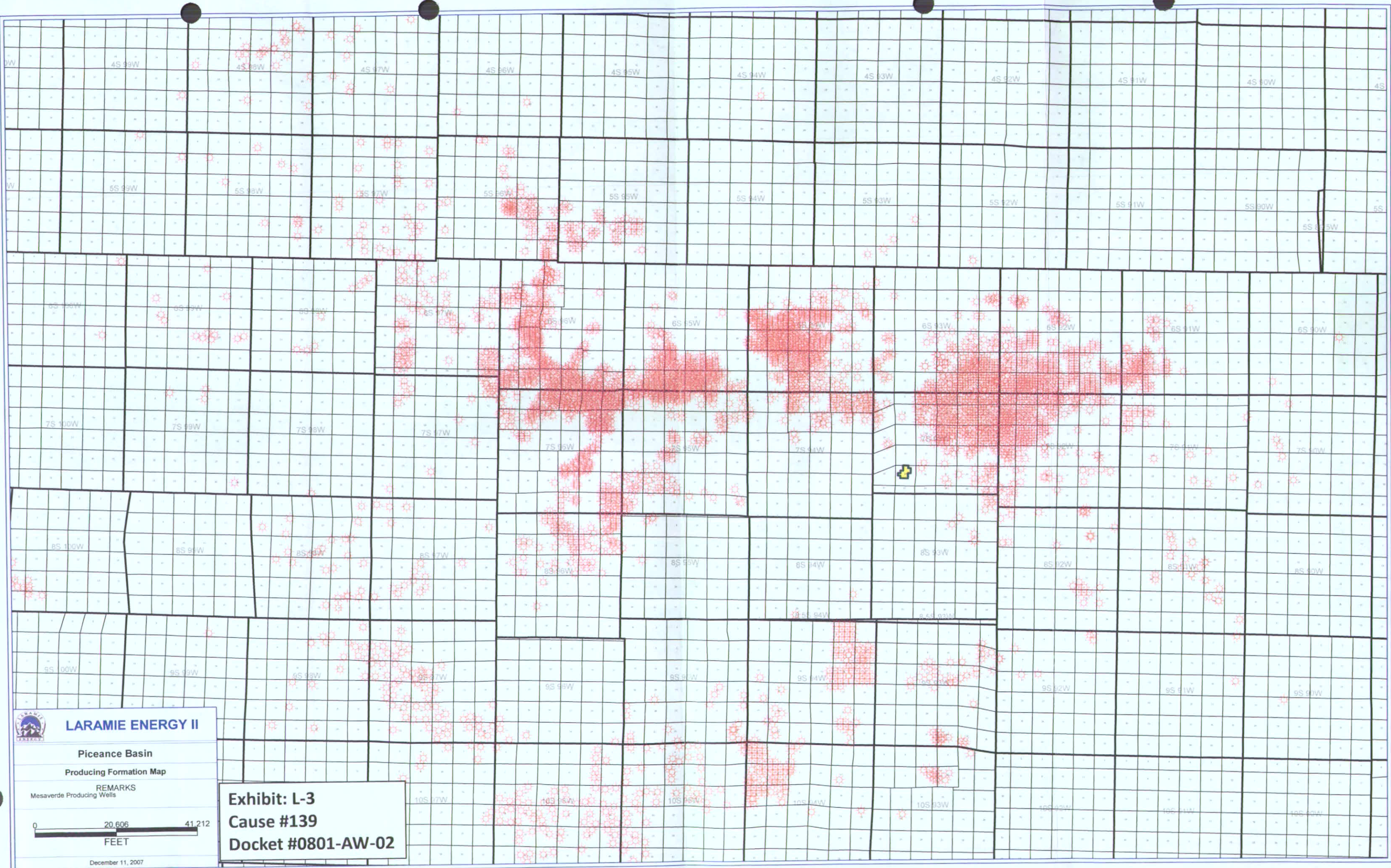
- Areas with Williams Fork and/or Mesa Verde Orders not under 10-Acre or 20-Acre Density Spacing

Note: Spaced lands are mapped to the nearest quarter quarter section or lot.



## DOWNHOLE 10-ACRE DENSITY LANDS, GARFIELD & MESA COUNTIES, COLORADO (As of January 8, 2007)





## LARAMIE ENERGY II

Piceance Basin

Producing Formation Map

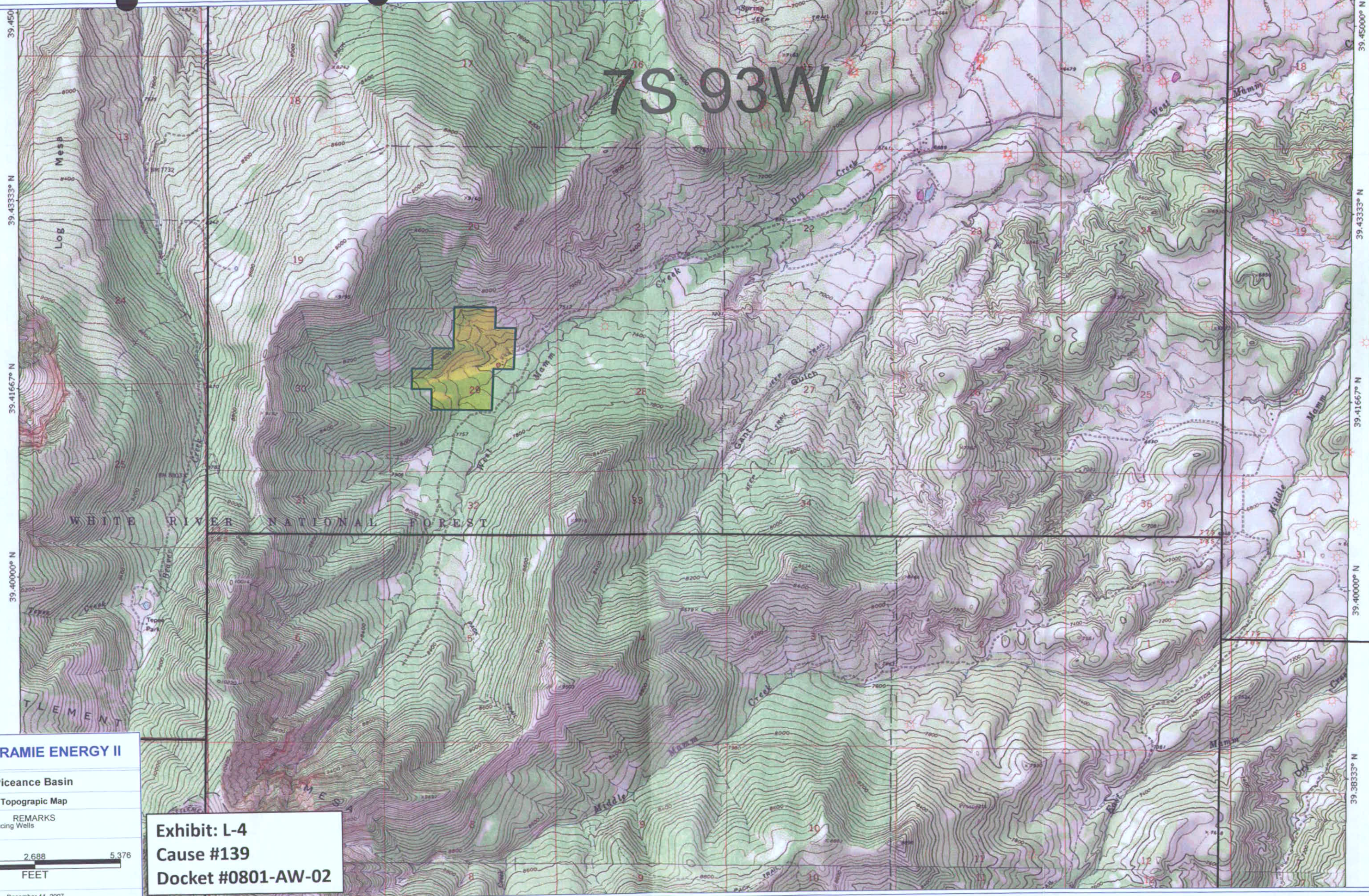
REMARKS  
Mesaverde Producing Wells

0 20,606 41,212  
FEET

December 11, 2007

**Exhibit: L-3**  
**Cause #139**  
**Docket #0801-AW-02**





## LARAMIE ENERGY II

Piceance Basin

Topographic Map

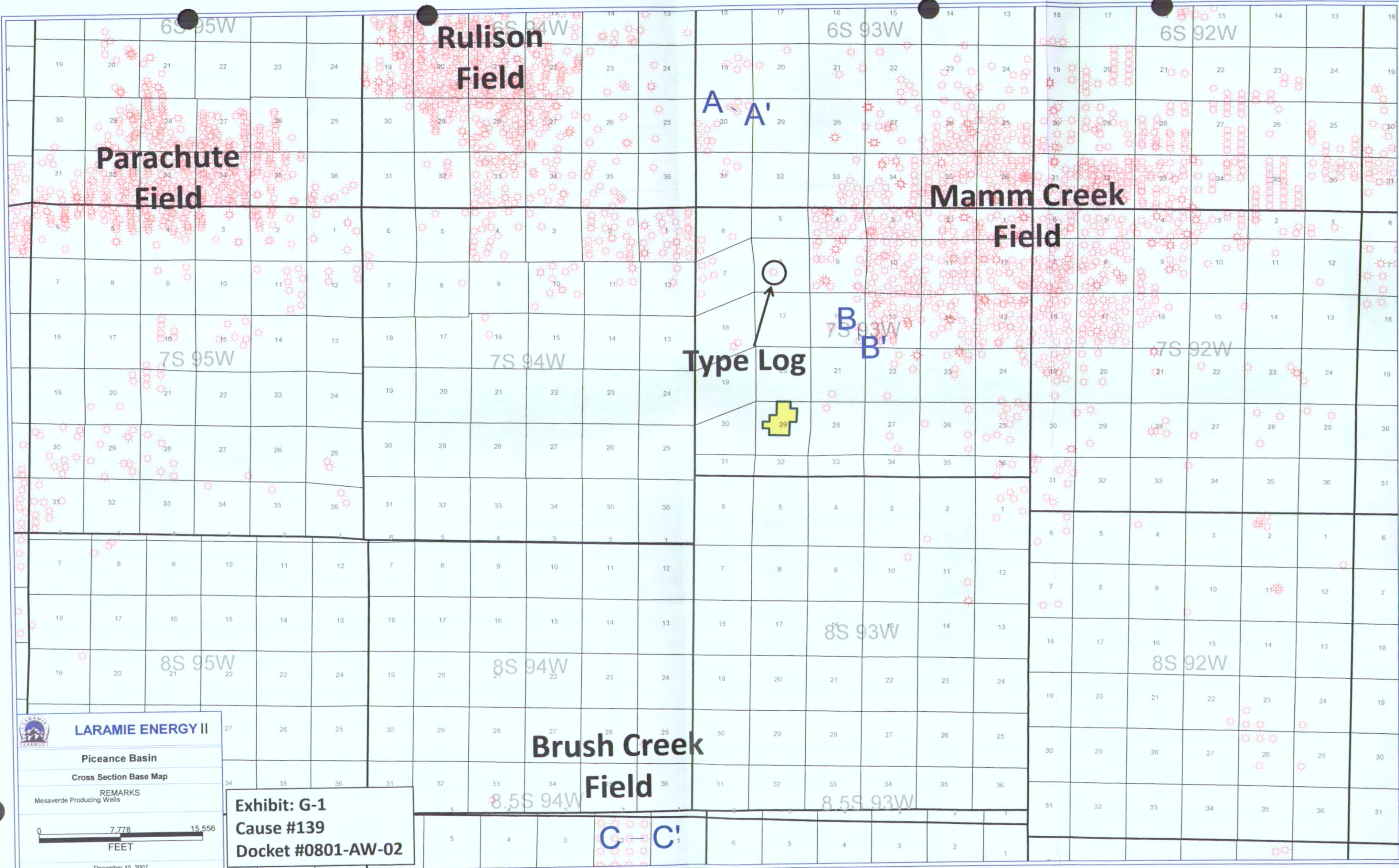
REMARKS  
Mesaverde Producing Wells

0 2,688 5,376  
FEET

December 11, 2007

Exhibit: L-4  
Cause #139  
Docket #0801-AW-02





**LARAMIE ENERGY II**

**Piceance Basin**

**Cross Section Base Map**

REMARKS  
Mesaverde Producing Wells

0 7,778 15,556  
FEET

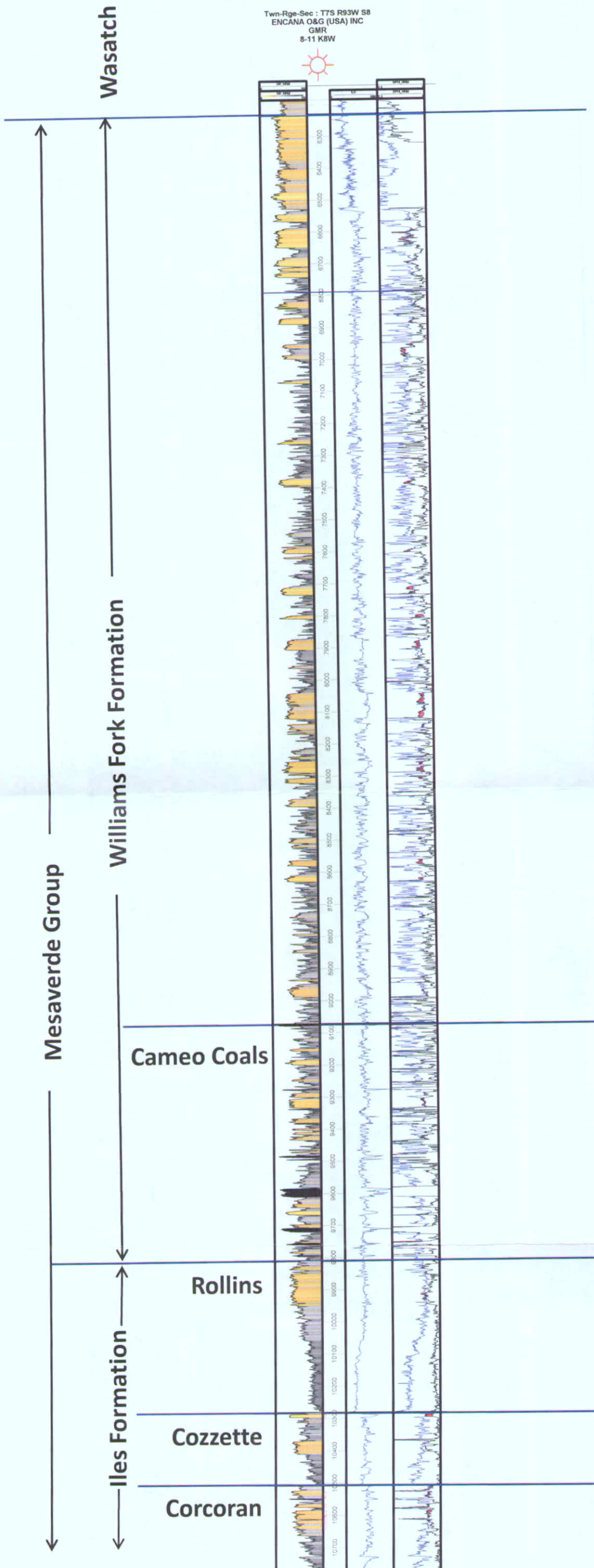
December 10, 2007

**Exhibit: G-1**  
**Cause #139**  
**Docket #0801-AW-02**



# Type Log

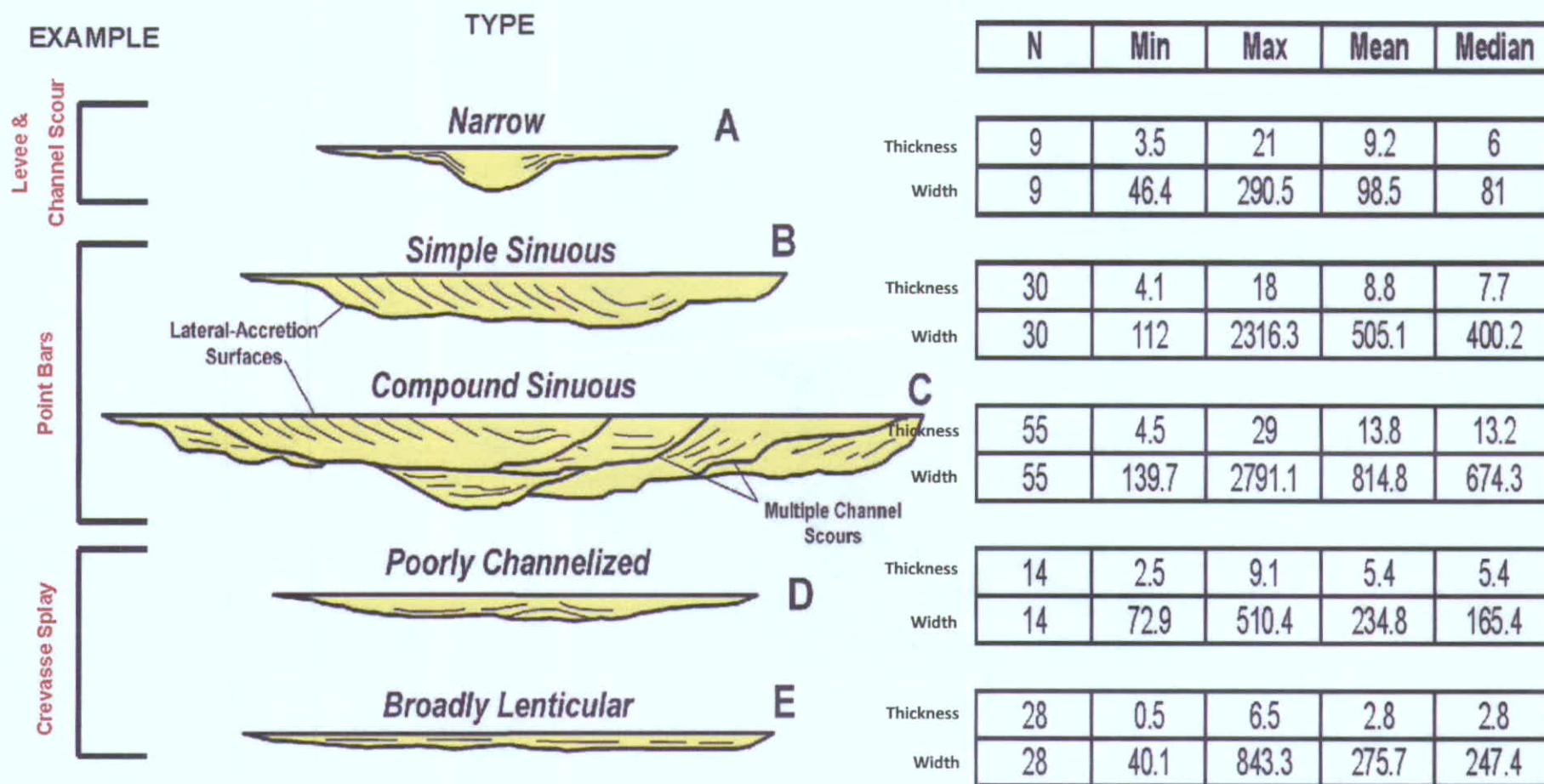
Twn-Rge-Sec : T7S R93W S8  
ENCANA O&G (USA) INC  
GMR  
8-11 KBW





# LOWER WILLIAMS FORK SAND BODY TYPES

## SAND BODY STATISTICS



### TOTAL POPULATION

Thickness (ft)	136	0.5	29	9.3	8
Apparent Width (ft)	136	40.1	2791.1	526	400.2

Exhibit: G-3

From Cole and Cumella (2005)

Cause #139

Docket #0801-AW-02



# WILLIAMS FORK IN COAL CANYON HIGHLIGHTING DISCRETE SAND BODIES

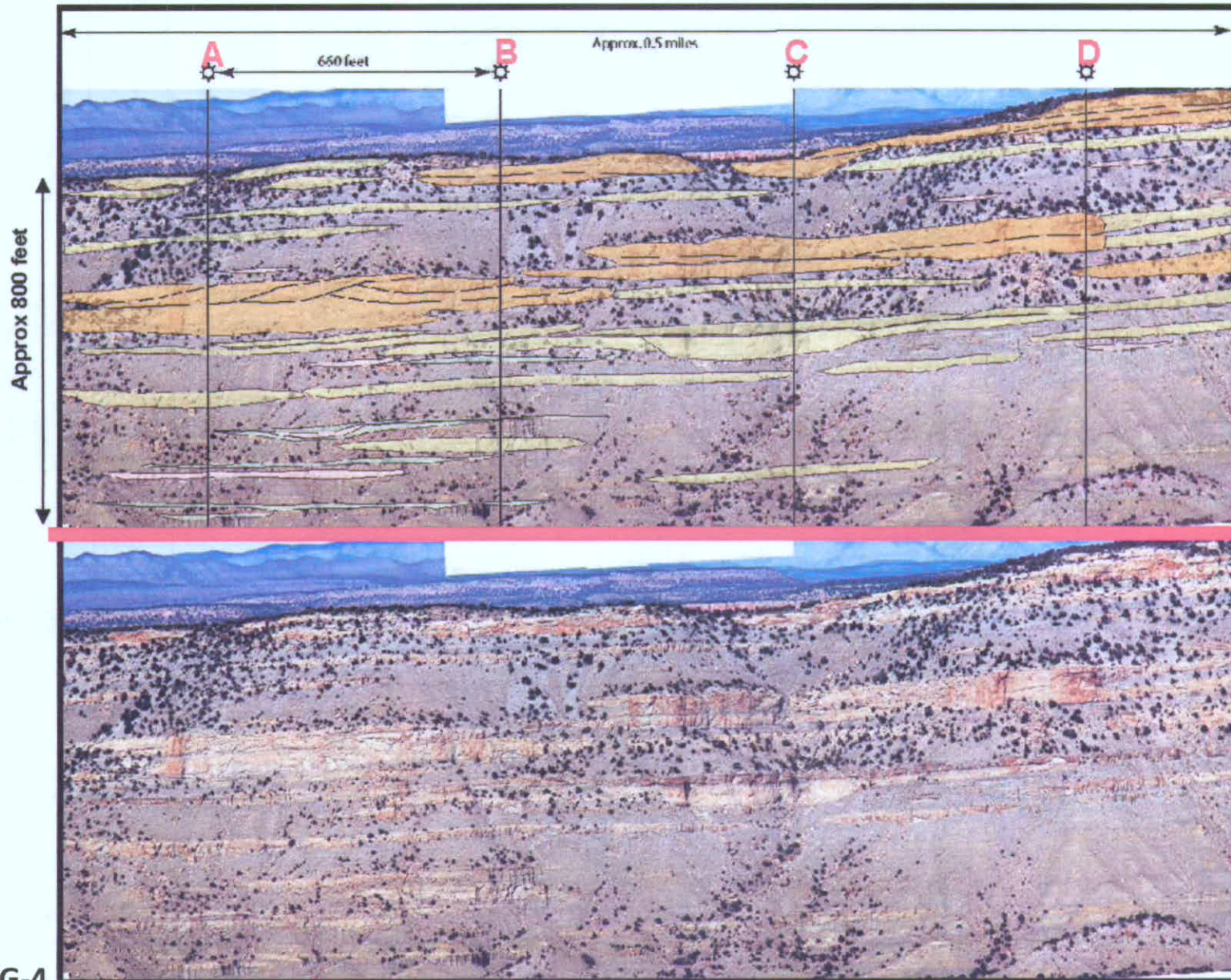


Exhibit: G-4  
Cause #139  
Docket #0801-AW-02



# Williams Fork Outcrop Diagram - Rifle Gap

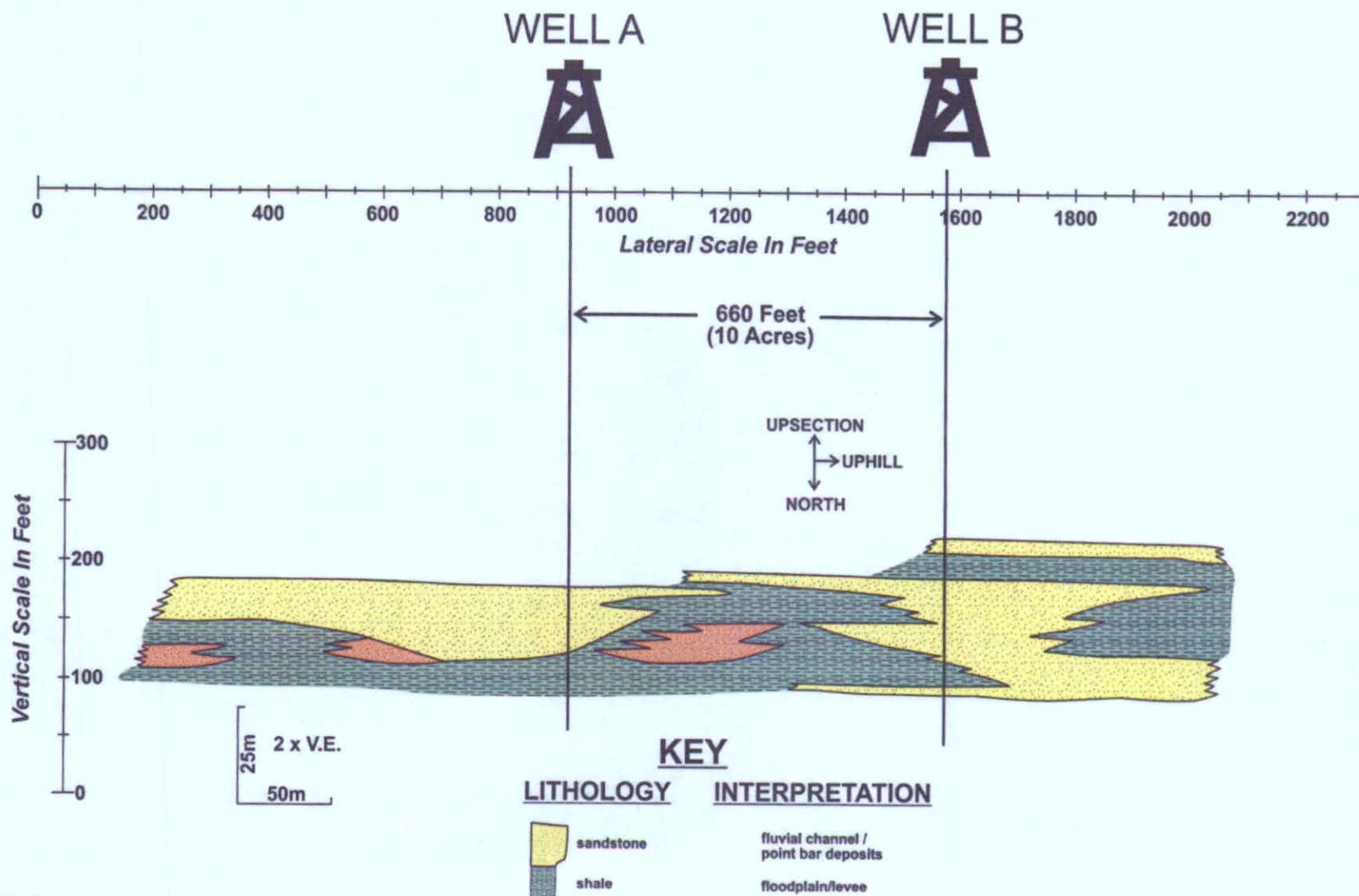


Exhibit: G-5

Cause #139

Docket #0801-AW-02

Outcrop of lens 8, west side of Rifle Gap, modified from Lorenz, 1982 (Pg. 28, Fig. 12).



TwN-Rge-Sec : T6S R93W S30  
PETROGULF CORP  
HOOKER  
30-10

TwN-Rge-Sec : T6S R93W S30  
PETROGULF CORP  
HOOKER  
30-14

A

A'

790 Feet

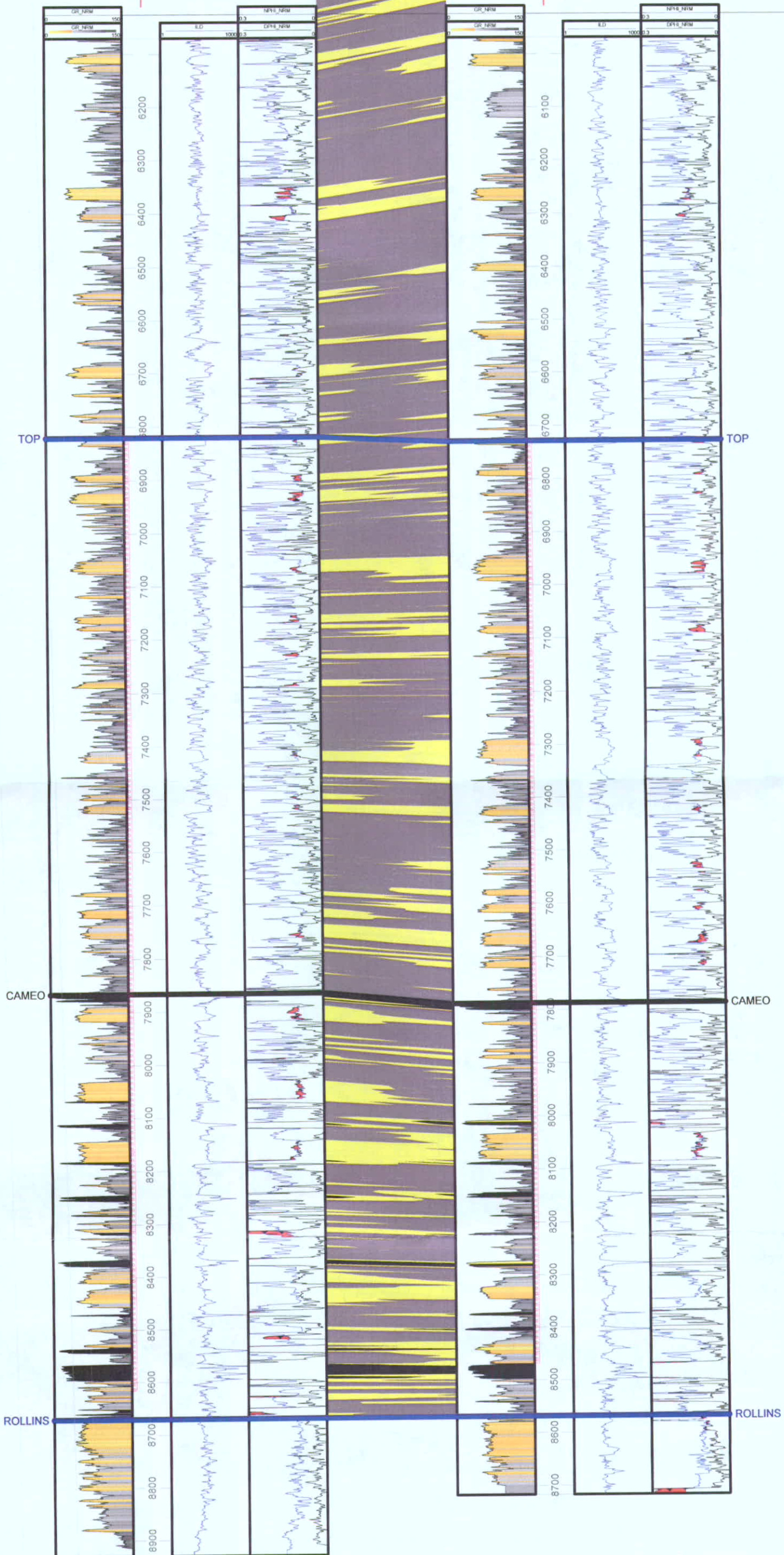


Exhibit: G-6  
Cause #139  
Docket #0801-AW-02



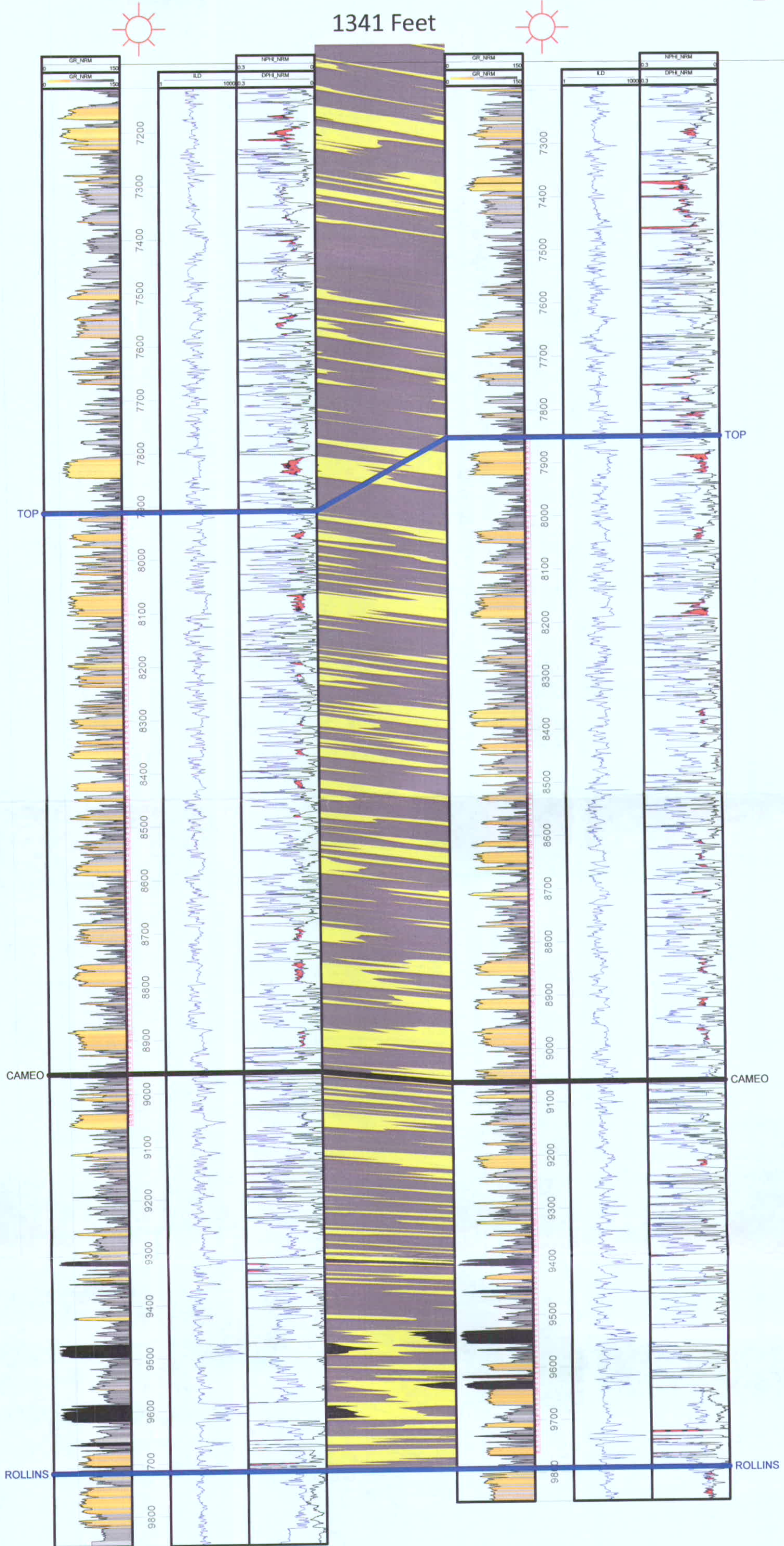
Twn-Rge-Sec : T7S R93W S16  
ENCANA O&G (USA) INC  
HUNTER MESA UNIT  
16-9 J16W

Twn-Rge-Sec : T7S R93W S16  
ENCANA O&G (USA) INC  
FEDERAL  
16-16 J16W

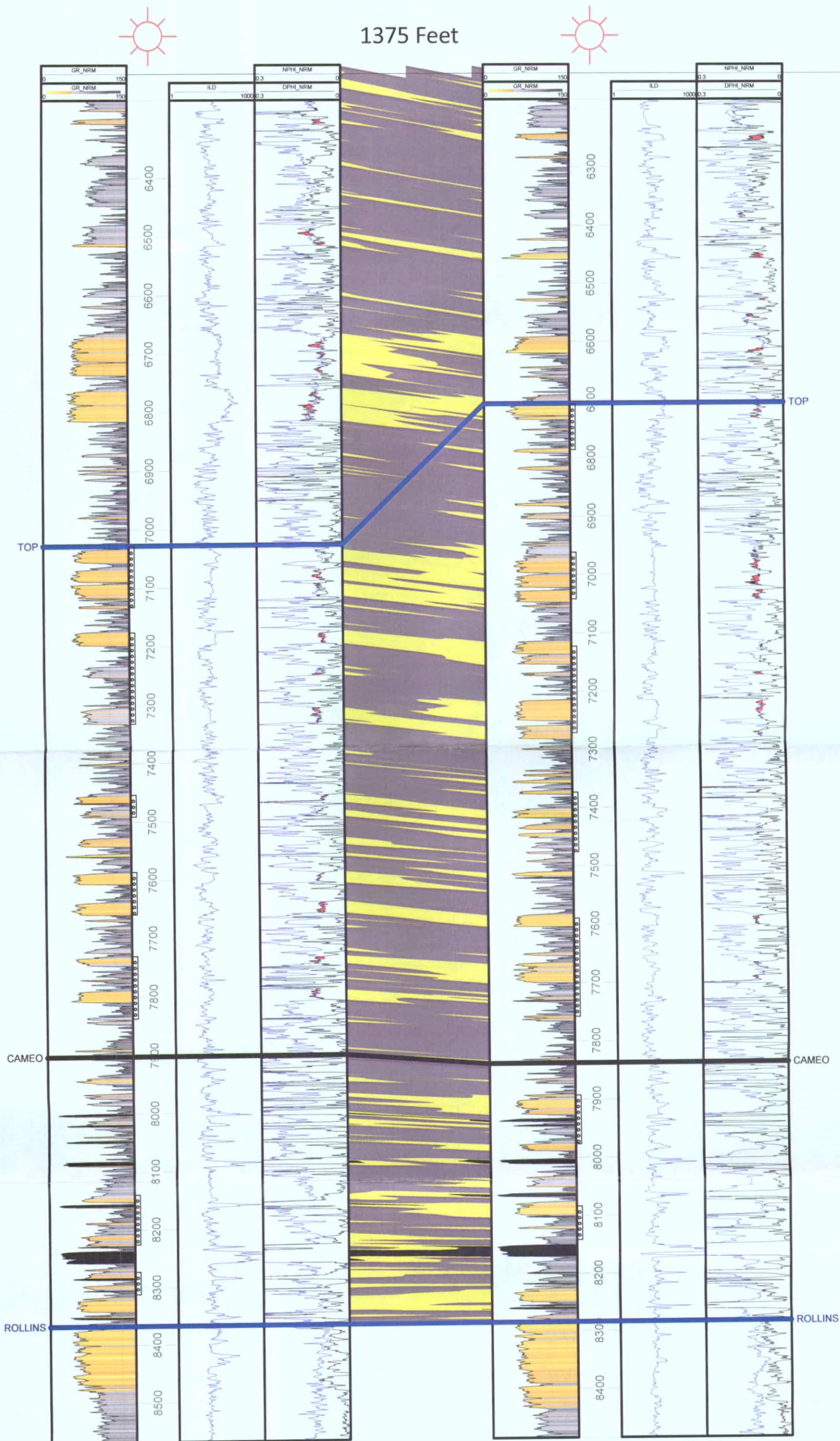
B

B'

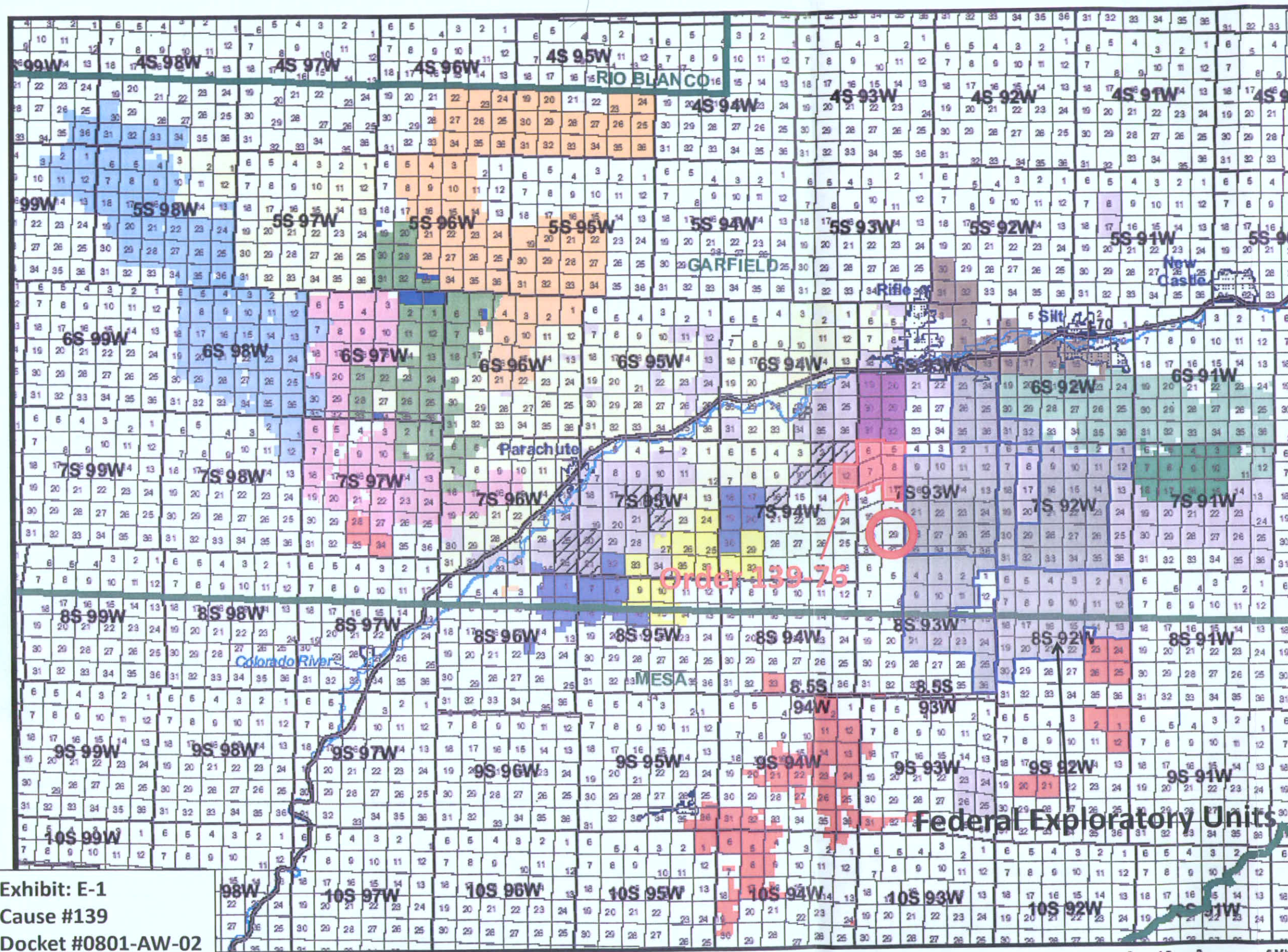
1341 Feet











# Legend

## WILLIAMS 10-ACRE DENSITY ORDERS

- Order 510-14, 510-30, 510-31, 440-39
- Orders 510-12, 479-14, 440-28, 440-36
- Orders 510-6, 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
- Orders 510-17, 139-64
- Orders 510-20, 440-31, 139-60, 479-17, 495-5

## ENCANA 10-ACRE DENSITY ORDERS

- Orders 510-13, 479-15, 139-62

## BILL BARRETT CORP 10-ACRE DENSITY ORDERS

- Orders 191-8, 191-9, 191-10

## FDC 10-ACRE DENSITY ORDERS

- Orders 510-11, 510-18, 510-21

## LARIMIE 10-ACRE DENSITY ORDERS

- Orders 429-4, 166-23, 510-29, 166-24, 286-2, 529-1

## ANTERO 10-ACRE DENSITY ORDERS

- Orders 191-13 to 191-21, 191-24 to 191-27, 191-34,
- Orders 523-2, 191-38, 191-40, 191-41, 191-42, 191-43

## NOBLE 10-ACRE DENSITY ORDERS

- Orders 139-45, 139-51, 139-65
- Orders 510-19, 139-59, 139-61, 510-32

## OXY 10-ACRE DENSITY ORDERS

- Orders 510-15, 510-26

## FRESCO 10-ACRE DENSITY ORDERS

- Order 139-53

## PETROGULF 10-ACRE DENSITY ORDERS

- Order 139-47

## CHEVRON 10-ACRE DENSITY ORDERS

- Orders 510-24, 510-27

## BERRY 10-ACRE DENSITY ORDERS

- Order 510-25

## DOLPHIN 10-ACRE DENSITY ORDERS

- Order 191-33

## WINDSOR 10-ACRE DENSITY ORDERS

- Order 191-32, 191-35

- 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

Note: Spaced lands are mapped to the nearest quarter quarter section or lot.

Exhibit: E-1  
Cause #139  
Docket #0801-AW-02

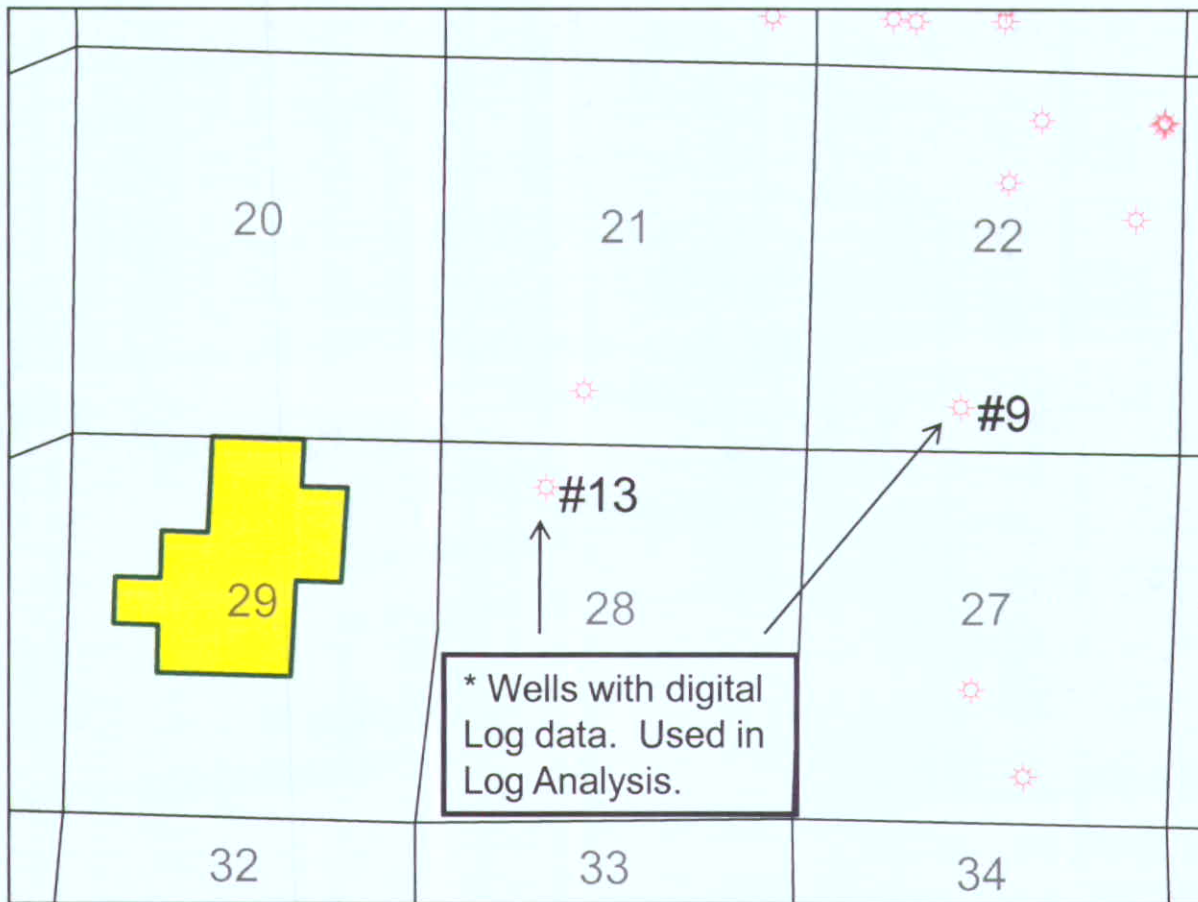
URGENT: March 5, 2007

## DOWNHOLE 10-ACRE DENSITY LANDS, GARFIELD & MESA COUNTIES, COLORADO (As of January 8, 2007)





# Offset William's Fork Producers To Application Area



**Exhibit: E-2**  
**Cause #139**  
**Docket #0801-AW-02**

## Offset Producers

1. Parker Ranch #22-7 (7)
2. Rose Ranch (A22W) (22-1A)
3. Rose Ranch (A22W) (22-2A)
4. Rose Ranch (A22W) (23-4A)
5. Rose Ranch (A-22W) (23-6B)
6. Rose Ranch 22-2(G22) (22-2)
7. Rose Ranch 22-8(G22) (22-8)
8. Pitman K-27 (27-11 D1)
9. Sours (N22W) (22-11) \*
10. HMU 27 K-27 (27-15)
11. Federal (I27W) (26-5)
12. HMU (C28) (21-14)
13. Rose Ranch (C28) (28-3) \*



# William's Fork Type Curve (Typical Well)

## 13 Wells Near Application Area

Sections 22, 27 & 28 - Type Curve -

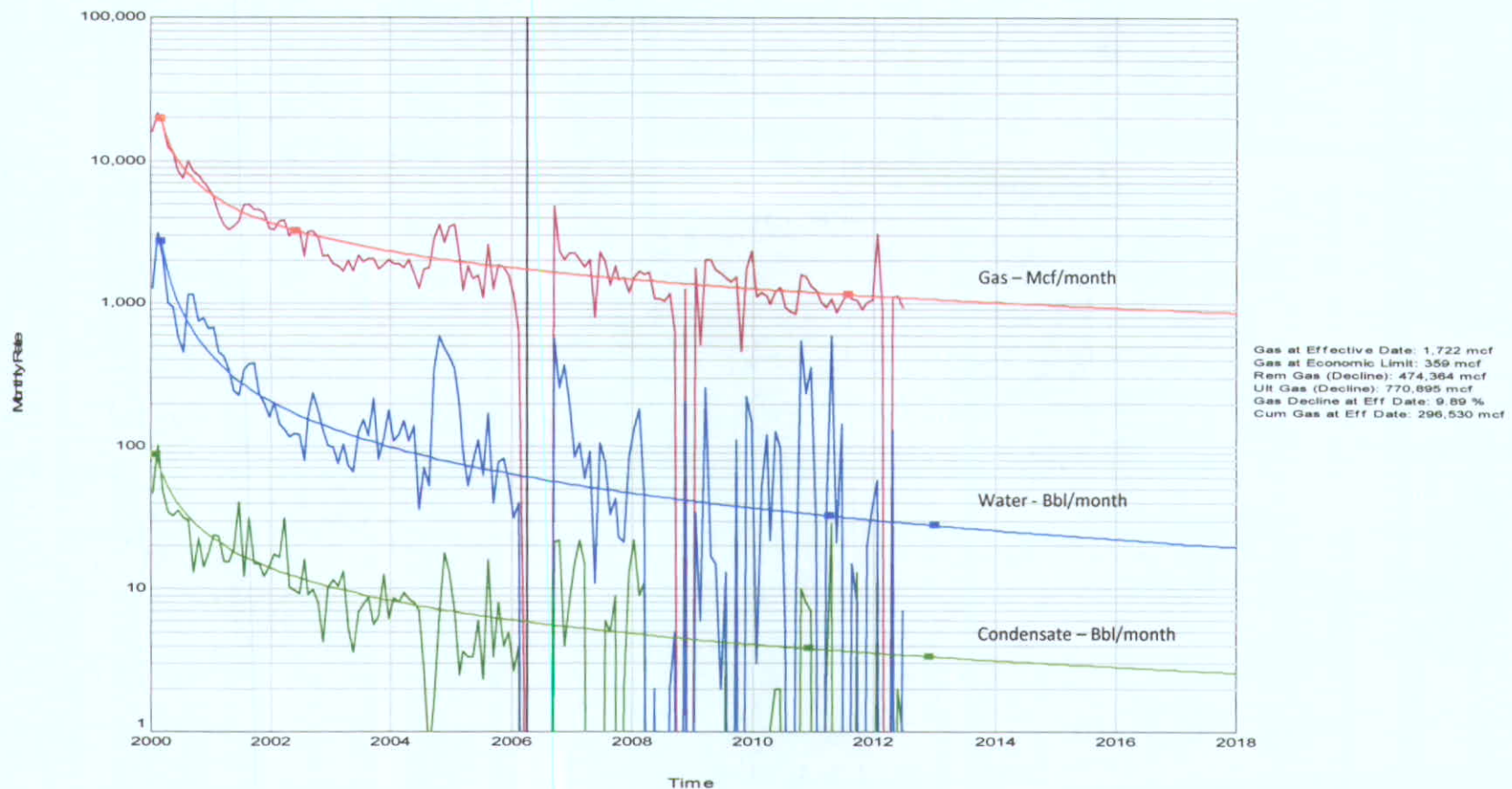


Exhibit: E-3  
Cause #139  
Docket #0801-AW-02

EUR = 771 MMcf



# William's Fork Early Time Drainage Pattern & Set-backs

## Typical 40 Acre Square

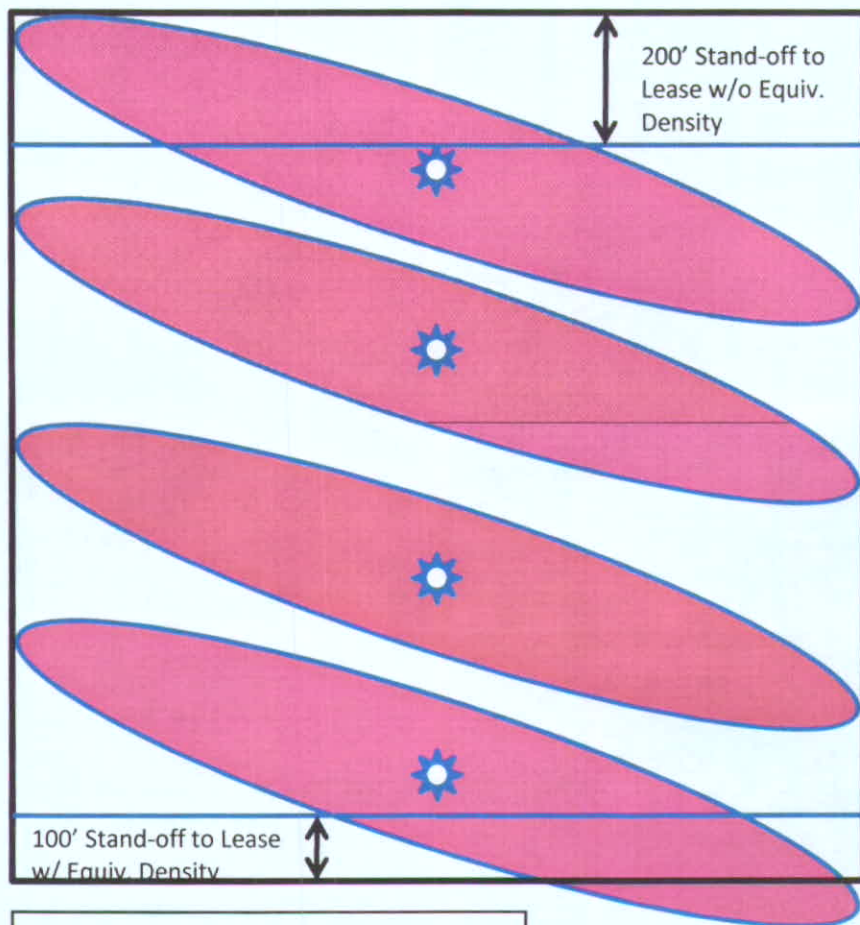
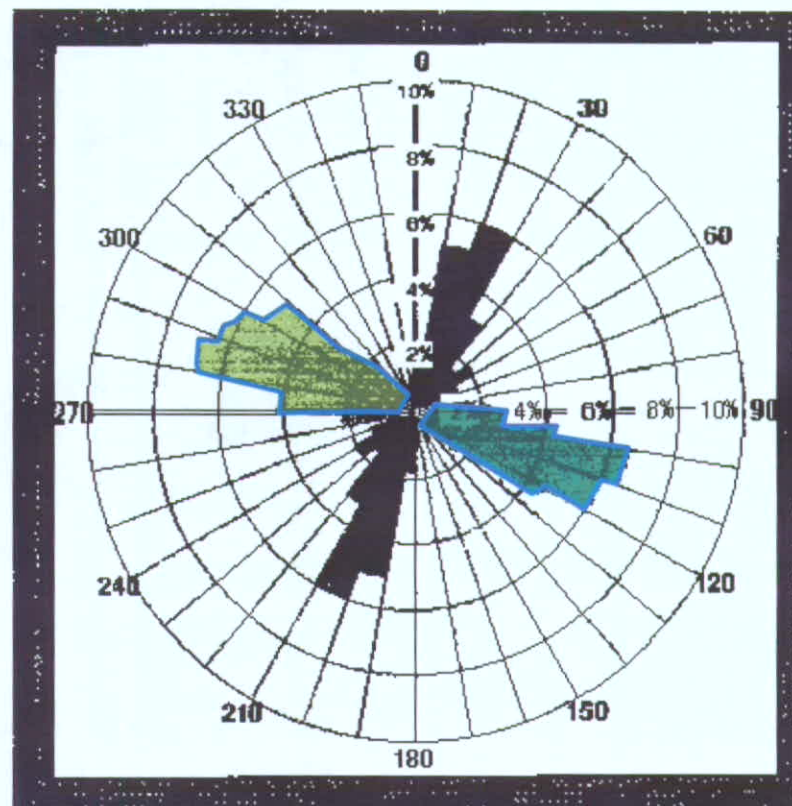


Exhibit: E-6  
Cause #139  
Docket #0801-AW-02

Rose Diagram Showing Preferred Fracture Orientation (Green) – From Rulison Field



Requested Stand-offs:

100 ft - From Lease w/ 10-Acre Density

200 ft – From Lease w/o 10-Acre Density



# Iles Type Curve

## Wells Near Application Area

Exhibit: E-8

Cause #139

Docket #0801-AW-02

ALL ILES PRODUCERS -

