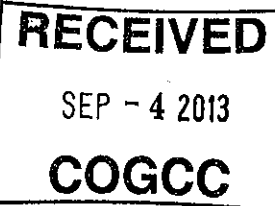




BEFORE THE OIL & GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO



IN THE MATTER OF THE APPLICATION OF  
CARRIZO OIL AND GAS, INC., FOR AN  
ORDER VACATING A 1,280 DRILLING UNIT  
AND ESTABLISHING A 960-ACRE DRILLING  
UNIT WITH UP TO SIXTEEN HORIZONTAL  
WELLS IN THE UNIT, LOCATED IN  
SECTIONS 29 AND 32, TOWNSHIP 8  
NORTH, RANGE 61 WEST IN WELD  
COUNTY, COLORADO

Cause No. 535

Docket No. 1309-SP-1179

ORIGINAL

REQUEST FOR RECOMMENDATION OF  
APPROVAL OF APPLICATION WITHOUT A HEARING

Carrizo Oil and Gas, Inc. ("Applicant"), by and through its undersigned attorneys, hereby requests pursuant to Rule 511.a. of the Rules and Regulations of the Colorado Oil and Gas Conservation Commission for the Director to recommend approval of its July 18, 2013 verified application ("Application") and the supporting exhibits without a hearing.

Applicant requests that the above-captioned matter be approved based upon: (i) the merits of the Application, and (ii) Applicant's sworn written testimony verifying sufficient facts along with exhibits that adequately support the relief requested in the Application. To Applicant's information and belief, no protests were timely filed in this matter.

WHEREFORE, Applicant requests that its request for a recommendation for approval of its Application without a hearing be granted.

DATED this 3<sup>RD</sup> day of September, 2013.

Respectfully submitted,

**CARRIZO OIL AND GAS, INC.**

By: 

Elizabeth Y. Gallaway  
Beatty & Wozniak, P.C.  
Attorney for Applicant  
216 16<sup>th</sup> Street, Suite 1100  
Denver, Colorado 80202  
(303) 407-4499

# *CARRIZO OIL & GAS, INC.*

Cause No. 535  
Docket No. 1309-SP-1179

Land Testimony – Craig Wiest  
Unnamed Field  
Cause No. 535; Docket No. 1309-SP-1179  
Spacing / Increased Density Application  
Niobrara Formation

July 2013 Colorado Oil and Gas Conservation Commission Hearing

My name is Craig E. Wiest, and I am currently Land Manager - Western US for Carrizo Oil and Gas, Inc. ("Carrizo"). I have over sixteen (16) years of experience as a landman and have been employed since June, 2011 with Carrizo and have worked directly with the properties that are subject of this matter.

In support of Carrizo's application today, I have prepared one exhibit. The exhibit is attached to my sworn testimony and forms the basis for the above-referenced application ("Application") which requests an order to establish an approximate 960-acre drilling and spacing unit and allow up to sixteen horizontal wells in the following-described lands:

Township 8 North, Range 61 West, 6th P.M.

Section 29: S½

Section 32: All

Weld County, Colorado (hereafter "Application Lands").

The Application also requests that internal wellbores be offset by 300 feet and unit boundary setbacks of 300 feet.

1. Exhibit No. 1

Exhibit No. 1 is the Well Location Plat that shows the Application Lands.

I certify that Carrizo is an owner with the right to drill wells in the subject unit by virtue of its leasehold interests, and is therefore qualified to apply for the requested relief pursuant to C.R.S. 34-60-116 and Rule 507(b)(1). All of the other owners in the proposed unit that were known to Carrizo (and who could be located) at the time that this application was filed with the Commission received notice of thereof at least twenty (20) days prior to the hearing on this matter. As of the date of this testimony, no timely protest has been filed in this matter.

The matters described herein were all conducted under my direction and control. To the best of my knowledge and belief, all of the matters set forth herein, my testimony and in the exhibits are true, correct, and accurate.

## Affirmation

The matters described herein were all conducted under my direction and control. I hereby swear that to the best of my knowledge and belief, all of the matters set forth herein and in the exhibits are true, correct, and accurate.


Craig E. Wiest  
Land Manager, Western US  
Carrizo Oil and Gas, Inc.

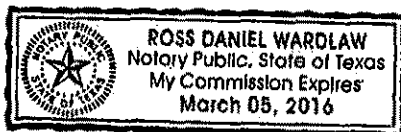
State of Texas )  
County of HARRIS ) ss.

The foregoing instrument was subscribed and sworn to before me this 16 day of August, 2013, by Craig E. Wiest, Land Manager, Western US, for Carrizo Oil and Gas, Inc.

Witness my hand and official seal.  
[SEAL]

My commission expires: 3/5/2016

  
Notary Public



# EXHIBIT 1

Weld County, Colorado  
T8N-R61W Sec 32:All & 29:S2

30	29	28	27	26	25	30	29	34				32		
31	32	33	9N 62W	35	36	31	32	33	9N 61W	35	36	31	9N 60W	33
			34											
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4
7	8	9	10	11	12	7	8	9	10	11	12	7	8	9
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16
			8N 62W						8N 61W				8N 60W	
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28
31	32	33	34	35	36	31	32	33	34	35	36	31	32	33
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4
7	8	9	10	11	12	7	8	9	10	11	12	7	8	9
			7N 62W						7N 61W				7N 60W	
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21

# Paul Fears

## Geoscience Testimony

Colorado Oil and Gas Conversation Commission Hearing  
Cause No. 535  
Docket No. 1309-SP-1179

Township 8 North, Range 61 West, 6<sup>th</sup> P.M., section 32 and S/2 of section 29

Weld County, Colorado

My name is Paul Fears. I am currently employed as the DJ Basin Geologist for Carrizo Oil and Gas Incorporated (Carrizo). I have a Bachelors of Science in Geology from Northern Arizona University. I have experience in oil and gas exploration and development throughout North America.

In support of Carrizo's application, I am submitting five exhibits. These exhibits are attached to my sworn testimony and outline the parameters for this application to increase the density of up to sixteen horizontal wells within the identified 960-acre drilling and spacing units.

Exhibit No. G1:            Spacing Locator Map

Exhibit No. G1 displays the drilling and spacing units Carrizo is requesting consideration for approval from the Oil and Gas Conservation Commission to increase the density of drilling. The area includes section 32 and the southern half of section 29, township 8 north, range 61 west, in Weld County, Colorado. This area is represented on the map as a blue-filled rectangle. The location of the type-log well on Exhibit G2 is identified as the blue circle near the center of the map. The location of the cross-section line found on Exhibit G3 is displayed as a blue line on this exhibit. Wells with Niobrara production are identified with yellow circles.

Exhibit No. G2:            Niobrara Type Log

Exhibit No. G2 is the Type Log used for this area. The log is from Polfam Exploration Company's Sievers 33-18, located in section 18, T8N R61W. Displayed on this type log are typical Gamma Ray, Resistivity, Compensated Density and Compensated Neutron porosity curves associated with modern open-hole logging of the Niobrara in the area. Scales of each curve are posted at the top of the log. The Niobrara

top is identified as the upper blue line on the log. The entire Niobrara Formation is seen on the type log as including the lower Fort Hays Limestone member. The type log exhibits resistivities and porosities similar to logs derived from Niobrara producers nearby in Weld County.

Exhibit No. G3:                    Cross Section A-A'

Exhibit No. G3 is a cross-section of wells near and across the several sections which comprise the drilling and spacing units; showing the Niobrara section. The cross-section extends generally from southwest (A) to northeast (A') and is hung on the top of the Niobrara. All the logs display resistivity curves with the gamma ray or spontaneous potential. Logs on the cross-section exhibit resistivities comparable to productive Niobrara wells located in Weld County.

Exhibit No. G4:                    Niobrara Gross Thickness Isopach

Exhibit G4 shows the gross thickness from the top of the Niobrara to the top of the Codell contoured in 10' increments. Thickness values are posted in green below the well symbol. In the spacing area, Niobrara thickness averages around 350'. The Niobrara Formation is shown to generally thicken towards the northwest of the map by about 50' in the mapped area. The type log is highlighted with a blue circle.

Exhibit No. G5:                    Niobrara Top Subsea Structure

Exhibit No. G5 shows the top subsea structure of the Niobrara contoured in 25' increments. Niobrara top subsea values are posted in blue below the well symbol. The map reflects the regional monoclinial dip to the west existing in this area.

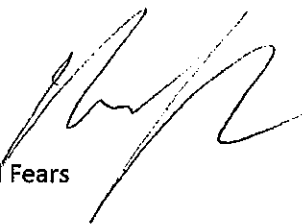
All five (5) Exhibits are intended to help illustrate:

- The Niobrara is productive in the area.
- The Niobrara is fairly uniform in thickness and is contiguous throughout the area.

The geologic attributes described above, in conjunction with the engineering testimony submitted for this hearing by Stephen C. Peters concerning the limited drainage area of producing Niobrara wells, demonstrate the viability of higher drilling densities for the Niobrara Formation in the area.

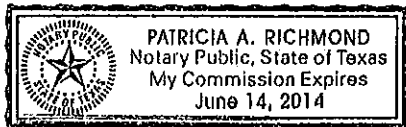
The matters described herein were all conducted under my direction and control. To the best of my knowledge, all of the matters set forth herein, my testimony and exhibits, are true, correct and accurate.


Dated this 29<sup>th</sup> day of August, 2013.

  
Paul Fears

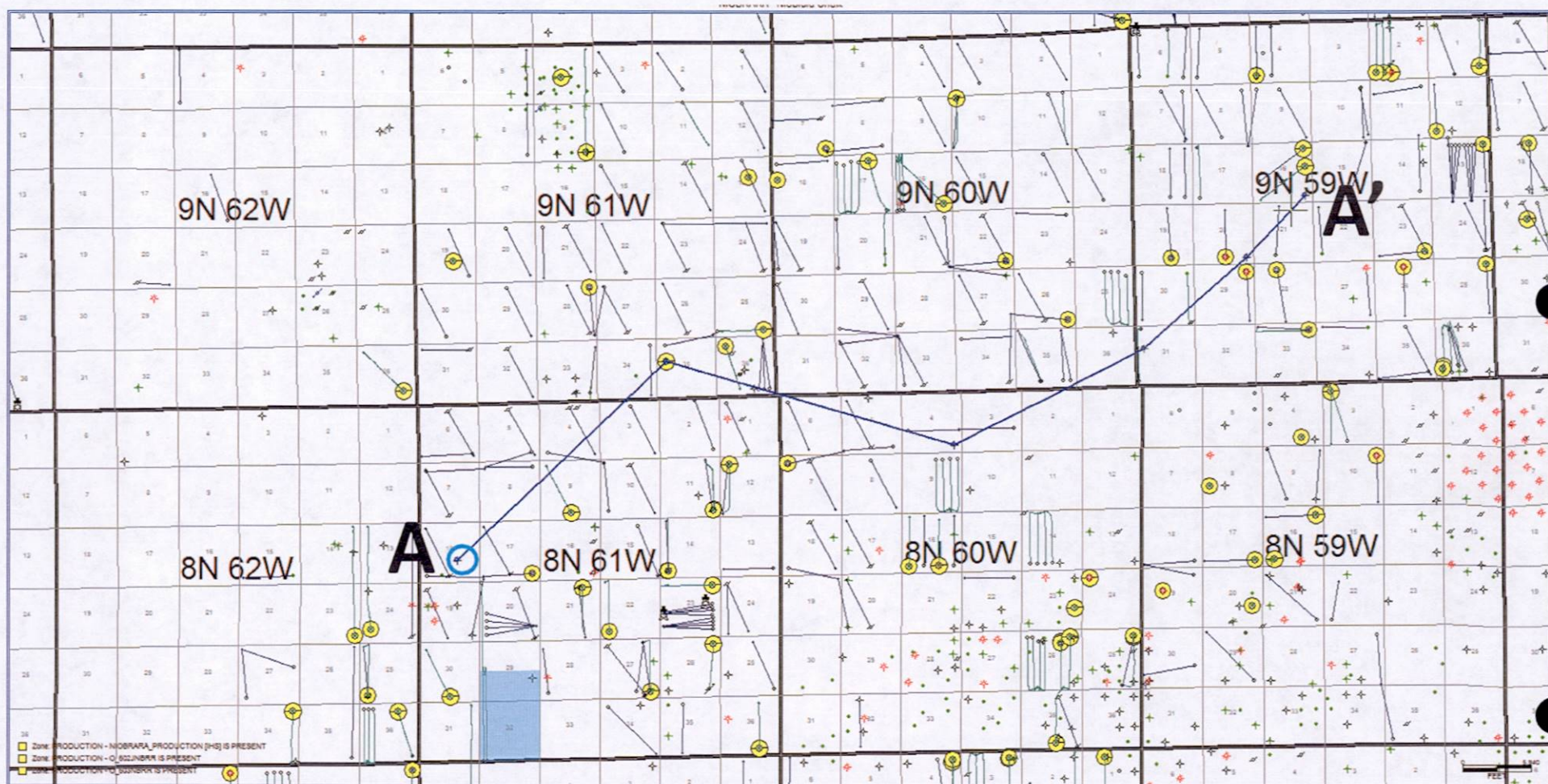
STATE OF TEXAS           §  
                                     §  
COUNTY OF HARRIS     §

This instrument was acknowledged, sworn to and subscribed before me on August 30, 2013, by Paul Fears – Geologist, Carrizo Oil & Gas, Inc., a Texas corporation, on behalf of said corporation.



  
Patricia A. Richmond  
Notary Public  
State of Texas





CARRIZO OIL & GAS, INC

Information Base Map - reported Niobrara production indicated with yellow circle

Type log indicated with blue circle

Proposed Units Highlighted in Blue

Weld County, Colorado

Cause No. 535; Docket No. 1309-SP-1179

**Exhibit G1**

Scale in miles



0 1 2

# CARRIZO OIL & GAS, INC

## Type Log

05123189670000

Polfam Exploration Company

Sievers 33-18

Sec. 18

Twn 8N Rng 61W

Cause No. 535; Docket No. 1309-SP-1179

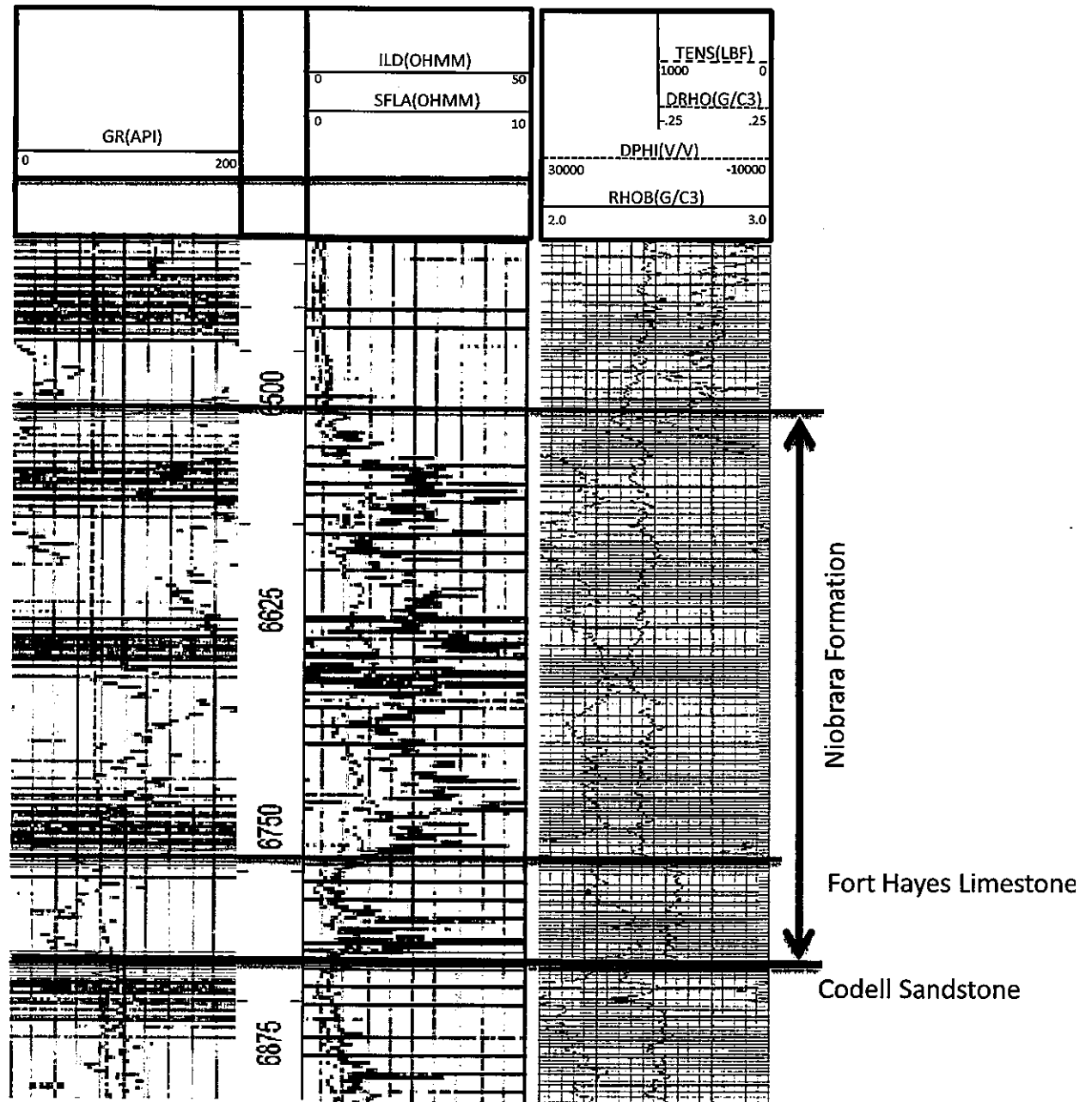
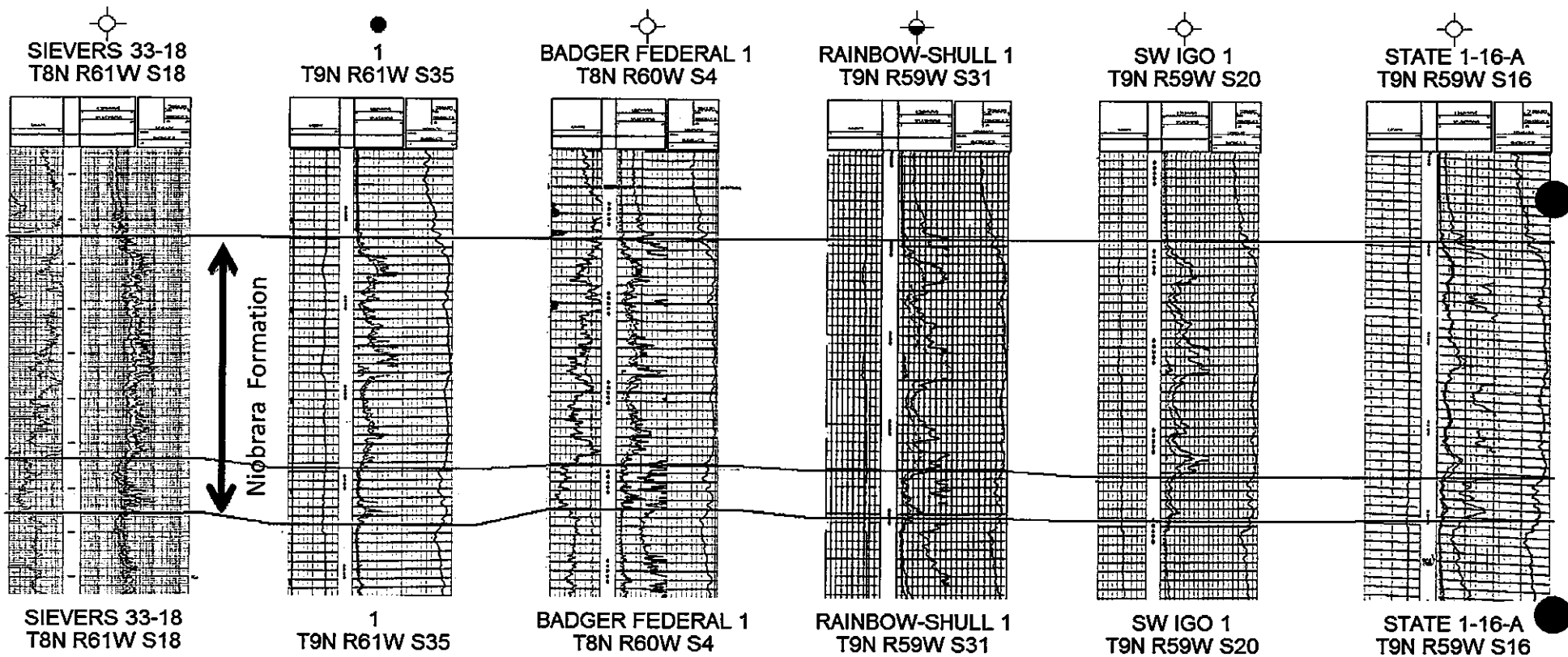


Exhibit G2

A

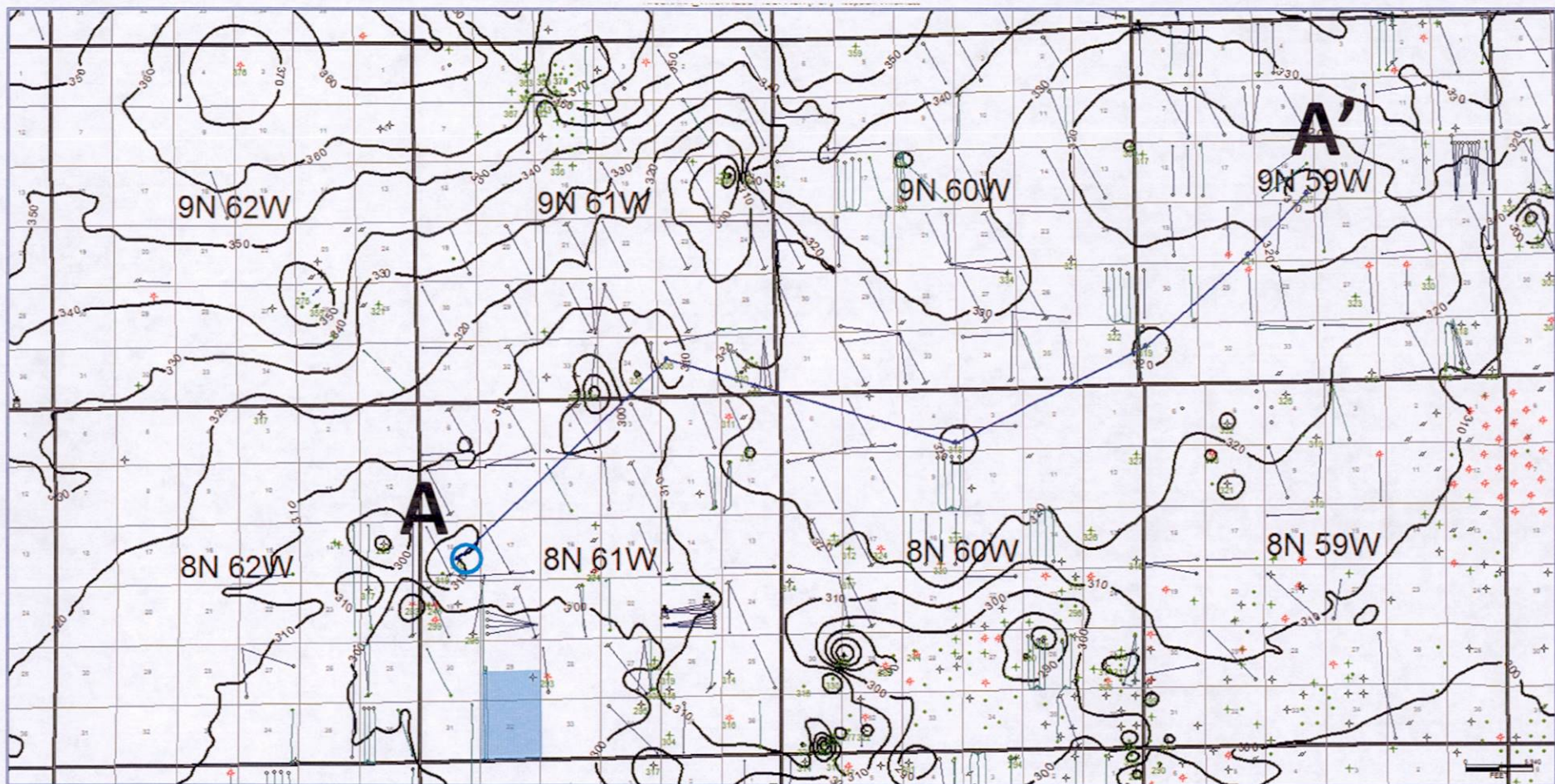
A'



CARRIZO OIL & GAS, INC  
Stratigraphic Cross Section  
Hung on the Top of Niobrara  
Cause No. 535; Docket No. 1309-SP-1179

**Exhibit G3**





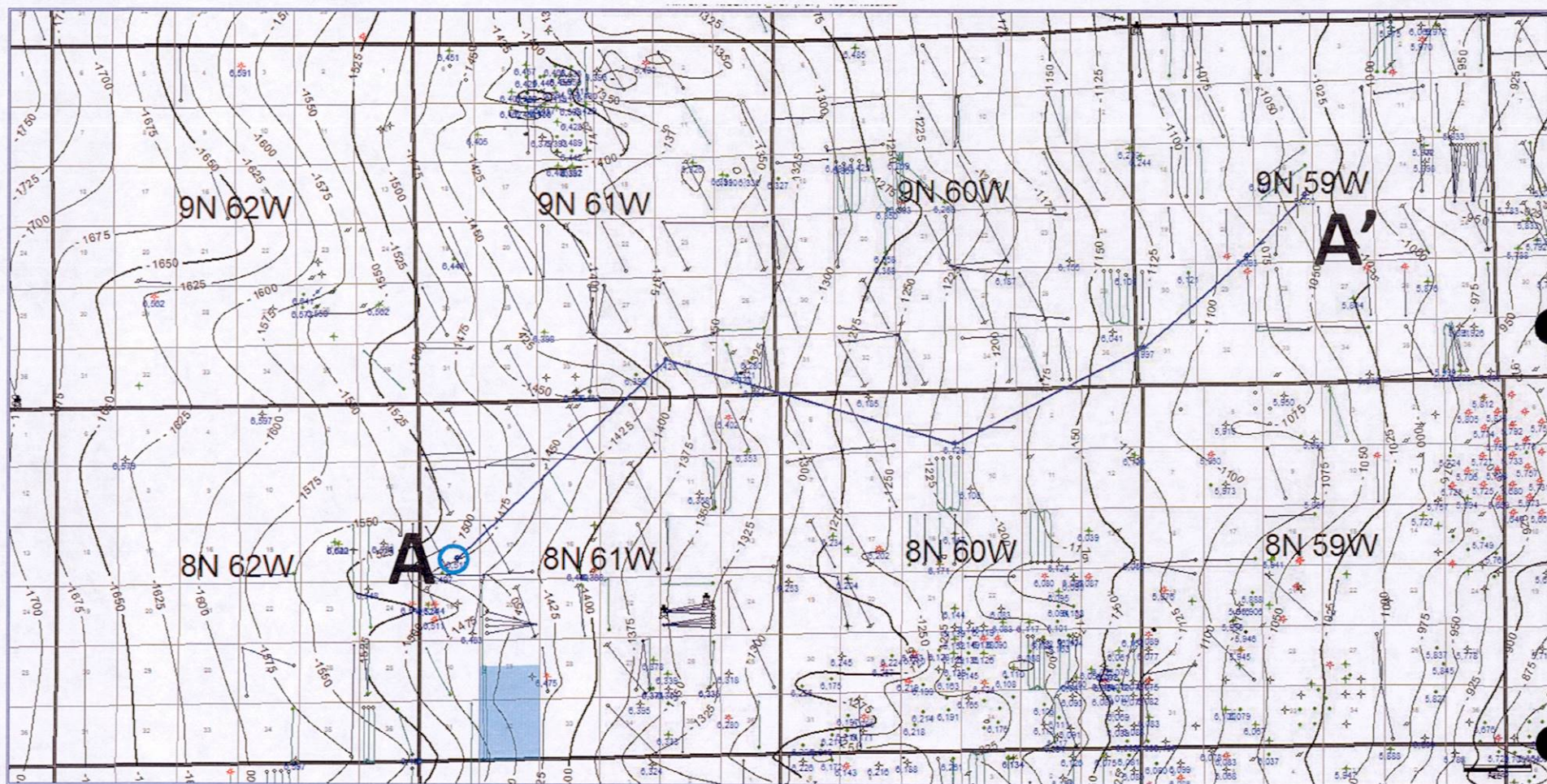
CARRIZO OIL & GAS, INC  
 Niobrara Isopach Map - 10' Contour Interval  
 Type log indicated with blue circle  
 Proposed units highlighted in blue  
 Weld County, Colorado  
 Cause No. 535; Docket No. 1309-SP-1179


# Exhibit G4

Scale in miles



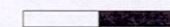




CARRIZO OIL & GAS, INC  
 Niobrara Structure Top Map (Subsea TVD) - 25' Contour Interval  
 Type log indicated with blue circle   
 Proposed Units Highlighted in Blue  
 Weld County, Colorado  
 Cause No. 535; Docket No. 1309-SP-1179

**Exhibit G5**

Scale in miles



0 1 2



Engineering Testimony—Stephen C. Peters  
Unnamed Field  
Cause No. 535; Docket No. 1309-SP-1179  
Spacing Application  
Niobrara Formation

September 16, 2013 Colorado Oil and Gas Conservation Commission Hearing

My name is Stephen C. Peters, and I am currently employed as Manager of Reservoir Engineering for Carrizo Oil & Gas, Inc. ("Carrizo"). I graduated from The University of Texas at Austin in 1974 with a degree in Mathematics. I have over 37 years of experience in drilling and completion, production operations, and reservoir evaluation. A copy of my curriculum vitae is attached to this submittal and marked as Exhibit E-1. I am familiar with the lands that are subject of this matter.

In support of Carrizo's application today, seven (7) exhibits are submitted. The exhibits are attached to my sworn testimony and form the basis for the above-referenced application ("Application") for an order approving a drilling unit with the following specifications. The Application requests 16 wellbores per 640 acre unit – maintaining 300' offsets to sideline unit boundaries - or per one mile unit width perpendicular to the laterals for units of less or more than 640 acres. For purposes of this analysis, 300' internal wellbore setbacks are used as a modeling convention. The requested unit is for development of and production from the Niobrara Formation, in the following lands:

Township 8 North, Range 61 West, 6<sup>th</sup> P.M.  
Section 29: S2  
Section 32: All

Weld County, Colorado;

**Exhibit No. E-1** is a copy of my resume/curriculum vitae.

**Exhibit No. E-2** presents anticipated initial formation pressure determined from analysis of a leak-off test performed in Carrizo's State 36-24-9-61H well. This well is one of two Carrizo wells in which such testing has been performed.

**Exhibit No. E-3** presents anticipated initial formation pressure from the second well in which leak-off testing has been performed, Carrizo's Bob White 36-44-8-62H.

**Exhibit No. E-4** is a rate-pressure transient analysis (or RTA) which presents historical bottom hole flowing pressures (calculated from corresponding surface pressures) compared to modeled bottom hole flowing pressures in the Carrizo State 36-24-9-61H well. The model incorporates

actual rate history and the initial reservoir pressure determined from evaluation of the leak-off test along with the actual completed length of this well and frac half-lengths of 75'.

**Exhibit No. E-5** is a rate-pressure transient analysis which presents historical bottom hole flowing pressures compared to modeled bottom hole flowing pressures in the Carrizo Bob White 36-44-8-62H well. The model incorporates actual rate history and the initial reservoir pressure determined from evaluation of the leak-off test along with the actual completed length of this well and frac half-lengths of 75'.

**Exhibit No. E-6** presents specific calculations for two example wells with reservoir properties equal to those observed in Carrizo's State 36-24-9-61H and Carrizo's Bob White 36-44-8-62H but with lateral lengths and drainage widths adjusted to accommodate the proposed spacing dimensions. The anticipated EUR for each of these two example wells was determined by RTA modeling and forecasting. The same reservoir permeability and frac half-lengths which resulted from matching the rate-pressure histories of the two wells (referenced in Exhibits E-4 and E-5) were used in modeling the example wells and the number of frac stages were adjusted to accommodate the revised lateral lengths.

**Exhibit E-7** presents results of economic analyses of the two example wells.

**Findings from engineering analyses of information presented in the attached exhibits are summarized below:**

- Carrizo's State 36-24-9-61H well appears to have been completed in a reservoir with initial pressure of 2912 psia and average effective matrix permeability of 0.60 micro-darcies. The completed lateral length of this wellbore is 3245' incorporating 11 frac stages with apparent half-lengths of 75'. A well with a completed lateral length of 4680' incorporating 15 fracs with 75' half-lengths placed in a similar reservoir and limited to 300' internal spacing should exhibit an Estimated Ultimate Recovery (EUR) of 125.4 thousand oilfield barrels of oil (MBO) plus associated gas and processed natural gas liquids (NGL's). Economics for such a well are sound.
- Carrizo's Bob White 36-44-8-62H well appears to have been completed in a reservoir with initial pressure of 3259 psia and average effective matrix permeability of 0.30 micro-darcies. The completed lateral length of this wellbore is 3484' incorporating 14 frac stages with apparent half-lengths of 75'. A well with a completed lateral length of 4680' incorporating 15 fracs with 75' half-lengths placed in a similar reservoir and limited to 300' internal spacing should exhibit an Estimated Ultimate Recovery (EUR) of 117.9 thousand oilfield barrels of oil (MBO) plus associated gas and processed natural gas liquids (NGL's). Economics for such a well are sound.

## VERIFICATION

The exhibits support my expert opinion that the proposed drilling and spacing unit will promote efficient drainage, protect correlative rights and avoid waste.

The matters described herein were all conducted under my direction and control. To the best of my knowledge and belief, all of the matters set forth herein and in the exhibits are true, correct, and accurate.

Step 1/2

**Stephen C. Peters**  
Manager, Reservoir Engineering  
Carrizo Oil and Gas, Inc.

STATE OF TEXAS                                 )  
  )ss.  
COUNTY OF HARRIS                                 )

The foregoing instrument was subscribed and sworn to before me this 29<sup>th</sup> day of August, 2013, by Stephen C. Peters, Manager of Reservoir Engineering for Carrizo Oil & Gas, Inc.

Witness my hand and official seal.

My commission expires: June 26, 2017.



Notary Public



STEPHEN C. PETERS  
Carrizo Oil & Gas, Inc.  
500 Dallas Street, Suite 2300, Houston, TX 77002  
(713) 328-1000

EXHIBIT E-1 (CURRICULUM VITAE)

1996-Present: Manager of Reservoir Engineering  
Carrizo Oil & Gas, Inc.

Reservoir engineer for Gulf Coast, East Texas, Rocky Mountains and Eastern US areas - Carrizo Oil & Gas, Inc.

- Work with third party engineering firms in formulation of SEC year-end reports and periodic updates as needed.
- Organize and maintain reserve portfolios in ARIES database. Perform volumetric and material balance calculations (with dynamic modeling) as back-up for reserve assignments.
- Evaluate (for participation elections) majority of proposed work on outside operated properties.
- Work closely with CFO and Bankers in generating loan basis for Senior Debt.
- Work closely with Operations Department in evaluating candidates for stimulation, compression, acceleration and/or plugging.
- Work closely with Exploration and Operations Departments in evaluating drilling prospects and acquisitions.

1995-1996: Senior Petroleum Engineer  
Pennzoil, Offshore Division, Houston, Texas

Headed Asset Team charged with expediting development projects for offshore properties located in the western Gulf of Mexico.

1992-1994: Senior Petroleum Engineer  
Pennzoil, South Texas Division, Houston, Texas

Served as chief engineer for 6 company operated oil and gas fields located in Aransas, Refugio and Victoria Counties, Texas. Directly involved with production and development operations.

1990-1991: Senior Petroleum Engineer  
Pennzoil, Western Division, Houston, Texas

Served as Joint Interest Coordinator for Western Division. Expedited approvals for expenditure (AFE's), reviewed joint venture invoices and approved for payment, interpreted gas balancing agreements and gas processing agreements, administered Joint Operating Agreements, and represented company in communications with joint interest owners.

1985-1989: Senior Petroleum Engineer  
Proven Properties Inc., Houston, Texas (Acquisitions Company Partially Owned by Pennzoil)

Evaluated reserves, prepared estimates of future cash flows and assigned bid values to producing oil and gas properties designated as purchase candidates.

1979-1984: Supervisory Petroleum Engineer  
Pennzoil, Offshore Division, Houston, Texas

Served as field engineer for 5 company operated and 4 non-operated offshore fields in western Gulf of Mexico. Earned promotion to Supervisory Engineer and exercised staff authority over 5 field engineers in Pennzoil's Houston Marine District.

1976-1978: Drilling Engineer  
Pennzoil, Offshore Division, Houston, Texas

Served as on-site supervisor for drilling, completion and workover operations on offshore wells, western Gulf of Mexico.

1975: Mud Engineer/Mud Logger  
IMCO Services, Houston, Texas

Served as on-site drilling fluids specialist on wells in Gulf of Mexico, Abu Dhabi and North Slope Alaska.

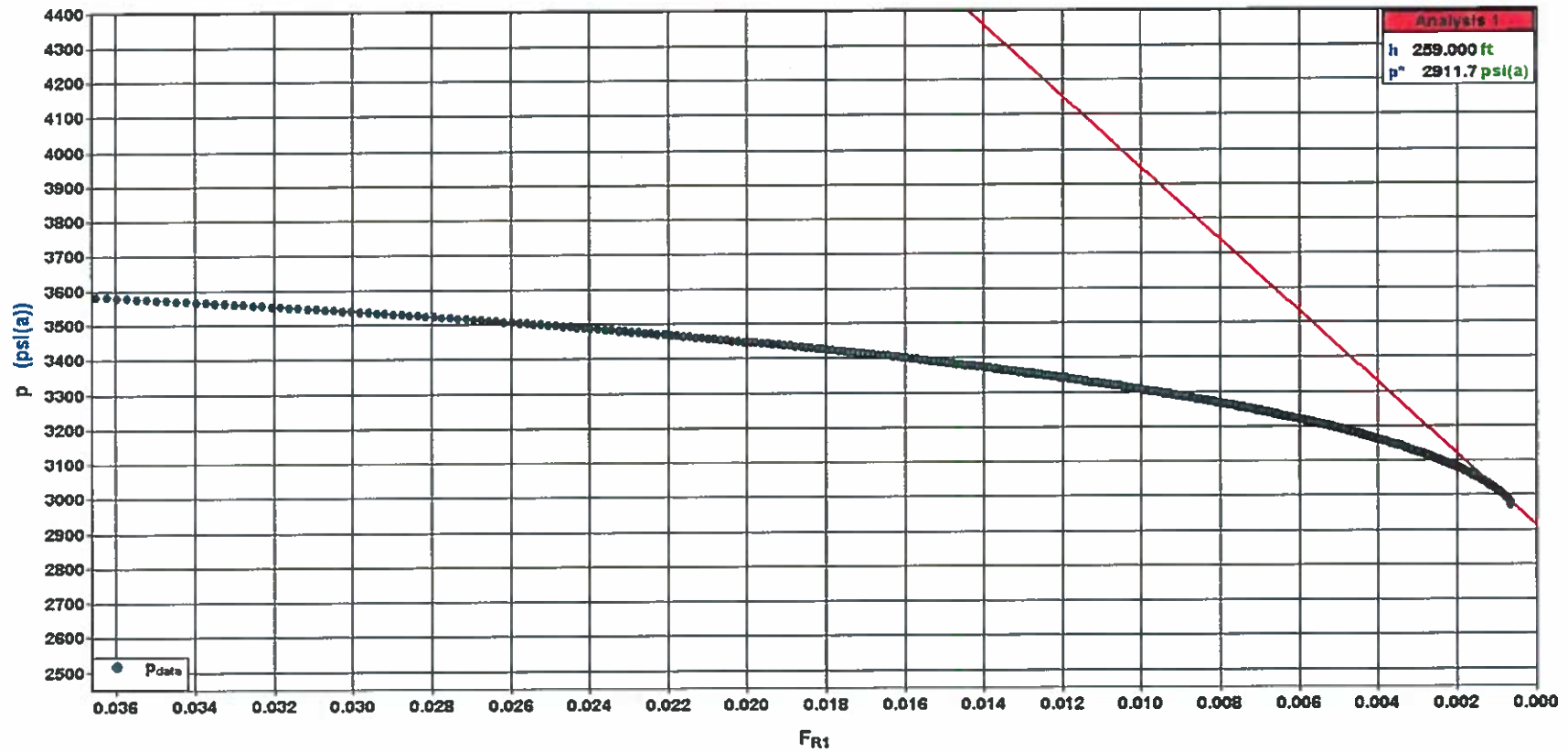
EDUCATION and MEMBERSHIPS

B.A. Mathematics (High Honors)-The University of Texas at Austin-January 1975

26 Year Member - Society of Petroleum Engineers

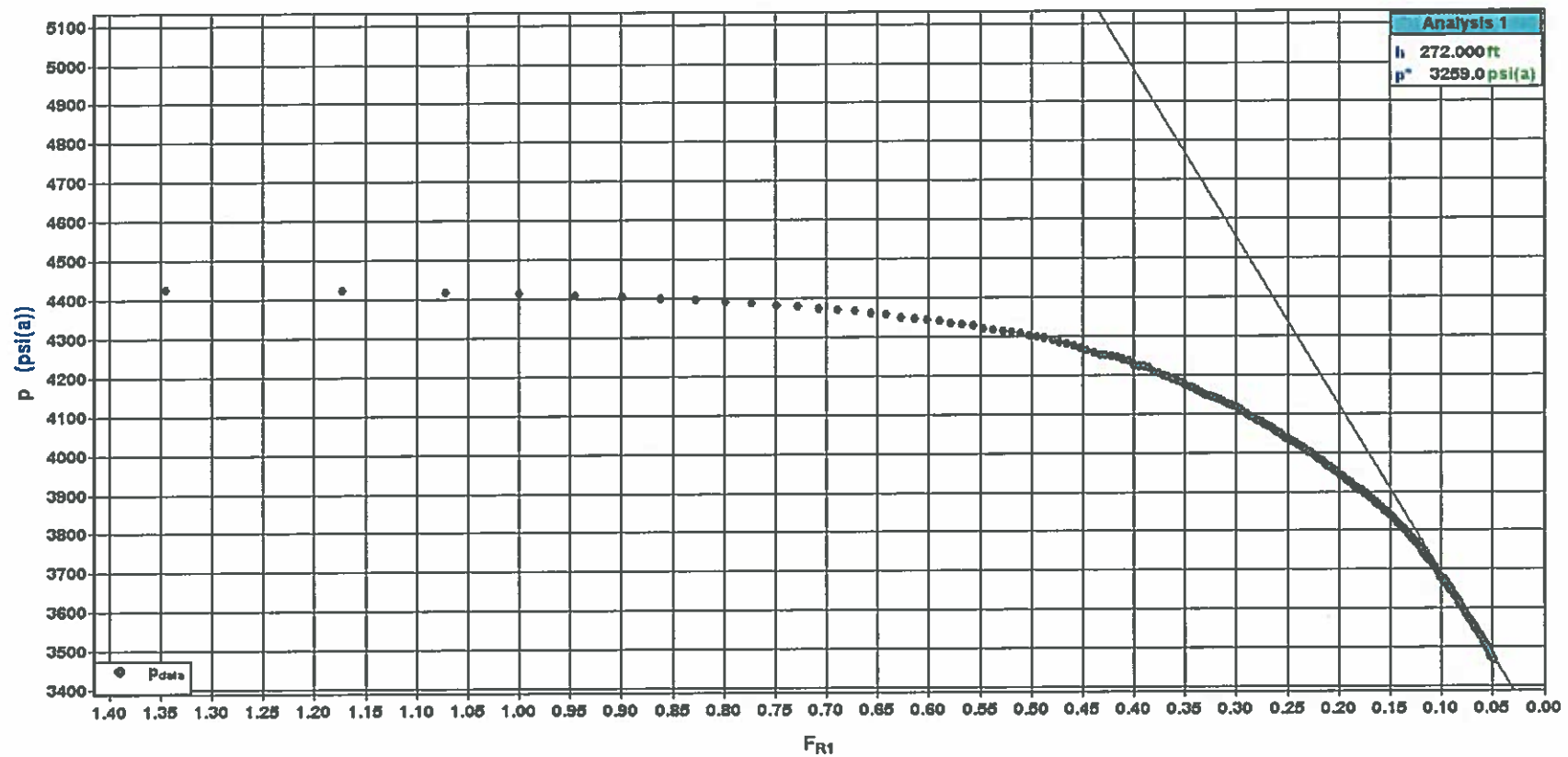
## Exhibit E-2

### Carrizo State 36-24-9-61 H P\* from Fall-Off



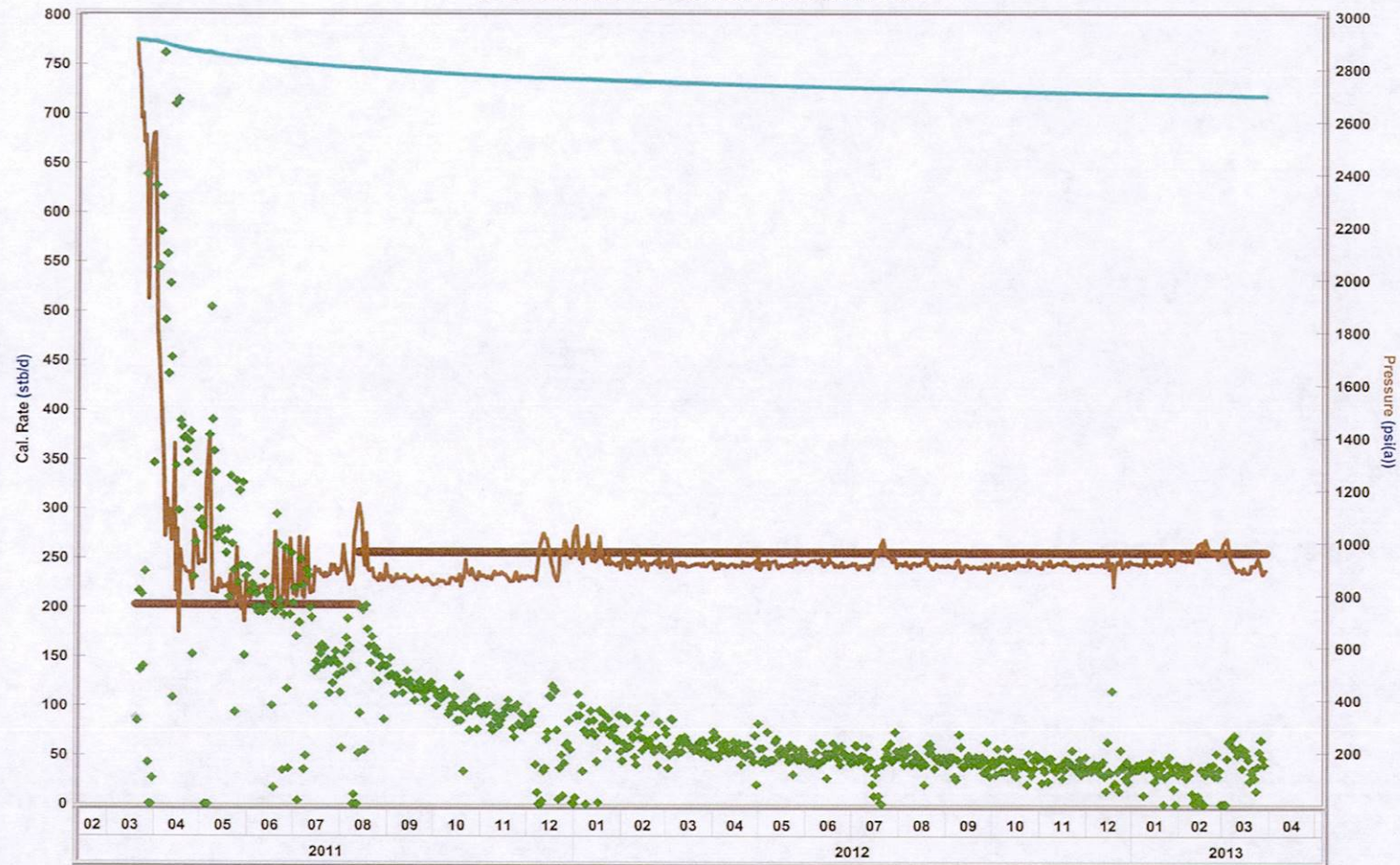
**Exhibit E-3**

**Carrizo Bob White 36-44-8-62 H**  
**P\* from Fall-Off**



# Exhibit E-4

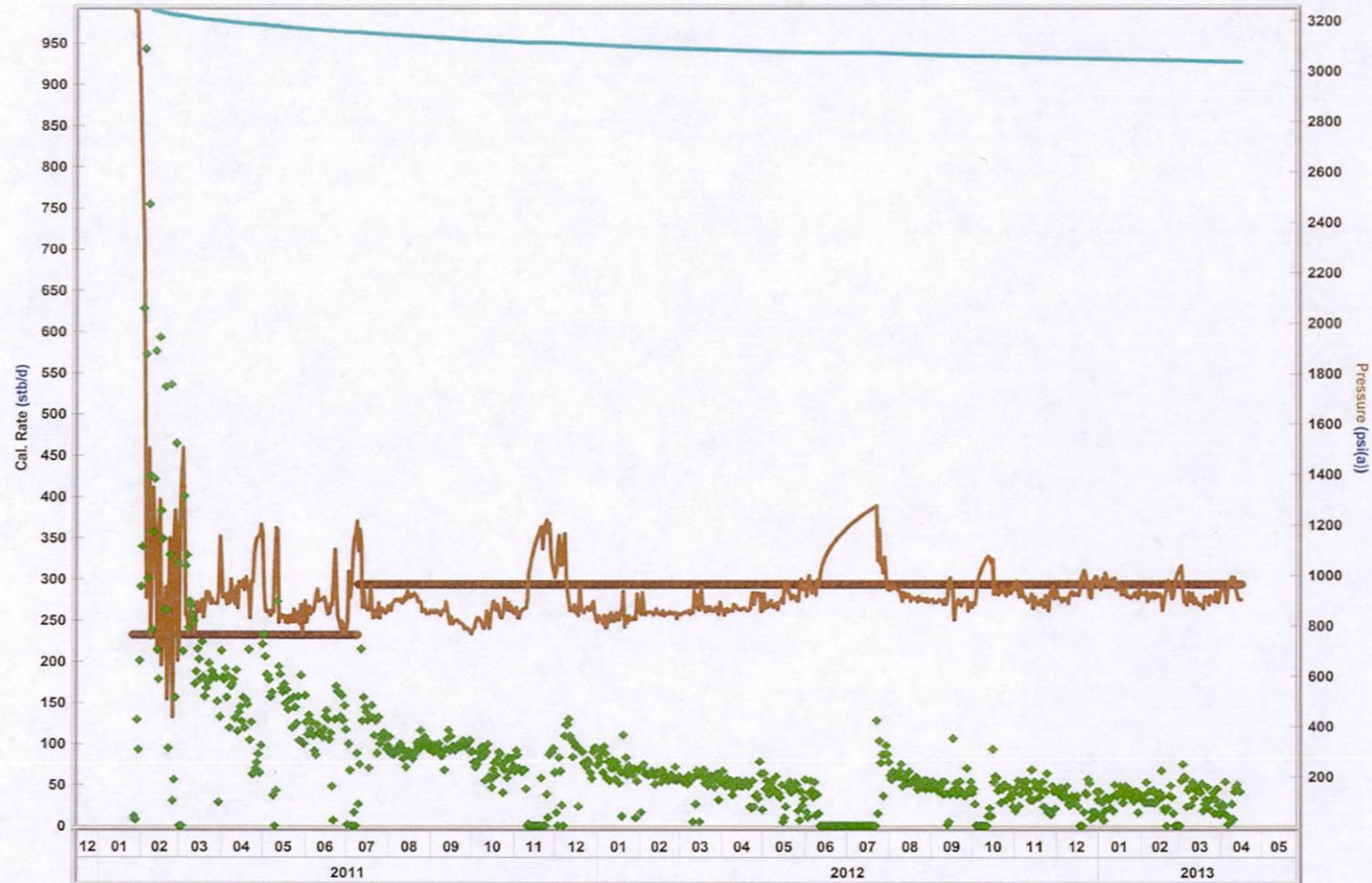
State 36-24-9-61 H Multifrac-Composite Model  
3245' Lateral, Xf = 75' w/ 0.60 micro-darcies Perm





# Exhibit E-5

Bob White 36-44-8-62 H Multifrac-Composite Model  
3415' Lateral, Xf = 75' w/ 0.30 micro-darcies Perm



# **Exhibit E-6**

## **Carrizo Oil & Gas, Inc. - Volumetric Oil Reserve Worksheet**

**Example Well Based on Properties Identified in Carrizo State 36-24-9-61H**

Description of Parameter	Value of Parameter
Depth (TVD below Ground Level)	6,350
Porosity	8.03%
Sw (Water Saturation-Percent of Pore Space)	60.00%
Height (Thickness) of Formation	259
Initial Reservoir Pressure (PSIA)	2,912
Initial Reservoir Temperature (degF)	217
Initial Gas-Oil Ratio (CuFt/Stock Tank Bbl)	650
Oil Gravity (deg API)	38.0
Sep Gas Gravity (air = 1.0)	0.88
Formation Volume Factor (Reservoir Bbls/Stock Tank Bbl)	1.374
Lateral Section Drained (Ft) = Length of Completed Horizontal Wellbore	4,680
Width of Drainage (Ft) = Spacing Distance Between Wellbores	300
Acres in Drained Area	32.2
Original Stock Tank Oil in Place (Mbbls) per Spacing Unit assuming uniform Height	1,514.0
<b>Modeled EUR to Economic Operating Limit (MBbls)</b>	<b>125.4</b>
Anticipated Recovery Efficiency at Stipulated Spacing	8.3%

**Example Well Based on Properties Identified in Carrizo Bob White 36-44-8-62H**

Description of Parameter	Value of Parameter
Depth (TVD below Ground Level)	6,600
Porosity	6.04%
Sw (Water Saturation-Percent of Pore Space)	57.00%
Height (Thickness) of Formation	272
Initial Reservoir Pressure (PSIA)	3,259
Initial Reservoir Temperature (degF)	218
Initial Gas-Oil Ratio (CuFt/Stock Tank Bbl)	900
Oil Gravity (deg API)	38.0
Sep Gas Gravity (air = 1.0)	0.88
Formation Volume Factor (Reservoir Bbls/Stock Tank Bbl)	1.497
Lateral Section Drained (Ft) = Length of Completed Horizontal Wellbore	4,680
Width of Drainage (Ft) = Spacing Distance Between Wellbores	300
Acres in Drained Area	32.2
Original Stock Tank Oil in Place (Mbbls) per Spacing Unit assuming uniform Height	1,180.0
<b>Modeled EUR to Economic Operating Limit (MBbls)</b>	<b>117.9</b>
Anticipated Recovery Efficiency at Stipulated Spacing	10.0%

Exhibit E-7

**Niobrara Formation Drilling & Spacing Unit Application**

**Economic Calculations-Example Wells With 300' Internal Offsets**

	CAPEX	Oil Price	Gas Price	Oil EUR	Gas EUR	NPV <sub>10</sub>	DCFROR	Disc ROI	Discounted
	\$/M	\$/Bbl (NYMEX)	\$/MCF (NYMEX)	MBbl	MMCF	BFIT \$M	%		Payout (Yrs)
<b>Well Based on State 36-24-6-61H Properties</b>									
Unrisked:	\$4,200.0	\$90.00	\$4.00	125.4	86.2	\$2,664.0	104.2%	1.64	1.05
<b>Well Based on Bob White 36-44-8-62H Properties</b>									
Unrisked:	\$4,200.0	\$90.00	\$4.00	117.9	113.6	\$2,068.2	54.2%	1.49	1.62

**Key Assumptions**

Operating Expenses \$5,600/Month plus \$1.98/Bbl  
WI = 100.000%, Royalty = 18.000%, NRI = 82.000%

The economics for these projects are sound.

**RECEIVED**

SEP 19 2013

**COGCC**



**McGRAW HILL  
CONSTRUCTION**

McGRAW HILL FINANCIAL

## AFFIDAVIT

INVOICE #: A354337 01

ACCOUNT #: A30036432

INVOICE DATE: 09/06/13

INQUIRIES TO:

TEL: 866 - 260 - 9240 FAX: 855 - 323 - 987

ADVERTISER/AGENCY:

**BILL TO:** BEATTY & WOZNIAK PC  
DANIELLE CARROLL  
216 SIXTEENTH ST STE 1100  
DENVER CO 80202



**McGRAW HILL  
FINANCIAL**

**PUBLICATION:** DENVER DAILY JOURNAL

STATE OF COLORADO  
COUNTY OF DENVER

I, KARINA MORALES, OF THE CITY AND COUNTY OF MERCER, STATE OF NEW JERSEY, HAVING DULY BEEN SWORN, DEPOSES AND SAYS:  
I AM NOW AND AT ALL TIME HEREINAFTER MENTIONED A CITIZEN OF THE UNITED STATES OF AMERICA, OVER TWENTY - ONE YEARS OF AGE, AND COMPETENT TO BE A WITNESS ON THE HEARING OF THE MATTERS MENTIONED IN THE ANNEXED PRINTED COPY NOTICE HEREINAFTER SET FORTH; I HAVE NO INTEREST WHATSOEVER IN ANY OF THE SAID MATTERS; I AM NOW AND DURING ALL TIMES EMBRACED IN THE PUBLICATION HEREIN MENTIONED WAS THE CHIEF CLERK OF THE NEWSPAPER, A NEWSPAPER OF GENERAL CIRCULATION PRINTED AND PUBLISHED IN SAID CITY AND COUNTY; AS CHIEF CLERK DURING ALL TIME MENTIONED IN THE AFFIDAVIT I HAVE HAD AND I STILL HAVE CHARGE OF ALL ADVERTISEMENTS AND NOTICES PUBLISHED IN SAID NEWSPAPER; THAT SAID LEGAL NOTICE OF WHICH THE ANNEXED IS A TRUE PRODUCTION COPY OF THE PRINTED PAGE IN WHICH THE ADVERTISEMENT WAS PUBLISHED IN THE ABOVE NAMED NEWSPAPER ON THE FOLLOWING DAYS TO WIT:

9/4/13 - C#535 D#1309-SP-1179

I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

SIGNED,

*Karina Morales*

CHIEF CLERK



## PUBLIC NOTICES

BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO  
CAUSE NO. 535

DOCKET NO. 1308-SF-1179

IN THE MATTER OF THE APPLICATION OF CARRIZO OIL AND GAS, INC., FOR AN ORDER TO VACATE AN APPROXIMATE 1280-ACRE DRILLING AND SPACING UNIT AND ESTABLISH AN APPROXIMATE 960-ACRE DRILLING AND SPACING UNIT AND APPROVE UP TO SIXTEEN HORIZONTAL WELLS WITHIN THE UNIT FOR SECTIONS 29 AND 32, TOWNSHIP 8 NORTH, RANGE 61 WEST, 6TH P.M. FOR THE NIOBRARA FORMATION, UNNAMED FIELD, WELD COUNTY, COLORADO

## NOTICE OF HEARING

TO ALL INTERESTED PARTIES AND TO WHOM IT MAY CONCERN:

On November 15, 2012, the Commission entered Order No. 535-221 which, among other things, established an approximate 1280-acre drilling and spacing unit, and approved up to two horizontal wells within the unit, for the production of oil, gas and associated hydrocarbons from the Niobrara Formation. Sections 29 and 32, Township 8 North, Range 61 West, 6th P.M. are subject to this Order for the Niobrara Formation.

On January 7, 2013, the Commission entered Order No. 535-241 which approved up to six horizontal wells within an approximate 1280-acre drilling and spacing unit for the production of oil, gas and associated hydrocarbons from the Niobrara Formation. Sections 29 and 32, Township 8 North, Range 61 West, 6th P.M. are subject to this Order for the Niobrara Formation.

On January 7, 2013, the Commission entered Order No. 535-256 which, among other things, pooled all interests in an approximate 1280-acre drilling and spacing unit established for Sections 29 and 32, Township 8 North, Range 61 West, 6th P.M. to accommodate up to six horizontal wells, including the Gaffney 1-32-8-61. Well, for the development and operation of the Niobrara Formation.

On July 18, 2013, Carrizo Oil & Gas, Inc. ("Carrizo" or "Applicant"), by its attorneys, filed with the Commission pursuant to §34-60-115 C.R.S., a verified application ("Application"), for an order to: 1) vacate Order Nos. 535-221, 535-241 and 535-256; and 2) establish an approximate 960-acre drilling and spacing unit for the below-described lands ("Application Lands"), and approve up to sixteen horizontal wells in the unit, for the production of oil, gas and associated hydrocarbons from the Niobrara Formation, with the treated interval of the horizontal wellbore to be located no closer than 300 feet from the unit boundaries, and no closer than 300 feet from the treated interval of any other wellbore located in the unit, without exception being granted by the Director:

**Township 8 North, Range 61 West, 6th P.M.**

Section 29: S/4

Section 32: All

The proposed wells shall be located on no more than one wellpad per quarter quarter section within the drilling and spacing unit.

NOTICE IS HEREBY GIVEN, pursuant to: 1) the general jurisdiction granted to the Oil and Gas Conservation Commission of the State of Colorado under §34-60-105 C.R.S.; 2) specific powers granted pursuant to §34-60-106 C.R.S.; 3) the State Administrative Procedures Act at §24-4-105 C.R.S.; and 4) the Commission's Series 500 Rules at 2 CCR 404-1, that the Commission has scheduled the above-entitled matter for hearing on:

Date: Monday, September 16, 2013

Tuesday, September 17, 2013

Time: 9:00 a.m.

Place: Colorado Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203

In accordance with the Americans with Disabilities Act, if any party requires special accommodations as a result of a disability for this hearing, please contact Margaret Humecki at (303) 894-2100 ext. 5139, prior to the hearing and arrangements will be made.

Pursuant to said hearing in the above-entitled matter at the time and place aforesaid, or at any adjourned meeting, the Commission will enter such orders as it deems appropriate to protect the health, safety and welfare of the public and to prevent the waste of oil and gas, either or both, in the operations of said field, and to carry out the purposes of the statute.

In accordance with Rule 509, any interested party desiring to protest the granting of the application or to intervene on the application should file with the Commission a written protest or intervention no later than August 30, 2013, briefly stating the basis of the protest or intervention. Such interested party shall, at the same time, serve a copy of the protest or intervention to the person filing the application. One electronic (cogcc.hearings\_unit@state.co.us), one original and two copies shall be filed with the Commission. Anyone who files a protest or intervention must be able to participate in a prehearing conference during the week of September 3, 2013. Pursuant to Rule 503.g., if a party who has received notice under Rule 503.b. wishes to receive further pleadings in the above-referenced matter, that party must file a protest or intervention in accordance with these rules. In accordance with the practices of the Commission, should no protests or interventions be filed in this matter by August 30, 2013, the Applicant may request that an administrative hearing be scheduled beginning September 3, 2013. In the alternative, pursuant to Rule 511, if the matter is uncontested, the applicant may request, and the Director may recommend approval on the basis of the merits of the verified application and the supporting exhibits.

OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

By

Robert J. Friok, Secretary

Dated: August 22, 2013  
Colorado Oil and Gas Conservation  
Commission  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203  
Website: <http://cogcc.state.co.us>  
Phone: (303) 894-2100  
Fax: (303) 894-2109

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BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO  
CAUSE NO. 535

DOCKET NO. 1308-SF-1163

IN THE MATTER OF THE APPLICATION OF CARRIZO OIL AND GAS, INC., FOR AN ORDER TO VACATE AN APPROXIMATE 640-ACRE DRILLING AND SPACING UNIT AND ESTABLISH AN APPROXIMATE 960-ACRE DRILLING AND SPACING UNIT FOR SECTIONS 4 AND 9, TOWNSHIP 10 NORTH, RANGE 57 WEST, 6TH P.M. FOR THE NIOBRARA FORMATION, UNNAMED FIELD, WELD COUNTY, COLORADO

## NOTICE OF HEARING

TO ALL INTERESTED PARTIES AND TO WHOM IT MAY CONCERN:

Rule 318.a. of the Rules and Regulations of the Oil and Gas Conservation Commission requires that, on unspaced lands, wells drilled in excess of 2,500 feet in depth be located not less than 600 feet from any lease line, and located not less than 1,200 feet from any other producible or drilling oil or gas well when drilling to the same common source of supply. Section 4, Township 10 North, Range 57 West, 6th P.M. is subject to this Rule for the Niobrara Formation.

On June 17, 2013, the Commission entered Order No. 535-355 which established an approximate 640-acre drilling and spacing unit and approved up to thirteen horizontal wells within the unit, for the production of oil, gas and associated hydrocarbons from the Niobrara Formation. Section 9, Township 10 North, Range 57 West, 6th P.M. is subject to this Order for the Niobrara Formation.

On July 18, 2013 Carrizo Oil and Gas, Inc. ("Carrizo" or "Applicant"), by its attorneys, filed with the Commission pursuant to §34-60-115 C.R.S., a verified application ("Application"), for an order to: 1) vacate Order No. 535-355 as it applies to Section 9, Township 10 North, Range 57 West, 6th P.M.; and 2) establish a 960-acre drilling and spacing unit for the below-described lands ("Application Lands") and approve up to sixteen horizontal wells within the unit, for the production of oil, gas and associated hydrocarbons from the Niobrara Formation, with the treated interval of the horizontal wellbore to be located no closer than 300 feet from the unit boundaries, and no closer than 300 feet from the treated interval of any other wellbore located in the unit, without exception being granted by the Director:

**Township 10 North, Range 57 West, 6th P.M.**

Section 4: S/4

Section 9: All

NOTICE IS HEREBY GIVEN, pursuant to: 1) the general jurisdiction granted to the Oil and Gas Conservation Commission of the State of Colorado under §34-60-105 C.R.S.; 2) specific powers granted pursuant to §34-60-106 C.R.S.; 3) the State Administrative Procedures Act at §24-4-105 C.R.S.; and 4) the Commission's Series 500 Rules at 2 CCR 404-1, that the Commission has scheduled the above-entitled matter for hearing on:

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In accordance with the Americans with Disabilities Act, if any party requires special accommodations as a result of a disability for this hearing, please contact Margaret Humecki at (303) 894-2100 ext. 5139, prior to the hearing and arrangements will be made.

Pursuant to said hearing in the above-entitled matter at the time and place aforesaid, or at any adjourned meeting, the Commission will enter such orders as it deems appropriate to protect the health, safety and welfare of the public and to prevent the waste of oil and gas, either or both, in the operations of said field, and to carry out the purposes of the statute.

In accordance with Rule 509, any interested party desiring to protest the granting of the application or to intervene on the application should file with the Commission a written protest or intervention no later than August 30, 2013, briefly stating the basis of the protest or intervention. Such interested party shall, at the same time, serve a copy of the protest or intervention to the person filing the application. One electronic (cogcc.hearings\_unit@state.co.us), one original and two copies shall be filed with the Commission. Anyone who files a protest or intervention must be able to participate in a prehearing conference during the week of September 3, 2013. Pursuant to Rule 503.g., if a party who has received notice under Rule 503.b. wishes to receive further pleadings in the above-referenced matter, that party must file a protest or intervention in accordance with these rules. In accordance with the practices of the Commission, should no protests or interventions be filed in this matter by August 30, 2013, the Applicant may request that an administrative hearing be scheduled beginning September 3, 2013. In the alternative, pursuant to Rule 511, if the matter is uncontested, the applicant may request, and the Director may recommend approval on the basis of the merits of the verified application and the supporting exhibits.

OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

By

Robert J. Friok, Secretary

Dated: August 22, 2013  
Colorado Oil and Gas Conservation  
Commission  
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