

**D. K. BOYD Oil and Gas Co., Inc.**

P.O. Box 11351  
Midland, Texas 79702  
(915) 685-1022

DHC  
OIL CONSERVATION DIVISION  
RECEIVED

10/9/96

1375

1996 SEP 19 AM 8 52

September 17, 1996

Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Attention: Mr. Ben Stone

Re: Form C-107-A  
Application for Downhole  
Commingling, Littman 8  
Federal #1, Lea County, New  
Mexico

Dear Mr. Stone,

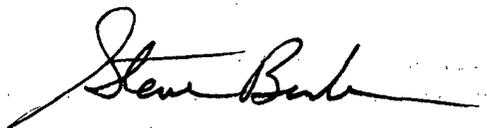
Enclosed is the Form C-107-A, Application for Downhole Commingling, on the Littman 8 Federal #1, located 1960' FWL, 697' FSL Section 8, T-21-S, R-38-E, Lea County, New Mexico. As we discussed on the phone today, the well is currently producing from the San Andres formation out of the Littman San Andres Field and we have not yet tested or completed the well in the Seven Rivers formation. Based on our review of the area there are no offsetting Seven Rivers wells to base estimates of Bottomhole Pressure or BTU Content. Therefore, we request approval of this application with allocation, etc. open subject to completion of the well in the Seven Rivers zone.

As we discussed, we would like to begin testing the Seven Rivers formation as soon as possible. Upon completion of your review please provide us with verbal permission to begin operations.

Attached to this application are two C-102 forms on the Littman 8 Federal #1, and a statement showing that the offset operator, Elliott Oil Company, has been given written notification of our plans to commingle. Thank you for processing this request and please call us if you have any questions.

Very truly yours,

D. K. BOYD Oil and Gas Co., Inc.



Steve Burke  
Land Manager

SPB:spb  
ENCL.

**D. K. BOYD Oil and Gas Co., Inc.**

P.O. Box 11351  
Midland, Texas 79702  
(915) 685-1022

September 17, 1996

Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Attention: Mr. Ben Stone

Re: Statement regarding  
Form C-107-A  
Application for Downhole  
Commingling, Littman 8  
Federal #1, Lea County, New  
Mexico

Dear Mr. Stone,

The only offset operator to our proposed commingling in the Littman 8 Federal #1, located 1960' FWL, 697' FSL Section 8, T-21-S, R-38-E, Lea County, New Mexico is Elliott Oil Company, P.O. Box 1355, Roswell, New Mexico. We have furnished written notification to Steve Elliott of Elliott Oil Company of our plans to commingle the San Andres and Seven Rivers formations in said well.

Very truly yours,

D. K. BOYD Oil and Gas Co., Inc.



Steve Burke

Land Manager

SPB:spb

ENCL.

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88241-1980

**DISTRICT II**

811 South First St., Artesia, NM 88210-2835

**DISTRICT III**

1000 Rio Grande Rd, Aztec, NM 87410-1693

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-A  
New 3-12-96

**OIL CONSERVATION DIVISION**

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

Administrative  Hearing

EXISTING WELLBORE

YES  NO

**APPLICATION FOR DOWNHOLE COMMINGLING**

D K BOYD OIL AND GAS CO INC PO BOX 11351, MIDLAND, TEXAS 79702

Operator: LITTMAN 8 FEDERAL 1 N 8 21S 38E LEA  
Address: N 8 21S 38E LEA  
Lease: Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 153107 Property Code 18740 API NO. 30-025-33347 Federal  State  (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	WILDCAT-SEVEN RIVERS		LITTMAN SAN ANDRES 39330
2. Top and Bottom of Pay Section (Perforations)	3138' - 3168'		4299' - 4309'
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		ARTIFICIAL LIFT
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) SUBJECT TO COMPLETION	a.	a. 820 psi
	b. (Original) SUBJECT TO COMPLETION	b.	b. 1122 psi
6. Oil Gravity (°API) or Gas BTU Content			1158 psi
7. Producing or Shut-In?	SUBJECT TO COMPLETION		PRODUCING
Production Marginal? (yes or no)	NO		NO
* If Shut-in, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: Rates:
	Date: Rates:	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	SUBJECT TO COMPLETION Oil: % Gas: %	Oil: % Gas: %	SUBJECT TO COMPLETION Oil: % Gas: %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones?  Yes  No  
If not, have all working, overriding, and royalty interests been notified by certified mail?  Yes  No  
Have all offset operators been given written notice of the proposed downhole commingling?  Yes  No
11. Will cross-flow occur?  Yes  No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable.  Yes  No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other?  Yes  No
13. Will the value of production be decreased by commingling?  Yes  No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application.  Yes  No
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). \_\_\_\_\_
16. ATTACHMENTS:  
 \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.  
 \* Production curve for each zone for at least one year. (If not available, attach explanation.)  
 \* For zones with no production history, estimated production rates and supporting data.  
 \* Data to support allocation method or formula.  
 \* Notification list of all offset operators.  
 \* Notification list of working, overriding, and royalty interests for uncommon interest cases.  
 \* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Operations Manager DATE 9/17/96  
TYPE OR PRINT NAME D. K. Boyd TELEPHONE NO. ( 915 ) 685-1022

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

Form C-102  
 Revised October 18, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-33347		2 Pool Code		3 Pool Name Wildcat - Seven Rivers	
4 Property Code 18740		5 Property Name Littman 8 Fed			6 Well Number 1
7 OGRID No. 153107		8 Operator Name D. K. BOYD Oil and Gas Co., Inc.			9 Elevation 3572'

10 Surface Location

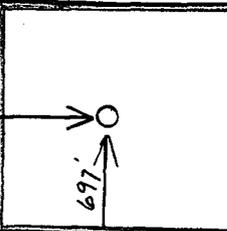
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	21S	38E		697	South	1960	West	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Same									

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief		
				 Signature D. K. Boyd		
				Printed Name Operations Manager		
				Title 8/16/96 Date		
				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.		
				Date of Survey		
				Signature and Seal of Professional Surveyer:		
1960'						
				Certificate Number		

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

Form C-102  
 Revised October 18, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-33347		<sup>2</sup> Pool Code 39330		<sup>3</sup> Pool Name Littman San Andres	
<sup>4</sup> Property Code 18740		<sup>5</sup> Property Name Littman 8 Fed			<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 153107		<sup>8</sup> Operator Name D. K. BOYD Oil and Gas Co., Inc.			<sup>9</sup> Elevation 3572'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	21S	38E		697	South	1960	West	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Same									

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p>  <p>Signature D. K. Boyd</p> <p>Printed Name Operations Manager</p> <p>Title 8/16/96</p> <p>Date</p>
				<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p> <p>Certificate Number</p>	

