

10/16/03 11/05/03 DHC WVS

PLR0329029466 JNS



**POGO PRODUCING COMPANY**

**RECEIVED**

October 14, 2003

OCT 16 2003

**OIL CONSERVATION  
DIVISION**

New Mexico Oil Conservation Division  
Attn: Mr. David Catanach  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Application for Administrative Approval  
for Downhole Commingling  
S. J. Carr #5  
555' FSL & 2085' FWL,  
Section 10, T24S, R37E,  
Lea County, New Mexico

Gentlemen:

Pogo Producing Company hereby respectfully submits Form C-107A, along with attachments, in connection with Pogo's request for Administrative Approval to downhole commingle production from the captioned well. A copy of this application along with all attachments has been sent to the New Mexico Oil Conservation Division's District office in Hobbs, New Mexico.

If you have any questions regarding this matter, please contact Mr. Mark Kelly in this office at (432)685-8100.

Sincerely,

**POGO PRODUCING COMPANY**

Cathy Wright  
Sr. Operation Tech

Enclosures

District I  
1625 N. French Dr., Hobbs, NM 88240  
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

Form C-102  
Revised August 15, 2000

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-11084		2 Pool Code 26680		3 Pool Name Fowler Upper Yeso	
4 Property Code 14925		5 Property Name S. J. Carr			6 Well Number 5
7 OGRID No. 000962		8 Operator Name Arch Petroleum Inc.			9 Elevation 3252'

10 Surface Location

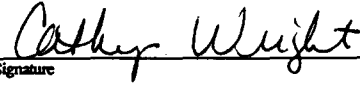
UL or lot no. N	Section 10	Township 24S	Range 37E	Lot Idn	Feet from the 555	North/South line South	Feet from the 2085	East/West line West	County Lea
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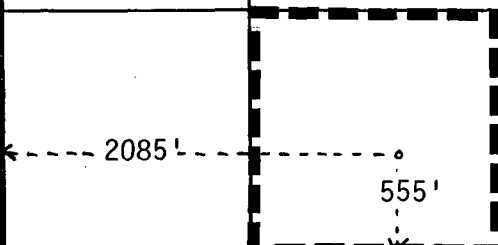
11 Bottom Hole Location If Different From Surface

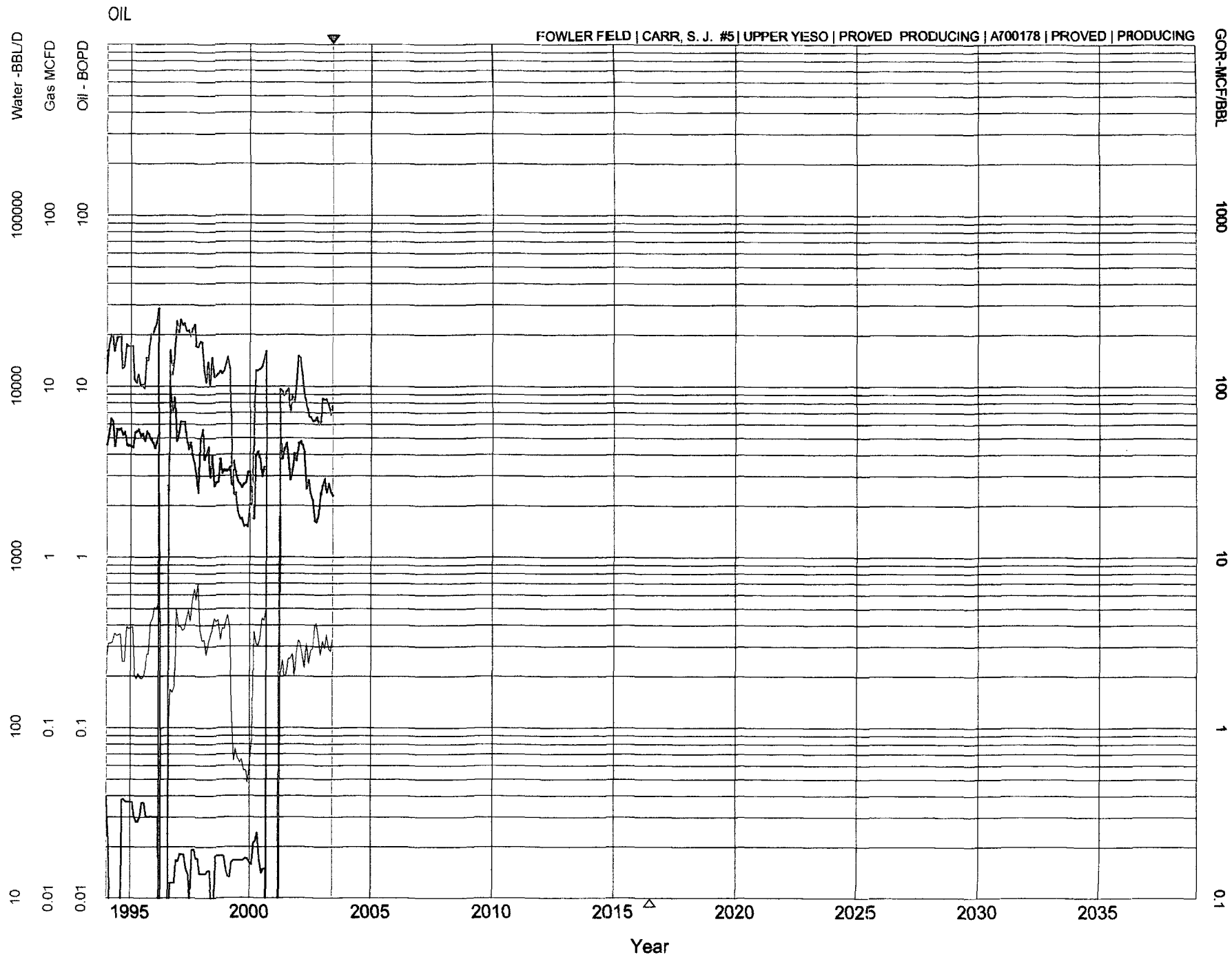
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE 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 Cathy Wright Printed Name Sr. Operation Tech Title 09/23/03 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 Surveyor:  Certificate Number





**District I**  
**1625 N. French Dr., Hobbs, NM 88240**

**State of New Mexico**  
**Energy, Minerals & Natural Resources Department**

Form C-102  
Revised August 15, 2000

**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 875

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

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**State Lease - 4 Copies**  
**Fee Lease - 3 Copies**

☐ **AMENDED REPORT**

# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
30-025-11084			Wildcat Tubb
<sup>4</sup> Property Code	<sup>5</sup> Property Name		<sup>6</sup> Well Number
14925	S. J. Carr		5
<sup>7</sup> OGRID No.	<sup>8</sup> Operator Name		<sup>9</sup> Elevation
000962	Arch Petroleum Inc.		3252'

## <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	10	24S	37E		555	South	2085	West	Lea

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

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
40			

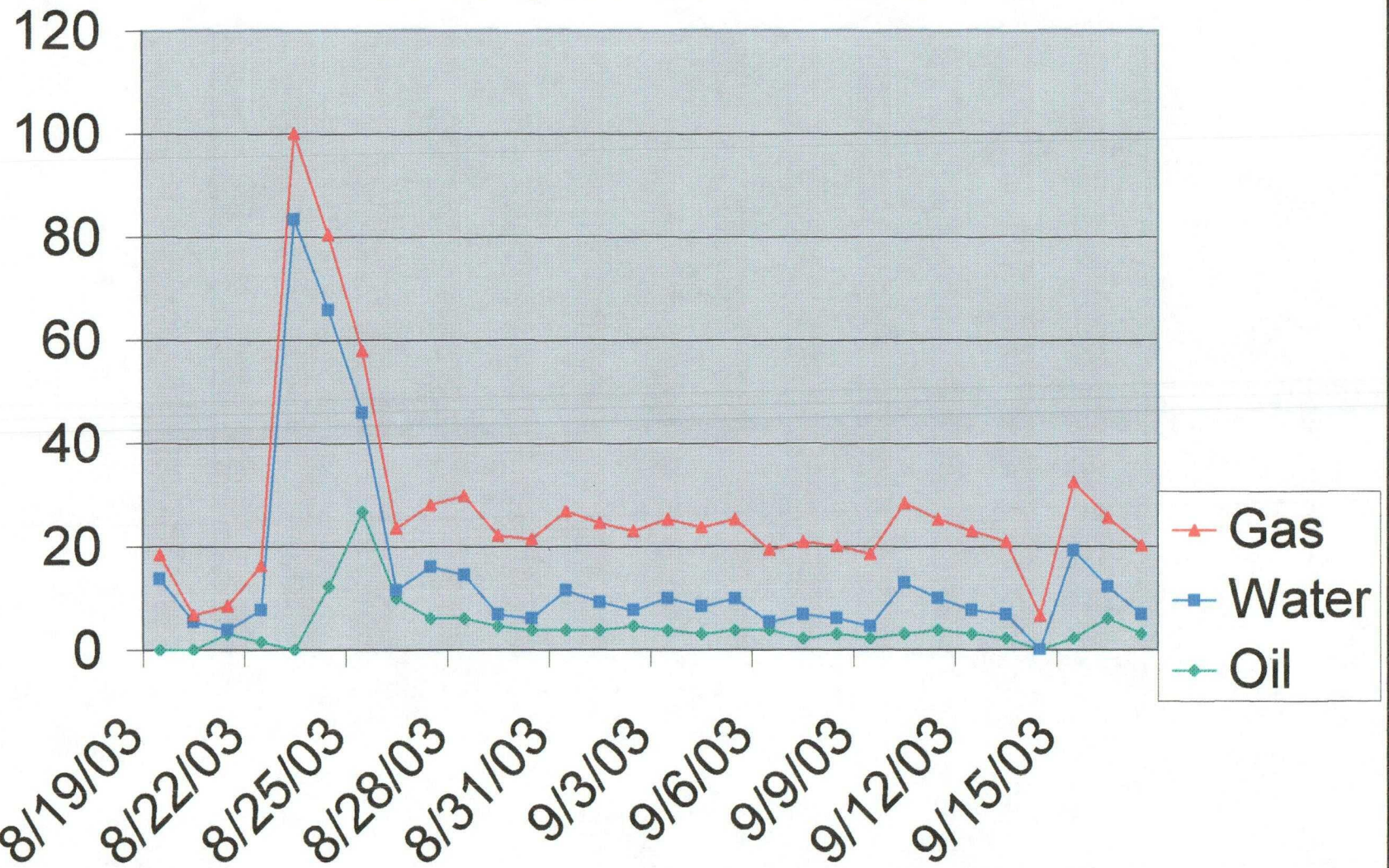
**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

<div data-bbox="53 926 293 1169">16</div>				<div data-bbox="1010 926 1515 1169">17</div> <div data-bbox="1010 934 1515 963"><b>OPERATOR CERTIFICATION</b></div> <div data-bbox="1010 963 1515 1033"><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></div> <div data-bbox="1010 1033 1515 1110"><div data-bbox="1010 1033 1515 1110"><i>Cathy Wright</i></div><div data-bbox="1010 1092 1515 1110">Signature</div></div> <div data-bbox="1010 1110 1515 1169"><div data-bbox="1010 1110 1515 1169">Cathy Wright</div><div data-bbox="1010 1159 1515 1169">Printed Name</div></div>
				<div data-bbox="1010 1169 1515 1402">Sr. Operation Tech</div> <div data-bbox="1010 1247 1515 1266">Title</div>
				<div data-bbox="1010 1402 1515 1635">09/23/03</div> <div data-bbox="1010 1383 1515 1402">Date</div>
<div data-bbox="53 1635 293 1877">← 2085'</div>	<div data-bbox="293 1635 532 1877"><div data-bbox="293 1635 532 1877">555'</div></div>			<div data-bbox="1010 1635 1515 1877">18</div> <div data-bbox="1010 1646 1515 1675"><b>SURVEYOR CERTIFICATION</b></div> <div data-bbox="1010 1675 1515 1743"><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></div> <div data-bbox="1010 1743 1515 1877"><div data-bbox="1010 1743 1515 1877">Date of Survey</div><div data-bbox="1010 1791 1515 1877">Signature and Seal of Professional Surveyor:</div><div data-bbox="1010 1839 1515 1877">Certificate Number</div></div>

## S.J. Carr #5

Date	Tubb Oil	Water	Gas
08/19/03	0	14	5
08/20/03	0	5	1
08/21/03	3	1	5
08/22/03	2	6	9
08/23/03	0	83	17
08/24/03	12	54	15
08/25/03	27	19	12
08/26/03	10	2	12
08/27/03	6	10	12
08/28/03	6	8	15
08/29/03	5	2	15
08/30/03	4	2	15
08/31/03	4	8	15
09/01/03	4	5	15
09/02/03	5	3	15
09/03/03	4	6	15
09/04/03	3	5	15
09/05/03	4	6	15
09/06/03	4	2	14
09/07/03	2	5	14
09/08/03	3	3	14
09/09/03	2	2	14
09/10/03	3	10	15
09/11/03	4	6	15
09/12/03	3	5	15
09/13/03	2	5	14
09/14/03	0	0	7
09/15/03	2	17	13
09/16/03	6	6	13
09/17/03	3	4	13

## S. J. Carr #5 - Tubb



District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

Oil Conservation Division

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Arch Petroleum Inc. P. O. Box 10340, Midland, TX 79702-7340

Operator Address

S. J. Carr 5 N, Sec. 10, T24S, R37E Lea

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 000962 Property Code 14925 API No. 30-025-11084 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Fowler Upper Yeso <input checked="" type="checkbox"/>	Wildcat Tubb <input checked="" type="checkbox"/>	Fowler Abo <input checked="" type="checkbox"/>
Pool Code	26680		96574
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5185-5649 (0A)	6006-6023	6544-6574
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	150	450	
Oil Gravity or Gas BTU (Degree API or Gas BTU)	36.7	36.5	
Producing, Shut-In or New Zone	Producing	New Zone	Squeezed
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.)	Date: 07/12/03 Rates: 4 BO, 11 BW 9 MCF	Date: 08/26/03 Rates: 13 BO, 2 BW 18 MCF	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 23.5 % 33.3 %	Oil Gas 76.5 % 66.7 %	Oil Gas % %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐

If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

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 working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools

List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.

Bottomhole pressure data.

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

SIGNATURE Cathy Wright TITLE Sr. Operation Tech DATE 09/23/03

TYPE OR PRINT NAME Cathy Wright TELEPHONE NO. ( 432 ) 685-8100

E-MAIL ADDRESS tomberli@pogoproducing.com