

10/16/03 11/05/03 DHC WUS

PLR0329029466 JNS



POGO PRODUCING COMPANY

RECEIVED

OCT 16 2003

**OIL CONSERVATION
DIVISION**

October 14, 2003

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.	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

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

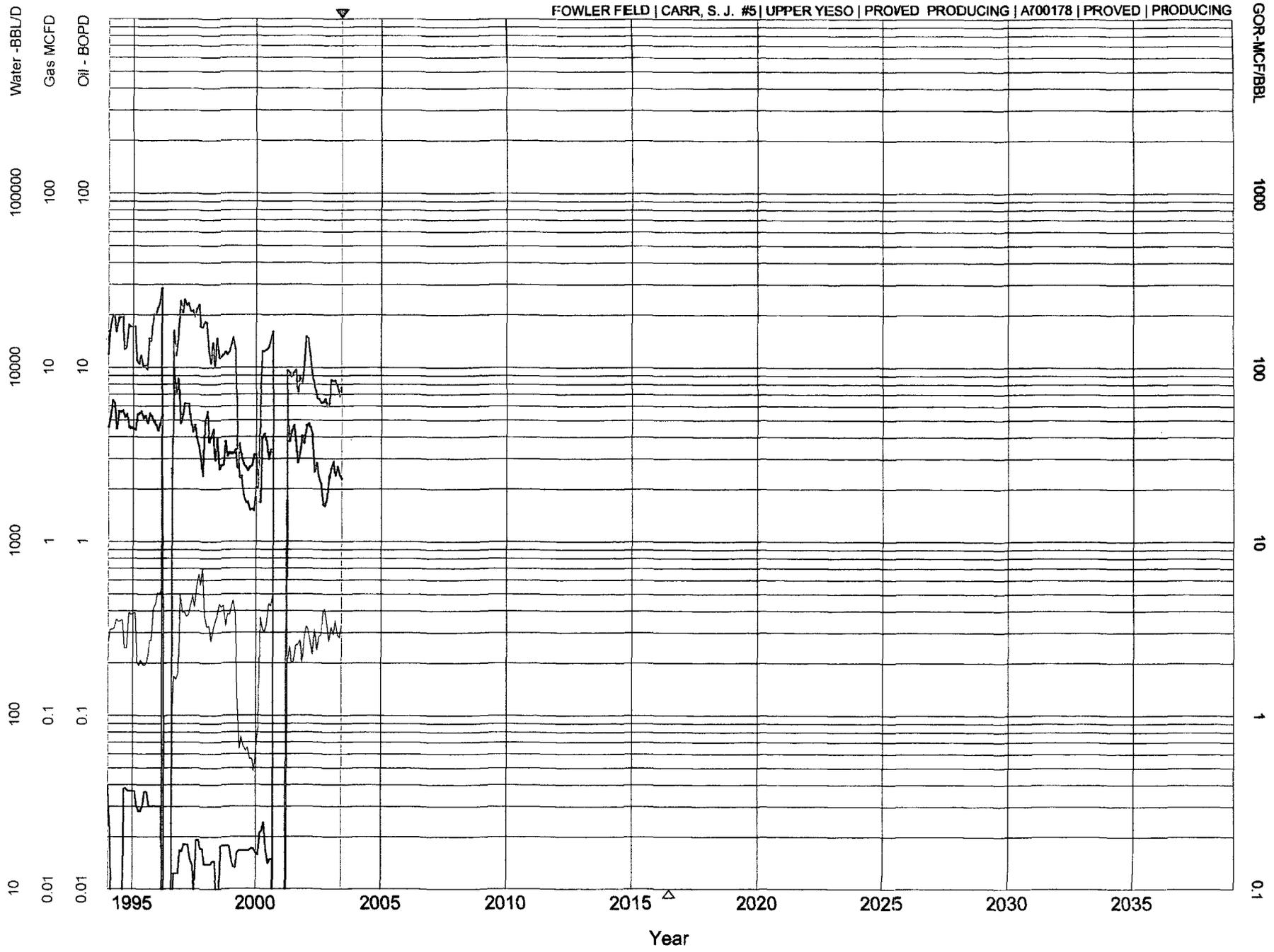
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Cathy Wright Printed Name Sr. Operation Tech Title 09/23/03 Date		
	¹⁸ SURVEYOR CERTIFICATION <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> Date of Survey Signature and Seal of Professional Surveyor:		
	Certificate Number		

OIL

FOWLER FIELD | CARR, S. J. #5 | UPPER YESO | PROVED PRODUCING | A700178 | PROVED | PRODUCING



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

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Santa Fe, NM 87505

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District IV
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11084		² Pool Code		³ Pool Name Wildcat Tubb	
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

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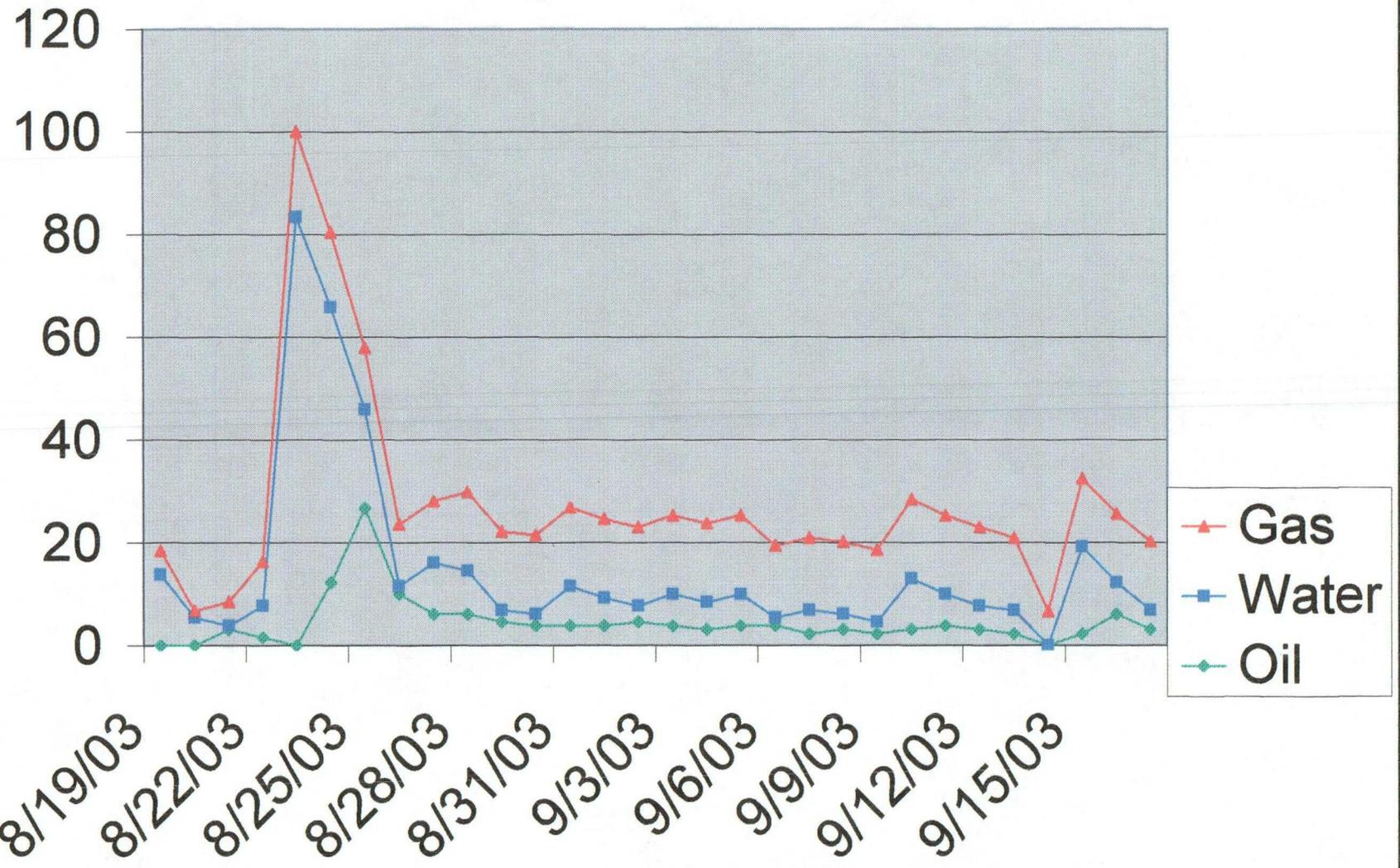
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	Certificate Number		

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



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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

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

Lease S. J. Carr Well No. 5 Unit Letter-Section-Township-Range N, Sec. 10, T24S, R37E County Lea

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 <i>oil</i> ✓	Wildcat Tubb <i>oil</i> ✓	Fowler Abo <i>North oil</i> ✓
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 23.5% Gas 33.3%	Oil 76.5% Gas 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