

devon
ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

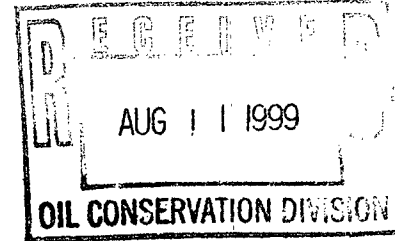
Candace R. Graham
(405) 552-4520

August 6, 1999

Certified Mail No. Z 068 589 394

STATE OF NEW MEXICO

Energy, Minerals and Natural Resources Dept.
Oil Conservation Division, District II
2040 South Pacheco
Santa Fe, NM 87505



2446

RE: Application for Downhole Commingling
API 30-015-20298
Todd "14K" Federal #1
Section 14-T23S-R31E
Eddy County, New Mexico

Gentlemen:

Concerning the referenced, Devon Energy Corporation (Nevada) requests administrative approval for an exception to Rule 303-A to permit the downhole commingling of production from James Ranch (Bone Spring), East and Wildcat (Wolfcamp) pools. As per Rule 303-D, enclosed please find Form C-107-A, Application for Downhole Commingling, with attachments.

Please direct inquiries concerning this matter to Wally Frank, District Engineer, in our Oklahoma City office at (405) 235-3611, X4595.

Yours truly,

DEVON ENERGY CORPORATION (NEVADA)

Candace R. Graham

Candace R. Graham
Engineering Tech.

/cg

Enclosures

copy: NMOCD in Artesia, NM (Certified Mail No. Z 068 589 395)
BLM in Roswell, NM (Certified Mail No. Z 068 589 396)
file, engineer, foreman, area interest owners

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
AUG 11 1999
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429
APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
Revised March 17, 1999
APPROVAL PROCESS:
☒ Administrative ☐ Hearing
EXISTING WELLBORE
☒ YES ☐ NO

DEVON ENERGY CORPORATION (NEVADA), 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102

Operator Address
TODD "14K" FEDERAL #1 K-14-23S-31E Eddy
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

OGRID NO. 6137 Property Code 3507 API NO. 30-015-20298
Spacing Unit Lease Types: (check 1 or more)
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	James Ranch (Bone Spring), East 96919		Wildcat (Wolfcamp)
2. Top and Bottom of Pay Section (Perforations)	10,800-11,597'		11,734-11,782'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificail Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 2400 psi b. (Original)	a. b.	a. 2800 psi b.
6. Oil Gravity (^o API) or Gas BTU Content	42 ^o		42 ^o estimated
7. Producing or Shut-In?	Producing		Shut in
Production Marginal? (yes or no)	Yes		Yes
* 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: 07-23-1999 Rates: 8 / 25 / 0 BO MCF BW	Date: Rates:	Date: 01/ 8-10 /1999 swab Rates: 36 / 25 / 36 BO MCF BW
See attachment 8(A) 8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: 22 % Gas: 44 %	Oil: % Gas: %	Oil: 78 % Gas: 56 %

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:
A* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
B* Production curve for each zone for at least one year. (If not available, attach explanation.)
C* For zones with no production history, estimated production rates and supporting data.
D* Data to support allocation method or formula.
E* Notification list of all offset operators.
N/A Notification list of working, overriding, and royalty interests for uncommon interest cases.
D* 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 Candace R. Graham TITLE Engr. Tech. DATE 08-06-1999

TYPE OR PRINT NAME Candace R. Graham TELEPHONE NO. (405) 235-3611 X4520

Devon Energy Corporation (Nevada)
 Todd "14K" Federal #1
 Eddy County, New Mexico
 Downhole Commingling 8/6/1999
 ATTACHMENT #8 (A)

Production Allocation

Pool	BOPD	MCFGD	BWPD	Test Method
Travis (Wolfcamp)	36	25	36	ESTIMATE
Travis (Bone Spring)	<u>10</u>	<u>20</u>	<u>7</u>	PUMP TEST
Total	46	45	43	

Allocated Percentages (Post workover utilizing above production)

Pool	Oil%	Gas%	Water%
Travis (Wolfcamp)	78	56	84
Travis (Bone Spring)	<u>22</u>	<u>44</u>	<u>16</u>
Total	100	100	100

Todd 14K-1 (8/1999) C107A

Devon Energy Corporation (Nevada)

Todd "14K" Federal #1

Eddy County, New Mexico

Downhole Commingling 8/6/1999

ATTACHMENT #14 (A)

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also
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extr1.
2. L

Consult postmaster for fee.

3. Article Addressed to:

NM OIL CONSERVATION DIV
2040 SOUTH PACHECO
SANTA FE NM 87505

4a. Article Number

Z 068 589 394

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested
and fee is paid)

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

102595-98-B-0229

Domestic Return Receipt

Thank you for using Return Receipt S

Todd 14K-1 (8/1999) C107A

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SENDER:

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I also wish to receive the
following services (for an
extra fee):

1. ☐ Addressee's Address
 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

NM OIL CONSERVATION DIV
DISTRICT II
811 SOUTH FIRST
ARTESIA NM 88210-2834

4a. Article Number

Z 068 589 395

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

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Todd 14K-1 (8/1999) C107A

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extra fee):

1. ☐ Addressee's Address
 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

BUREAU OF LAND MNGT
2909 WEST SECOND ST
ROSWELL NM 88201

4a. Article Number

Z 068 589 396

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

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PS Form 3811, December 1994

102595-98-B-0229

Domestic Return Receipt

Thank you for using Return Receipt Service.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (A)

Form C-102
Supersedes C-128
Effective 1-1-85

DEVON ENERGY CORPORATION

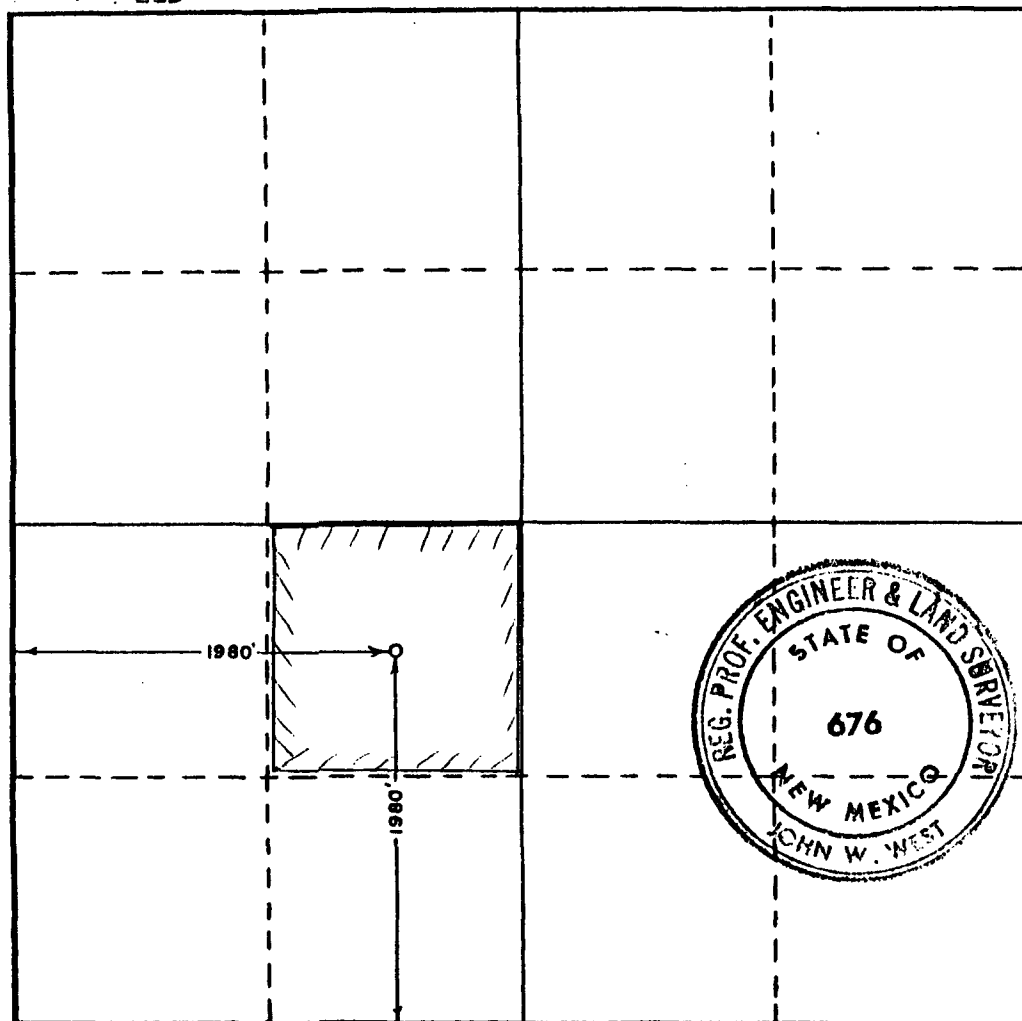
Operator TEXAS AMERICAN OIL CORP. (NEVADA)		Lease TODD FEDERAL		Well No. 1
Unit Letter K	Section 14	Township 23 SOUTH	Range 31 EAST	County EDDY
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the WEST line				
Ground Level Elev. 3484'	Producing Formation DEVONIAN	Pool JAMES RANCH (BONE SPRING), EAST	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Pursuant to joint operating Agreement

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Roy K. Valla
Name

Roy K. Valla

Position

Production Manager

Company

Texas American Oil Corp

Date

April 3, 1970

RECEIVED
APR 6 - 1970
I hereby certify that the information shown on this plat was plotted from field notes of actual surveys made by me or under my supervision. The same is true and correct to the best of my knowledge and belief.
V. K. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Date Surveyed

APRIL 1, 1970

Registered Professional Engineer and/or Land Surveyor

John W West
Certificate No. 676



NO. MEXICO OIL CONSERVATION CO
WELL LOCATION AND ACREAGE DEDIC

Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (A)

Form C-102
Supersedes C-128
Effective 1-4-85

DEVON ENERGY CORPORATION

All distances must be from the outer boundaries of

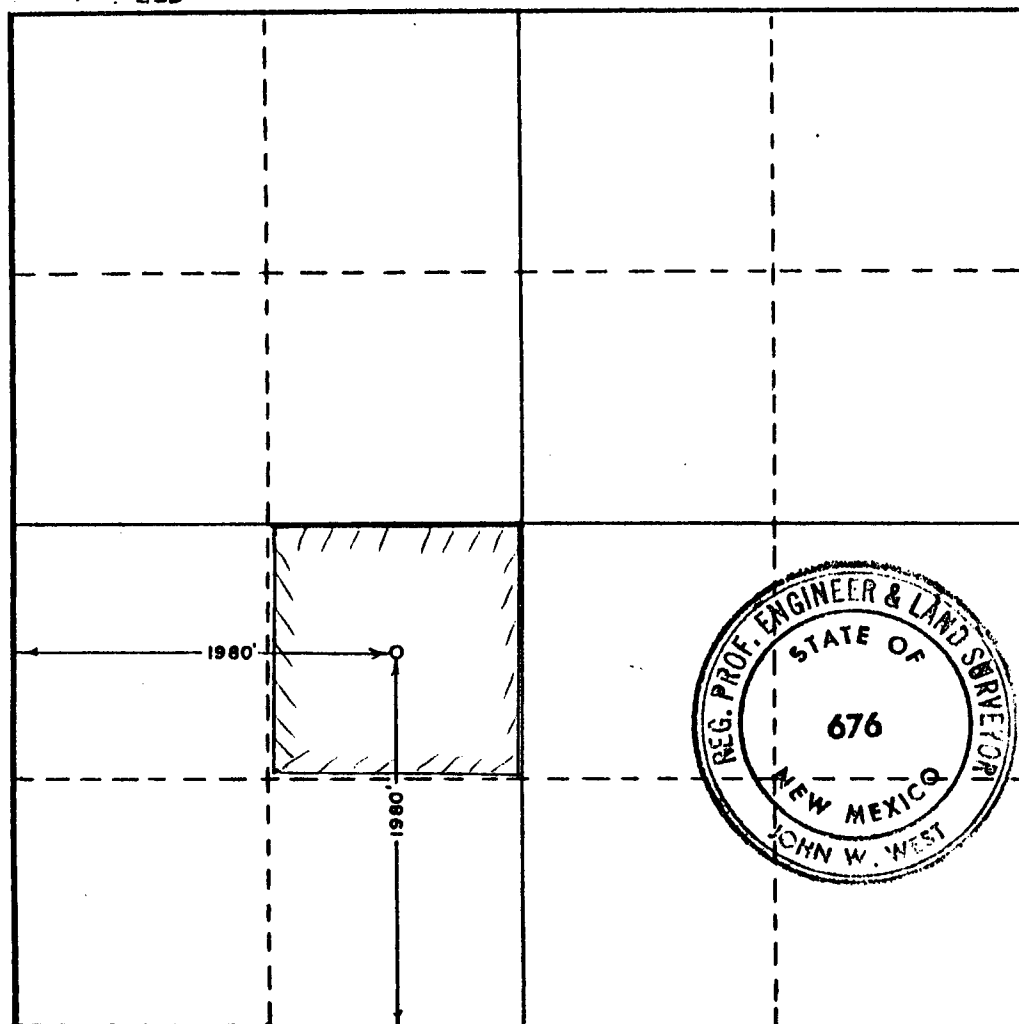
Operator TEXAS AMERICAN OIL CORP. (NEVADA)		Lease TODD "14" FEDERAL		Well No. 1
Unit Letter K	Section 14	Township 23 SOUTH	Range 31 EAST	County EDDY
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the WEST line				
Ground Level Elev. 3484'	Producing Formation DEVONIAN	Pool WILDCAT WILDCAT (WOLFCAMP)	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Pursuant to joint operating Agreement

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Roy K. Valla

Name
Roy K. Valla

Position
Production Manager

Company
Texas American Oil Corp

Date
April 3, 1970

RECEIVED
APR 6 1970
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Date Surveyed
APRIL 1, 1970

Registered Professional Engineer
and/or Land Surveyor

John W West

Certificate No.
676

Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (B)

Attach production curves for each zone for at least one year. (If not available, attach explanation.)

Attached is the Bone Spring production curve for the Todd "14K" Federal #1, which had initial production on 2/3/1999. This well produces into a single well battery at the Todd "14K" Federal #1 well site. The Bone Spring production graph that is attached illustrates the marginal production rates from the Bone Spring zone. DEC plans to allocate production by assuming any incremental production gain realized after the commingle of the Bone Spring and Wolfcamp would come from the Wolfcamp. Attached is an estimated Wolfcamp production graph for two years along with the corresponding tabular information. The decline rate for the first year is the same James Ranch Unit (Wolfcamp) wells which produce in Section 6 of the same township and range. The decline rate estimated during the second year is exactly one half of the previous year.

For zones with no production history, estimated production rates and supporting data.

DEC's estimated initial production rate for the Wolfcamp is based upon swab tests performed during recompletion activities. Both the Wolfcamp and Bone Spring are currently downhole commingled in five of the Bass Enterprises, Section 6, T23S, R31E, James Ranch Unit wells and are geologically correlative to the intervals being proposed for downhole commingle in the Todd "14K" Federal #1. Attached is a summary graph of the production from the five (#17, 30, 65, 73, & 76) James Ranch Unit wells. The decline for each product curve has been calculated and used as the basis for the projected decline curve of the Wolfcamp in the Todd 14-1. The decline rate for the first year of estimated Wolfcamp production is the same as the James Ranch Unit (Wolfcamp) wells. The estimated decline rate for the second year is one half that of the first.

Data to support allocation method or formula.

The attached spreadsheet printout of well tests from the Todd "14K" Federal #1 provides a good history of the Bone Spring production. This data indicates a fairly consistent production rate. Once commingled, the incremental production of the well will be allocated to the Wolfcamp with the remaining production being allocated to the Bone Spring.

Devon Energy Corporation (Nevada)

Todd "14K" Federal #1

Eddy Cnty, NM

Bone Spring - Actual Production

	OIL	GAS	WTR
Feb, 1999	139	577	1208
Mar, 1999	168	330	724
Apr, 1999	193	552	696
May, 1999	630	1796	283
June, 1999	218	783	262
July, 1999	300	648	203

Devon Energy Corporation (Nevada)

Todd "14K" Federal #1

Eddy County, New Mexico

Downhole Commingling 8/6/1999

ATTACHMENT #16 (B)

Devon Energy Corporation (Nevada)
 Todd "14K" Federal #1
 Eddy County, New Mexico
 Downhole Commingling 8/6/1999
 ATTACHMENT #16 (B)

Todd 14 "K" Federal #1 (Bone Spring) Production



Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (B)

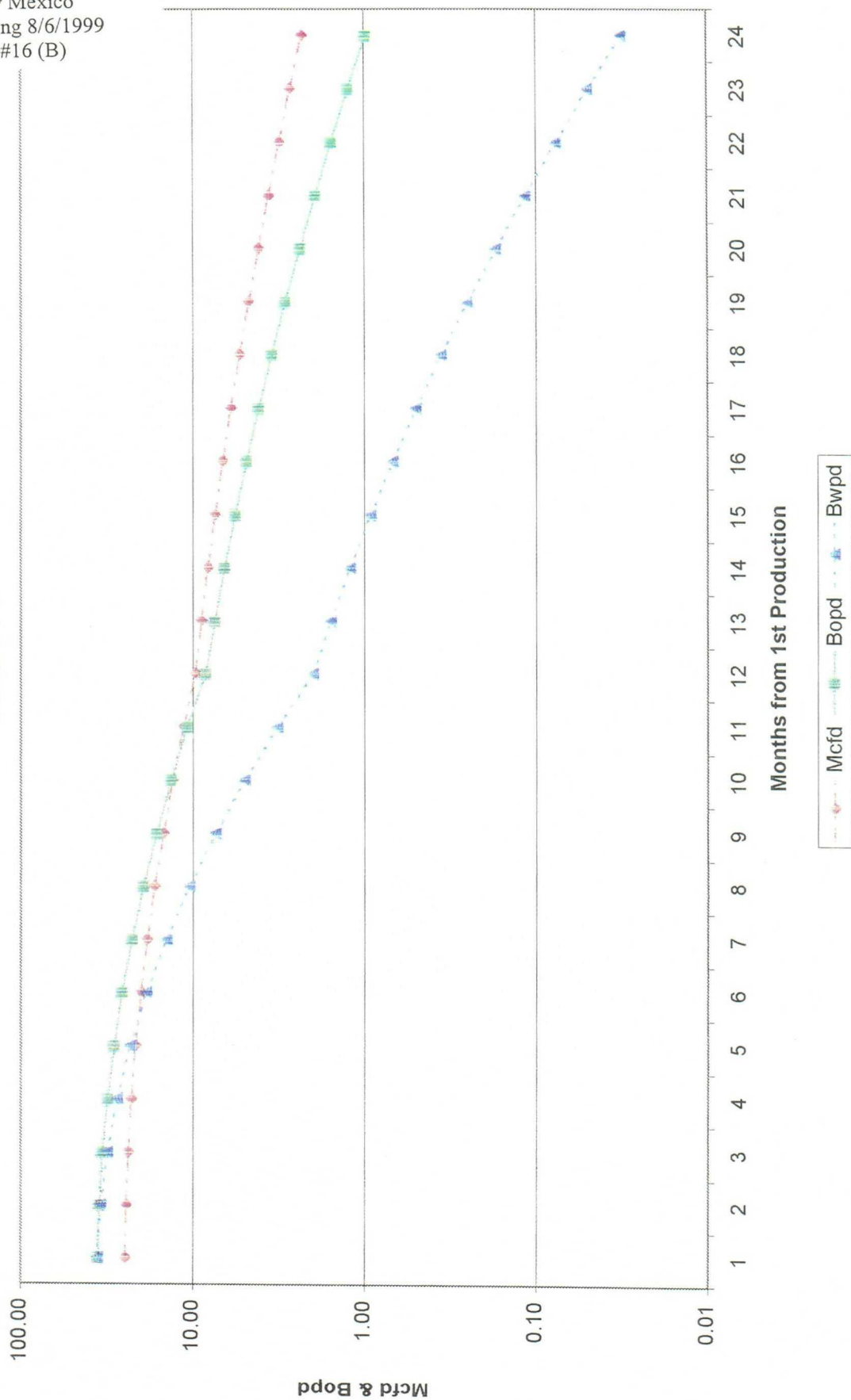
Estimated Wolfcamp Production
Todd 14-1

Month	Mcfd	Bopd	Bwpd
1	25	36	36
2	25	35	34
3	24	34	32
4	23	32	28
5	22	29	23
6	20	26	19
7	19	23	14
8	17	19	11
9	15	16	7
10	13	13	5
11	11	11	3.2
12	10	8	2.0
13	9	7	1.6
14	8	7	1.2
15	7	6	0.9
16	7	5	0.7
17	6	4	0.5
18	5	3	0.4
19	5	3	0.3
20	4	2	0.2
21	4	2	0.1
22	3	2	0.1
23	3	1	0.1
24	2	1	0.0

Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (B)

Estimated Wolfcamp Production Decline

Todd 14-1



Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (C)

Offset Operators' Address List

Pogo Producing Inc.
P.O. Box 10340
Midland, TX 79702-7340

Sonat Exploration Company
110 West Louisiana, Suite 500
Midland, TX 79701

Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (C)

Todd 14K-1 (8/1999) C107A

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	3. Article Addressed to: POGO PRODUCING INC. PO BOX 10340 MIDLAND TX 79702-7340		4a. Article Number Z 068 589 400	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
			7. Date of Delivery	
	5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X				
PS Form 3811, December 1994 102595-98-B-0229 Domestic Return Receipt				

Thank you for using Return Receipt Service.

Todd 14K-1 (8/1999) C107A

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	3. Article Addressed to: SONAT EXPLORATION COMPANY 110 WEST LOUISIANA SUITE 500 MIDLAND TX 79701		4a. Article Number Z 068 589 401	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
			7. Date of Delivery	
	5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X				
PS Form 3811, December 1994 102595-98-B-0229 Domestic Return Receipt				

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Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (C)

Working Interest Owners' Address List

Mabee Flynt Lease Trust
11010 Crestmore
Houston, TX 77096

Mary Dougherty Trust
c/o Northern Bank & Trust of Texas
P. O. Box 226270
Dallas, TX 75222-6270

Thomas Hastings, Sr
14254 Misty Meadow
Houston TX 77079

Mary Dougherty Trust
c/o Northern Bank & Trust of Texas
2701 Kirby Drive
Houston, TX 77098-1218

Bascom L. Mitchell
No. 1 Live Oak
Midland, TX 79705

Joe N. Gifford
10 Desta Drive, Suite 300E
Midland, TX 79705-4513

Catherine M. Grace
c/o Dan Serna & Co.
6031 West I-20, Suite 251
Arlington, TX 76017

T. E. K. Properties, Ltd.
The Highlands
Seattle, Washington 98177

Obie & Company
c/o Texas Commerce Bank
Attn: Bruce Wallace
P. O. Box 200555
Houston, TX 77216

Miranda Energy Corp.
Building "O" #115
731 West Wadley
Midland, TX 79705

Otto E. Schroeder, Jr.
1311 Academy Circle
Arlington, TX 76013

L. Edward Innerarity, Jr.
P. O. Box 2113
Midland, TX 79702

Mary M. Olson
RR 2, Box 202A
Boyd, TX 76023

Enron Oil & Gas
Attn Patrick Tower
PO Box 2267
Midland TX 79702

Todd 14K-1 (8/1999) C107A

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: MIRANDA ENERGY CORP. BUILDING "O" #115 731 WEST WADLEY MIDLAND TX 79705		4a. Article Number Z 386 088 102 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery	
5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X			

PS Form 3811, December 1994

102595-99-8-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

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3. Article Addressed to: L EDWARD INNERARITY JR. P O BOX 2113 MIDLAND TX 79702		4a. Article Number Z 386 088 103 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery	
5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X			

PS Form 3811, December 1994

102595-99-8-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: MABEE FLYNT LEASE TRUST 11010 CRESTMORE HOUSTON TX 77096		4a. Article Number Z 386 088 104 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery	
5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X			

PS Form 3811, December 1994

102595-99-8-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: THOMAS HASTINGS SR 14254 MISTY MEADOW HOUSTON TX 77079		4a. Article Number Z 386 088 105 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery	
5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent)			

Devon Energy Corporation (Nevada)
 Todd "14K" Federal #1
 Eddy County, New Mexico
 Downhole Commingling 8/6/1999
 ATTACHMENT #16 (C)

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

**MARY DOUGHERTY TRUST
C/O NORTHERN BANK & TRUST OF
TEXAS
P O BOX 226270
DALLAS TX 75222-6270**

4a. Article Number
Z 068 589 403

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

102595-99-8-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER:

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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

**MARY DOUGHERTY TRUST
C/O NORTHERN BANK & TRUST
OF TEXAS
2701 KIRBY DRIVE
HOUSTON TX 77098-1218**

4a. Article Number
Z 068 589 404

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

102595-99-8-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER:

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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

**JOE N. GIFFORD
10 DESTA DRIVE, SUITE 300E
MIDLAND TX 79705-4513**

4a. Article Number
Z 068 589 405

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

102595-99-8-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER:

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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

**T E K. PROPERTIES, LTD.
THE HIGHLANDS
SEATTLE, WASHINGTON 98177**

4a. Article Number
Z 386 088 101

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

Is your RETURN ADDRESS completed on the reverse side?

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Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Todd 14K-1 (8/1999) C107A

Is your RETURN ADDRESS completed on the reverse side?

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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**BASCOM L. MITCHELL
#1 LIVE OAK
MIDLAND TX 79705**

4a. Article Number

Z 386 088 106

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-98-B-0229

Domestic Return Receipt

Thank you for using Return Receipt Service.

Todd 14K-1 (8/1999) C107A

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete Items 1 and/or 2 for additional services.
- Complete Items 3, 4a, and 4b.
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- Write "Return Receipt Requested" on the mailpiece below the article number.
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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**CATHERINE M. GRACE
C/O DAN SERNA & CO
6031 WEST I-20 SUITE 251
ARLINGTON TX 76017**

4a. Article Number

Z 386 088 107

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-98-B-0229

Domestic Return Receipt

Thank you for using Return Receipt Service.

Todd 14K-1 (8/1999) C107A

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**OTTO E SCHROEDER JR.
1311 ACADEMY CIRCLE
ARLINGTON TX 76013**

4a. Article Number

Z 386 088 109

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-98-B-0229

Domestic Return Receipt

Thank you for using Return Receipt Service.

Todd 14K-1 (8/1999) C107A

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**OBIE & COMPANY
C/O TEXAS COMMERCE BANK
ATTN BRUCE WALLACE
P O BOX 200555
HOUSTON TX 77216**

4a. Article Number
Z 386 088 108

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-99-9-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**MARY M OLSON
RR 2 BOX 202A
BOYD TX 76023**

4a. Article Number
Z 386 088 110

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-99-9-0229

Domestic Return Receipt

Todd 14K-1 (8/1999) C107A

SENDER:

- Complete items 1 and/or 2 for additional services.
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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**ENRON OIL & GAS
ATTN PATRICK TOWER
PO BOX 2267
MIDLAND TX 79702**

4a. Article Number
Z 386 088 111

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-99-9-0229

Domestic Return Receipt

Todd 14K-1 (8/1-99) C107A

- Complete items 1 and/or 2 for additional services.
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I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

**DIMAR ENERGY CORPORATION
BLDG "O" #115
731 WEST WADLEY
MIDLAND TX 79705**

4a. Article Number
Z 386 088 119

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-97-8-0179

Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

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Is your RETURN ADDRESS completed on the reverse side?

Is your RETURN ADDRESS completed on the reverse side?

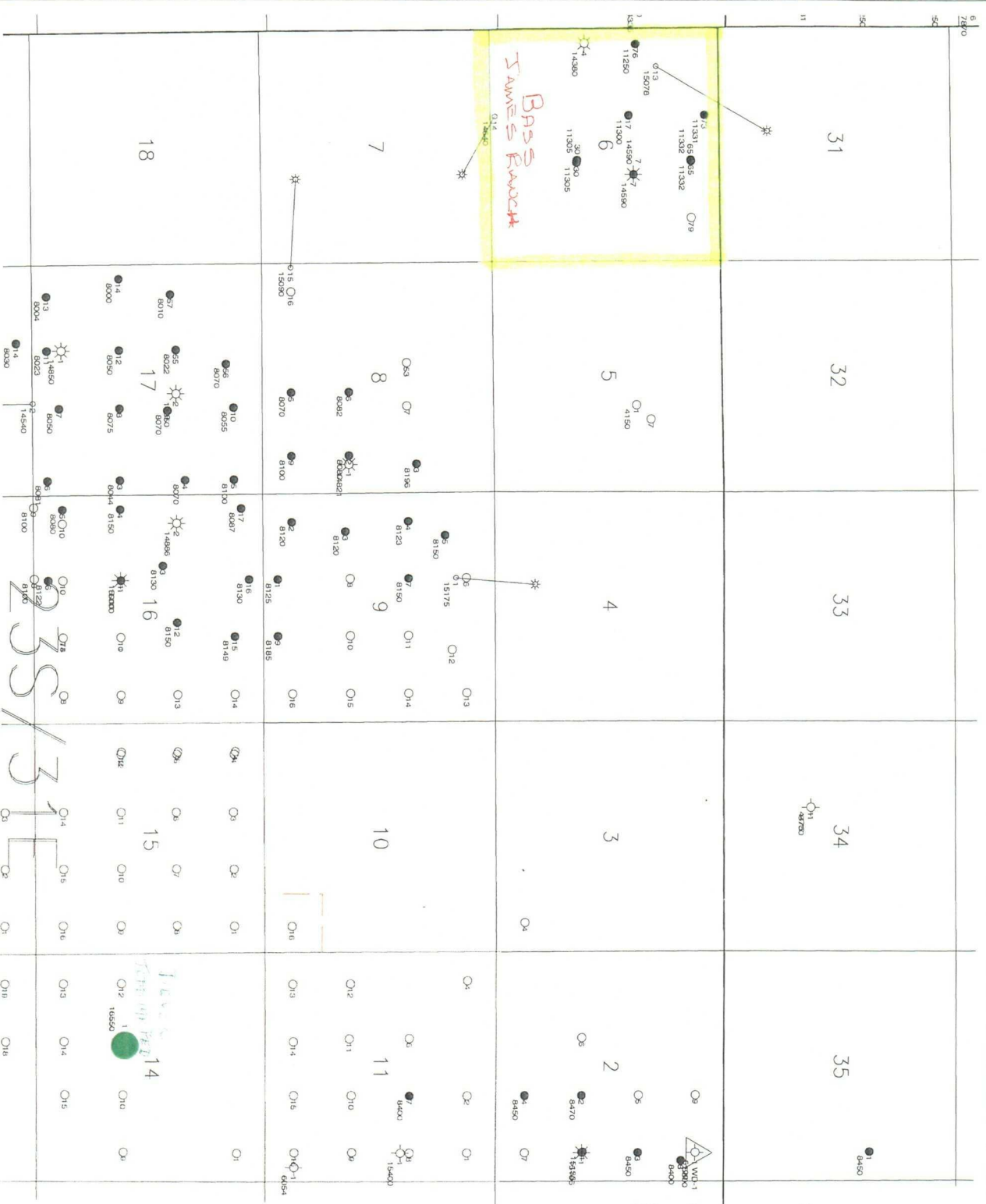
Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Devon Energy Corporation (Nevada)
 Todd "14K" Federal #1
 Eddy County, New Mexico
 Downhole Correlating 8/6/1999
 ATTACHMENT #16 (D)

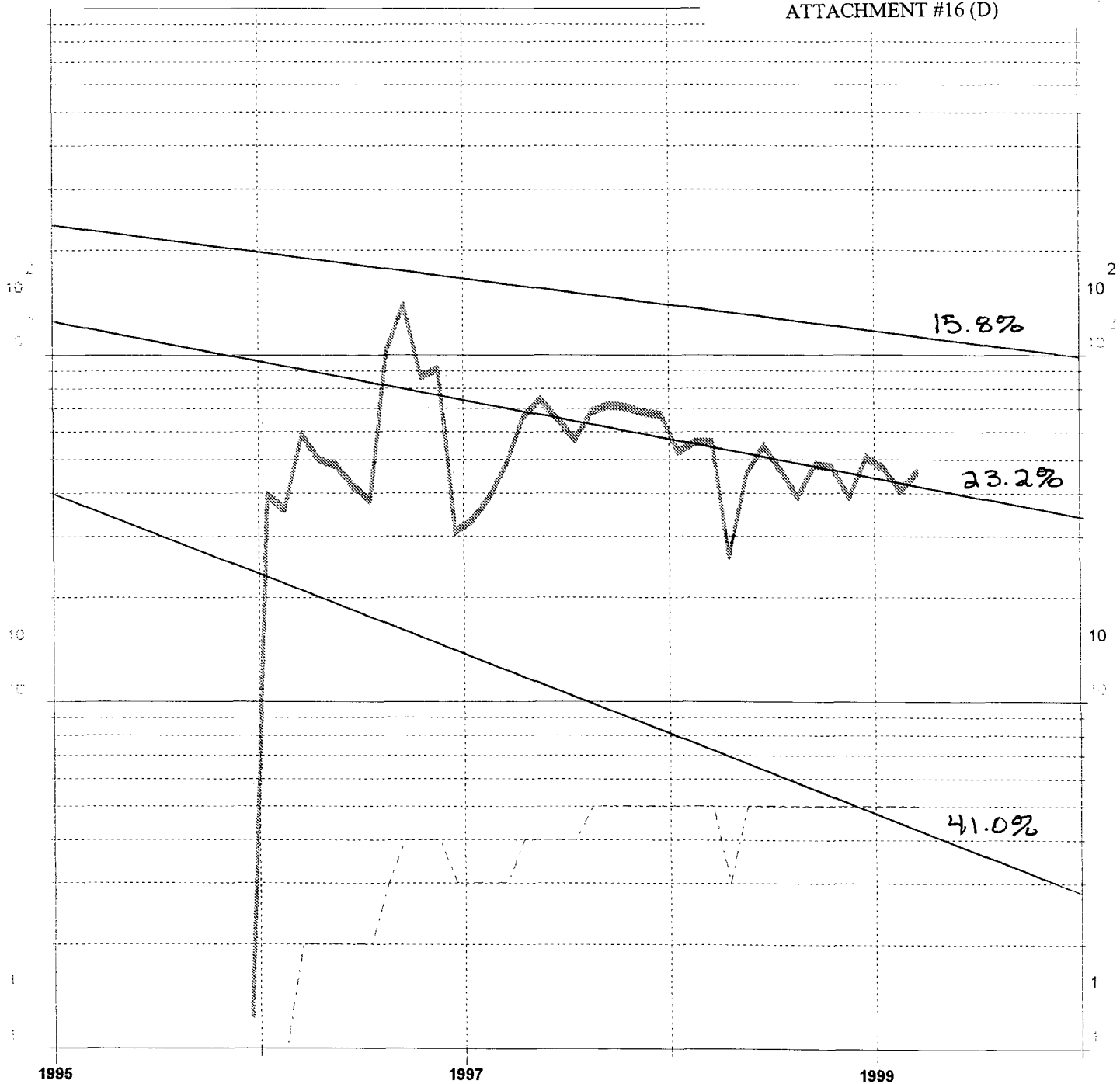


Devon Energy Corp.
 INGLE WELLS/SAND DUNES
 Eddy & Lea Counties, New Mexico

Scale 1:4000	Date 1/1/99
Prepared by: [Name]	Reviewed by: [Name]

08/03/99

Devon Energy Corporation (Nevada)
Todd "14K" Federal #1
Eddy County, New Mexico
Downhole Commingling 8/6/1999
ATTACHMENT #16 (D)



Oil (bbl/day)

Water (bbl/day)

County: EDDY, NM

F.P. Date: 12/95

Gas (mcf/day)

Field: LOS MEDANOS (WOLFCAMP)

Oil Cum: 66.49 mbbl

Well Count

Reservoir: WOLFCAMP

Gas Cum: 139.1 mmcf

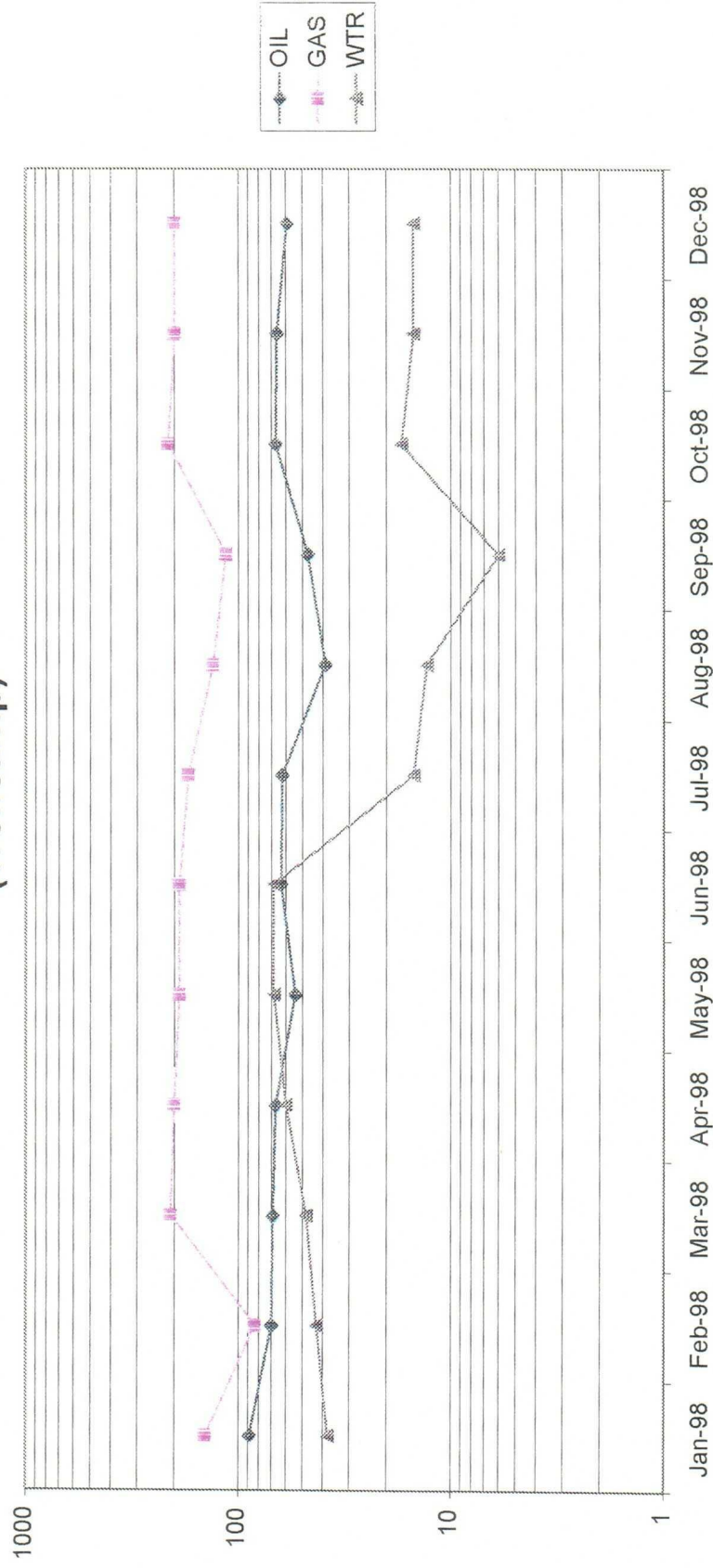
Operator: BASS ENTERPRISES PROD

Location: 6 23S 31E

ACTUAL PRODUCTION

LEASE NAME	#	DATE	OIL	GAS	WTR
JAMES RANCH UNIT	71	Jan-98	89	144	38
JAMES RANCH UNIT	71	Feb-98	70	84	43
JAMES RANCH UNIT	71	Mar-98	69	210	48
JAMES RANCH UNIT	71	Apr-98	67	202	60
JAMES RANCH UNIT	71	May-98	54	191	68
JAMES RANCH UNIT	71	Jun-98	63	190	68
JAMES RANCH UNIT	71	Jul-98	62	173	15
JAMES RANCH UNIT	71	Aug-98	39	132	13
JAMES RANCH UNIT	71	Sep-98	47	115	6
JAMES RANCH UNIT	71	Oct-98	67	215	17
JAMES RANCH UNIT	71	Nov-98	66	200	15
JAMES RANCH UNIT	71	Dec-98	59	202	15
JAMES RANCH UNIT	71	Totals	752	2058	406

James Ranch Unit #1 (Wolfcamp)



devon
ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

Candace R. Graham
(405) 552-4520

August 6, 1999

To Whom It May Concern:

RE: Application for Downhole Commingling
Todd "14K" Federal #1
Section 14-T23S-R31E
Eddy County, New Mexico

Gentlemen:

Concerning the referenced, enclosed please find a copy of our submittal of Form C107A, with attachments, to the NMOCD in Santa Fe, New Mexico.

Please direct inquiries concerning this matter to Wally Frank, District Engineer, in our Oklahoma City office at (405) 235-3611, X4595.

Sincerely,

Candace R. Graham

Candace R. Graham
Engineering Tech.

Attachments

/cg

copy: NMOCD in Santa Fe and in Artesia, NM
BLM in Roswell, NM
file, engineer, foreman, area interest owners

Application for Downhole Commingling
Todd "14K" Federal #1
Eddy County, New Mexico
August 6, 1999
Page 2

Area Interest Owners Address List

	Certified Mail No.
Pogo Producing Inc. P.O. Box 10340 Midland, TX 79702-7340	Z 068 589 400
Sonat Exploration Company 110 West Louisiana, Suite 500 Midland, TX 79701	Z 068 589 401
Mary Dougherty Trust c/o Northern Bank & Trust of Texas P. O. Box 226270 Dallas, TX 75222-6270	Z 068 589 403
Mary Dougherty Trust c/o Northern Bank & Trust of Texas 2701 Kirby Drive Houston, TX 77098-1218	Z 068 589 404
Joe N. Gifford 10 Desta Drive, Suite 300E Midland, TX 79705-4513	Z 068 589 405
T. E. K. Properties, Ltd. The Highlands Seattle, Washington 98177	Z 386 088 101
Miranda Energy Corp. Building "O" #115 731 West Wadley Midland, TX 79705	Z 386 088 102
L. Edward Innerarity, Jr. P. O. Box 2113 Midland, TX 79702	Z 386 088 103

Application for Downhole Commingling
Todd "14K" Federal #1
Eddy County, New Mexico
August 6, 1999
Page 3

Area Interest Owners Address List

	Certified Mail No.
Mabee Flynt Lease Trust 11010 Crestmore Houston, TX 77096	Z 386 088 104
Thomas Hastings, Sr 14254 Misty Meadow Houston TX 77079	Z 386 088 105
Bascom L. Mitchell No. 1 Live Oak Midland, TX 79705	Z 386 088 106
Catherine M. Grace c/o Dan Serna & Co. 6031 West I-20, Suite 251 Arlington, TX 76017	Z 386 088 107
Obie & Company c/o Texas Commerce Bank Attn: Bruce Wallace P. O. Box 200555 Houston, TX 77216	Z 386 088 108
Otto E. Schroeder, Jr. 1311 Academy Circle Arlington, TX 76013	Z 386 088 109
Mary M. Olson RR 2, Box 202A Boyd, TX 76023	Z 386 088 110
Enron Oil & Gas Attn Patrick Tower PO Box 2267 Midland TX 79702	Z 386 088 111
DIMAR ENERGY CORPORATION BLDG 'O' #115 731 WEST WADLEY MIDLAND TX 79705	Z 386 088 119