

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

District II  
811 South First Street, 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 May 15, 2000

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

APPLICATION TYPE  
X Single Well  
X Establish Pre-Approved Pools  
EXISTING WELLBORE  
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Devon Energy Production Company, L.P. 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102  
Operator Address

Mann 3 Federal 3 M-Sec 3 T18S R27E Eddy  
Lease Well No. Unit Letter Section-Township-Range County

OGRID No. 6137 Property Code 23715 API No. 30-015-30442 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Red Lake (Q-GB-SA)		Red Lake Glorieta-Yeso
Pool Code	51300		51120
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2100' - 2820'		3104' - 3354'
Method of Production (Flowing or Artificial Lift)	AI		AI
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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	40.5		39.6
Producing, Shut-In or New Zone			
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: 10/30/01 Rates: 61-62--472	Date: Rates:	Date: 10/10/01 Rates: 18-26-223
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 76% 69 %	Oil Gas % %	Oil Gas 24% 31 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yesx 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? Yesx No  
Will commingling decrease the value of production? Yes Nox  
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? Yesx No  
NMOCD Reference Case No. applicable to this well: DHC-2890

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 TITLE Operations Technician DATE 9/23/03

TYPE OR PRINT NAME Karen Cottom TELEPHONE NO. ( 405 ) 228-7512

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OPERATOR'S COPY** **FORM APPROVED**  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**DEVON ENERGY PRODUCTION COMPANY, LP.**

3. Address and Telephone No.  
**20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611**

4. Location of Well (Footage. Sec., T., R., M., or Survey Description)  
**1024' FSL & 330' FWL, Sec 3-18S-27E, Unit M**

5. Lease Designation and Serial No.  
**LC-061783-B**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Mann 3 Federal #3**

9. API Well No.  
**30-015-30442**

10. Field and Pool, or Exploratory Area  
**Red Lake (Q-GB-SA)**

11. County or Parish, State  
**Eddy County, NM**

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other <u>Downhole Commingle</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

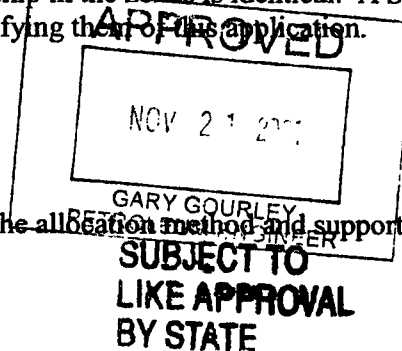
Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the existing (51300) Red Lake (Q-GB-SA) perfs 2100' - 2820' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (3104' - 3354'). Order No. R-11363 established these as pre-approved pools. The commingling will not reduce the value of the total remaining production. Ownership in the zones is identical. A Sundry Notice Form 3160-5 has been sent to the Bureau of Land Management notifying them of this application.

The proposed allocations are as follows:

51300 - Red Lake (Q-GB-SA) Oil 76% Gas 69%

51120 - Red Lake; Glorieta-Yeso Oil 24% Gas 31%

Current and proposed wellbore schematics are attached along with the allocation method and supporting data



14. I hereby certify that the foregoing is true and correct

Signed Karen A. Cottom  
(This space for Federal or State office use)

Title Engineering Technician

Date November 6, 2001

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations to any matter within its jurisdiction.

\*See Instruction on Reverse Side

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM  
87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. <b>30-015-30442 - Federal Well</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <b>LC-061783B</b>
7. Lease Name or Unit Agreement Name <b>Mann 3 Federal</b>
8. Well No. <b>3</b>
9. Pool name or Wildcat <b>Red Lake (Q-GB-SA)</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**DEVON ENERGY PRODUCTION COMPANY, L. P.**

3. Address of Operator  
**20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611**

4. Well Location  
Unit Letter **M-1024'** Feet From The **South** Line and **330'** Feet From The **West** Line

Section <b>3</b>	Township <b>18S</b>	Range <b>27E</b>	NMPM	Eddy	County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <b>3551' GR</b>					

Check Appropriate Box To Indicate Nature Of Notice, Report, Or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: Downhole Commingle ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103.

Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the existing (51300) Red Lake (Q-GB-SA) perfs 2100' - 2820' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (3104' - 3354'). Order No. R-11363 established these as pre-approved pools. The commingling will not reduce the value of the total remaining production. Ownership in the zones is identical. A Sundry Notice Form 3160-5 has been sent to the Bureau of Land Management notifying them of this application.

The proposed allocations are as follows:

51300 - Red Lake (Q-GB-SA) Oil 76% Gas 69%

51120 - Red Lake; Glorieta-Yeso Oil 24% Gas 31%

Current and proposed wellbore schematics are attached along with the allocation method and supporting data

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

SIGNATURE Karen Cottom

TITLE ENGINEERING TECHNICIAN

DATE November 6, 2001

TYPE OR PRINT NAME Karen Cottom

TELEPHONE NO. (405) 235-3611

(This space for State use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

# DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

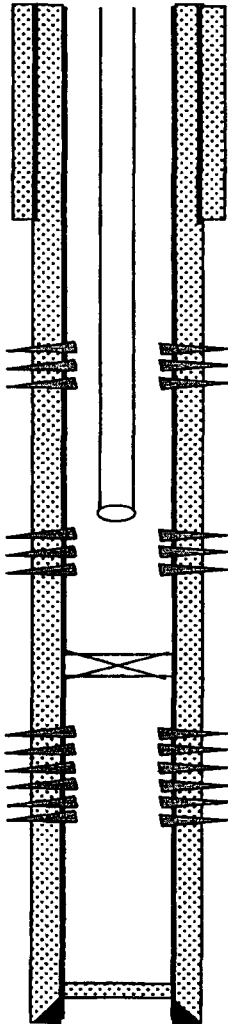
WELL NAME: Mann 3 Federal #3			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 3-T18S-R27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL=3551'			SPUD DATE: 5/29/01		COMP DATE: 10/19/01	
API#: 30-015-30442		PREPARED BY: Karen Cottom			DATE: 11/5/01	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 1152'	8 5/8"	24#	J-55		11"
CASING:	0 - 3798'	5 1/2"	15.5#	J-55		7 7/8"
CASING:						
CASING:						
TUBING:	0 - 2670'	2 7/8"				



CURRENT



PROPOSED



8 5/8" casing set @1,333' cmt w/615 sx circulated 144sx to pit

**Upper San Andres Perforations:**  
2100' - 2356' (29 holes)

2 7/8" tbg w/SN @2814'

**Low San Andres Perforations:**  
2728' - 2820' (22 holes)

**CIBP @ 3050'**

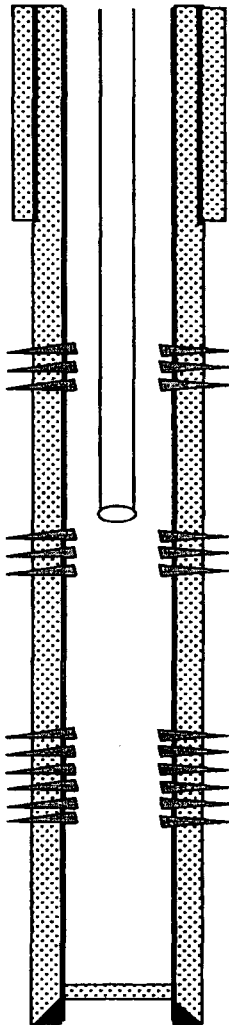
**Yeso Perforations:**  
3104' - 3354' (36 holes)

PBTD @ 3,580'  
5 1/2" casing, set @3648' w/770 sx cmt circulated 20sx to pit  
TD @ 3,650'

# DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Mann 3 Federal #3			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 3-T18S-R27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL=3551'			SPUD DATE: 5/29/01		COMP DATE: 10/19/01	
API#: 30-015-30442		PREPARED BY: Karen Cottom			DATE: 11/5/01	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 1152'	8 5/8"	24#	J-55		11"
CASING:	0 - 3798'	5 1/2"	15.5#	J-55		7 7/8"
CASING:						
CASING:						
TUBING:	0 - 2670'	2 7/8"				

☐ CURRENT

☒ PROPOSED


8 5/8" casing set @1,333' cmt w/615 sx circulated 144sx to pit

**Upper San Andres Perforations:**  
2100' - 2356' (29 holes)

2 7/8" tbg w/SN @2814'

**Low San Andres Perforations:**  
2728' - 2820' (22 holes)

**Yeso Perforations:**  
3104' - 3354' (36 holes)

PBTD @ 3,580'  
5 1/2" casing, set @3648' w/770 sx cmt circulated 20sx to pit  
TD @ 3,650'

Date	Oil	Gas	Water	Choke	Strokes	Casing Pressure(1)	Tubing Pressure
9/27/01	20	26	252	-	12	17	200
9/28/01	19	26	246	-	12	17	200
9/29/01	19	26	230	-	12	17	200
9/30/01	15	26	255	-	12	17	200
10/1/01	19	26	250	-	12	17	200
10/2/01	20	26	251	-	12	17	200
10/3/01	17	26	230	-	12	17	200
10/4/01	19	26	226	-	12	17	200
10/5/01	18	26	214	-	12	17	200
10/6/01	17	26	235	-	12	17	200
10/7/01	22	32	232	-	12	17	200
10/8/01	18	26	239	-	12	17	200
10/9/01	18	26	212	-	12	17	200
10/10/01	18	26	223	-	12	17	200
10/11/01	15	26	242	-	12	17	200
10/12/01	18	26	235	-	12	17	200
10/13/01	18	17	288	-	12	50	200

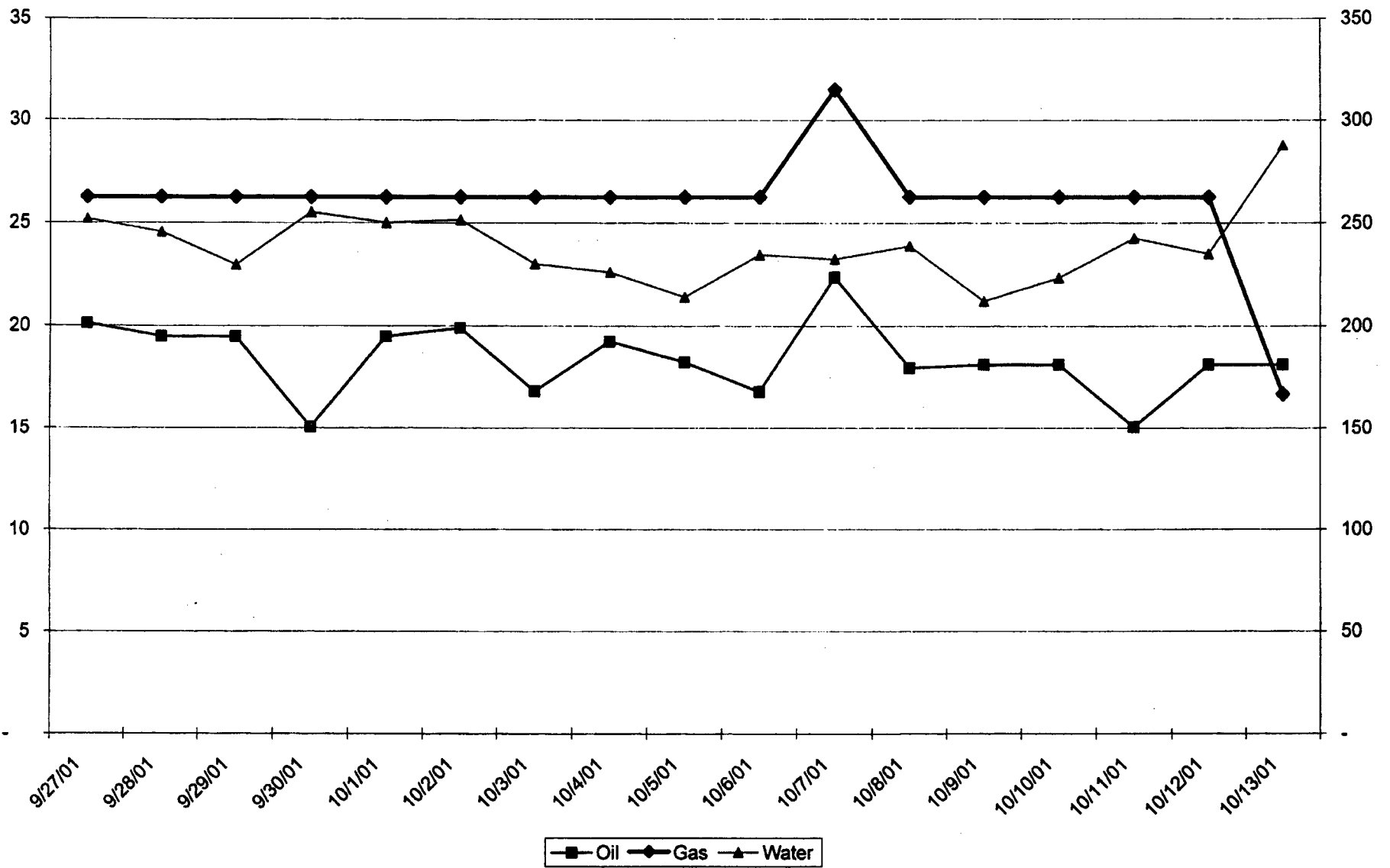
Date	Oil	Gas	Water	Choke	Strokes	Casing Pressure(1)	Tubing Pressure
10/18/01	8	18	147	-	12	50	200
10/19/01	10	18	213	-	12	50	200
10/20/01	29	49	495	-	12	50	200
10/21/01	105	87	555	-	12	60	200
10/22/01	101	54	569	-	12	60	200
10/23/01	82	53	539	-	12	60	200
10/24/01	69	58	433	-	12	60	200
10/25/01	55	67	439	-	12	60	200
10/26/01	68	65	408	-	12	60	200
10/27/01	63	68	407	-	12	60	200
10/28/01	66	69	420	-	12	60	200
10/29/01	72	74	437	-	12	60	200
10/30/01	61	62	472	-	12	60	200
10/31/01	58	66	440	-	12	60	200
11/1/01	49	60	416	-	12	60	200
11/2/01	58	64	450	-	12	50	200
11/3/01	49	59	459	-	12	50	200

Yeso	18	26	239	
------	----	----	-----	--

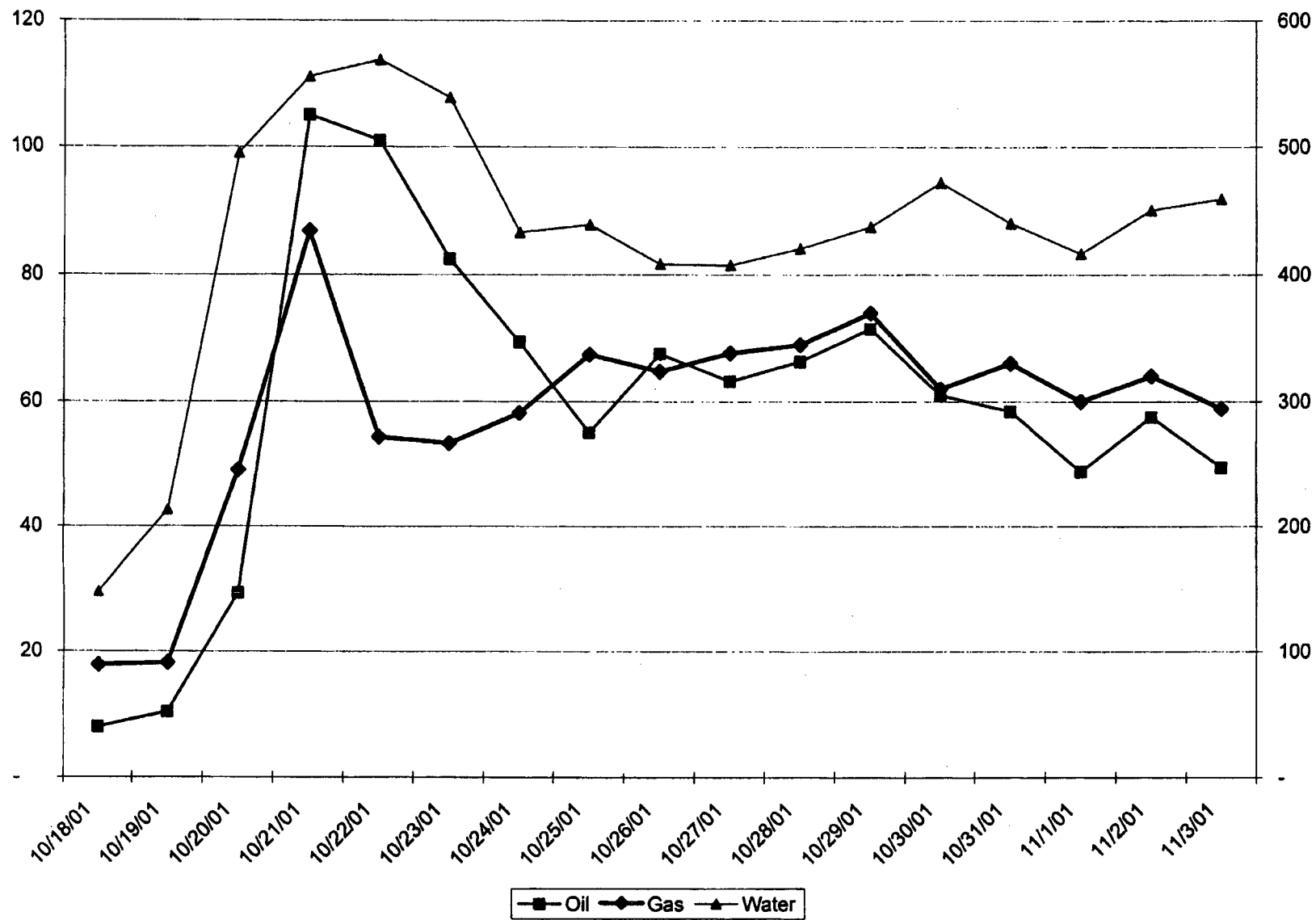
San Andres		59	58	429
------------	--	----	----	-----

	Oil	Gas	Water
Total	77	84	668
Yeso	24%	31%	36%
San Andres	76%	69%	64%

# Yeso



# San Andres





operator's copy

**devon**  
ENERGY CORPORATION

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

Telephone 405/228-7512  
FAX 405/552-4667

November 6, 2001

**Certified Mail No. 7001 0360 0000 2116 1794**

Bureau of Land Management  
2909 West Second Street  
Roswell, NM 88201



RE: Downhole Commingling  
Mann 3 Federal #3  
Section 4-18S-27E Lot M  
API #30-015-30442  
Red Lake (Q-GB-SA) and  
Red Lake (Glorieta-Yeso), fields  
Eddy County, NM

Gentlemen:

Concerning the referenced, enclosed please find the Form C-103 Sundry Notice of Intent to downhole commingling and attachments (and five copies).

Please direct inquiries concerning this notice to me at (405) 228-7512.

Yours truly,

A handwritten signature in cursive script, appearing to read 'Karen Cottom'.

Karen Cottom  
Engineering Tech.  
DEVON ENERGY PRODUCTION COMPANY, L.P.

/kac  
Enclosures

c: OCD w/Sundry Notice of Intent & attachments. Via Certified Mail (7001 0320 0003 8815 7678)  
File

## Mann 3 Federal #3

### Allocation Formula

Well Name	Producing Formation	*Daily Production Test	% of Total Oil
		30 day average	
Mann 3 Federal #3	(51300)Red Lake (Q-GB-SA)	59 BO/ 58 MCF/ 429 BW	76 %
Mann 3 Federal #3	(51120)Red Lake; Glorieta-Yeso	18 BO/ 26 MCF/ 239 BW	24 %

\* From attached production plots

The above production test represents stable production from a San Andres producer and a Yeso producer. We believe these rates of production represent an acceptable means to allocate production. **We have previously received approval for downhole commingling in these fields utilizing a similar allocation method.**