



ENERGY PRODUCTION COMPANY, L.P.

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

Telephone: (405) 235-3611  
Fax: (405) 552-4667

DRC

(9)

September 23, 2003

Michael Stogner  
State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

3203  
**RECEIVED**

SEP 29 2003

OIL CONSERVATION  
DIVISION

Re: Mann 3 Federal #1, API 30-015-30410  
Mann 3 Federal #3, API 30-015-30442  
Windfohr 4 Federal 2, API 30-015-30411  
Windfohr 4 Federal 3, API 30-015-30468  
Windfohr 4 Federal 4, API 30-015-30474  
Windfohr 4 Federal 5, API 30-015-30415  
Windfohr 4 Federal 6, API 30-015-30419  
Windfohr 4 Federal 7, API 30-015-30460  
Windfohr 4 Federal 8, API 30-015-30420

Dear Mr. Stogner:

The MMS as just informed me that I do not have approval to downhole commingle the referenced wells. I sent a request to the OCD for approval but after checking my files I have not received an order on these. It has come to my attention that I did not file these with the Santa Fe office. I apologize for this error and request that you review the attached C107a's at your earliest convenience.

Should you require any additional information or assistance, please do not hesitate to contact me at (405) 228-7512.

Sincerely,

Karen Cottom  
Engineering Technician  
Devon Energy Production Company, L.P.

Kc  
Enclosure

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

Windfohr 4 Federal 8 P Sec 4 T18S R27E Eddy  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No.6137 Property Code23718 API No.30-015-30420 Lease Type: XFederal 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)	2062' - 2708'		3074' - 3365'
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:10/15/01 Rates:41-71-550	Date: Rates:	Date:8/23/01 Rates:22-52-252
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 32% 39% 68 61	Oil Gas % %	Oil Gas 68% 61% 32 39

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yesx No  
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 TechnicianDATE 9/23/03

TYPE OR PRINT NAMEKaren CottomTELEPHONE NO. ( 405 )228-7512

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTOPERATOR'S COPY FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

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

Type of Well  
Oil ☐ Gas ☐ Other ☐  
WellName of Operator  
DEVON ENERGY PRODUCTION COMPANY, L.P.Address and Telephone No.  
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611Location of Well (Footage, Sec., T., R., M., or Survey Description)  
110' FSL & 660' FEL, Section 4-18S-27E, Unit "P"

5. Lease Designation and Serial No.

LC-061783-A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Windfohr 4 Federal #8

9. API Well No.

30-015-30420

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

- ☒
- Notice of Intent
- 
- ☐
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- ☐
- Abandonment
- 
- ☐
- Recompletion
- 
- ☐
- Plugging Back
- 
- ☐
- Casing Repair
- 
- ☐
- Altering Casing
- 
- ☒
- Other
- Downhole Commingle

- ☐
- Change of Plans
- 
- ☐
- New Construction
- 
- ☐
- Non-Routine Fracturing
- 
- ☐
- Water Shut-Off
- 
- ☐
- Conversion to Injection
- 
- ☐
- 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 2062' - 2708' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (3074' - 3365'). 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 32% Gas 39%

51120 - Red Lake; Glorieta-Yeso Oil 68% Gas 61%

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

SUBJECT TO  
LINE APPROVAL  
BY STATE

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

Signed

Karen A. Cottom

Title Engineering Technician

Date Sept 18, 2001

(This space for Federal approval only)

Approved by

Title

Date

Conditions of approval, if any

NOV 14 2001

Title 18 U.S.C. Section 1001(a)(1) - 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 jurisdiction of that department or agency.

\*See Instruction on Reverse Side

CTJ  
x 1980, Hobbs, NM 88240  
CTJ  
ower DD, Artesia, NM 88210  
CTJ  
io Brazos Rd, Aztec, NM

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

WELL API NO. <b>30-015-30420 - Federal Well</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <b>LC-061783-A</b>
7. Lease Name or Unit Agreement Name <b>Windfohr 4 Federal</b>
8. Well No. <b>8</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.)

Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

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

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

Well Location

Unit Letter **P-810'** Feet From The **South** Line and **660'** Feet From The **East** Line

Section 4 Township 18S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
**3557' GR**

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 2062' - 2708' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (3074' - 3365'). 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.

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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 October 29, 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 \_\_\_\_\_

YESO			
e	OIL	GAS	WATER
7/29/01	18	41	288
7/30/01	20	48	290
7/31/01	16	39	257
8/1/01	15	39	313
8/2/01	16	40	325
8/3/01	18	46	321
8/4/01	15	55	519
8/5/01	22	55	343
8/6/01	24	63	358
8/7/01	25	59	340
8/8/01	27	59	388
8/9/01	32	64	376
8/10/01	31	60	397
8/11/01	29	55	403
8/12/01	31	54	357
8/13/01	35	61	351
8/14/01	32	60	357
8/15/01	35	59	315
8/16/01	27	57	308
8/17/01	25	52	301
8/18/01	25	52	326
8/19/01	25	52	325
8/20/01	26	52	404
8/21/01	27	54	319
8/22/01	28	55	332
8/23/01	22	52	252
8/24/01	25	57	295
8/25/01	27	54	295
8/26/01	25	49	267
8/27/01	24	50	280
8/28/01	21	52	274
8/29/01	25	54	283
8/30/01	22	53	280
8/31/01	11	52	181
9/1/01	12	55	169
9/2/01	14	61	190
9/3/01	16	51	193
9/4/01	14	47	189
9/5/01	15	48	189
9/6/01	16	-	185
9/7/01	17	43	194
9/8/01	16	43	182
9/9/01	16	43	183

**Yeso                    22        51        295**

**Total                    69    132        743**

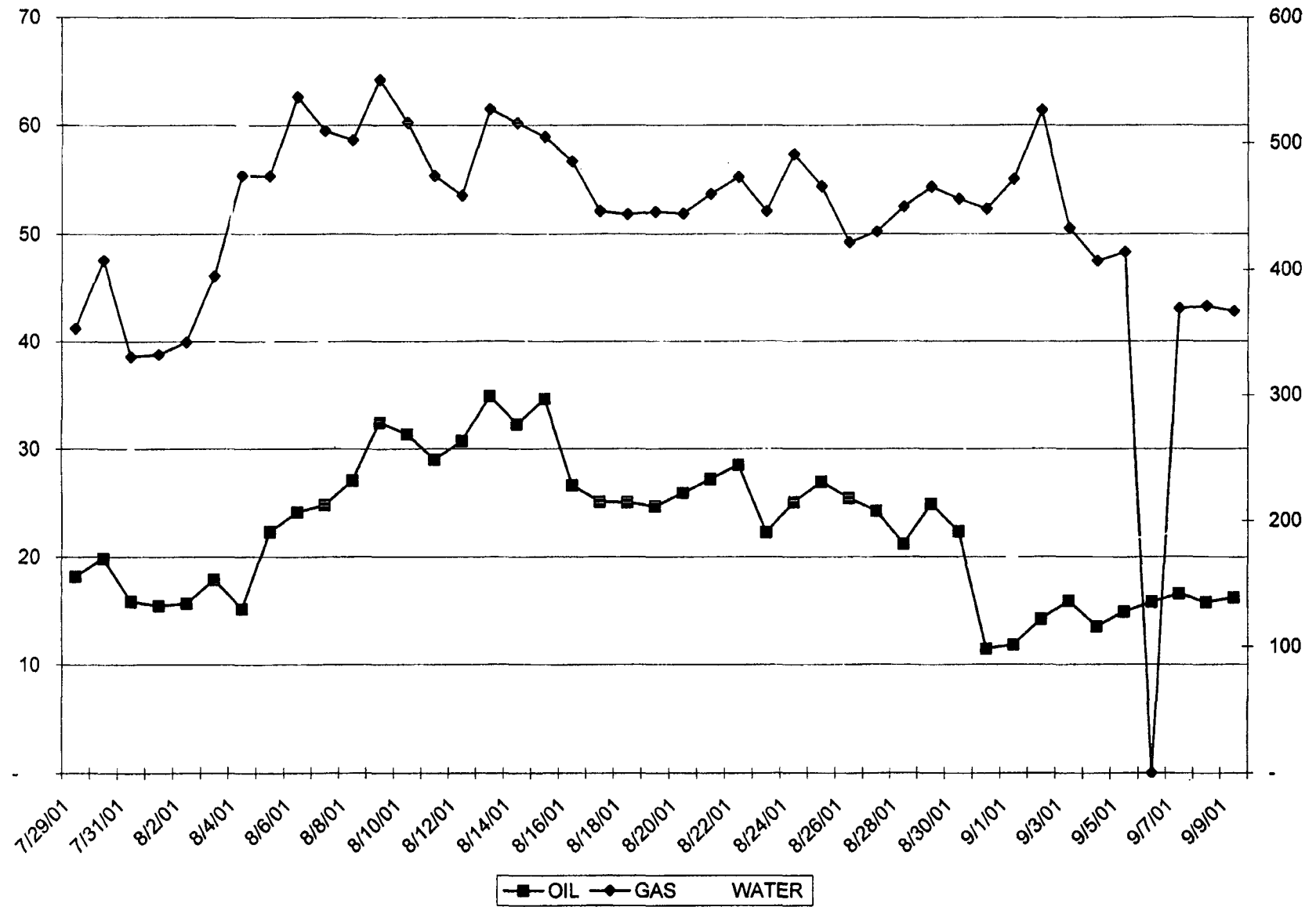
**Yeso                    32%   39%       40%**

**San Andres       68%   61%       60%**

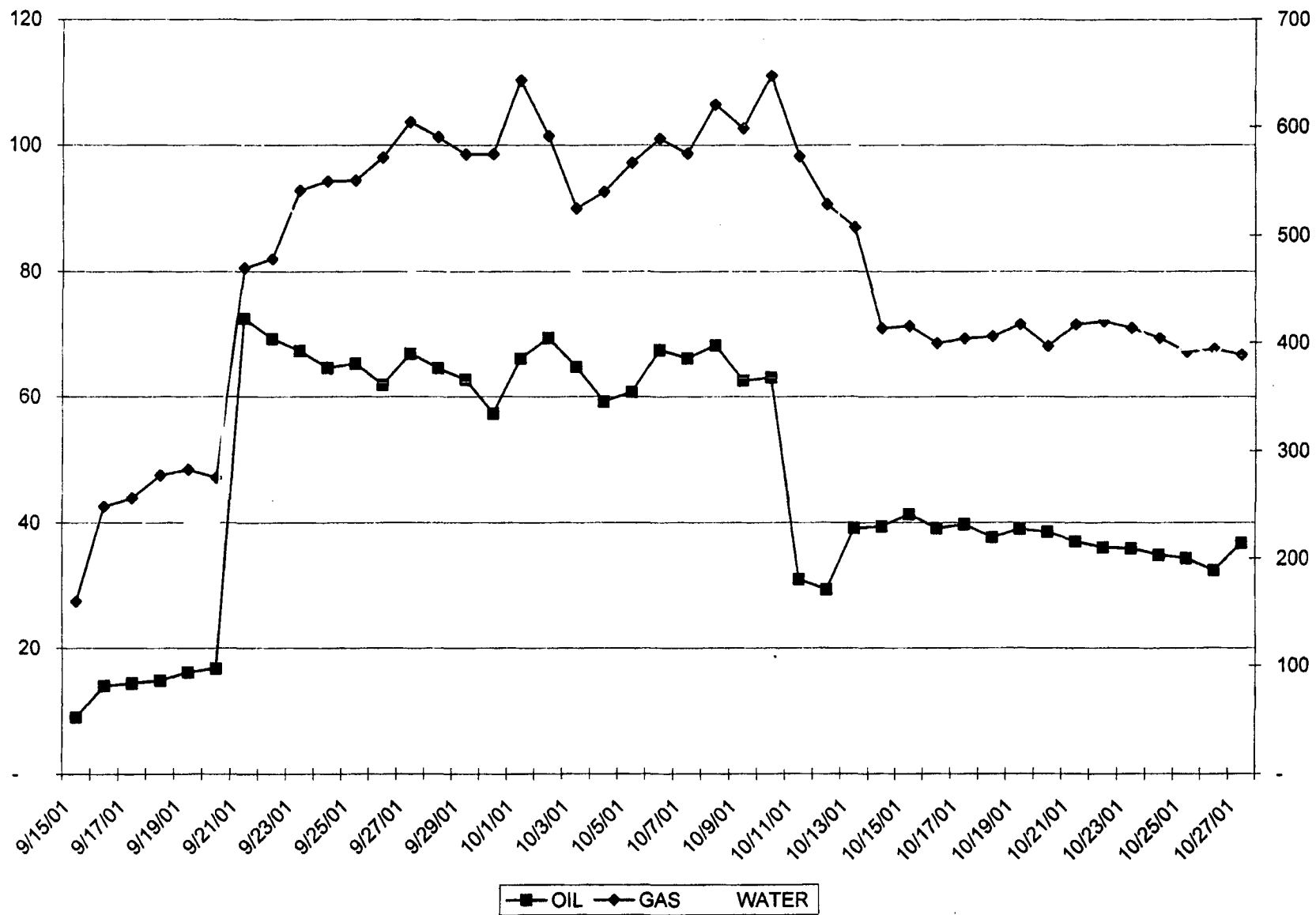
San Andres			
Date	OIL	GAS	WATER
9/15/01	9	27	128
9/16/01	14	43	202
9/17/01	14	44	214
9/18/01	15	48	258
9/19/01	16	48	234
9/20/01	17	47	234
9/21/01	73	81	614
9/22/01	69	82	565
9/23/01	67	93	505
9/24/01	65	94	532
9/25/01	65	94	501
9/26/01	62	98	508
9/27/01	67	104	465
9/28/01	65	101	478
9/29/01	63	99	447
9/30/01	57	99	496
10/1/01	66	110	487
10/2/01	69	101	489
10/3/01	65	90	470
10/4/01	59	93	474
10/5/01	61	97	440
10/6/01	67	101	493
10/7/01	66	99	498
10/8/01	68	106	487
10/9/01	63	103	449
10/10/01	63	111	483
10/11/01	31	98	516
10/12/01	29	91	476
10/13/01	39	87	583
10/14/01	39	71	641
10/15/01	41	71	550
10/16/01	39	68	531
10/17/01	40	69	535
10/18/01	38	70	459
10/19/01	39	72	499
10/20/01	39	68	432
10/21/01	37	72	447
10/22/01	36	72	427
10/23/01	36	71	426
10/24/01	35	69	385
10/25/01	34	67	398
10/26/01	32	68	387
10/27/01	37	67	414

**San Andre            47            81            448**

# Yeso



# San Andres



# DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

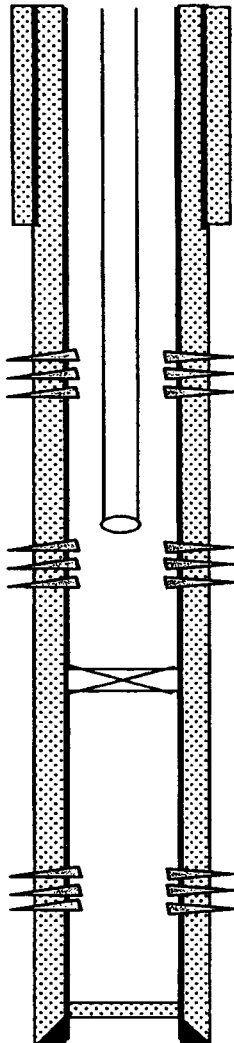
WELL NAME: Windfohr 4 Federal #8			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 4-T18S-R27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL=3557', KB 3564'			SPUD DATE: 4/10/01		COMP DATE: 5/9/01	
API#: 30-015-30420		PREPARED BY: Karen Cottom			DATE: 10/29/01	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 1312'	8 5/8"	24#	J-55	8rd ST&C	12 1/4"
CASING:	0 - 3630'	5 1/2"	15.5#	J-55	8RD LT&C	7 7/8"
CASING:						
CASING:						
TUBING:	0 - 2735'	2 7/8"				



CURRENT



PROPOSED



8 5/8" casing set @1,312' cmt w/415 sx Class C + 200 sx 35:65:6  
118 sx to surface

**Upper San Andres Perforations:**  
2062' - 2323'

2 7/8" tbg w/SN @2735'

**Low San Andres Perforations:**  
2708' - 2813' (23 holes)

**CIBP @ 3000'**

**Yeso Perforations:**  
3074' - 3365' (30 holes)

PBTD @ 3,582'  
5 1/2" casing, set @3630' w/175 sx 35:65:6 + 525 sx 50:50 C. 31 sx cmt to surface  
TD @ 3,630'

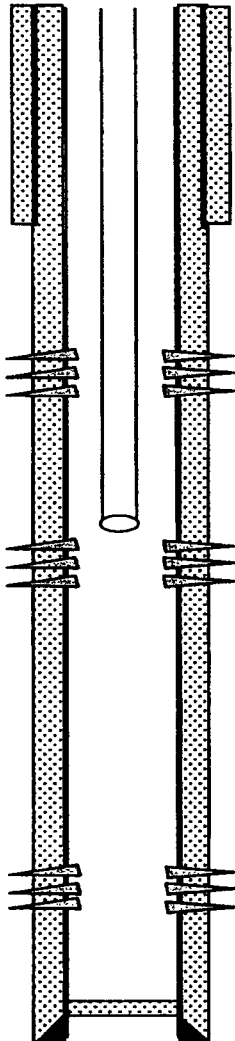


# DEVON ENERGY CORPORATION

## WELLBORE SCHEMATIC

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TD @ 3,630'



ENERGY CORPORATION

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

Telephone 405/228-7512  
FAX 405/552-4550

October 29, 2001

**Certified Mail No. 7001 0320 0003 8815 7685**

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

RE: Downhole Commingling  
Windfohr 4 Federal #8  
Section 4-18S-27E Unit "P"  
API #30-015-30420  
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 commingle and attachments (and five copies).

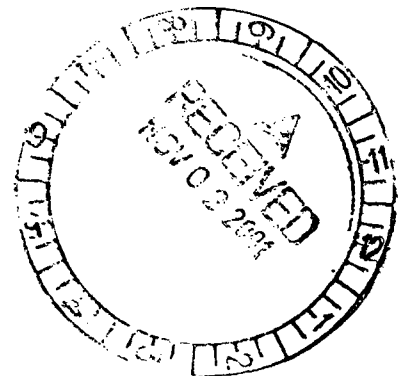
Please direct inquiries concerning this notice to me at (405) 228-7512.

Yours truly,

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

/kac  
Enclosures

Copy: File  
Oil Conservation Division (via certified Mail # 7001 0320 0003 8815 7692)



## Windfohr 4 Federal #8

### Allocation Formula

Well Name	Producing Formation	*Daily Production Test	% of Total Oil
		3-month average	
Windfohr 4 Federal #8	(51300)Red Lake (Q-GB-SA)	47 BO/ 81 MCF/448 BW	68 %
Windfohr 4 Federal #8	(51120)Red Lake; Glorieta-Yeso	22 BO/ 51 MCF/295 BW	32 %

\* 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.**