

7/29/03 10/19/02 DHC DHC DHC PDLC0328056871

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

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

Form C-107A  
Revised May 15, 2000

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 3 Lot J Sec 4 T18S R27E Eddy  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No.6137 Property Code23718 API No.30-015-30468 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)	1884' - 2736'		2902' - 3240'
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:4/22/01 Rates:64-75-164	Date: Rates:	Date:12/18/00 Rates:53-55-472
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 60% 56 %	Oil Gas % %	Oil Gas 40% 44 %

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 TechnicianDATE 9/23/03

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

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. 30-015-30468 - Federal Well
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LC-061783-A
7. Lease Name or Unit Agreement Name Windfohr 4 Federal
8. Well No. 3
9. Pool name or Wildcat Red Lake (Q-GB-SA)

**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 J-2199 Feet From The South Line and 2278 Feet From The East Line

Section 4

Township 18S

Range 27E

NMPM

Eddy

County

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

3588' 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 1884' - 2736' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (2902' - 3240'). 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) 60%

51120 - Red Lake; Glorieta-Yeso 40%

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 June 5, 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

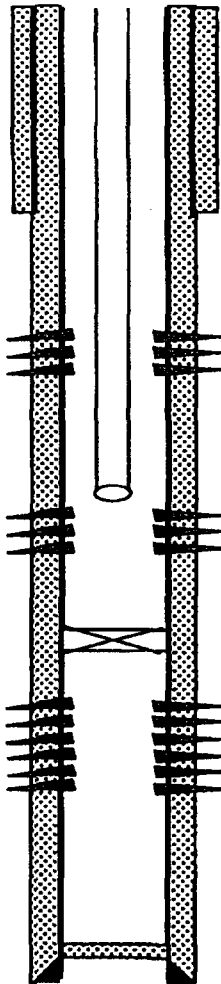
WELL NAME: Windfohr 4 Federal #3			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 4-T18S-R27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL=3588', KB 3600', DF 3599'			SPUD DATE: 11/10/00		COMP DATE: 11/24/00	
API#: 30-015-30468		PREPARED BY: Karen Cottom			DATE: 6/5/01	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 1296'	8 5/8"	24#	J-55	8rd ST&C	11"
CASING:	0 - 3795'	5 1/2"	15.5#	J-55	8RD LT&C	7 7/8"
CASING:						
CASING:						
TUBING:	0 - 2659'	2 7/8"				



CURRENT



PROPOSED



8 5/8" casing set @1,296' cmt w/100 sx Class "H" + 250 sx 35:65:6 + 200 sx "C"  
55 sx to surface

Upper San Andres Perforations:  
1884' - 2313' (25 holes)

2 7/8" tbg w/SN @2659'

Low San Andres Perforations:  
2580' - 2736' (24 holes)

CTBP @ 2850'

Yaso Perforations:  
2902' - 3240' (25 holes)

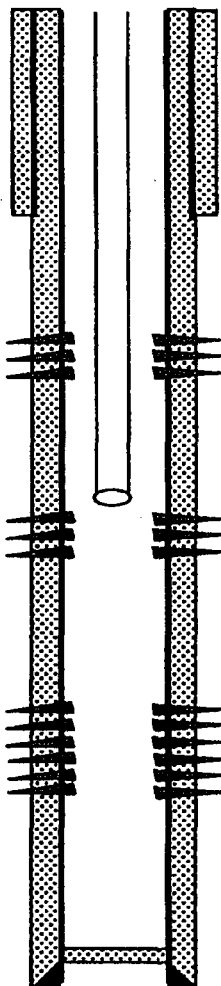
PBTD @ 3,751'

5 1/2" casing, set @3795' w/250 sx 35:65:6 + 600 sx 50:50 C. 43 sx cmt to surface  
TD @ 3,800'

# **DEVON ENERGY CORPORATION WELLBORE SCHEMATIC**

WELL NAME: Windfohr 4 Federal #3			FIELD: Red Lake (Q-GB-SA)			
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CASING:						
CASING:						
TUBING:	0 - 3404'	2 7/8"				

☐ CURRENT

☒ PROPOSED


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PBTD @ 3,751'  
5 1/2" casing, set @3795' w/250 sx 35:65:6 + 600 sx 50:50 C. 43 sx cmt to surface  
TD @ 3,800'

## Windfohr 4 Federal #3

### Allocation Formula

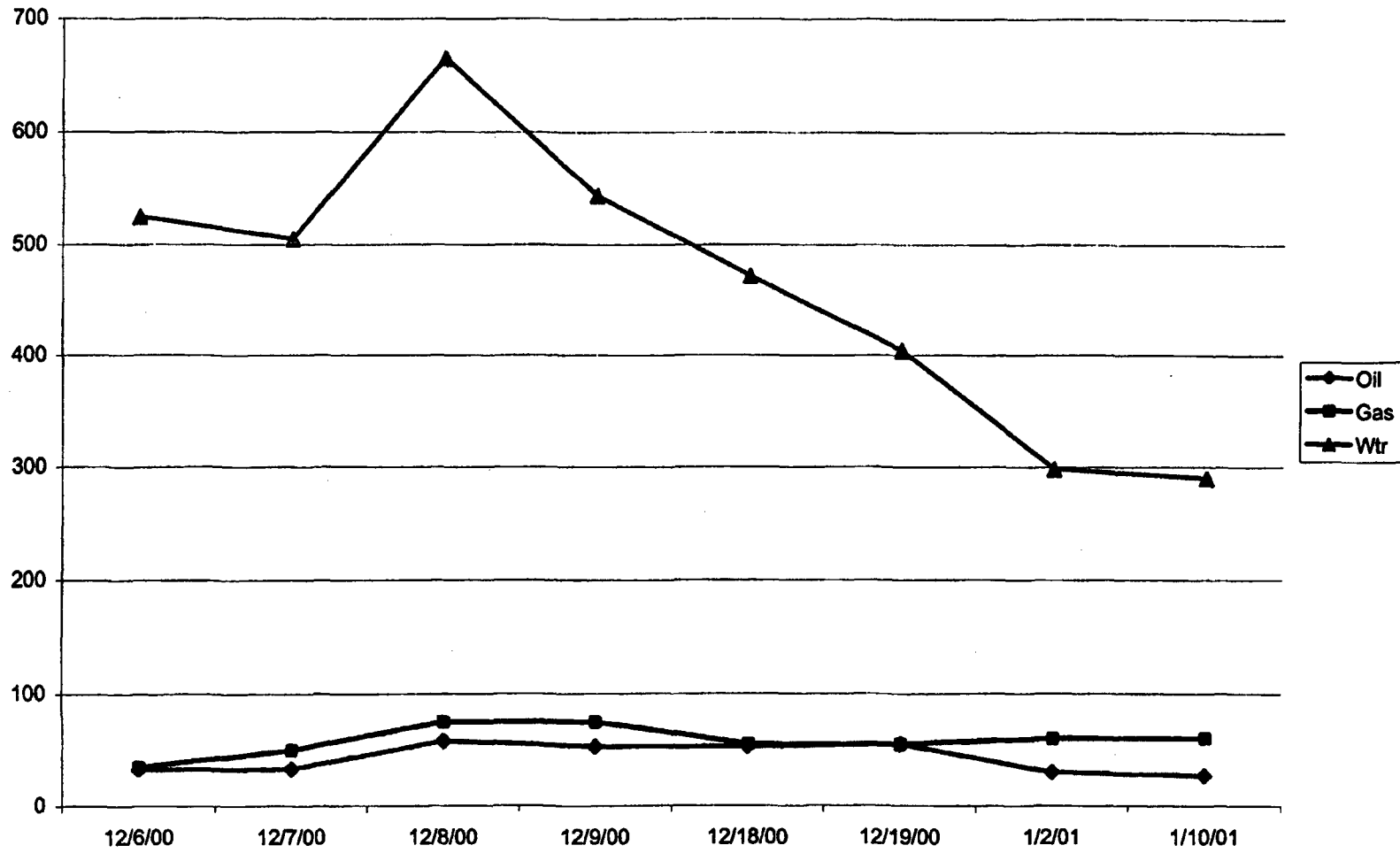
<u>Well Name</u>	<u>Producing Formation</u>	<u>*Daily Production Test 31-34 day average</u>	<u>% of Total Oil</u>
Windfohr 4 Fed #3	(51300) Red Lake (Q-GB-SA)	64 BO/72 MCF/183 BW	60 %
Windfohr 4 Fed #3	(51120) Red Lake; Glorieta-Yeso,	42 BO/58 MCF/462 BW	40 %

\* From attached production plots

The above production test represents stable production from the San Andres and the Yeso. We believe these rates of production represent an acceptable means to allocate production.

LEASE NAME	WellNo	Date	TEST HRS	RUN HRS	OIL	GAS	WTR	Comments	
	3								
		12/6/00	24	24	33	35	525		
		12/7/00	24	24	33	50	505		
		12/8/00	24	24	58	75	665		
		12/9/00	24	24	53	75	544		
		12/18/00	24	24	53	55	472		
		12/19/00	24	24	55	55	404		
		1/2/01	24	24	30	60	298		
		1/10/01	24	24	27	60	290	YESO	
34 Day Average 12/6 - 1/10					42.75	58.125	462.88		
		2/11/01	24	24	0	20	599	San Andres	
		2/12/01	24	24	42	45	578		
		2/13/01	24	24	102	90	630		
		2/16/01	24	24	157	120	554		
		2/18/01	24	24	139	116	496		
		2/20/01	24	24	138	115	396		
		2/22/01	24	24	133	125	375		
		2/24/01	24	24	135	125	322		
		2/28/01	24	24	138	120	336		
		3/2/01	24	24	120	110	387		
		3/5/01	24	24	128	126	381		
		3/10/01	24	24	108	110	381		
		3/15/01	24	24	100	110	325		
		3/19/01	24	24	95	105	276		
		3/23/01	24	24	92	105	275		
		3/27/01	24	24	83	95	239		
		3/30/01	24	24	78	88	220		
		4/3/01	24	24	69	80	208		
		4/6/01	24	24	71	85	225		
		4/22/01	24	24	64	75	164		
		4/26/01	24	24	61	65	191		
		4/30/01	24	24	67	65	163		
		5/4/01	24	24	55	65	150		
31 Day Average 4/3 - 5/4					64.5	72.5	183.5		
Total Both Zones					107.3	130.6	646.4		
Yeso %					40%	44%	72%		
San Andres %					60%	56%	28%		
Total Both Zones					100%	100%	100%		

# Yeso



# San Andres

