

9/29/03 10/19/03 Dec Dec DHC PDLC0328056688

**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

3207

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

**APPLICATION FOR DOWNHOLE COMMINGLING**

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

Windfohr 4 Federal Well No. 4 Unit Letter-Section-Township-Range K J Sec 4 T18S R27E County Eddy

OGRID No. 6137 Property Code 23718 API No. 30-015-30474 Lease Type:  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)	2057' - 2684'		2966' - 3280'
Method of Production (Flowing or Artificial Lift)	AI		AI
Bottomhole Pressure <small>(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)</small>			
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. <small>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)</small>	Date: 9/28/01 Rates: 63-112-183	Date: Rates:	Date: 7/5/01 Rates: 37-69-179
Fixed Allocation Percentage <small>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)</small>	Oil 67% Gas 67 %	Oil % Gas %	Oil 33% Gas 33 %

**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: 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) 228-7512**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1650' FSL & 2200' FEL, Sec 4-18S-27E, Unit K**

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

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Windfohr 4 Federal #4**

9. API Well No.  
**30-015-30474**

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

11. County or Parish, State  
**Eddy, 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 checked="" type="checkbox"/> Other <u>DHC Request</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 Red Lake (Q-GB-SA) perms (2057' - 2684') and with the existing Red Lake; Glorieta-Yeso, perms (2966' - 3280'). 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 67% Gas 67% Water 47%

51120 - Red Lake; Glorieta-Yeso, Oil 33% Gas 33% Water 53%

**SUBJECT TO  
LIKE APPROVAL  
BY STATE**

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 Title Engineering Technician Date October 10, 2001

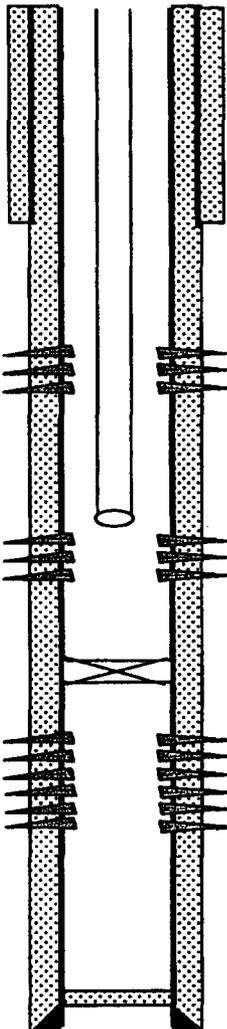
Approved by David R. Glass Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

**APPROVED**  
**OCT 22 2001**

**DEVON ENERGY CORPORATION  
WELLBORE SCHEMATIC**

WELL NAME: Windfohr 4 Federal #4			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 4-T18S-R27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL=3586'			SPUD DATE: 4/30/01		COMP DATE: 8/10/01	
API#: 30-015-30474		PREPARED BY: Karen Cottom			DATE: 10/10/01	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 1350'	8 5/8"	24#	J-55		12 1/4"
CASING:	0 - 3645'	5 1/2"	15.5#	J-55		7 7/8"
CASING:						
CASING:						
TUBING:	0 - 2617'	2 7/8"				

CURRENT       PROPOSED



8 5/8" casing set @1,350' cmt w/740 sx to surface

**Upper San Andres Perforations:**  
2057' - 2237' (23 holes)

2 7/8" tbg w/SN @2617'

**Low San Andres Perforations:**  
2593' - 2684' (30 holes)

**CIBP @ 2900'**

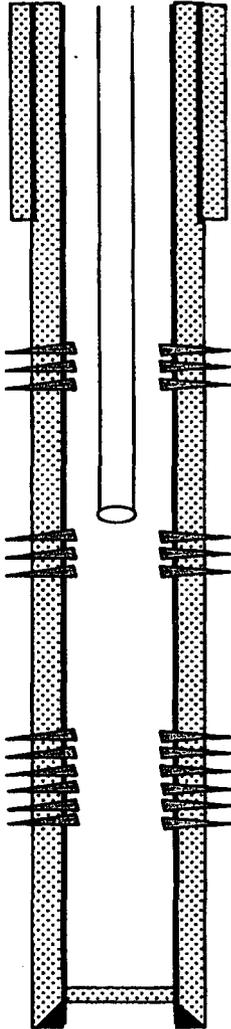
**Yeso Perforations:**  
2966' - 3280' (30 holes)

PBTD @ 3,582'  
5 1/2" casing, set @3645' w/729 sx cmt to surface  
TD @ 3,645'

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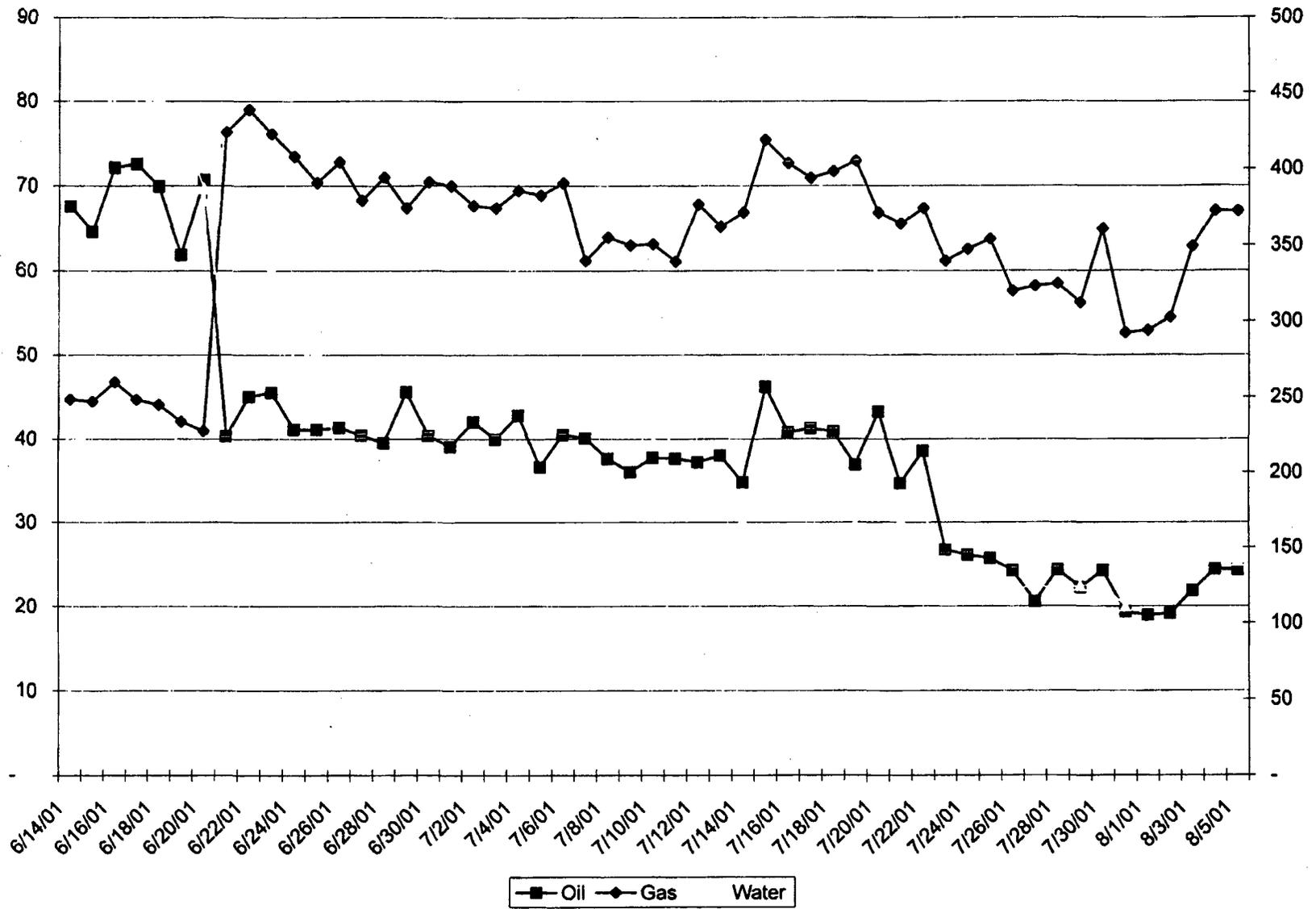
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2966' - 3280' (30 holes)

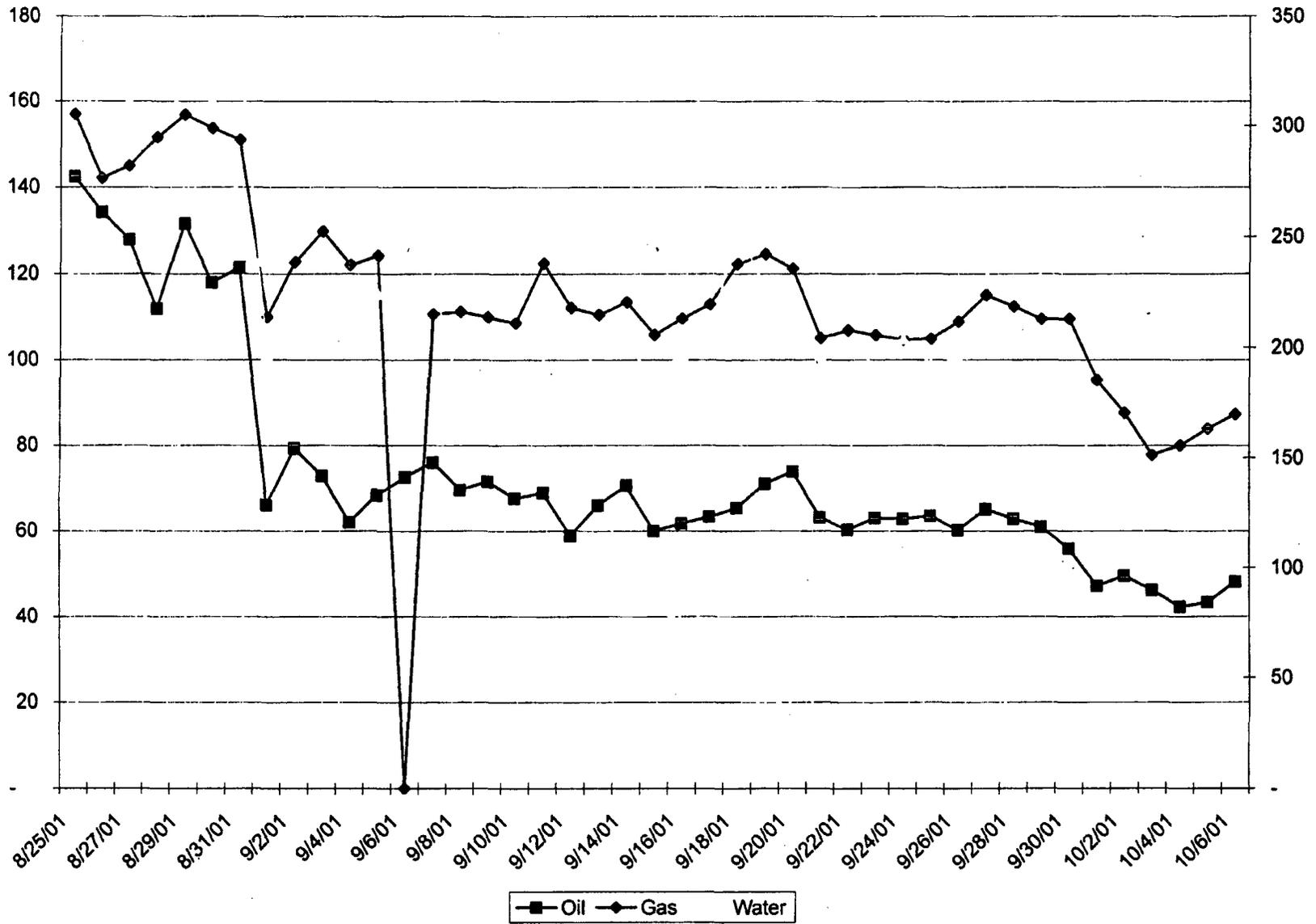
PBTD @ 3,582'  
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TD @ 3,645'

Date	Oill	Gas	Water		Date	Oill	Gas	Water
5/30/01	-	13	397		8/10/01	20	43	95
5/31/01	20	35	500		8/11/01	32	67	166
6/1/01	19	35	498		8/12/01	33	65	147
6/2/01	-	35	498		8/13/01	38	75	144
6/3/01	(9)	39	473		8/14/01	35	73	147
6/4/01	28	40	468		8/15/01	38	71	129
6/5/01	26	40	426		8/16/01	79	107	433
6/6/01	30	42	468		8/17/01	130	145	316
6/7/01	73	49	393		8/18/01	141	150	344
6/8/01	74	50	334		8/19/01	129	150	361
6/9/01	70	48	445		8/20/01	137	150	449
6/10/01	80	55	415		8/21/01	144	155	355
6/11/01	71	45	407		8/22/01	151	159	369
6/12/01	67	43	577		8/23/01	118	150	280
6/13/01	64	46	438		8/24/01	132	166	327
6/14/01	68	45	456		8/25/01	142	157	328
6/15/01	65	44	455		8/26/01	134	142	297
6/16/01	72	47	441		8/27/01	128	145	311
6/17/01	73	45	441		8/28/01	112	152	304
6/18/01	70	44	447		8/29/01	132	157	314
6/19/01	62	42	427		8/30/01	118	154	311
6/20/01	71	41	387		8/31/01	122	151	333
6/21/01	40	76	282		9/1/01	66	110	196
6/22/01	45	79	314		9/2/01	79	123	220
6/23/01	46	76	334		9/3/01	73	130	222
6/24/01	41	73	274		9/4/01	62	122	217
6/25/01	41	70	281		9/5/01	68	124	224
6/26/01	41	73	203		9/6/01	73	-	220
6/27/01	40	68	196		9/7/01	76	111	231
6/28/01	40	71	179		9/8/01	70	111	177
6/29/01	46	67	202		9/9/01	72	110	178
6/30/01	40	70	195		9/10/01	68	109	174
7/1/01	39	70	188		9/11/01	69	123	192
7/2/01	42	68	191		9/12/01	59	112	171
7/3/01	40	67	190		9/13/01	66	110	204
7/4/01	43	69	199		9/14/01	71	114	200
7/5/01	37	69	179		9/15/01	60	106	187
7/6/01	41	70	186		9/16/01	62	110	197
7/7/01	40	61	193		9/17/01	63	113	209
7/8/01	38	64	182		9/18/01	65	122	252
7/9/01	36	63	182		9/19/01	71	125	228
7/10/01	38	63	183		9/20/01	74	121	228
7/11/01	38	61	180		9/21/01	63	105	196
7/12/01	37	68	184		9/22/01	60	107	181
7/13/01	38	65	175		9/23/01	63	106	199
7/14/01	35	67	167		9/24/01	63	105	204
7/15/01	46	75	205		9/25/01	64	105	192
7/16/01	41	73	176		9/26/01	60	109	195
7/17/01	41	71	180		9/27/01	65	115	179
7/18/01	41	72	185		9/28/01	63	112	183
7/19/01	37	73	165		9/29/01	61	110	172
7/20/01	43	67	185		9/30/01	56	110	191
7/21/01	35	66	165		10/1/01	47	95	134
7/22/01	39	67	178		10/2/01	50	88	135
7/23/01	27	61	123		10/3/01	46	78	129
7/24/01	26	63	117		10/4/01	42	80	131
7/25/01	26	64	123		10/5/01	43	84	121
7/26/01	24	58	121		10/6/01	48	87	136
7/27/01	21	58	126		10/7/01	-	-	136
7/28/01	24	58	121		San Andres	76	112	224
7/29/01	22	56	125					
7/30/01	24	65	126					
7/31/01	19	53	111		Total	114	167	475
8/1/01	19	53	135		Yeso	33%	33%	53%
8/2/01	19	54	141		San Andres	67%	67%	47%
8/3/01	22	63	139					
8/4/01	24	67	155					
8/5/01	24	67	141					
8/6/01	-	-	-					
8/7/01	-	-	-					
8/8/01	-	-	-					
8/9/01	-	-	-					
Yeso	37	55	251					

Yeso



San Andres



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>30-015-30474 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>4</b>
9. Pool name or Wildcat <b>Red Lake (Q-GB-SA) &amp; Glorieta-Yeso</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 K: 1650' Feet From The South    Line and 2200' Feet From The East    Line

Section 4    Township 18S    Range 27E    NMPM    Eddy    County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3586' 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 Red Lake (Q-GB-SA) perfs (2057' – 2684') and with the existing Red Lake; Glorieta-Yeso, perfs (2966' – 3280'). 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 67% Gas 67% Water 47%

51120 – Red Lake; Glorieta-Yeso, Oil 33% Gas 33% Water 53%

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 10, 2001

TYPE OR PRINT NAME Karen Cottom    TELEPHONE NO. (405) 235-3611

(This space for State use)

Approved by \_\_\_\_\_    TITLE \_\_\_\_\_    DATE \_\_\_\_\_

Conditions of approval, if any: