

9/29/03 10/19/03 DHC DHC DHC PDHC0328053626

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

3200

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. Address **20 N. Broadway, Suite 1500, Oklahoma City, OK 73102**
Operator

Windfohr 4 Federal **7** **P Sec 4 T18S R27E** **Eddy**
Lease Well No. Unit Letter Section-Township-Range County

OGRID No. **6137** Property Code **23718** API No. **30-015-30460** 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)	2080' - 2770'		3030' - 3223'
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		39.4
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: 10/6/01 Rates: 97-131-281	Date: Rates:	Date: 7/17/01 Rates: 21-35-143
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 82% 76 %	Oil Gas % %	Oil Gas 18% 24 %

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

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)
1140' FSL & 1105' FEL, Sect 4-T18S-R27E, Unit P

5. Lease Designation and Serial No.
LC061783-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Windfohr 4 Federal #7

9. API Well No.
30-015-30460

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	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other DHC Request	☐ 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) perfs (2080' - 2770') and with the existing Red Lake; Glorieta-Yeso perfs (3030' - 3223'). 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 82% Gas 76%

51120 - Red Lake; Glorieta-Yeso Oil 18% Gas 24%

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. Cotton

Karen A. Cotton

Title Engineering Technician

Date December 5, 2001

(This space for Federal or State office use)

Approved by Alexis C. Swoboda
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date DEC 11 2001



ENERGY CORPORATION

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

RECEIVED

2001 DEC 7 4:28 PM
Telephone 405/228-7512
FAX 405/552-4667

BUREAU OF LAND MGMT.
RCS TELL OFFICE

December 5, 2001

Certified Mail No. 7001 0320 0003 8815 7500

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

RE: Downhole Commingling
Windfohr 4 Federal #7
Section 4-18S-27E Unit P
API #30-015-30460
Red Lake (Q-GB-SA) and
Red Lake (Glorieta-Yeso), fields
Eddy County, NM

Gentlemen:

Concerning the referenced enclosed please find the Form 3160-5 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

c: OCD w/C103 Sundry Notice of Intent & attachments

Windfohr 4 Federal #7

Allocation Formula

Well Name	Producing Formation	*Daily Production Test	% of Total Oil
		3-4 month average	
Windfohr 4 Federal #7	(51300)Red Lake (Q-GB-SA)	21 BO/ 38 MCF/ 257 BW	18 %
Windfohr 4 Federal #7	(51120)Red Lake; Glorieta-Yeso	97 BO/ 120MCF/ 250 BW	82 %

* 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.**

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. 30-015-30460 Federal Well
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No. LC-061783-A
7. Lease Name or Unit Agreement Name Windfohr 4 Federal
8. Well No. 7
9. Pool name or Wildcat Red Lake (Q-GB-SA) & Glorieta-Yeso

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 **P-1140** Feet From The **South** Line and **1105** Feet From The **East** Line

Section **4** Township **18S** Range **27E** NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3578' 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 (2080' - 2770') and with the existing Red Lake; Glorieta-Yeso perfs (3030' - 3223'). 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 December 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 _____

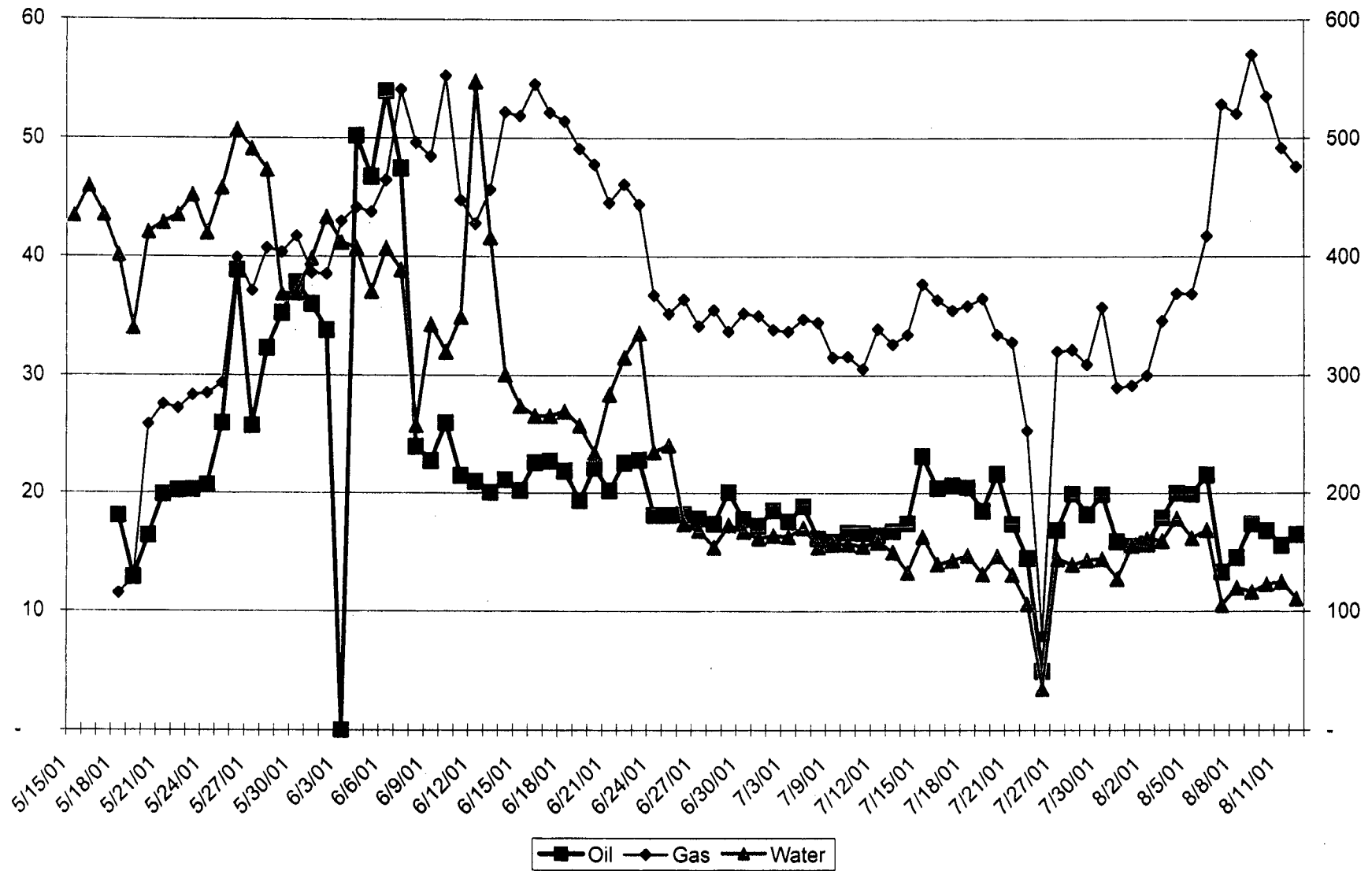
DATE _____

Date	Oil	Gas	Water	Strokes	Casing Pressure (1)	Tubing Pressure	Date	Oil	Gas	Water	Strokes	Casing Pressure (1)	Tubing Pressure
5/15/01			435	12	35	200	8/17/01	13	46	93	13	-	200
5/16/01			460	12	35	200	8/18/01	13	46	101	13	-	200
5/17/01			436	12	35	200	8/19/01	13	46	100	13	40	200
5/18/01	18	12	402	12	35	200	8/20/01	14	46	125	13	60	200
5/19/01	13	13	340	12	30	200	8/21/01	15	48	99	13	60	200
5/20/01	16	26	421	12	30	200	8/22/01	15	49	103	13	60	200
5/21/01	20	28	429	13	40	200	8/23/01	104	52	334	13	60	200
5/22/01	20	27	436	13	50	200	8/24/01	95	53	211	13	60	200
5/23/01	20	28	452	13	50	200	8/25/01	145	52	296	13	60	200
5/24/01	21	28	420	13	50	200	8/26/01	156	120	249	13	60	200
5/25/01	26	29	458	13	50	200	8/27/01	149	123	260	13	60	200
5/26/01	39	40	507	13	50	200	8/28/01	130	128	254	13	60	200
5/27/01	26	37	491	13	50	200	8/29/01	153	133	263	13	60	200
5/28/01	32	41	473	13	50	200	8/30/01	137	130	260	13	60	200
5/29/01	35	40	369	13	50	200	8/31/01	141	128	278	13	60	200
5/30/01	38	42	369	13	50	200	9/1/01	146	134	261	13	60	200
5/31/01	36	39	399	13	50	200	9/2/01	175	150	292	13	60	200
6/1/01	34	39	434	13	50	200	9/3/01	161	159	295	13	60	200
6/3/01	-	43	412	13	50	200	9/4/01	137	149	288	13	60	200
6/4/01	50	44	407	13	50	200	9/5/01	151	152	298	13	60	200
6/5/01	47	44	371	13	50	200	9/6/01	142	-	272	13	60	200
6/6/01	54	46	407	13	50	200	9/7/01	148	148	286	13	60	200
6/7/01	47	54	389	13	50	200	9/8/01	141	148	268	13	60	200
6/8/01	24	50	257	13	50	200	9/9/01	145	147	270	13	60	200
6/9/01	23	48	343	13	50	200	9/10/01	137	145	264	13	60	200
6/10/01	26	55	320	13	50	200	9/11/01	140	163	290	13	60	200
6/11/01	21	45	349	13	50	200	9/12/01	119	150	258	13	60	200
6/12/01	21	43	548	13	50	200	9/13/01	134	147	309	13	60	200
6/13/01	20	46	416	13	50	200	9/14/01	143	151	303	13	60	200
6/14/01	21	52	301	13	50	200	9/15/01	122	141	283	13	60	200
6/15/01	20	52	274	13	50	200	9/16/01	125	146	298	13	60	200
6/16/01	23	55	266	13	50	200	9/17/01	129	151	316	13	60	200
6/17/01	23	52	266	13	50	200	9/18/01	133	163	381	13	60	200
6/18/01	22	51	269	13	50	200	9/19/01	144	166	344	13	60	200
6/19/01	19	49	257	13	50	200	9/20/01	150	162	345	13	60	200
6/20/01	22	48	233	13	50	200	9/21/01	128	140	297	13	60	200
6/21/01	20	45	284	13	50	200	9/22/01	122	143	274	13	60	200
6/22/01	23	46	315	13	50	200	9/23/01	128	141	302	13	60	200
6/23/01	23	44	336	13	50	200	9/24/01	127	140	309	13	60	200
6/24/01	18	37	234	13	50	200	9/25/01	129	140	291	13	60	200
6/25/01	18	35	240	13	50	200	9/26/01	122	145	295	13	60	200
6/26/01	18	36	174	13	50	200	9/27/01	96	134	266	13	60	200
6/27/01	18	34	168	13	50	200	9/28/01	93	131	273	13	60	200
6/28/01	17	36	154	13	50	200	9/29/01	90	128	255	13	60	200
6/29/01	20	34	173	13	50	200	9/30/01	83	128	283	13	60	200
6/30/01	18	35	167	13	50	200	10/1/01	95	143	278	13	60	200
7/1/01	17	35	161	13	50	200	10/2/01	100	131	279	13	60	200
7/2/01	19	34	164	13	50	200	10/3/01	93	117	268	13	60	200
7/3/01	18	34	163	13	50	200	10/4/01	85	120	271	13	60	200
7/4/01	19	35	170	13	50	200	10/5/01	88	126	251	13	60	200
7/5/01	16	34	154	13	50	200	10/6/01	97	131	281	13	60	200
7/9/01	16	32	156	13	50	200	10/7/01	95	128	284	13	60	200
7/10/01	17	32	156	13	50	200	10/8/01	98	138	278	13	60	200
7/11/01	17	31	154	13	50	200	10/9/01	90	133	256	13	60	200
7/12/01	16	34	158	13	50	200	10/10/01	91	144	276	13	60	200
7/13/01	17	33	149	13	50	200	10/11/01	73	172	300	13	60	200
7/14/01	17	33	132	13	50	200	10/12/01	81	159	295	13	18	200
7/15/01	23	38	163	13	50	200	10/13/01	73	158	284	13	18	200
7/16/01	20	36	139	13	50	200	10/14/01	82	124	358	13	18	200
7/17/01	21	35	143	13	50	200	10/15/01	86	125	307	13	18	200
7/18/01	20	36	147	13	50	200	10/16/01	81	120	296	13	18	200
7/19/01	18	36	131	13	50	200	10/17/01	82	121	298	13	15	200
7/20/01	22	33	147	13	50	200	10/18/01	78	122	256	13	15	200
7/21/01	17	33	131	13	50	200	10/19/01	81	125	278	13	15	200
7/22/01	14	25	106	13	50	200	10/20/01	80	119	241	13	15	200

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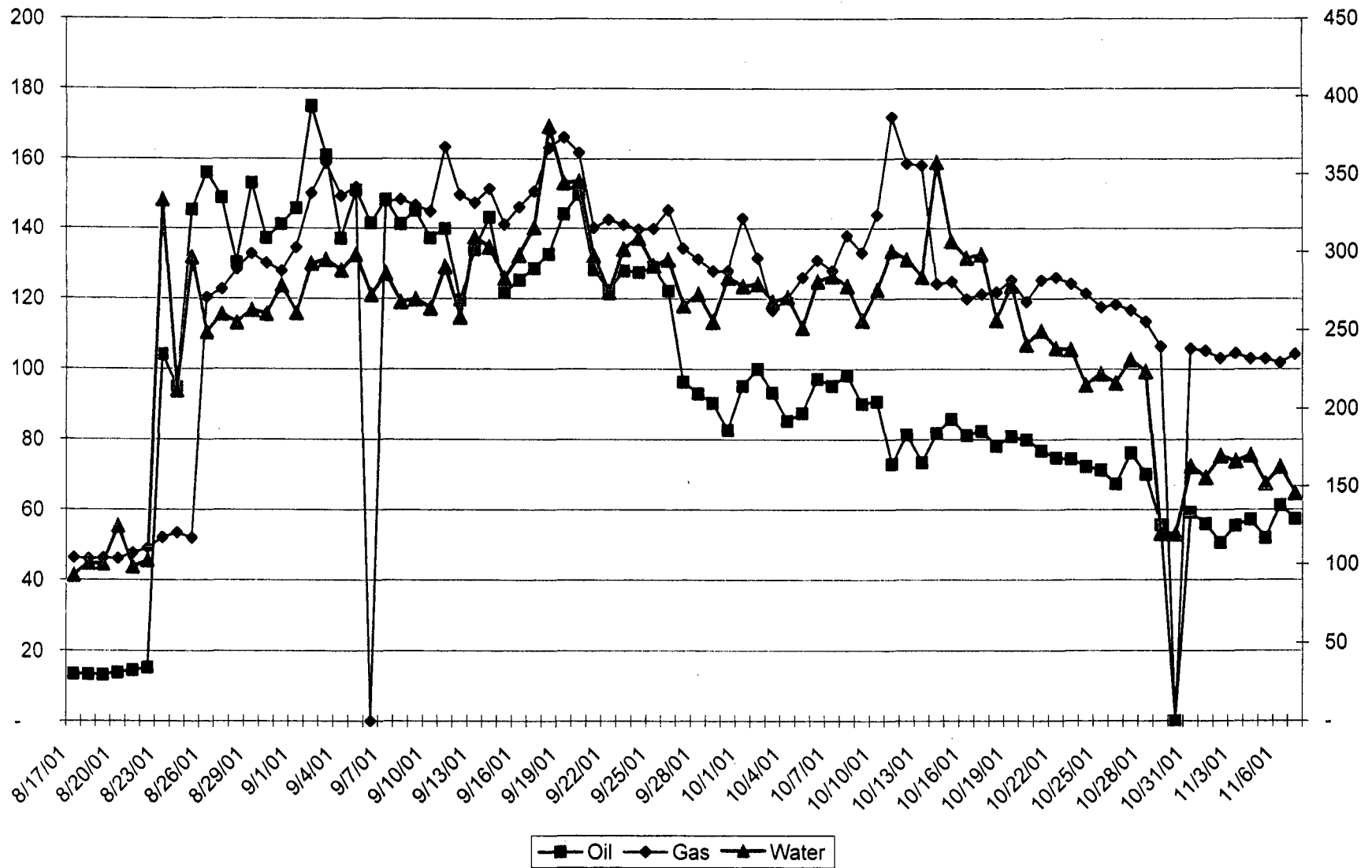
YESO

YESO



SAN ANDRES

SAN ANDRES



DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

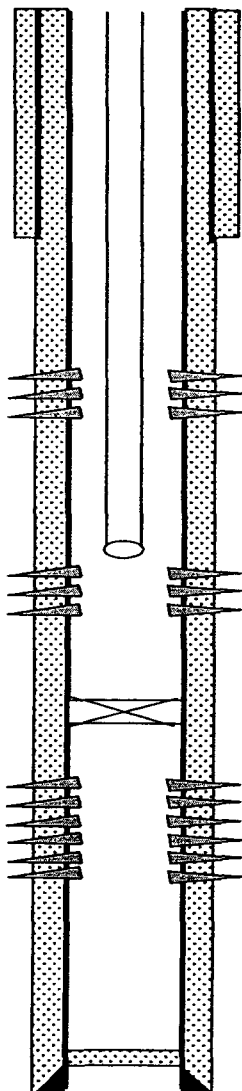
WELL NAME: Windfohr 4 Federal #7			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 4-T18S-R27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL=3578'			SPUD DATE: 4/20/01		COMP DATE: 8/17/01	
API#: 30-015-30460		PREPARED BY: Karen Cottom			DATE: 12/5/01	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	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 @1,351 cmt w/615 sx to surface

Upper San Andres Perforations:

2080' - 2306' (30 holes)

2 7/8" tbg w/SN @2780'

Low San Andres Perforations:

2675' - 2770' (22 holes)

CIBP @ 2950'**Yeso Perforations:**

3030' - 3223' (26 holes)

PBTD @ 3580'

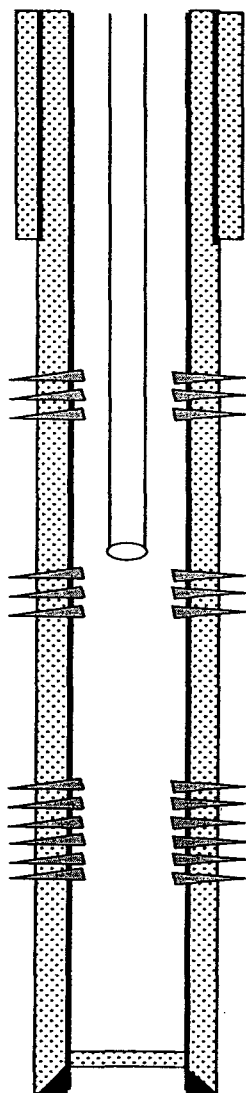
5 1/2" casing, set @3620' w/890 sx cmt to surface

TD @ 3,620'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Windfohr 4 Federal #7			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 4-T18S-R27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL=3578'			SPUD DATE: 4/20/01		COMP DATE: 8/17/01	
API#: 30-015-30460		PREPARED BY: Karen Cottom			DATE: 12/5/01	
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:						
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☐ CURRENT

☒ PROPOSED


8 5/8" casing set @1,351 cmt w/615 sx to surface

Upper San Andres Perforations:

2080' - 2306' (30 holes)

2 7/8" tbg w/SN @2780'

Low San Andres Perforations:

2675' - 2770' (22 holes)

Yeso Perforations:

3030' - 3223' (26 holes)

PBTD @ 3580'

5 1/2" casing, set @3620' w/890 sx cmt to surface

TD @ 3,620'