NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3district.htm

GARY E. JOHNSON
Governor

Jennifer A. Salisbury
Cabinet Secretary

August 11, 1999

Ms Yolanda Perez
Conoco, Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

Re: FC State Com #24, M-36-30N-12W, API # 30-045-28177
Application For Tubingless Exception To Rule 107

Dear Ms Perez:

Your request to pull tubing in the referenced well and install a casing plunger is hereby granted. This action may produce gas and lift oil and water more efficiently that could result in the recovery of additional reserves. If the plunger is removed after installation, tubing must be re-run before the well is allowed to produce.

If you have any questions, please contact this office.

Yours truly,

Ernie Busch

Ernie Busch
District Geologist/Deputy O&G Inspector

EB/mk

Xc: Roy Johnson-Santa Fe
Well File

FC STATE COM #24. tbx

CONOCO INC
KAY MADDOX
10 DESTA DR STE 100W
MIDLAND TX 79705

June 21, 1999

Mr. Ernie Busch
New Mexico Oil Conservation Division – Aztec District Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: **Application for Tubingless Exception to Rule 107**

Redfern #5
API # 30-045-07554
Section 10, T-28-N, R-11-W, N

Dustin #1
API 30-045-08708
Section 6, T-29-N, R-12-W, J

[redacted] #24
API # 30-045-28177
Section 36, T-30-N, R-12-W, M

Dear Mr. Busch,

An exception to Rule 107, requiring the above listed wells to be produced with tubing, is requested. It is believed that producing the well tubingless will increase the producing rate efficiency and maximize recovery from this well. The purpose for removing the tubing from this well is to allow the use of the new innovative casing plunger that allows continuos gas flow while at the same time automatically lifting produced oil and water volumes.

Whereas requests and application for tubingless completions have typically been for newer, high rate gas wells in an effort to reduce the flow restrictions of tubing, these three wells are marginal low rate producers whose production has been restricted by fluid loading. Due to overloading and downtime the referenced wells are not producing at their maximum ability.

The discovery of the new innovative casing plunger seems to offer a more efficient producing solution. Conoco, Inc. was granted permission to use this tool on the Ohio #1 By Order TX 278 dated 12/15/97. This new innovative approach (to the San Juan) for increasing the producing efficiency and ultimate recovery of mature depleted gas wells has been extremely successful as evidenced in the Ohio #1.

To configure the wellbores for use with the casing plungers the production tubing will be removed and the casing pressure tested for leaks and drift. A casing scraper will be used to clean out the interior casing surface and then re-pressure tested.
A downhole collar stop and casing plunger catcher will be installed in the first collar above the top perforation (refer to wellbore schematic). At the surface, the wellhead will be configured with a plunger catcher and a bypass with an automated controller. The plunger is automatically dropped when a fluid loading problem is detected by the surface controller while allowing continuous gas flow through its internal bypass valve.

Conoco, Inc. requests that they be granted an exception to Rule 107 for the above referenced wells to continue this tubingless operation to fully optimize and economically produce the three mature and depleted Dakota gas wells. If there are additional questions regarding this application please call me at (915) 686-5798.

Sincerely yours,

Kay Maddox

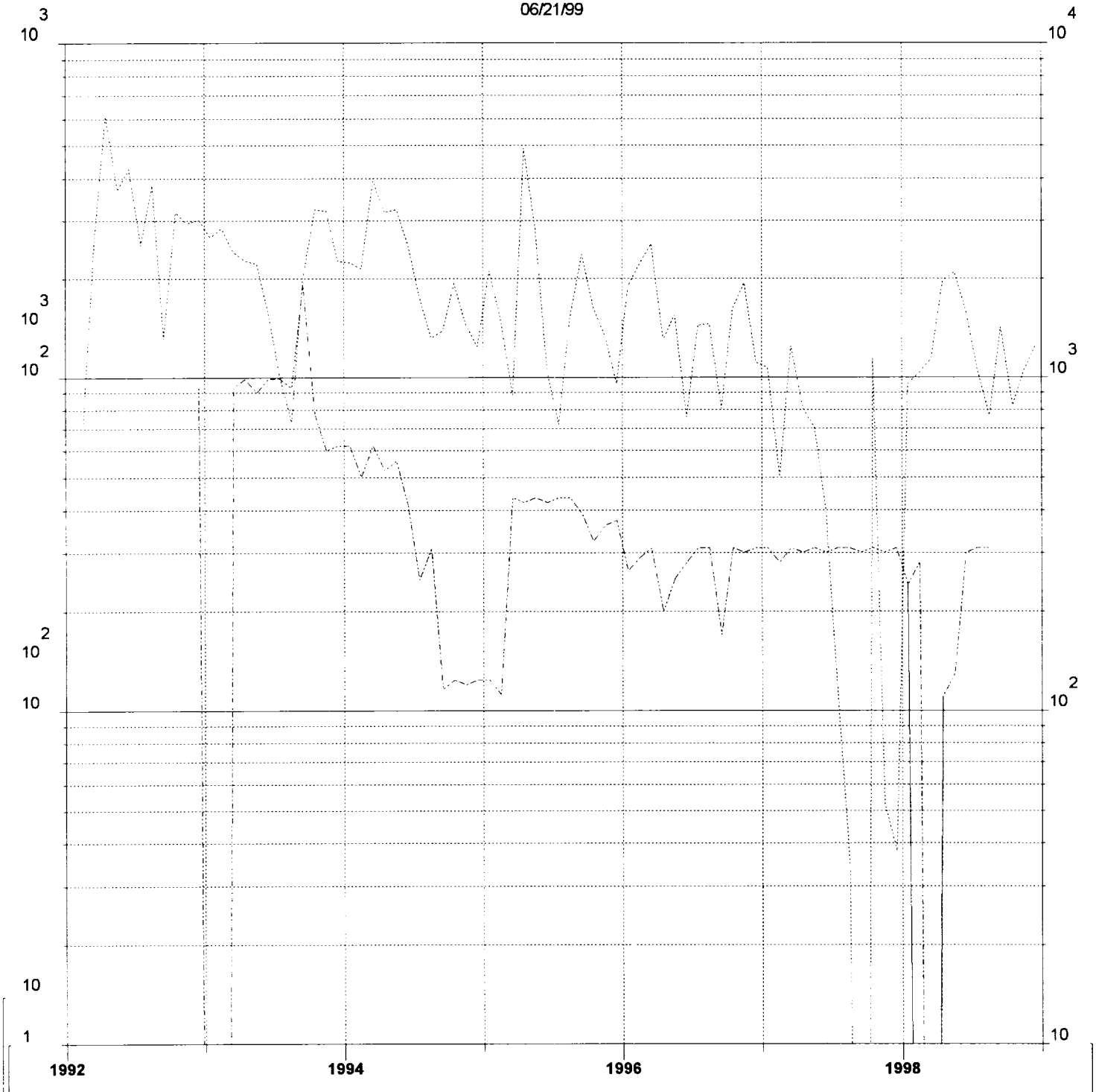
Kay Maddox
Regulatory Agent – Conoco, Inc.

Dwights

Lease: FC STATE COM (24)

06/21/99

Retrieval Code: 251,045,30N12W36M00FT



Oil (bbl/mo) _____

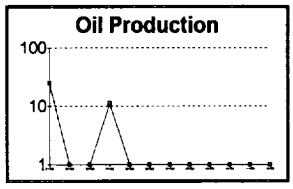
Water (bbl/mo) .....

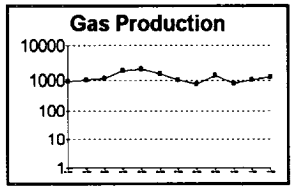
Gas (mcf/mo) .....

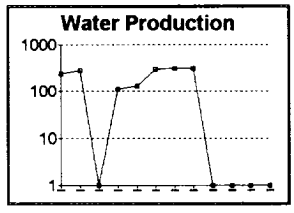
County: SAN JUAN, NM	F.P. Date: 02/92
Field: BASIN (FRUITLAND COAL) FT	Oil Cum: 35 bbl
Reservoir: FRUITLAND COAL	Gas Cum: 148.5 mmcf
Operator: CONOCO INC	Location: 36M 30N 12W

Lease:	FC STATE COM	Well #:	24	FP Date:	92-02
Field:	BASIN (FRUITLAND COAL) FT	Location:	36M 30N 12W	LP Date:	98-12
Operator:	CONOCO INC	Liquid Cum:	35 bbls	Liq Since:	FPDATE
RCI #:	251,045,30N12W36M00FT	Gas Cum:	148,540 mcf	Gas Since:	FPDATE
API #:	30-045-28177-00	Status:	ACT GAS		

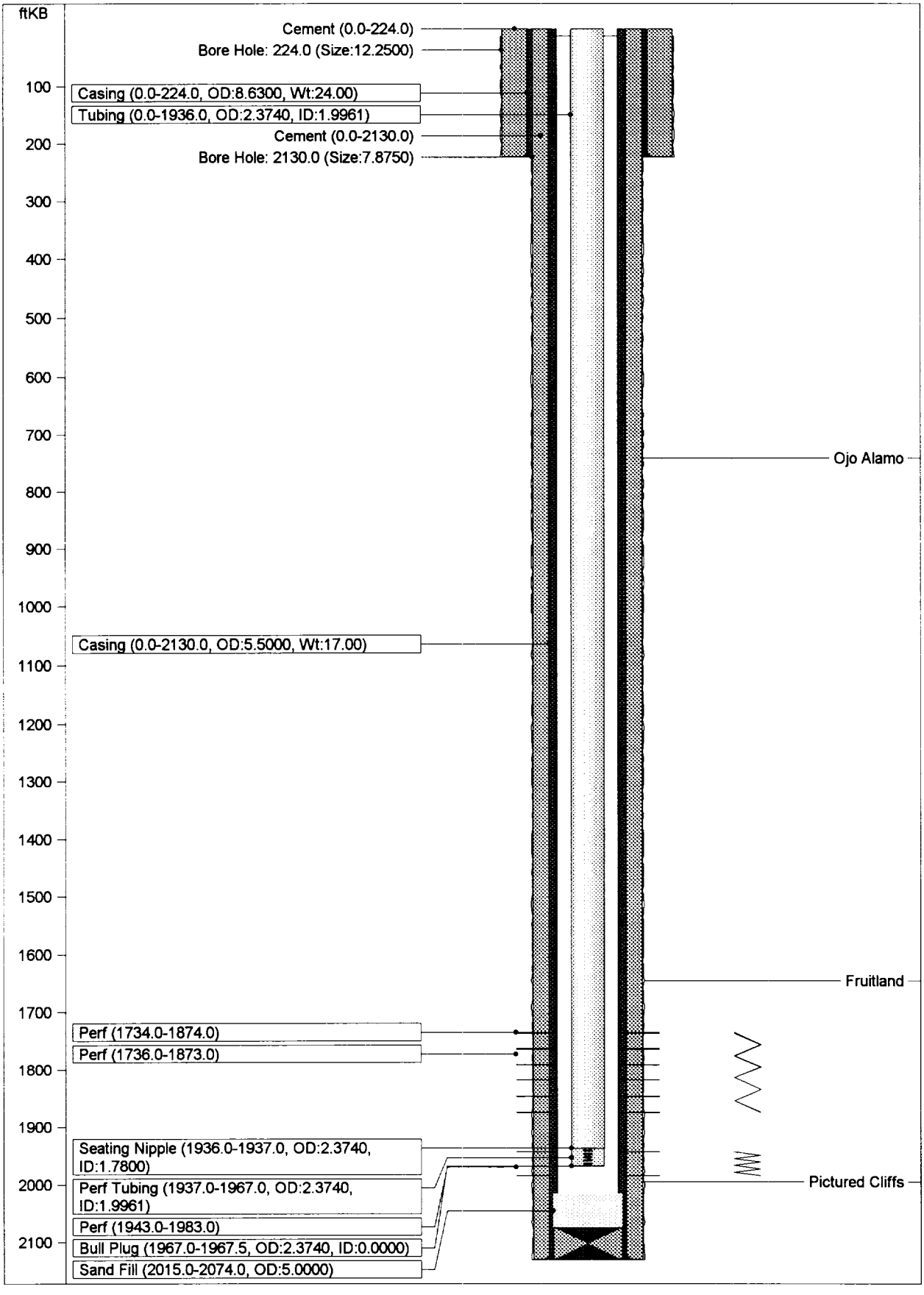
DATE	OIL, BBLs	GAS, MCF	WATER, BBLs	WELLS
01/1998	24	954	240	1
02/1998	0	1,035	280	1
03/1998	0	1,141	0	1
04/1998	11	1,963	110	1
05/1998	0	2,092	130	1
06/1998	0	1,600	300	1
07/1998	0	1,053	310	1
08/1998	0	769	310	1
09/1998	0	1,418	0	1
10/1998	0	823	0	1
11/1998	0	1,050	0	1
12/1998	0	1,248	0	1
Total	35	15,146	1,680	







FC STATE COM 24 (LFW 10/24/97)



FC STATE COM 24 (LFW 10/24/97)

FC STATE COM 24 (LFW 10/24/97)			
API Code	300452817700	Field Code	676394377
TD	2130.0 ftKB	Basin	SAN JUAN BASIN
PBTD	2074.0 ftKB	Basin Code	580
State	New Mexico	Permit	27-Aug-90
County	SAN JUAN	Spud	09-Oct-90
District	San Juan O.U.	Finish Drl	11-Oct-90
Permit No.	Coal	Completion	30-Oct-90
TD Measured	2130 ftKB	Abandon	
Reservoir	Fruitland Coal		
Field	BASIN FRUITLAND COAL		

Event History

Date	Event	Description
31-Aug-93	Tub Run	2.3740 in Bull Plug, ID: 0.0000in, 2.3740 in Perf Tubing, Jnts: 1, ID: 1.9961in, 2.3740 in Seating Nipple, ID: 1.7800in, 2.3740 in Tubing, Jnts: 62, ID: 1.9961in
30-Aug-93	Cas Run	5.0000 in Sand Fill, ID: 5.0000in
20-Nov-90	Note	Initial Potential: P 78 MCFGPD on 1 1/2 ck, 0 B/O, 105 BWPD, TP 110 CP110
22-Oct-90	Stim/Treat	Fracture, 1734.0 - 1874.0ftKB
22-Oct-90	Perf	1734.0 - 1874.0ftKB, 4.0/ft
21-Oct-90	Stim/Treat	Fracture, 1736.0 - 1873.0ftKB
21-Oct-90	Perf	1736.0 - 1873.0ftKB, 4.0/ft
20-Oct-90	Stim/Treat	Fracture, 1943.0 - 1983.0ftKB
20-Oct-90	Perf	1943.0 - 1983.0ftKB, 4.0/ft
14-Oct-90	Other Run	Cement Plug, 2074.0 - 2130.0ftKB, OD: 5.0000in, 8/30/83 TOF @ 2015' (59' Fill)
14-Oct-90	Log	GR-CBL, 30.0 - 2073.0ftKB, Petro
12-Oct-90	Cas Cmnt	Production Casing, Top Found At 0.0ftKB, With 525sx
12-Oct-90	Cas Run	5.5000 in Casing, Jnts: 49, ID: 4.8900in
11-Oct-90	Log	GR-C, 224.0 - 2129.0ftKB, Atlas, DEN/NEU, 224.0 - 2129.0ftKB, Atlas, IND, 224.0 - 2128.0ftKB, Atlas
11-Oct-90	Bore Hole	7.8750in, Depth 2130.0ftKB
09-Oct-90	Cas Cmnt	Surface Casing, Top Found At 0.0ftKB, With 150sx
09-Oct-90	Cas Run	8.6300 in Casing, Jnts: 5, ID: 8.1000in
09-Oct-90	Bore Hole	12.2500in, Depth 224.0ftKB