



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
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[http://emnr.state.nm.us/ocd/District III/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

GARY E. JOHNSON
Governor

Jennifer A. Sallsbury
Cabinet Secretary

August 11, 1999

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

Re: Redfern #5, N-10-28N-11W, API # 30-045-07554
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
District Geologist/Deputy O&G Inspector

EB/mk

Xc: Roy Johnson-Santa Fe
Well File

RED FERN #5 - 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**

[REDACTED]
API # 30-045-07554
N - Section 10, T-28-N, R-11-W, N

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

FC State COM # 24
API # 30-045-28177
Section 36, T-30-N, R-12-W, M

RECEIVED
JUN 23 1999
ONE DIV.

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 continuous 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,

A handwritten signature in black ink that reads "Kay Maddox". The signature is written in a cursive, flowing style.

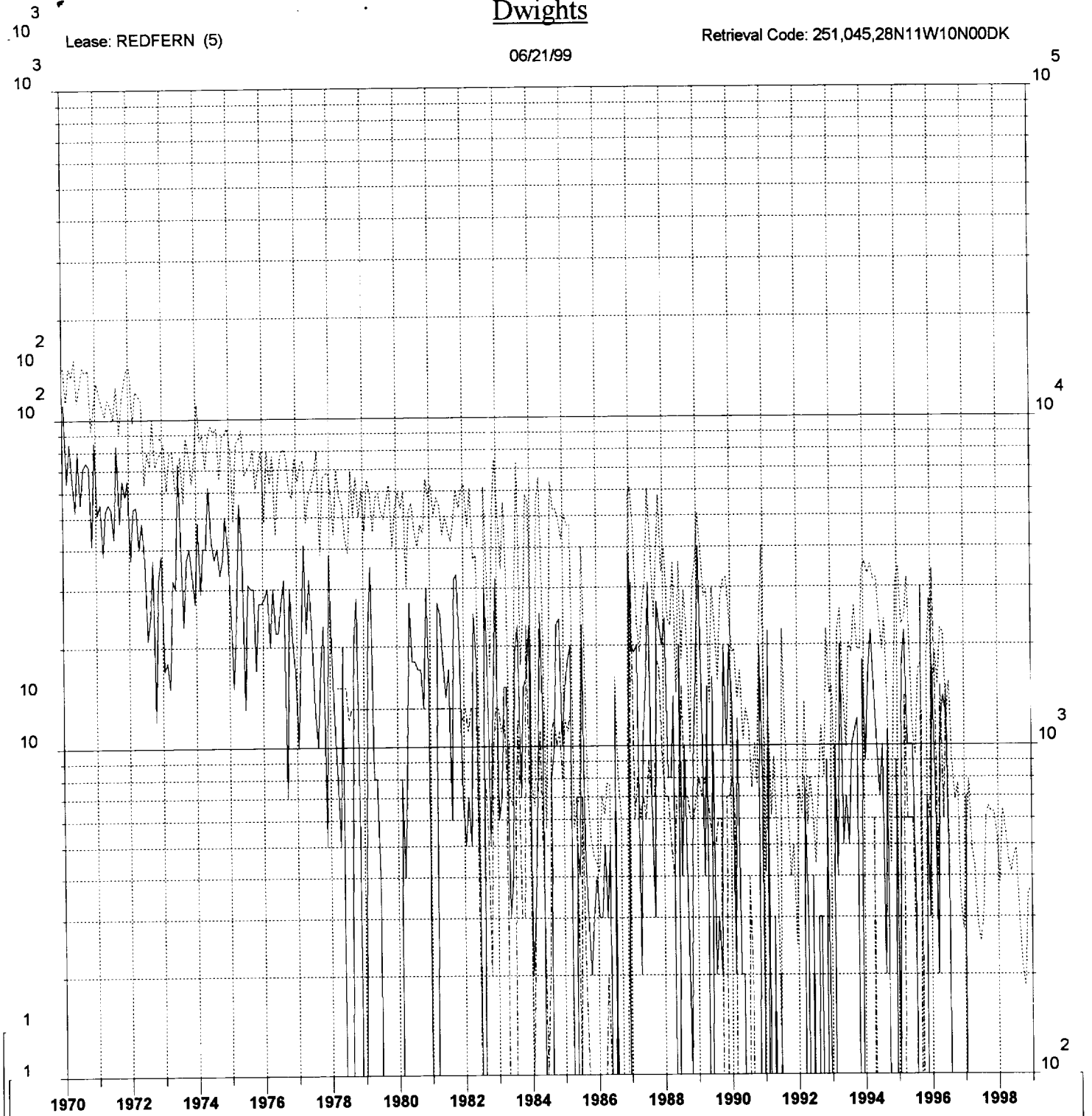
Kay Maddox
Regulatory Agent – Conoco, Inc.

Dwights

Lease: REDFERN (5)

Retrieval Code: 251,045,28N11W10N00DK

06/21/99



Oil (bbl/mo)

County: SAN JUAN, NM

F.P. Date: 12/61

Gas (mcf/mo)

Water (bbl/mo)

Field: BASIN (DAKOTA) DK

Oil Cum: 18.31 mbbl

Reservoir: DAKOTA

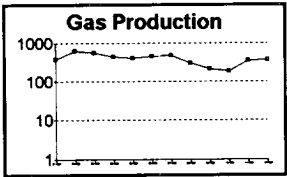
Gas Cum: 3029 mmcf

Operator: CONOCO INC

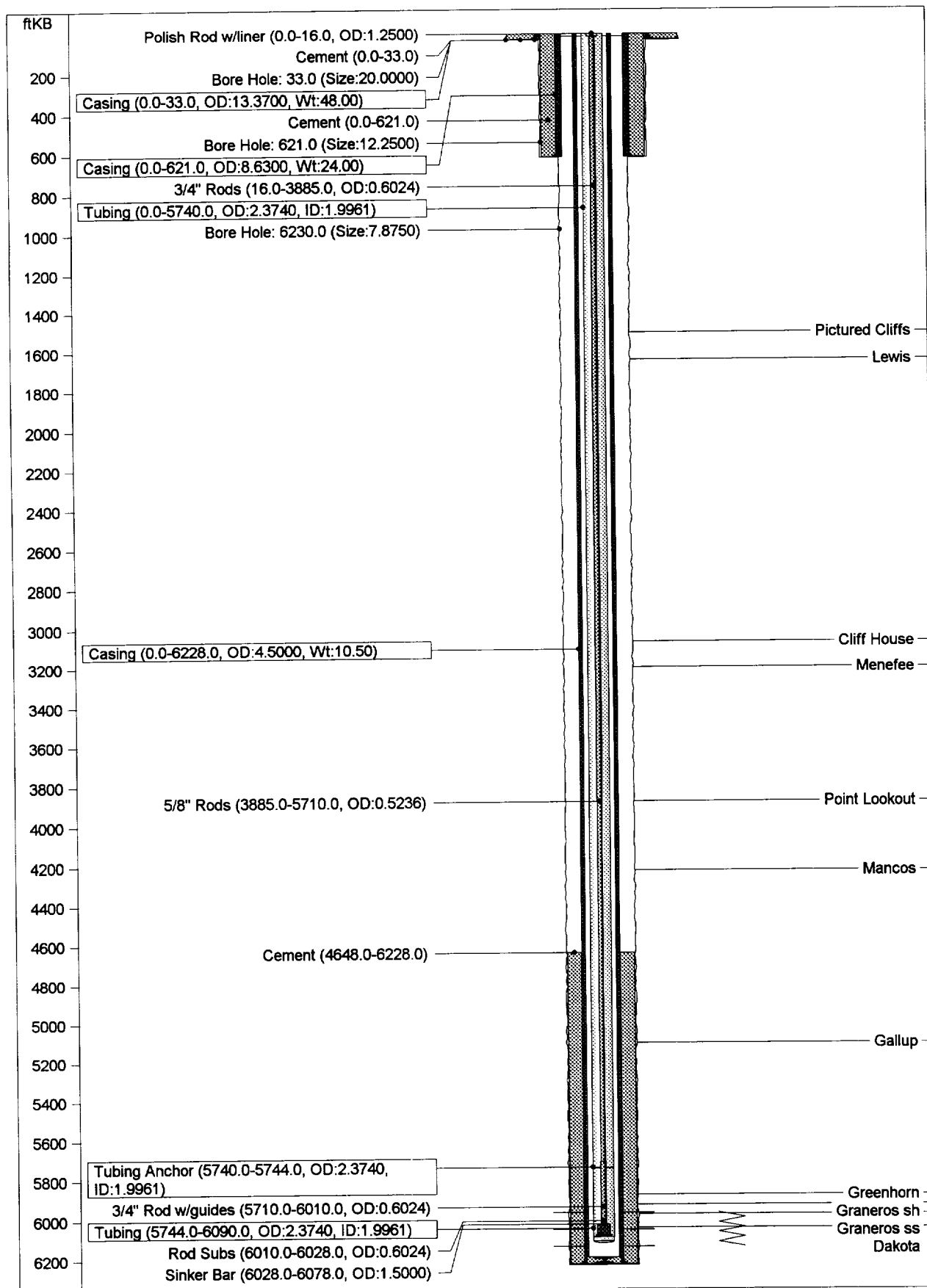
Location: 10N 28N 11W

Lease:	REDFERN	Well #:	5	FP Date:	61-12
Field:	BASIN (DAKOTA) DK	Location:	10N 28N 11W	LP Date:	98-12
Operator:	CONOCO INC	Liquid Cum:	18,307 bbls	Liq Since:	FPDATE
RCI #:	251,045,28N11W10N00DK	Gas Cum:	3,028,944 mcf	Gas Since:	FPDATE
API #:	30-045-07554-00	Status:	ACT GAS		

DATE	OIL, BBLs	GAS, MCF	WATER, BBLs	WELLS
01/1998	0	382	0	1
02/1998	0	640	0	1
03/1998	0	559	0	1
04/1998	0	451	0	1
05/1998	0	412	0	1
06/1998	0	458	0	1
07/1998	0	485	0	1
08/1998	0	299	0	1
09/1998	0	213	0	1
10/1998	0	184	0	1
11/1998	0	353	0	1
12/1998	0	367	0	1
Total	0	4,803	0	



REDFERN 5 (SLB 10/9/97)



REDFERN 5 (SLB 10/9/97)

REDFERN 5 (SLB 10/9/97)			
API Code	300450755400	Field Code	676383130
TD	6230.0 ftKB	Basin	SAN JUAN BASIN
PBTD	6190.0 ftKB	Basin Code	580
State	New Mexico	Permit	16-May-61
County	SAN JUAN	Spud	31-May-61
District	San Juan O.U.	Finish Drl	
Permit No.		Completion	31-Jul-61
TD Measured	6230 ftKB	Abandon	
Reservoir	Dakota		
Field	BASIN DK		
Event History			
Date	Event	Description	
02-Dec-94	Rod Run	2.0000in, RWAC Pump, No: 1, 1.5000in, Sinker Bar, No: 2, 0.6024in, Rod Subs, No: 3, 0.6024in, 3/4" Rod w/guides, No: 12, 0.5236in, 5/8" Rods, No: 73, 0.6024in, 3/4" Rods, No: 156, 1.2500in, Polish Rod w/liner	
01-Dec-94	Tub Run	2.3740 in Mud Anchor, Jnts: 1, ID: 0.0000in, 2.3740 in Seating Nipple, ID: 1.8100in, 2.3740 in Tubing, Jnts: 11, ID: 1.9961in, 2.3740 in Tubing Anchor, ID: 1.9961in, 2.3740 in Tubing, Jnts: 180, ID: 1.9961in	
01-Jul-91	Note	Conoco assumes operations from Mesa	
27-Jun-61	Note	Initial Potential: 3750 MCF/24 hrs 3/4 in ch—tbg SITP 1785 lb/7 days SICP 1715 lb/7 days,	
26-Jun-61	Stim/Treat	Fracture, 5968.0 - 6138.0ftKB	
25-Jun-61	Perf	5968.0 - 6138.0ftKB, 1.0/ft	
24-Jun-61	Other Run	Cement Plug, 6190.0 - 6228.0ftKB, OD: 4.0500in	
22-Jun-61	Log	IND, 620.0 - 6226.0ftKB, Welex	
18-Jun-61	Cas Cmmt	Production Casing, Top Found At 4648.0ftKB, With 300sx	
18-Jun-61	Cas Run	4.5000 in Casing, ID: 4.0500in	
18-Jun-61	Bore Hole	7.8750in, Depth 6230.0ftKB	
03-Jun-61	Cas Cmmt	Intermediate Casing, Top Found At 0.0ftKB, With 225sx	
03-Jun-61	Cas Run	8.6300 in Casing, Jnts: 21, ID: 8.1000in	
03-Jun-61	Bore Hole	12.2500in, Depth 621.0ftKB	
31-May-61	Cas Cmmt	Surface Casing, Top Found At 0.0ftKB, With 50sx	
31-May-61	Cas Run	13.3700 in Casing, Jnts: 1, ID: 12.7200in	
31-May-61	Bore Hole	20.0000in, Depth 33.0ftKB	