



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 10/20/87

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Re: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____
TX

Gentlemen:

I have examined the application dated 10/15/87
for the San Juan Blanca #16A
Operator Lease & Well No.

12-6-30-90 and my recommendations are as follows:
Unit, S-T-R

Aggravate

Yours truly,

3rd J. Q.

Tenneco Oil Exploration and Production

A Tenneco Company

Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address
6162 South Willow Drive
Englewood, Colorado 80111



October 9, 1987

New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Attn: William J. Lemay, Director

Re: Florance #16-A (MV)
Sec. 6, T30N, R9W
San Juan County, New Mexico

Dear Sir:

Tenneco Oil Company hereby requests that an exception to Division Rule #107 (d)(2), requiring tubing in a producing gas well, be granted for the above referenced well.

The well currently flows 1600 MCFD to 2000 MCFD on compression with flowing tubing pressures of 195 psig to 165 psig. Attached are the tubing gradient curves showing that at 1869 MCFD the flowing bottom hole pressure of 410 psig can be reduced to 183 psig with 4 1/2" casing. The attached system analysis indicates that production can be increased to over 3600 MCFD by the reduction in flowing bottom hole pressure.

Attached is a copy of the Sundry Notice currently filed with the Bureau of Land Management detailing the workover procedure. Pressure will be monitored in the 7" x 4 1/2" annulus to insure that the integrity of the 4 1/2" casing is maintained.

If you should have any questions, please call Bob Sagle at (303) 740-2555.

Sincerely,

TENNECO OIL COMPANY

A handwritten signature in cursive script, reading "Timothy R. Foster".

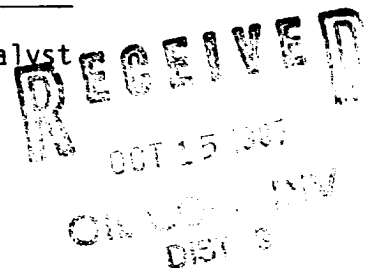
Timothy R. Foster
Sr. Administrative Analyst

TRF/cc:2195P

Attachment

cc: B. Sagle
J. Fox

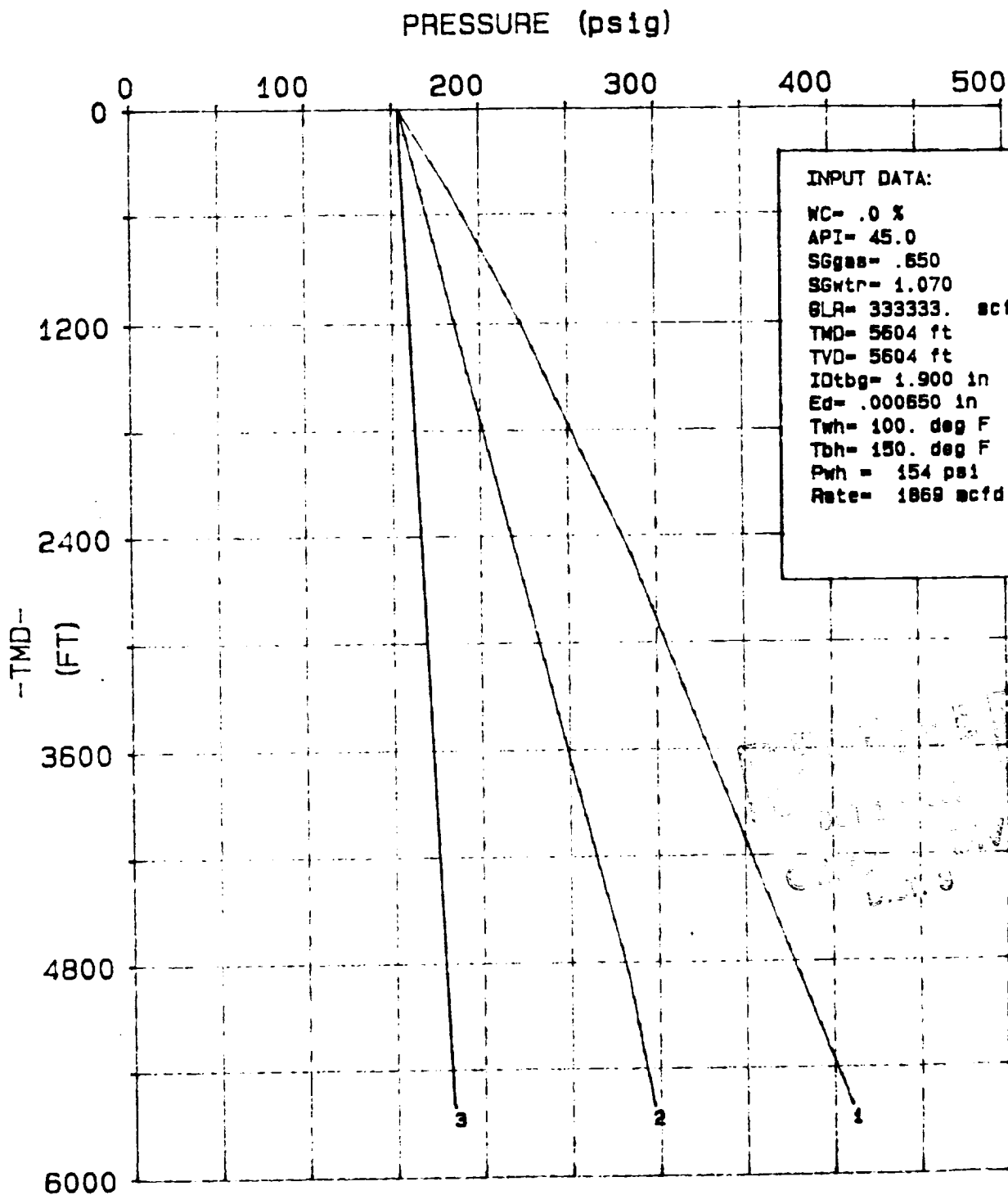
Frank Chavez - NMOC, Aztec
Well File



TENNECO OIL COMPANY
Systems Analysis Program
Tubing Gradient Curve

Well: FLORANCE 16A MV
 Loc: TBG GRAD. CURVES
 Desc:

01-01-1980
 File: FL016A



INPUT DATA:

WC= .0 %
 API= 45.0
 SGgas= .850
 SGwtr= 1.070
 GLR= 333333. scf/B
 TMD= 5604 ft
 TVD= 5604 ft
 IDtbg= 1.900 in
 Ed= .000650 in
 Twh= 100. deg F
 Tbh= 150. deg F
 Pwh = 154 psi
 Rate= 1869 scfd

1 FundFlow-A
 2 FundFlow-A Tbg dia = 2.300 in
 3 FundFlow-A Tbg dia = 3.900 in

Pwf= 410.2 psig
 Pwf= 296.6 psig
 Pwf= 183.3 psig

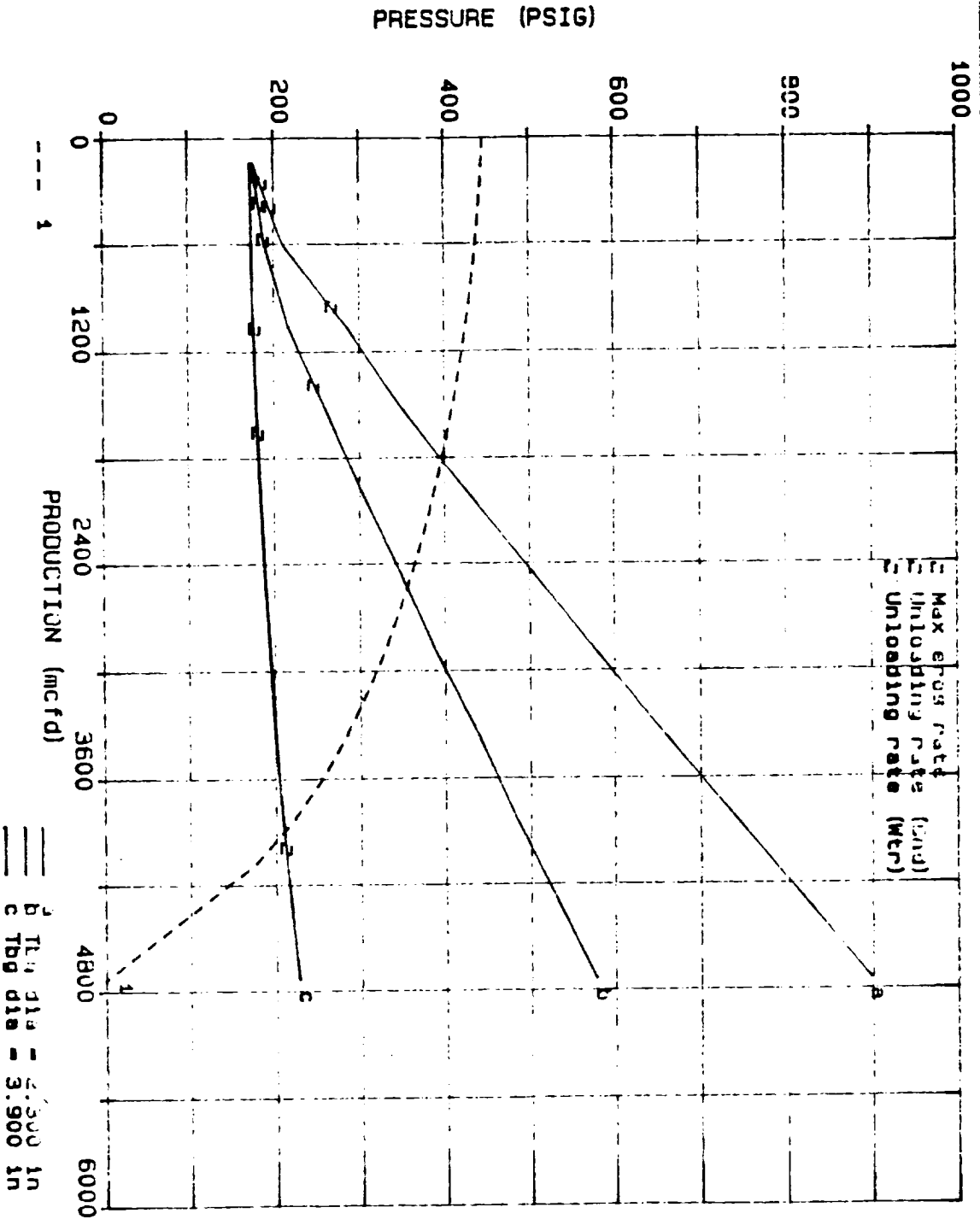
measured 408 psig

TENNECO OIL COMPANY

Systems Analysis Program

Well: FLORANCE 16A MV
 Loc: IPR CURVE
 Desc:

01-01-1980
 File: FL016A



INPUT DATA

WC= .0 X
 API= 45.0
 Sgass= .650
 Sgwtr= 1.070
 GLR= 333333. scf/B
 TMD= 5604 ft
 TVD= 5604 ft
 IDtbg= 1.900 in
 Ed= .000650 in
 Twh= 100. deg F
 Tbh= 165. deg F
 Pr= 447. psig
 Tres= 165. deg F
 Re= 1000. ft
 Rw= 10.00 ft
 H= 180 ft
 Hp= 67 ft
 Pors= 12.0 X
 Kfm= 200.000 md
 Skin= -1.0
 SPF= 1.0
 Dperfm= .380 in
 Lperfm= 8.00 in
 Kckfm= .20

Inflow Curve	Qmax
1 Jones	4732
Outflow Curve Pwh	
a Fundflow-A	154
b Fundflow-A	154
c Fundflow-A	154

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5 LEASE DESIGNATION AND SERIAL NO.

I-Sec-772

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME

Florance

9 WELL NO.

16-A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

11. SEC., T., R., M., OR BLK. AND
SUBVY OR AREA

Sec 6 T30N R9W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

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—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 3249 Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

825' FSL and 1030' FEL

14. PERMIT NO.

30-045-21790

15. ELEVATIONS (Show whether DF, ST, CR, etc.)

6508' (GL)

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☒
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting and 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.)*

Tenneco Oil Company requests permission to pull the 2-3/8" tubing and produce the referenced well through 4-1/2" casing via the attached procedure.

RECEIVED
OCT 15 1987
OIL CON. DIV.
DIST. 2

18. I hereby certify that the foregoing is true and correct

SIGNED

Timothy R. Foster
Timothy R. Foster

TITLE Sr. Administrative Analyst

DATE 10/9/87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

223'

LEASE Florance
WELL NO. 16ACASING:9 5/8 "OD, 36 LB, K-55 CSG/W 200 sx SX
TOC @ surf . HOLE SIZE _____ DT: 7/7/75

REMARKS _____

7 "OD, 23 LB, K-55 CSG/W 60/450 SX
TOC @ 2000 . HOLE SIZE 8 3/4 DT: 7/13/75

REMARKS DV @ 3107

4 1/2 "OD, 11.6 LB, K-55 CSG.W/ 300 SX
TOC @ TOL . HOLE SIZE 6 1/4 DATE _____

REMARKS TOL @ 3232'

TUBING:2 3/8 "OD, 4.7 LB, J-55 GRADE, 8 RD, EUE CPLG
LANDED @ 5604 . SN, PACKER, ETC. _____"OD, _____ LB, _____ GRADE, _____ RD, _____ CPLG
LANDED @ _____ . SN, PACKER, ETC. _____

PUMP _____ RODS _____ ANCHOR _____

DETAILED PROCEDURE:

1. MIRUSU. Kill well w/1% KCL wtr. NDWH. NUBOP.
2. PU 2-3/8" tbg and RIH to PBD. Call Denver prior to any N₂ cleanout.
3. POOH w/tbg, standing back 55 stands & laying down rest.
4. RU WL & RIH w/4-1/2" RBP. Set RBP @ ± 3350' PT RBP to 500 psi.
5. NDBOP, and change rans for 4-1/2" csg. Install 4-1/2" tbg head w/7" cross over, automatic slips and flanged valves.
6. RIH w/4-1/2" 10.5 K-55 ST & C csg w/centralizers on bottom 3 joints. Tag TOL & pull up 1 ft. to land csg.
7. NUBOP. RIH w/ retrieving head on 2-3/8" tbg. Release RBP & POOH, laying down tbg.
8. NDBOP. NUWH. RDMOSU. FWTCU.

D.V.C

3107'

3232'

3530'

4742'

Perfs

5585'

5735'

5714