STATE OF NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS OIL CONSERVATION DIVISION

MARCH 26, 1980

EXHIBITS

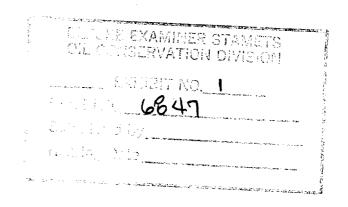
TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM WELL SUMMARY

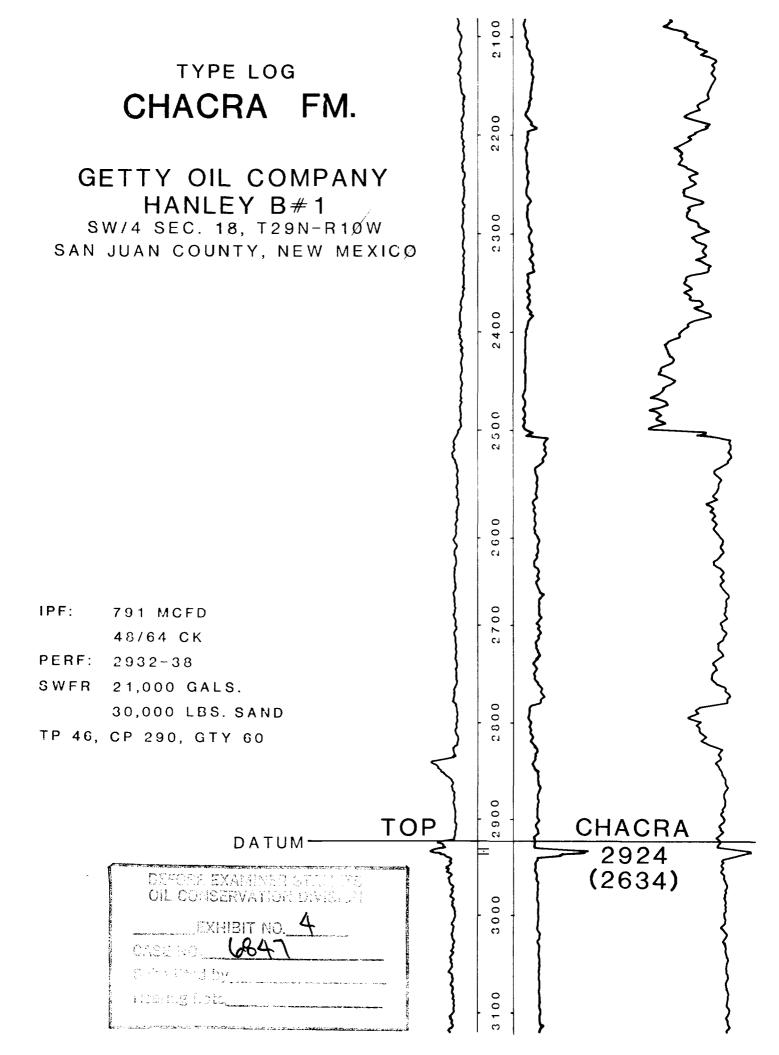
CHACRA-MESA VERDE-DAKOTA WELLS

| WELL | | LOCATION |
|------|------------------------|-------------|
| 1. | Marquis G. Eaton AlE | NE-25-29-11 |
| 2. | Elvin J. Payne AlE | SW-19-29-10 |
| 3. | Sullivan Frame Gas AlE | NE-30-29-10 |
| 4. | Sullivan Gas AlE | SW-25-29-11 |
| 5. | Valdez Gas AlE | NE-24-29-11 |

CHACRA-MESA VERDE WELLS

| WELL | | LOCATION |
|------|------------------------|-------------|
| 1. | Bunce Com 1 | NW-29-29-10 |
| 2. | Eaton Com B-1 | SW-25-29-11 |
| 3. | Bruce Sullivan Com B-1 | NW-25-29-11 |
| 4. | Sullivan Frame Com B-1 | NW-30-29-10 |
| 5. | Valdez Com B-1 | SE-24-29-11 |





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TOTALS

MIXTURE MEATING VALUE

(BTU/CF & 14.73 PSIA.60 DEGREE, MY) 1173

RATIO OF SPECIFIC HEATS

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RATIO OF SPECIFIC HEATS NO TEST SECURED FOR DETERMINATION HES CONTEST.

TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM DRILLING AND COMPLETION PROCEDURE COMMINGLED MESA VERDE-CHACRA WELLS

DRILLING

- 1. Drill 12-1/4" hole to 250'.
- 2. Set 9-5/8" casing and cement to surface.
- 3. Drill 8-3/4" hole thru Chacra to \approx 3100'.
- 4. Set 7" csg and cement to surface.
- 5. Drill 6-1/4" hole thru Mesa Verde to \simeq 4500'.
- 6. Run open hole logs over Mesa Verde and cased hole logs over Chacra.
- 7. Set 4-1/2" liner from 4500' to 2900'.
- 8. Cement liner in place.

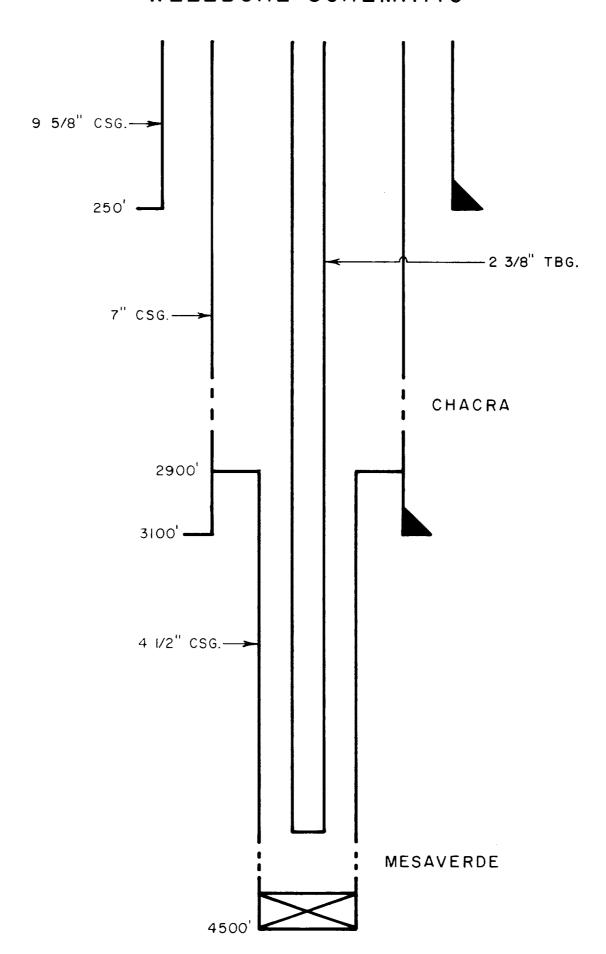
COMPLETION

- 1. Drill out to plug back total depth.
- 2. Perforate Mesa Verde (= 50') with 2 shots per foot.
- 3. Acidize Mesa Verde with 1000 gals 15% HCL and ball sealers.
- 4. Frac Mesa Verde with 175,000# 20/40 sand in 1% KCl water.
- 5. Set retrievable bridge plug between Chacra and Mesa Verde.
- 6. Perforate Chacra (≈ 10') with 2 shots per foot.
- 7. Acidize Chacra with 500 gals 15% HCL and ball sealers.
- 8. Frac Chacra with 30,000# 10/20 sand in 70% quality foam.
- 9. Retrieve bridge plug.
- 10. Land tubing above Mesa Verde perforations.
- 11. Flow well to cleanup frac fluid.
- 12. Shut-in well for AOF test.

TENNECO OIL COMPANY BLOOMFIELD AREA

T 29 N - R IO & II W SAN JUAN COUNTY, NEW MEXICO

MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM

DRILLING AND COMPLETION PROCEDURE DAKOTA DUALED WITH COMMINGLED CHACRA-MESA VERDE

DRILLING

- 1. Drill 12-1/4" hole to 250'.
- 2. Set 9-5/8" csg and cement to surface.
- 3. Drill 8-3/4" hole thru Mesa Verde to \approx 4500'.
- 4. Set 7" csg and cement to surface using 2 stage cement job with DV tool at 2950'
- 5. Drill 6-1/4" hole thru Dakota to \approx 6400'.
- 6. Run open hole logs over Dakota and cased hole log in 4-1/2" casing.
- 7. Set 4-1/2" liner from 6400' to 4300'.
- 8. Cement liner in place.

:

COMPLETION

- 1. Drill out to plug back total depth.
- 2. Perforate Dakota (≈ 50') with 2 shots per foot.
- 3. Acidize Dakota with 1500 gals 15% HCL and ball sealers.
- 4. Frac Dakota with 105,000# sand in 30# cross-linked gelled water.
- 5. Set Model "F" packer with expendable plug above Dakota.
- 6. Perforate Mesa Verde (~ 50') with 2 shots per foot.
- 7. Acidize Mesa Verde with 1000 gals 15% HCL and ball sealers.
- 8. Frac Mesa Verde with 175,000# 20/40 sand in 1% KCl water.
- 9. Set retrievable bridge plug between Chacra and Mesa Verde.
- 10. Perforate Chacra (≈ 10') with 2 shots per foot.
- 11. Acidize Chacra with 500 gal 15% HCL and ball sealers.
- 12. Frac Chacra with 30,000# 10/20 sand in 70% quality foam.
- 13. Retrieve bridge plug.
- 14. Run in hole and land Dakota tubing string in Model "F" packer.
- 15. Run in hole and land Mesa Verde-Chacra tubing string above Mesa Verde.
- 16. Flow well to cleanup frac fluid.
- 17. Shut-in well for AOF test.

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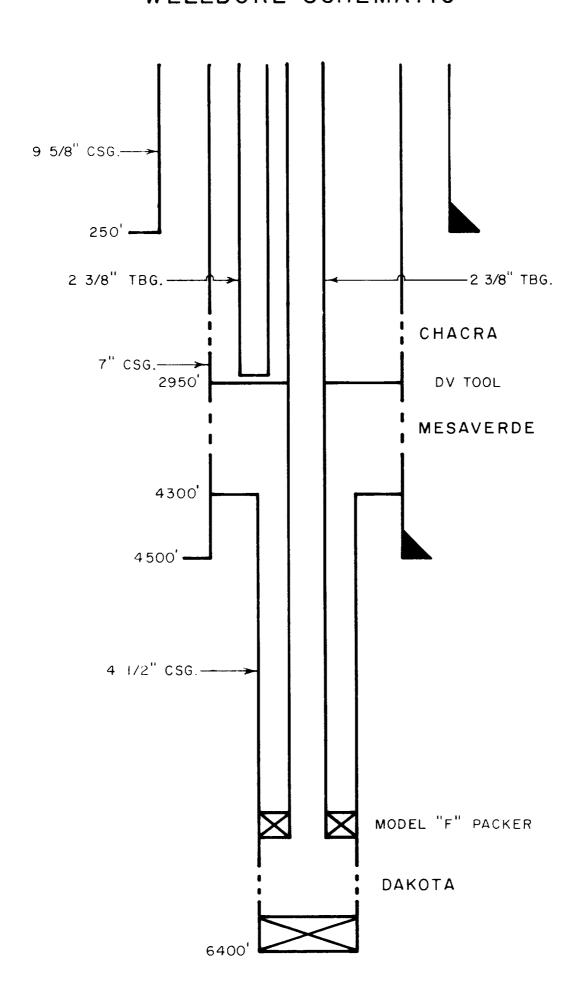
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TENNECO OIL COMPANY BLOOMFIELD AREA

T 29 N - R IO & II W SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM ESTIMATED GROSS RESERVES

| ZONE | RESERVES (MMCF) |
|------------|-----------------|
| | • |
| Chacra | 170 |
| | |
| Mesa Verde | 160 |
| | |
| Dakota | 1350 |

TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM ALTERNATIVE COST SUMMARY

| TYPE WELL | TOTAL COST |
|---|------------|
| | (\$M) |
| | |
| Single Completion | |
| Mesa Verde | 263 |
| Dakota | 347 |
| Chacra | 140 |
| Duals Without Commingling | |
| · Dakota-Mesa Verde | 449 |
| Mesa Verde-Chacra | 349 |
| Dakota-Chacra | 401 |
| Commingled Charca-Mesa Verde Mesa Verde-Chacra | 327 |
| Three Zones With Two Commingled | |
| Dakota Dualed with Chacra & Mesa Verde Commingled | 461 |

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TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM WELLS WITH MESA VERDE AND CHACRA POTENTIAL COST COMPARISON

I. Proposed Completion-Commingle Zones

Cost: \$327,000

II. Alternative Without Commingling

| Alternative | Cost | Alternative (\$M) | |
|--|------|-------------------|--|
| 1. Dually Complete Chacra & Mesa Verde | 349 | 22 | |

TENNECO OIL COMPANY '
1980 BLOOMFIELD AREA DRILLING PROGRAM
ECONOMIC SUMMARY '
MESA VERDE-CHACRA WELL

RATE OF RETURN AFTER TAX (%)

TYPE WELL

PROFIT @10% DISCOUNTED

(M\$)

RESERVES (MMCF)

PAYOUT (YEARS)

 $\overline{\infty}$

DUAL

Mesa Verde-Chacra

22.6

80.9

360

3.2

COMMINGLED

Mesa Verde-Chacra

14.0

28.6

330

3.9

TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM WELLS WITH CHACRA, MESA VERDE, AND DAKOTA POTENTIAL COST COMPARISON

I. Proposed Completion-Dakota Dual With Mesa Verde & Charca Commingled

Cost: \$461,000

II. Alternatives Without Commingling

| Alt | ernative | Cost | Cost Over Commingled Alternative (\$M) |
|-------------|----------------------------|------|--|
| 1. | Drill 3 Single Completions | 750 | 289 |
| ` 2. | Drill 1 Dual MV-Dakota | 449 | - |
| | Drill 1 Single Chacra | 140 | - |
| | Total 2 Wells | 589 | 128 |
| 3. | Drill l Dual MV-Chacra | 349 | - |
| | Drill l Single Dakota | 347 | - |
| | Total 2 Wells | 696 | 235 |
| 4. | Drill l Dual Dakota-Chacra | 401 | - |
| | Drill l Single Mesa Verde | 263 | - |
| | Total 2 Wells | 664 | 203 |

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STATE OF NEW MEXICO

DEPARTMENT OF ENERGY AND MINERALS

OIL CONSERVATION DIVISION

MARCH 26, 1980

EXHIBITS

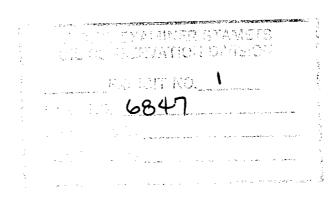
TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM WELL SUMMARY

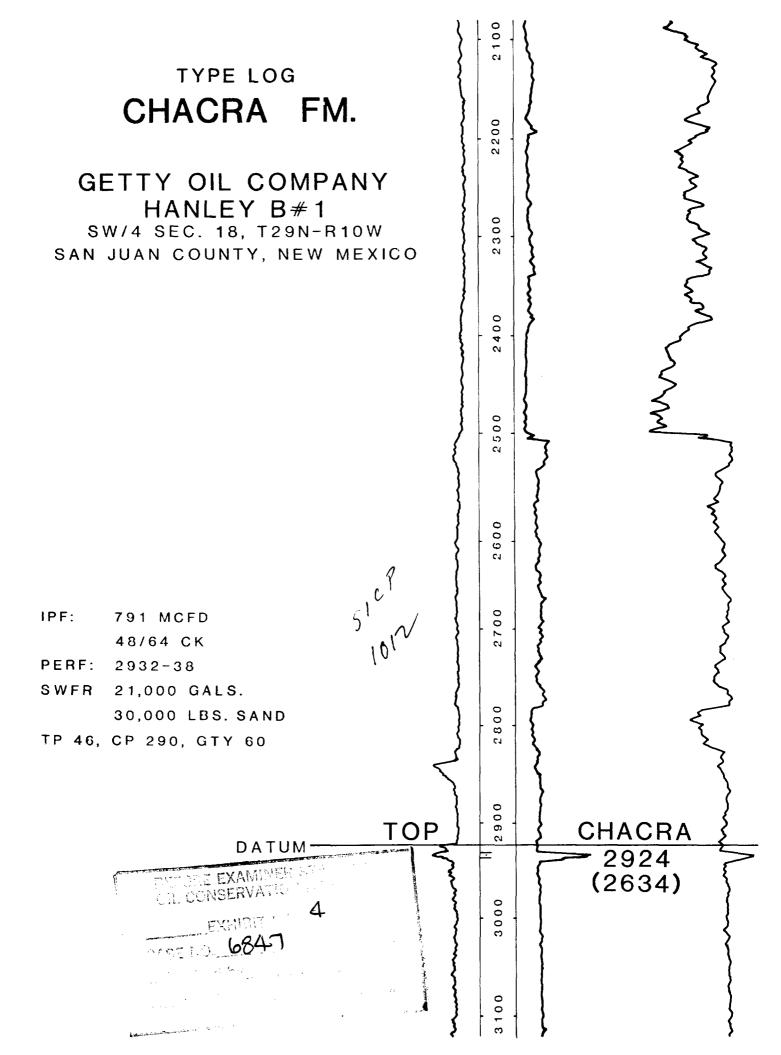
CHACRA-MESA VERDE-DAKOTA WELLS

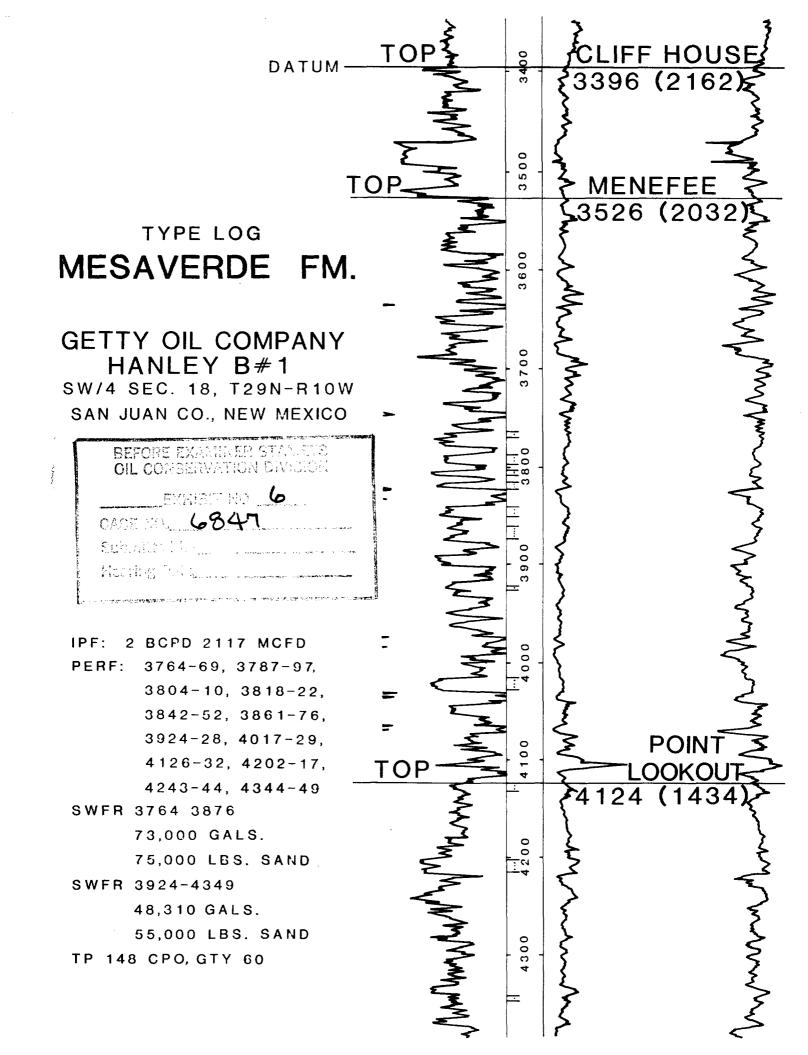
| WELL | | LOCATION |
|------|------------------------|-------------|
| 1. | Marquis G. Eaton AlE | NE-25-29-11 |
| 2. | Elvin J. Payne AlE | SW-19-29-10 |
| 3. | Sullivan Frame Gas AlE | NE-30-29-10 |
| 4. | Sullivan Gas AlE | SW-25-29-11 |
| 5. | Valdez Gas AlE | NE-24-29-11 |

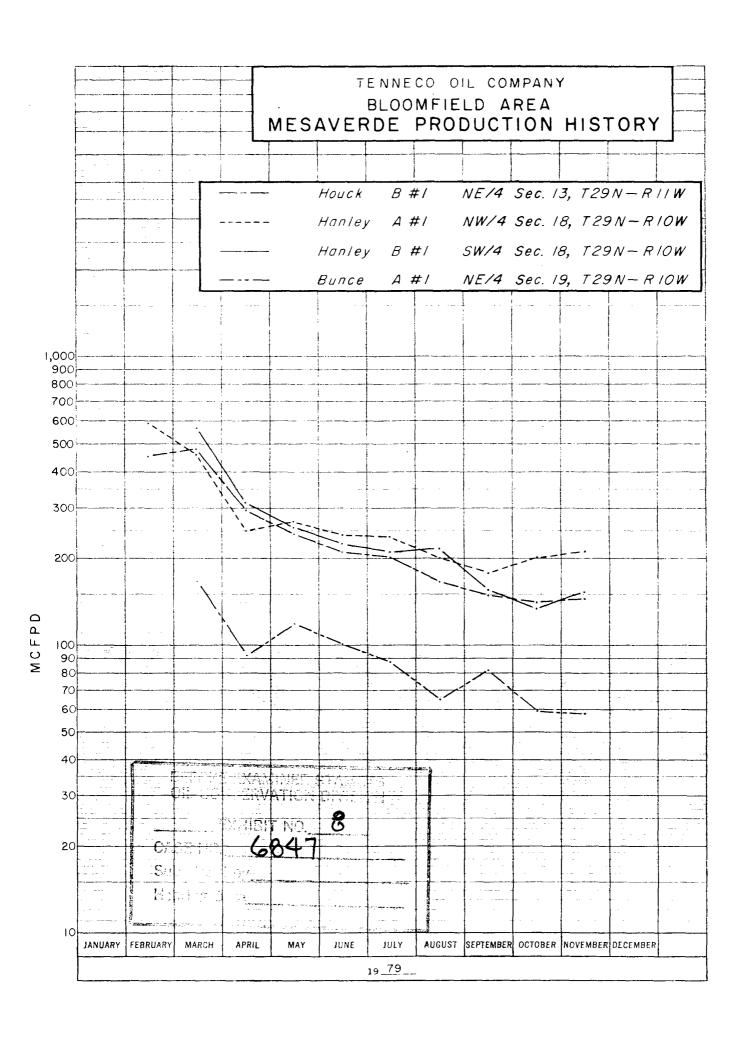
CHACRA-MESA VERDE WELLS

| WELL | | LOCATION |
|------|------------------------|-------------|
| 1. | Bunce Com 1 | NW-29-29-10 |
| 2. | Eaton Com B-1 | SW-25-29-11 |
| 3. | Bruce Sullivan Com B-1 | NW-25-29-11 |
| 4. | Sullivan Frame Com B-1 | NW-30-29-10 |
| 5. | Valdez Com B-1 | SE-24-29-11 |









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MIXIUME MEATING VALUE
(BTU/CF of 1 + 73 PSIA+ 60 DEGREEL+ + 7) 1173

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Hearing Date

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MIXTURE HEATING VALUE (BTO/CF & LA. 73 PSIA, OU DEGREES, DAY)

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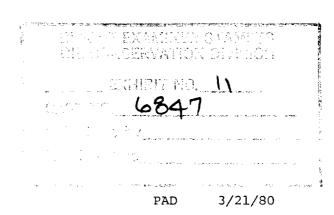
TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM DRILLING AND COMPLETION PROCEDURE COMMINGLED MESA VERDE-CHACRA WELLS

DRILLING

- 1. Drill 12-1/4" hole to 250'.
- 2. Set 9-5/8" casing and cement to surface.
- 3. Drill 8-3/4" hole thru Chacra to \approx 3100'.
- 4. Set 7" csg and cement to surface.
- 5. Drill 6-1/4" hole thru Mesa Verde to \simeq 4500'.
- 6. Run open hole logs over Mesa Verde and cased hole logs over Chacra.
- 7. Set 4-1/2" liner from 4500' to 2900'.
- 8. Cement liner in place.

COMPLETION

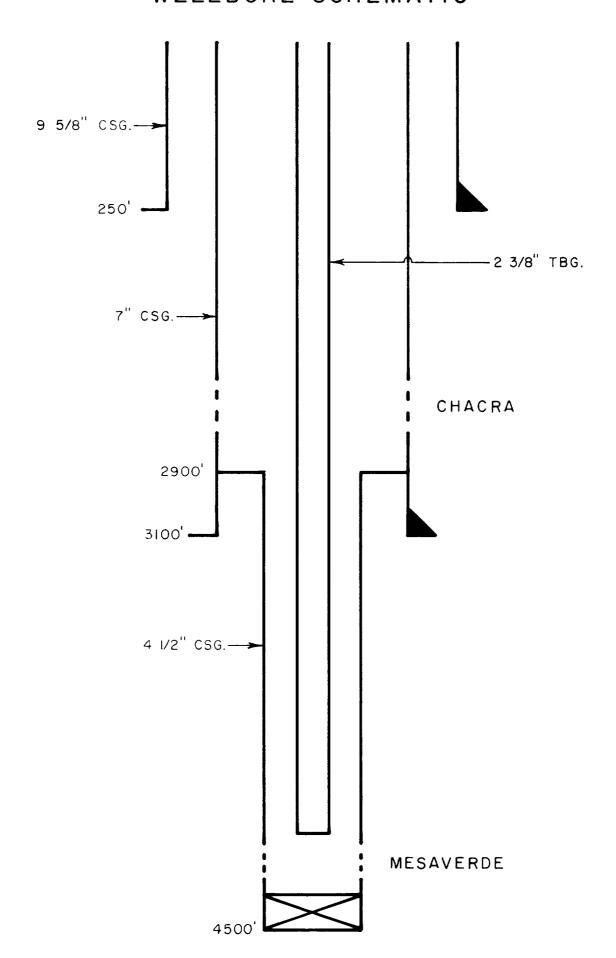
- 1. Drill out to plug back total depth.
- 2. Perforate Mesa Verde (~ 50') with 2 shots per foot.
- 3. Acidize Mesa Verde with 1000 gals 15% HCL and ball sealers.
- 4. Frac Mesa Verde with 175,000# 20/40 sand in 1% KCl water.
- 5. Set retrievable bridge plug between Chacra and Mesa Verde.
- 6. Perforate Chacra (≃ 10') with 2 shots per foot.
- 7. Acidize Chacra with 500 gals 15% HCL and ball sealers.
- 8. Frac Chacra with 30,000# 10/20 sand in 70% quality foam.
- 9. Retrieve bridge plug.
- 10. Land tubing above Mesa Verde perforations.
- 11. Flow well to cleanup frac fluid.
- 12. Shut-in well for AOF test.



TENNECO OIL COMPANY BLOOMFIELD AREA

T 29 N - R IO & II W SAN JUAN COUNTY, NEW MEXICO

MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



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TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM DRILLING AND COMPLETION PROCEDURE DAKOTA DUALED WITH COMMINGLED CHACRA-MESA VERDE

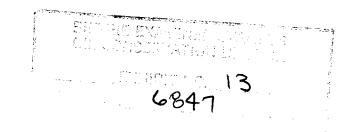
DRILLING

- 1. Drill 12-1/4" hole to 250'.
- 2. Set 9-5/8" csg and cement to surface.
- 3. Drill 8-3/4" hole thru Mesa Verde to \simeq 4500'.
- 4. Set 7" csg and cement to surface using 2 stage cement job with DV tool at 2950'
- 5. Drill 6-1/4" hole thru Dakota to \simeq 6400'.
- 6. Run open hole logs over Dakota and cased hole log in 4-1/2" casing.
- 7. Set 4-1/2" liner from 6400' to 4300'.
- 8. Cement liner in place.

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COMPLETION

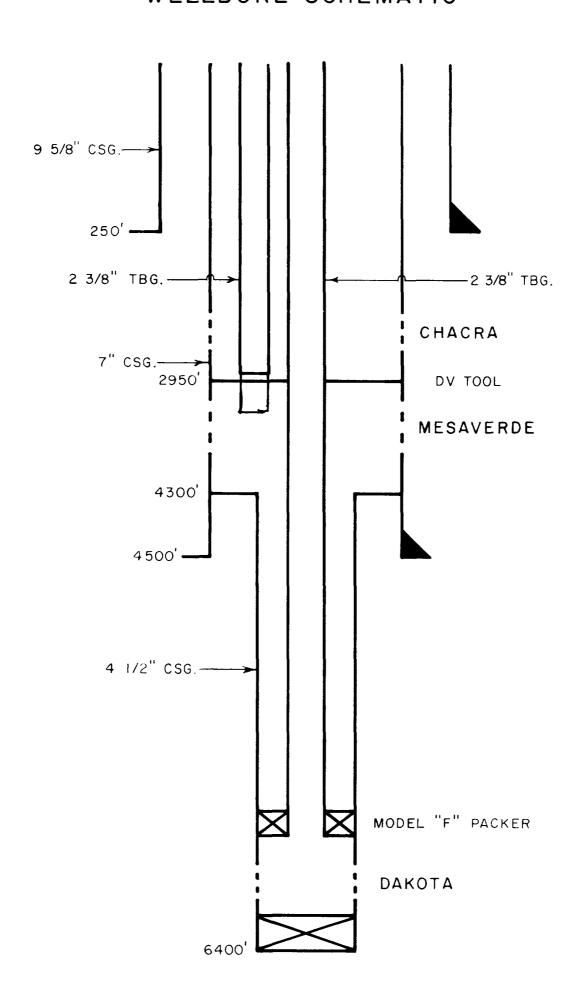
- 1. Drill out to plug back total depth.
- 2. Perforate Dakota (≃ 50') with 2 shots per foot.
- 3. Acidize Dakota with 1500 gals 15% HCL and ball sealers.
- 4. Frac Dakota with 105,000# sand in 30# cross-linked gelled water.
- 5. Set Model "F" packer with expendable plug above Dakota.
- 6. Perforate Mesa Verde (~ 50') with 2 shots per foot.
- 7. Acidize Mesa Verde with 1000 gals 15% HCL and ball sealers.
- 8. Frac Mesa Verde with 175,000# 20/40 sand in 1% KCl water.
- 9. Set retrievable bridge plug between Chacra and Mesa Verde.
- 10. Perforate Chacra (~ 10') with 2 shots per foot.
- 11. Acidize Chacra with 500 gal 15% HCL and ball sealers.
- 12. Frac Chacra with 30,000# 10/20 sand in 70% quality foam.
- 13. Retrieve bridge plug.
- 14. Run in hole and land Dakota tubing string in Model "F" packer.
- 15. Run in hole and land Mesa Verde-Chacra tubing string above Mesa Verde.
- 16. Flow well to cleanup frac fluid.
- 17. Shut-in well for AOF test.



TENNECO OIL COMPANY BLOOMFIELD AREA

T 29 N - R 10 & 11 W SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM ESTIMATED GROSS RESERVES

| RESERVES (MMCF) |
|-----------------|
| |
| 170 |
| |
| 160 |
| |
| 1350 |
| |

TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM ALTERNATIVE COST SUMMARY

| | TYPE WELL | TOTAL COST |
|---|---------------------------------|------------|
| | | (411) |
| | Single Completion | |
| | Bligic Completion | |
| | Mesa Verde | 263 |
| | Dakota | 347 |
| | Chacra | 140 |
| | | 750 |
| | Duals Without Commingling | · |
| ı | · Dakota-Mesa Verde | 449 |
| | Mesa Verde-Chacra | 349 |
| | Dakota-Chacra | 401 |
| | | |
| | Commingled Charca-Mesa Verde | |
| | Mesa Verde-Chacra | 327 |
| | | |
| | Three Zones With Two Commingled | |
| | Dakota Dualed with Chacra & | |
| | Mesa Verde Commingled | 461 |

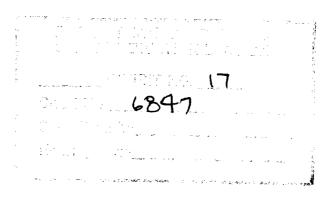
TENNECO OIL COMPANY 1980 FLOOMFIELD AREA DRILLING PROGRAM WELLS WITH MESA VERDE AND CHACRA POTENTIAL COST COMPARISON

I. Proposed Completion-Commingle Zones

Cost: \$327,000

II. Alternative Without Commingling

| Alternative | Cost | Cost Over Commingled Alternative (\$M) |
|--|------|--|
| 1. Dually Complete Chacra & Mesa Verde | 349 | 22 |



| PAYOUT (YEARS) | 3.2 | 3.9 |
|------------------------------|---------------------------------|---------------------------|
| RESERVES (MMCF) | 360 | 330 |
| DISCOUNTED PROFIT @10% (M\$) | 80.9 | 28.6 |
| AFTER TAX RATE OF RETURN (%) | 22.6 | 14.0 |
| 18 | | |
| TYPE WELL | COMMINGLED Mesa Verde-Chacra | DUAL Mesa Verde-Chacra |

TENNECO OIL COMPANY '
1980 BLOOMFIELD AREA DRILLING PROGRAM
ECONOMIC SUMMARY '

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MESA VERDE-CHACRA WELL

TENNECO OIL COMPANY 1980 BLOOMFIELD AREA DRILLING PROGRAM WELLS WITH CHACRA, MESA VERDE, AND DAKOTA POTENTIAL COST COMPARISON

I. Proposed Completion-Dakota Dual With Mesa Verde & Charca Commingled

Cost: \$461,000

II. Alternatives Without Commingling

| Alternative | | Cost | Cost Over Commingled Alternative (\$M) |
|-------------|----------------------------|------|--|
| 1. | Drill 3 Single Completions | 750 | 289 |
| ` 2. | Drill 1 Dual MV-Dakota | 449 | - |
| | Drill 1 Single Chacra | 140 | - |
| | Total 2 Wells | 589 | 128 |
| 3. | Drill l Dual MV-Chacra | 349 | - |
| | Drill l Single Dakota | _347 | - |
| | Total 2 Wells | 696 | 235 |
| 4. | Drill 1 Dual Dakota-Chacra | 401 | - |
| | Drill 1 Single Mesa Verde | 263 | - |
| | Total 2 Wells | 664 | 203 |



Docket No. 8-80

Dockets Nos. 9-80 and 10-80 are tentatively set for April 9 and 23, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 26, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

- The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:
- CASE 6838: Application of Amax Chemical Corporation for the amendment of Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-111-A to extend the boundaries of the Potash-Oil Area by the inclusion of certain lands in Sections 11, 12, and 13, Township 19 South, Range 30 East, and Sections 7 and 18, Township 19 South, Range 31 East.
- CASE 6839: Application of Kimbell Oil Company for downhole commingling, Rio Arriba County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the downhole commingling of Otero-Chacra and South Blanco-Pictured Cliffs production in the wellbore of its Salazar Well No. 4-26 to be located in Unit D of Section 26, Township 25 North, Range 6 West.
- CASE 6840: Application of Union Texas Petroleum for downhole commingling, San Juan County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbore of its Johnston Federal Well No. 11Y located in Unit N of Section 7, Township 31 North, Range 9 West.
- Application of CIG Exploration, Inc. for two non-standard gas proration units, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of two non-standard gas proration units in Township 16 South, Range 28 East, the first being 219.6 acres comprising Lots 1 thru 8 of Section 1 and the second being 219.92 acres comprising Lots 1 thru 8 of Section 2, for the Wolfcamp, Pennsylvanian, and Mississippian formations, each unit to be dedicated to a well to be drilled at a standard location thereon.
- CASE 6842: Application of ARCO Oil and Gas Company for an unorthodox gas well location, simultaneous dedication, and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its W. C. Roach Well No. 6, 660 feet from the North line and 1980 feet from the West line of Section 21, Township 20 South, Range 37 East, Eumont Gas Pool, to be simultaneously dedicated with its W. C. Roach Well No. 1 in Unit D to the W/2 of said Section 21. Also sought are findings that the proposed well is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing unit well.
- Application of Yates Petroleum Corporation for two compulsory poolings, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Yeso formation underlying two 40-acre proration units, the first being the SE/4 SE/4 and the second being the SW/4 SE/4 of Section 6, Township 19 South, Range 25 East, Penasco Draw Field, each unit to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the wells and a charge for risk involved in drilling said wells.
- CASE 6844: Application of Arrowhead Oil Corporation for two exceptions to Order No. R-111-A and an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the casing-cementing rules of Order No. R-111-A to complete its Creek Federal Well No. 3 at an unorthodox location 250 feet from the North line and 2350 feet from the East line and its Creek Federal Well No. 4 to be drilled in Unit G, both in Section 23, Township 18 South, Range 30 East, by setting surface casing at a depth of approximately 600 feet and production casing at total depth. The production casing would have cement circulated back to the potash zone in the salt section.
- CASE 6845: Application of Marathon Oil Company for an unorthodox gas well location, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 800 feet from the North line and 200 feet from the East line of Section 30, Township 21

 South, Range 23 East, Indian Basin-Upper Pennsylvanian Gas Pool, all of Section 30 or that portion thereof which may be reasonably presumed productive of gas from said pool to be dedicated to the well.

CASE 6846: Application of Doyle Hartman for two compulsory poolings, two non-standard gas proration units, and two unorthodox well locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Eumont Gas Pool underlying two 80-acre nonstandard gas proration units, the first being the S/2 NE/4 of Section 13, Township 21 South, Range 36 East, to be dedicated to a well to be drilled at an unorthodox location 1650 feet from the North line and 2310 feet from the East line of said Section 13, and the second being the N/2 NE/4 of said Section 13 to be dedicated to a well to be drilled at an unorthodox location 1330 feet from the North line and 2310 feet from the East line of said Section 13. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designtion of applicant as operator of the wells and a charge for risk involved in drilling said wells.

CASE 6834: (Continued and Readvertised)

Application of Conoco Inc. for a dual completion and unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its SEMU Burger Well No. 107 at an unorthodox location 2615 feet from the South and East lines of Section 19, Township 20 South, Range 38 East, to produce oil from the Blinebry Oil and Cas and Drinkard Pools.

CASE 6837: (Continued from March 12, 1980, Examiner Hearing)

Application of Curtis Little for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the W/2 of Section 7, Township 25 North, Range 3 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6847:

Application of Tenneco Oil Company for dual completions and downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete, in such a manner as to produce gas from the Dakota formation and commingled Chacra and Mesaverde production through parallel strings of tubing, ten proposed wells to be located as follows: in Township 29 North, Range 10 West: Unit C, Section 19; Unit N, Section 19; Unit A, Section 30; and Unit D, Section 30; in Township 29 North, Range 11 West: Unit G, Section 24; Unit O, Section 24; Unit A, Section 25; Unit D, Section 25; Unit M, Section 25; and Unit P, Section 25.

CASE 6818: (Continued from March 12, 1980, Examiner Hearing)

Application of Tenneco Oil Company for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its State HL 11 Well No. 1 located in Unit N of Section 11, Township 19 South, Range 29 East.

CASE 6849: (This is the same matter as was previously designated Case No. 6813.)

Application of Petroleum Development Corporation to amend Order No. R-6196, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks to amend Order No. R-6196 which authorized re-entry of a well at an unorthodox location in the Lusk-Morrow Gas Pool to be dedicated to the N/2 of Section 13, Township 19 South, Range 31 East. Applicant now seeks approval for a new revised location 750 feet from the North line and 660 feet from the West line of said Section 13.

CASE 6848:

Application of Petroleum Development Corporation for pool contraction and creation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Querecho Plains-Bone Spring Pool to comprise the Upper Bone Spring formation only, from 8390 feet to 8680 feet on the log of its McKay West Federal Well No. 1 located in Unit F of Section 34, Township 18 South, Range 32 East, and the creation of the Querecho Plains-Lower Bone Spring Pool to comprise said formation from 8680 feet to the base of the Bone Spring underlying the NW/4 of said Section 34.

CASE 6826: (Continued from March 12, 1980, Examiner Hearing)

> Application of Tahoe Oil and Cattle Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Penrose Skelly Pool underlying the SE/4 SE/4 of Section 25, Township 21 South, Range 36 East, to be dedicated to its Bromlee Well No. 1 located thereon. Also to be considered will be the cost of recompleting said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in recompleting said well.

KELLAHIN and KELLAHIN

Attorneys at Law 500 Don Gaspar Avenue Post Office Box 1769 Santa Fe, New Mexico 87501

Jason Kellahin W. Thomas Kellahin Karen Aubrey

Telephone 982-4285 Area Code 505

March 3, 1980

Mr. Joe Ramey Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico

Tenneco Oil Company

Application for Dual Completion and Downhole Commingling, San Juan County, New Mexico

Euse 684?

Dear Joe:

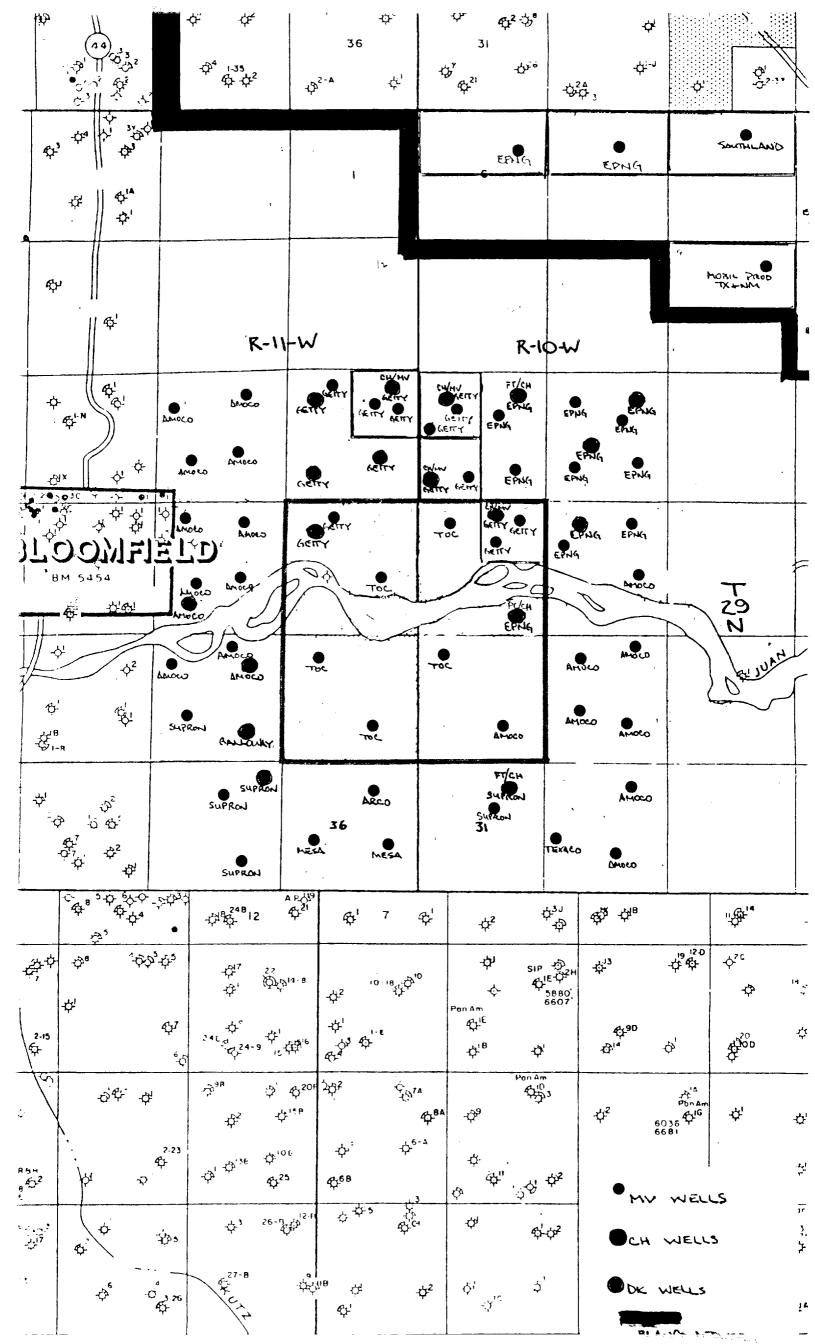
Please set the enclosed application for hearing on March 26, 1980.

Very Kruly yours,

encl.

cc: Mr. Millard Carr (Tenneco - Denver)

WTK:msf



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P. O. BOX 2088

Form C-107 JERGY AND MINERALS DEFARTMENT SANTA FE, NEW MEXICO 87501 kevised 10-1-78 All distances must be from the cuter houndaries of the Section Lease perator Well No. TENNECO OIL COMPANY BUNCE COM Township Section Range County nit Letter 19 29N 10W <u>San Juan</u> ctual Footage Location of Well: 1650 990 feet from the North line and feet from the West round Level Elev. Producing Formation Dedicated Acreage: 5521 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation _ Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 16501 Name Position Company Sec. 19 I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Novemb

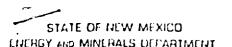
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OIL CONSERVATION DIVISION

P. O. UOX 2088

form C-102 kevised 10-1-78

ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section

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STATE OF NEW MEXICO NERGY AND MINERALS DEPARTMENT

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P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Farm C-107 kevised 10-1-78

All distances must be from the cuter houndaries of the Section.

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STATE OF NEW MEXICO JERGY AND MINERALS DEPARTMENT

P. O. DOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

All distances must be from the cuter houndaries of the Section.

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STATE OF NEW MEXICO JERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 keylsed 10-1-78

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STATE OF NEW MEXICO LINERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-2

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TERNECO OIL Penthouse 720 South Colorado Boulevard Denver, Colorado 80222

WELL LOCATION PLAT AND DESCRIPTION

| VALDEZ COM B-1 | |
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| 1/4-1/4 Section SE NW SE County San Juan State New Mexico | |
| _ease No.: FederalState_NM 481 482 483 484 530Fee | |
| MV 320 Spacing Unit Chacra 160 Acres: Description Mesaverde: E/2 Chacra: SE/4 | |
| Location meets State rules Yes Field Rules Yes | |
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| Preferred direction for relocation within legal boundaries shown se | |
| If relocation of more than _O feet is necessary, please contact _Carol Pe | eavey |
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| Prepared by Doug Brandon Approved by RHCASTE Date October 2 | 24, 1979 |
| cc: Kell File | • |
| Land Properties Administrative | |

Drilling

| STATE OF HI HERGY AND MINER | EW MEXICO ALS DEFARTMENT | S A | P. O. | . 00 X 2088 NEW MEXI | CO 87501 | | Form C-107 Revised 10-1- |
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| Unit Letter | Section | Township | | Range | Coun | • | |
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STATE OF NEW MEXICO MERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

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| TENNECO | OTT. | COMPANY | | | SILL | IVAN GAS | אוו ייידואון | 10 | 1 2 5 |
| Unit Letter | Secti | | Township | | Rong | | County | | 1-E |
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STATE OF NEW MEXICO RGY AND MINERALS DEFARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter houndaries of the Section.

| erator | | | Lease | | - | Well No. | | | | | | |
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| It Letter | Section | Township | Range | | County | | | | | | | |
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| tual Footage Loc | ation of Well: | | | | | | | | | | | |
| 1040 | feet from the | South line and | 790 | leet | from the Eas' | t | line | | | | | |
| ound Level Elev. | Producing Fo | rmation | Pool | | | Dedica | aled Acreage: | | | | | |
| 5562 | | | | | | | Acres | | | | | |
| 1. Outline th | ne acreage dedica | ated to the subject w | ell by colored | d pencil or | hachure mark | s on the plat | below, | | | | | |
| | 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). | | | | | | | | | | | |
| | 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc? | | | | | | | | | | | |
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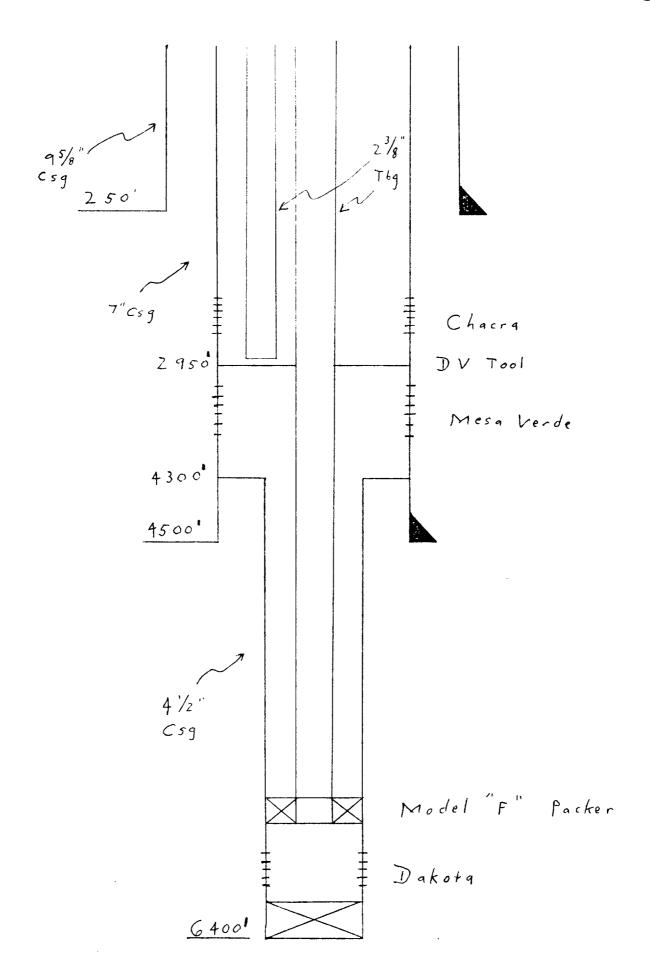
TENNECO OIL COMPANY

BLOOMFIELD AREA

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SAN JUAN COUNTY, NEW MEXICO

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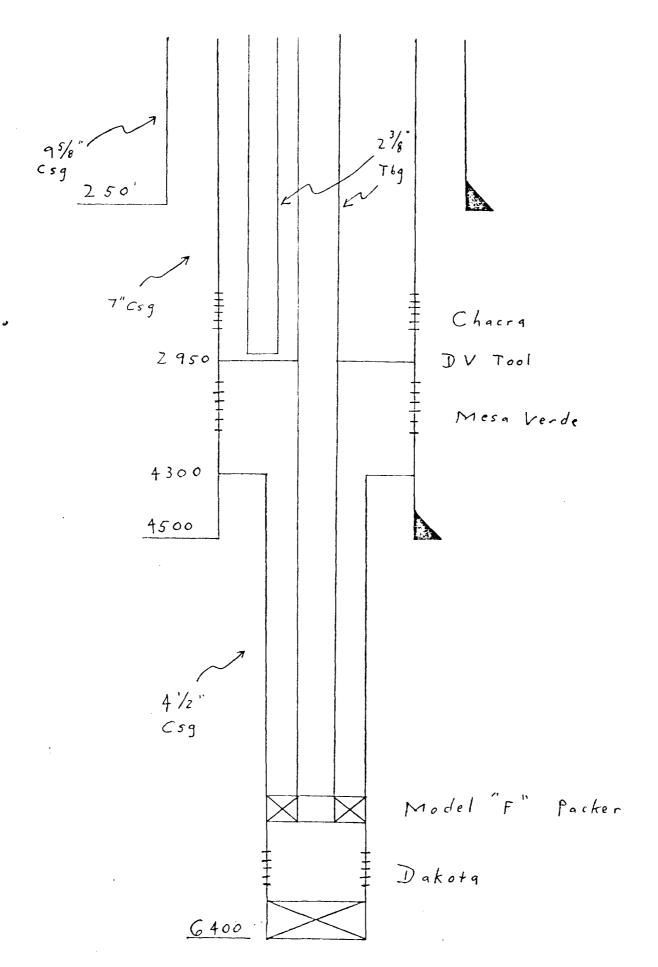
TENNECO OIL COMPANY

BLOOMFIELD AREA

RIOHIW, TZ9N

SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESA VERDE-CHACRA COMMGLED



STATE OF NEW MEXICO

DEPARTMENT OF ENERGY AND MINERALSCALED TO THE WASTE OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF TENNECO OIL COMPANY FOR DUAL COMPLETION AND DOWNHOLE COMMINGLING, SAN JUAN COUNTY, NEW MEXICO.

APPLICATION

Cuse 6847

The state of the s

COMES NOW TENNECO OIL COMPANY, by and through its attorneys, KELLAHIN & KELLAHIN, and applies to the New Mexico Oil Conservation Division for approval to drill ten wells in which the Chacra and Mesa Verde production will be commingled and then produced as a dual completion with the Dakota formation, all in San Juan County, New Mexico, and in support thereof would show:

- 1. Applicant is the operator of each of the units and formations involved in this application as shown on the attached surface plat.
- 2. Applicant requests approval to commingle production from the Chacra and Mesaverde formations and to dually complete those commingled zones with the Dakota formation for the following wells:
 - Bunce Com Well No. 1, Unit C, Sec. 19, 729N, R10W, NMPM;
 - 2. Elvin J. Paynes Gas Unit "A" Well No. 1-E, Unit N, Sec. 19, T29N, R10W, NMPM;
 - 3. Sullivan Frame Gas Unit "A" Well No. 1-E, Unit A, Sec. 30, T29N, R10W, NMPM;
 - 4. Sullivan Frame Com "B" Well No. 1, Unit D, Sec. 30, T29N, R10W, NMPM;
 - 5. Valdez Gas Unit "A" Well No. 1-E, Unit G, Sec. 24, T29N, R11W, NMPM;
 - 6. Marquis G. Eaton Gas Unit "A" Well No. 1-E, Unit A, Sec. 25, T29N, R11W, NMPM;
 - 7. Valdez Com B-1 Well No. 1, Unit O, Sec. 24, T29N, R11W, NMPM;

- 8. Bruce Sullivan Com B Well No. 1, Unit D, Sec. 25, T29N, R11W, NMPM;
- 9. Sullivan Gas Unit "A" Well No. 1-E, Unit M, Sec 25, T29N, R11W, NMPM;
- 10. Eaton Com "B" Well No. 1, Unit P,
 Sec. 25, T29N, R11W, NMPM.

Attached hereto and incorporated by reference are Division Forms C-102 for each well.

- 3. Applicant proposes to dedicate a 320-acre Dakota unit to each well and a 160-acre Chacra-Mesaverde unit to each well as shown on the Form C-102 attached hereto and incorporated by reference.
- 4. Applicant proposes to complete each well as shown on the wellbore schematic attached hereto and incorporated by reference.
- 5. That approval of the application will be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

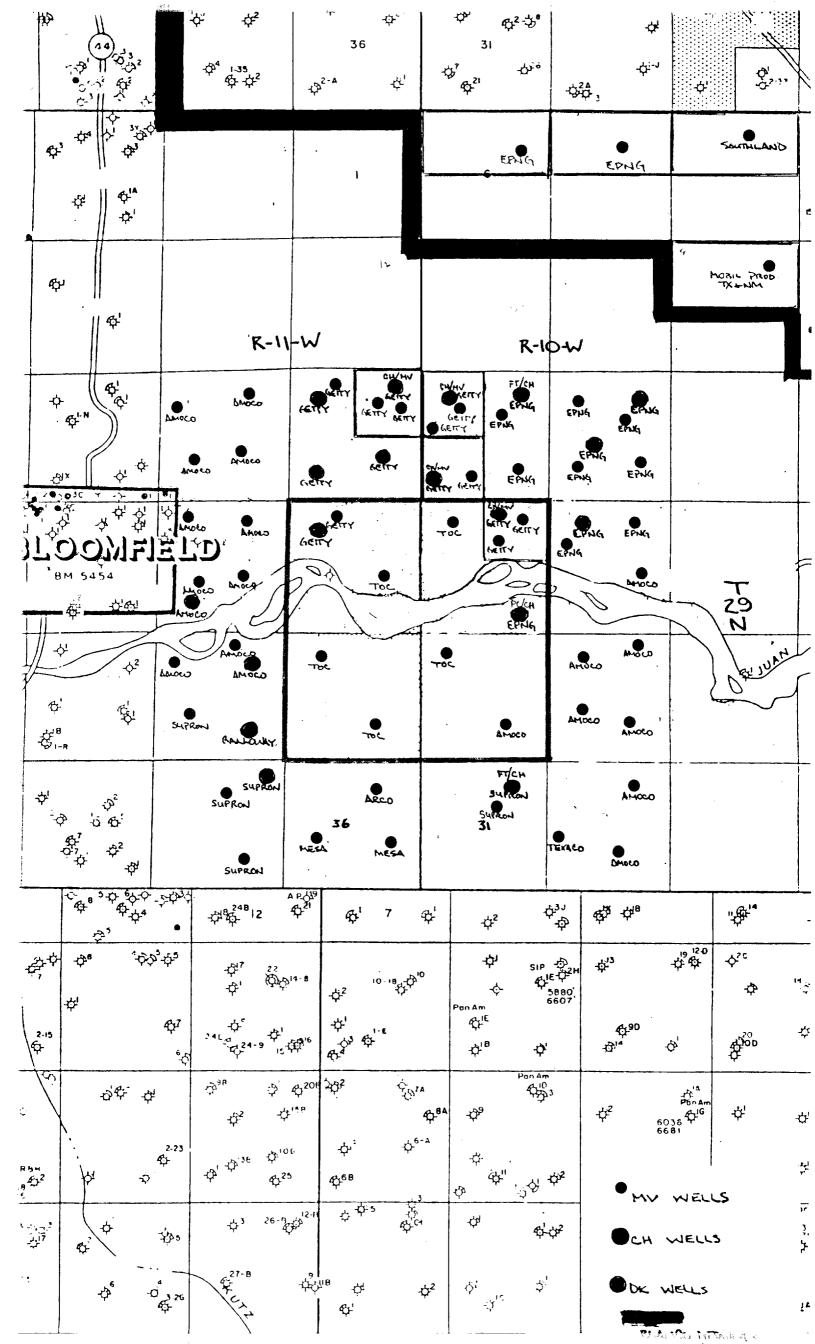
WHEREFORE, Applicant requests that this matter be set for hearing and that after notice and hearing, the Division approve the application as requested.

W. Thomas Kell'al KELLAHIN & KELLAHIN

TENNECO OIL

P. O. Box 1769 'Santa Fe, New Mexico 87501 ATTORNEYS FOR APPLICANT

COMPANY



P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

All distances must be from the cuter houndaries of the Section.

| perator | | | | | Lease | | | | Well No. | |
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STATE OF NEW MEXICO LHERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102 kevised 10-1-78

SANTA FE, NEW MEXICO 87501

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| Operator | | | Lease | | | Well No. |
| TENNECO OI | L COMPANY | · · · · · · · · · · · · · · · · · · · | ELVIN J. | PAYNE GAS I | JNIT "A" | 1-E |
| Unit Letter | Section | Township | Range | County | | |
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STATE OF NEW MEXICO HERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501 All distances must be from the cuter boundaries of the Sec

Form C-102 kevised 10-1-78

ices must be from the cuter boundaries of the Section

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| Unit Letter | Section | | Towns | • | Romo | | County | _ | | | | |
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| dated by one Yes If answer this form in No allowa | is "nif nece | nitization No I o,' list tl essary.)_ Il be assi | f answer he owners | is "yes;" type of and tract descent | ing. etc? of consoli criptions | dation which have s have beer | actually consolic | been c | onsolida (by com | ated. (| Use reverse side of zation, unitization, ved by the Commis- | |
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STATE OF NEW MEXICO JERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

P. O. UOX 2088

Form C-107 keyised 10-1-78

All distances must be from the cuter houndaries of the Section

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| Interest Section Township Rouge County D 30 25N 10d San Juan The street with the street well and the street will be colored peacifior hackure marks on the plat below. 1. Outline the accease dedicated to the subject well by colored peacifior hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if accessary). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION 1 hereby certify that the information constanted herein is true and camplete in the best of my knowledge and bellef. Name Sec. 30 1 hereby certify that the unitization and the answer is true and camplete in the best of my knowledge and bellef. New on this plat was platted from field mans of actual turvery mark by me as a true of current to the best of my knowledge and bellef. New on this plat was platted from field mans of actual turvery mark by me as a true of current to the best of my knowledge and bellef. Position Cempony Cempony Date Centificate No. 2 gifts New on ledge and bellef. Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificate No. 2 gifts Centificat | TENNECO OI | L COMPANY | | St | LLIVAN FRAI | ME COM "B | 11 | |
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| Sec. Date Date | 7 7 | 1 | | | ! ! | . de se propins de mes e | tained he | rein is true and complete to the |
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| Date Surveyed RED LAND November Age Land Survey and the same and/or Land Surveyor To. Certificate N. B. KER. | | | | | | | | |
| Novemen Agel 934 Registere Professional Conducts and/or Land Surveyor 10. Fred R. Merr Jan. Certificate No. B. KER. | | | | 30 | | | shown on notes of under my is true o | this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my |
| 0 330 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0 3950 | | | | 7-1 | | | Nover Registered and/or Land Fred | Profession |
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STATÉ OF NEW MEXICO JERGY ALS MINERALS LIFERTIMENT

P.O. UOX 2088 SANTA FL. NEW MEXICO 87501

Form C-102 kevised 10-1-78

All distances must be from the cuter tousidestes of the Section

| TENNECO OI |) | VALDEZ GAS UNIT "A" | | | well No. | | | | | |
|--|-----------------------|---------------------|---------------------|--|-------------|----------|--------------------------|---|--|--|
| nit Letter Section Township | | | | Range County | | | | | | |
| G | 24 29N | | | | 11W San Jua | | | | | |
| 1650 | | North | from the | East | line | | | | | |
| 5486 | Producing Form | 1 - | P∞l Basin Dakota | | | | Dedicated Acreage: Acres | | | |
| 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. | | | | | | | | | | |
| 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). | | | | | | | | | | |
| 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? | | | | | | | | | | |
| Yes | ☐ No II an | iswer is "y | es," type of co | nsolid | ation | <u> </u> | | | | |
| this form if | necessary.) | | | ······································ | | | | ated. (Use reverse side of | | |
| | | | | | | | | munitization, unitization, approved by the Commis- | | |
| | 1 | | | | | | | CERTIFICATION | | |
| | i | | | | | - 111 | I hereby | certify that the information con- | | |
| | • | | | ; | | | 1 | rein is true and complete to the | | |
| · • · | 1 | | 650" | () | | | best of m | y knowledge and belief. | | |
| | ! | | 16 | [] | | | | | | |
| | . - + - | | | | | | Name | | | |
| | 1 | | (| i | 1650' | | Position | | | |
| | l | | | - I | | | Company | | | |
| | i . | | | i | | | Date | | | |
| | l Se | ec. | | 1 | | | | | | |
| | | | 24 | 1 | | | | .1 | | |
| | 1 | | 24 | 1 | | | 1 | certify that the well location this plat was plotted from field | | |
| | į | | | i | | | 1 | actual surveys made by me or | | |
| | } | | | 1 | 0 | | under my | supervision, and that the same | | |
| | 1 | | | į | O | | \$ | nd correct to the best of my and belief. | | |
| | -+ | | | - + | | | | | | |
| | 1 | | | 1 | | | Date Survey | | | |
| | 1 1 | | | 1 | | | Registered 1 | | | |
| | | | | | | | and/or Land | Surveyor's E | | |
| | | | | | | | Certificote | S. A. DE IR. | | |
| 320 440 | 0 1320 1650 1940 | 2310 2640 | 2000 | 1500 | 1000 50 | 0 0 | 3950 | W. A. III | | |

STATE OF NEW MEXICO LHERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

FORM C-102 kevised 10-1

All distances must be from the cuter houndaries of the Section.

| | | | 7 | | | · | | | |
|--|---|---|------------|--------------|---------------|--|---|--|--|
| Operator | | | Lease | | | | Well No. | | |
| TENNECO OI | | Township | | UIS G. EA' | | UNIT "A" | 1-E | | |
| Unit Letter A | Section 25 | 29N | Rang | llW | County San | โมลก | | | |
| Actual Footage Loc | | 2711 | | 7.74 | l nam | Juan | | | |
| 990 | feet from the NO | rth line and | 990 | fe | et from the | East | line | | |
| Ground Level Elev. | 1 | mation | Pool | | | De | edicated Acreage: | | |
| 5457 | Dakota | | Basi | n Dakota | | | Acr | | |
| If more the interest ar If more the | nan one lease is nd royalty). an one lease of d | dedicated to the wel | l, outline | each and ide | entify the c | ownership ther | eof (both as to working | | |
| Yes If answer this form in the second in th | No If ar is "no," list the of necessary.) | owners and tract descended to the well until al | of consoli | which have a | ctually bee | ed (by commu | nitization, unitizatio | | |
| | 1 | | | | | | CERTIFICATION | | |
| | | | | 066 | 901 | tained herein | ily that the information con is true and complete to the nowledge and belief. | | |
| | i i i S | ec. | · | ! ! | | Date | | | |
| | | 25 | | | | shown on this notes of act under my sugar true and knowledge | RED LAND | | |
| 0 330 660 | 90 1320 1650 198 | 0 2310 2640 200 | 0 1500 | 1000 | 500 0 | Registered Pro | resident Engineer irveyer Kerr Jr. | | |

TERMECO OIL Penthouse 720 South Colorado Boulevard Denver, Colorado 80222

WELL LOCATION PLAT AND DESCRIPTION

| VALDEZ COM B-1 | |
|--|----|
| 825 | |
| /4-1/4-1/4 Section SE NW SE County San Juan State New Mexico | |
| ease No.: FederalState NM 481 482 483 484 530Fee | |
| MV 320 Spacing Unit Chacra 160 Acres: Description Mesaverde: E/2 Chacra: SE/4 | _ |
| ocation πeets State rules Yes Field Rules Yes | |
| Deepest Objective Mesaverde Est. TD 4500 Est. G.L. Elev 5450 | |
| Plat Scale: 1" = 1000 ft. R11W | |
| 5280' | |
| - Letter was a state to a state of the state | |
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| 0 1670 | |
| 825 | |
| 623 | |
| | |
| Preferred direction for relocation within legal boundaries shown | |
| If relocation of more than O feet is necessary, please contact Carol Peavey | _ |
| in the G.E. Section. | - |
| Original Signed By: Prepared by Doug Brandon Approved by RHCASTIC Date October 24, 19 | 79 |
| | _ |
| cc: Kell File Land | • |
| Properties Administrative | |
| Drilling | |

P. O. DOX 2088

Form C-107 Revised 10-1-78

| HERGY AND MINERALS DE | FARTMENT | SA | ANTA FE | , NEW MEXIC | 0 875 | 501 | | Revised 10-1-78 |
|---|---|---------------|---------------|--|-----------|------------|--|--|
| | | All distances | must be fee | m the cuter flounder | les et si | e Section. | | |
| Operator | | | | Lease | | | | Well No. |
| TENNECO OIL COM | | | | BRUCE SUL | LIYAŅ | | | |
| Unit Letter Section | | Township | | Range | - | County | _ | |
| D 25 | | 29N | | 1_1W | | San | Juan | |
| Actual Footage Location of | Well: | | | | | | | |
| | from the | North | line and | 790 | feet | from the | West | line |
| • • • | Producing Fore | mation | | Pool | | | | Dedicated Acreage; |
| 5457 | | | | | | | · · · · · · · · · · · · · · · · · · · | Acres |
| interest and roy | e lease is alty). | dedicated | to the well | l, outline each ar | nd iden | tify the o | ownership | thereof (both as to working of all owners been consoli- |
| If answer is "n this form if nece No allowable wi | No If ar o," list the ssary.) II be assign | owners and | es," type o | f consolidation _ riptions which ha | nve act | ually be | ed (by co | dated. (Use reverse side of mmunitization, unitization, n approved by the Commis- |
| | | | | | | | 1 | CERTIFICATION |
| 790' | | | · | | | | tained h | certify that the information con- terein is true and complete to the my knowledge and belief. |
| | | Sec. | | | | | Company | |
| | 1 1 1 1 1 | | 25 | | | | shown o notes o under m Is true | y certify that the well location on this plat was plotted from field f actual surveys made by me or y supervision, and that the same and correct to the best of my lige and belief. |
| 0 230 680 -90 | 1320 1050 19 | an 2510 204 | 00 200 | 0 1800 1000 | | | Registered and/or Ca | Exercise Report Formation of the survey of t |

STATE OF NEW MEXICO HERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter boundaries of the Section.

| perator | | | Lease Well No. | | | | | | | | |
|-----------------------------|--------------------------------------|---|----------------------|-----------------------|---|--|--|--|--|--|--|
| | OIL COMPANY | | SULLIVAN G | SULLIVAN GAS UNIT "A" | | | | | | | |
| nit Letter Section Township | | | Range | County | " 1 1-E | | | | | | |
| M | 25 | | | San | Juan | | | | | | |
| ictual Footage Loc | ctual Footage Location of Well: | | | | | | | | | | |
| 990 | Teet tron. the | uth line or | | feet from the | West line | | | | | | |
| 5583 | Producing For | mation | Pool | | Dedicated Acreage: Acres | | | | | | |
| | ne acreage dedica | ted to the subject | well by colored per | ncil or hachur | re marks on the plat below. | | | | | | |
| interest a | nd royalty). | | | | e ownership thereof (both as to working | | | | | | |
| | communitization, u | nitization, force-points is "yes;" type | oling. etc? | | e interests of all owners been consoli- | | | | | | |
| this form i No allowa | if necessary.) ble will be assign | ed to the well until | all interests have b | een consolid | ated (by communitization, unitization, ests, has been approved by the Commis- | | | | | | |
| | | | | | I | | | | | | |
| | | | | | CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. | | | | | | |
| | + ! ! | | | | Position | | | | | | |
| | | ec. | | | Date | | | | | | |
| | | 25 | | | I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. | | | | | | |
| 990' | © | | | | Date Surveyed September 17 1 179 Registers Professional Crymeer and/or and Sugaryor Trees B. Reyr Jr. | | | | | | |
| 330 660 | 90 1320 1650 198 | 0 2310 2640 26 | 000 1500 1000 | 500 | | | | | | | |

STATE OF NEW MEXICO TRGY AND MINERALS DEFARTMENT

OIL CONSERVATION DIVIDION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

form C-102 Revised 10-1-78

All distances must be from the cuter housdories of the Section.

| | | | | | | · | | |
|----------------------------------|--|---|----------------------------|---|-------------------------|---------------------------|---|---|
| erator | T COMPANY: | | Leon | | | Well No. | | |
| TENNECO OI | Section . | Township | 1 | EATON COM 11 B11 Range County | | | | |
| P | 25 | _29N | 1 | llW | San | Juan | | |
| tual Footage Loc | | 17: | <u>-</u> | | 1 | - Cunii | | |
| 1040 | feet from the | South III | ne and | 790 tee | t from the | East | line | |
| ound Level Elev. | Producing Fo | rmation | Pool | | | | Dedicated Acreage | : |
| 5562 | | | | | | | | Acres |
| 1. Outline th | ne acreage dedic | ated to the subje | ect well by | colored pencil o | r hachure | marks on th | re plat below. | |
| | nan one lease is nd royalty). | dedicated to th | e well, out | line each and ide | ntify the | ownership tl | hereof (both as t | o working |
| dated by o | communitization, | unitization, force | -pooling. e | | | | all owners beer | n consoli- |
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| this form i | if necessary.) | | | ons which have ac | | · | | |
| No allowa forced-poo sion. | ble will be assign ling, or otherwise | ned to the well un) or until a non-st | til all inte andard uni | rests have been o t, eliminating suc | onsolidat h interest | ed (by com s, has been | munitization, un approved by the | itization, Commis- |
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| | j | | | • • • T | '90' | Date Survey | ad a | |
| | 1 | | | | | | PARIBANDOSO | |
| _ | í | | | i 5 | | Registered | Siotesziopal Exoluse | or |
| · | 1 | | | 101 | | and/or Later | Course of Carlot | 2 |
| | i | | | | | Frad | Kerrise. | |
| | | | | | لصصا | Certification | B KIRR IR. | |

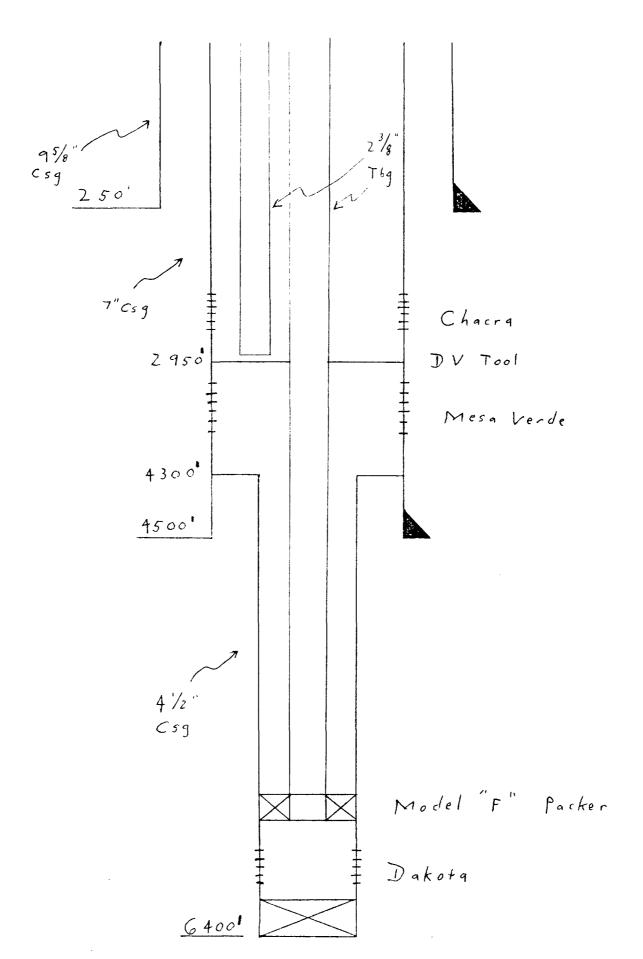
TENNECO OIL COMPANY

BLOOMFIELD AREA

RIOHIW, TZ9N

SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESA VERDE-CHACRA COMMGLE



TENNECO OIL COMPANY

BLOOMFIELD AREA

RIO+II W, TZ9N

SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESA VERDE-CHACRA COMMGLED

