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 A1E	NE-25-29-11
2. Elvin J. Payne A1E	SW-19-29-10
3. Sullivan Frame Gas A1E	NE-30-29-10
4. Sullivan Gas A1E	SW-25-29-11
5. Valdez Gas A1E	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

PAD 3/21/80

TYPE LOG

CHACRA FM.

GETTY OIL COMPANY
HANLEY B#1

SW/4 SEC. 18, T29N-R10W

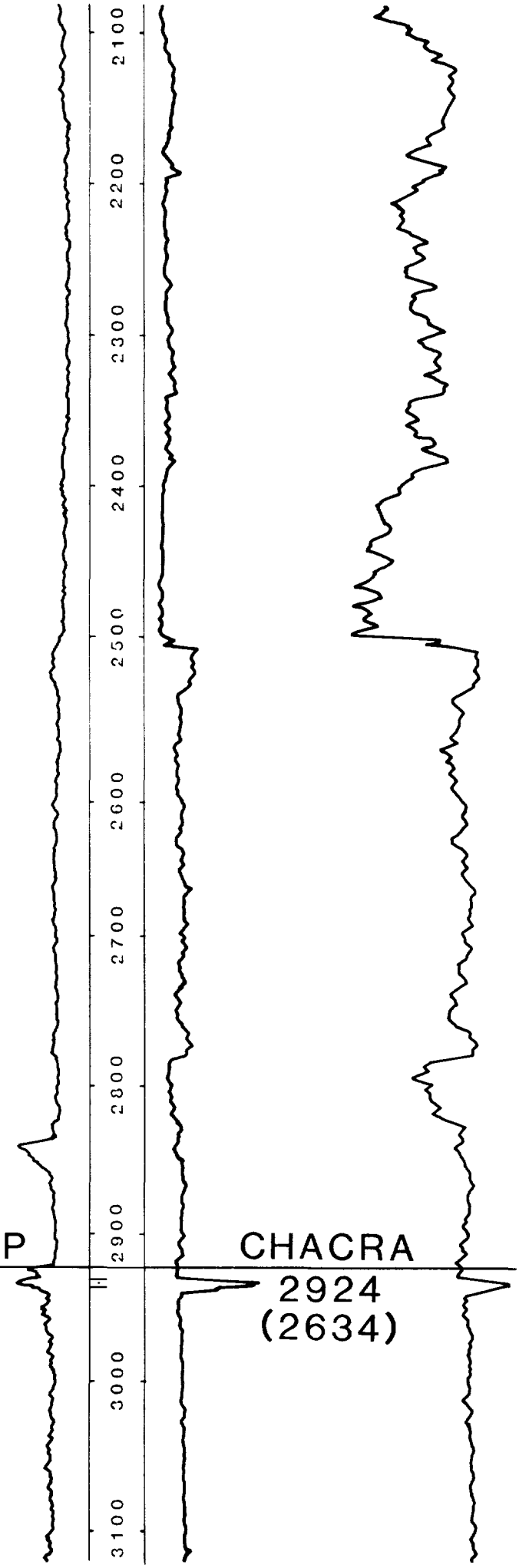
SAN JUAN COUNTY, NEW MEXICO

IPF: 791 MCFD
48/64 CK

PERF: 2932-38

SWFR 21,000 GALS.
30,000 LBS. SAND

TP 46, CP 290, GTY 60



EL PASO NATURAL GAS COMPANY

RPI-ASL 350 CHROMATOGRAPHIC ANALYSIS OF NATURAL GAS

Detty Ch.

RPI DATE 09 15 79 METER STATION NAME [illegible]
ANAL DATE 09 17 79 METER STATION [illegible]
DELIVERY [illegible]

TYPE CODE	SAMPLE DATE	EFF. DATE	[illegible]	[illegible]	SCALE	[illegible] SCALE	LOCATION
00	09 15 79	09 19 79	[illegible]	[illegible]	1	0000*	[illegible]

	MOLE %	GPM
C O 2	00.01	0.000
H 2 S	0000*	0.000
N2	00.27	0.000
METHANE	86.37	0.000
ETHANE	07.15	1.905
PROPANE	02.01	0.553
ISO-BUTANE	00.47	0.154
NORM-BUTANE	00.82	0.258
ISO-PENTANE	00.23	0.084
NORM-PENTANE	00.18	0.065
HEXANE PLUS	00.41	0.179
TOTALS	100.00	3.584

SPECIFIC GRAVITY .6[illegible]

MIXTURE HEATING VALUE
(BTU/CF @ 14.73 PSIA,60 DEGREES,SAT) 1173

RATIO OF SPECIFIC HEATS 1.[illegible]
* NO TEST SECURED FOR DETERMINATION H2S CONTENT.

EXHIBIT NO. 9
CASE NO. 6847
Submitted by [illegible]
Hearing Date [illegible]

ILLEGIBLE

RPT-ADL

Getty M.V.

RPT DATE [illegible]
ANAL DATE [illegible]

TYPE CODE [illegible] DATE
00 [illegible]

C O 2	[illegible]	[illegible]
H 2 S	[illegible]	[illegible]
N2	[illegible]	[illegible]
METHANE	[illegible]	[illegible]
ETHANE	[illegible]	[illegible]
PROPANE	[illegible]	1.016
ISO-BUTANE	[illegible]	0.263
NORM-BUTANE	01.23	0.363
ISO-PENTANE	[illegible]	0.146
NORM-PENTANE	[illegible]	0.101
HEXANE PLUS	[illegible]	0.227
TOTALS	100.00	5.708

SPECIFIC GRAVITY 0.731

MIXTURE HEATING VALUE
(BTU/CF @ 14.73 PSIA,60 DEGREES,DRY) 1274

RATIO OF SPECIFIC HEATS 1.276
* NO TEST SECURED FOR DETERMINATION H2S CONTENT.

EXHIBIT NO. 10
CASE NO. 6847

ILLEGIBLE

Hearing Date

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 ≈ 3100'.
4. Set 7" csg and cement to surface.
5. Drill 6-1/4" hole thru Mesa Verde to ≈ 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.

PAD 3/21/80

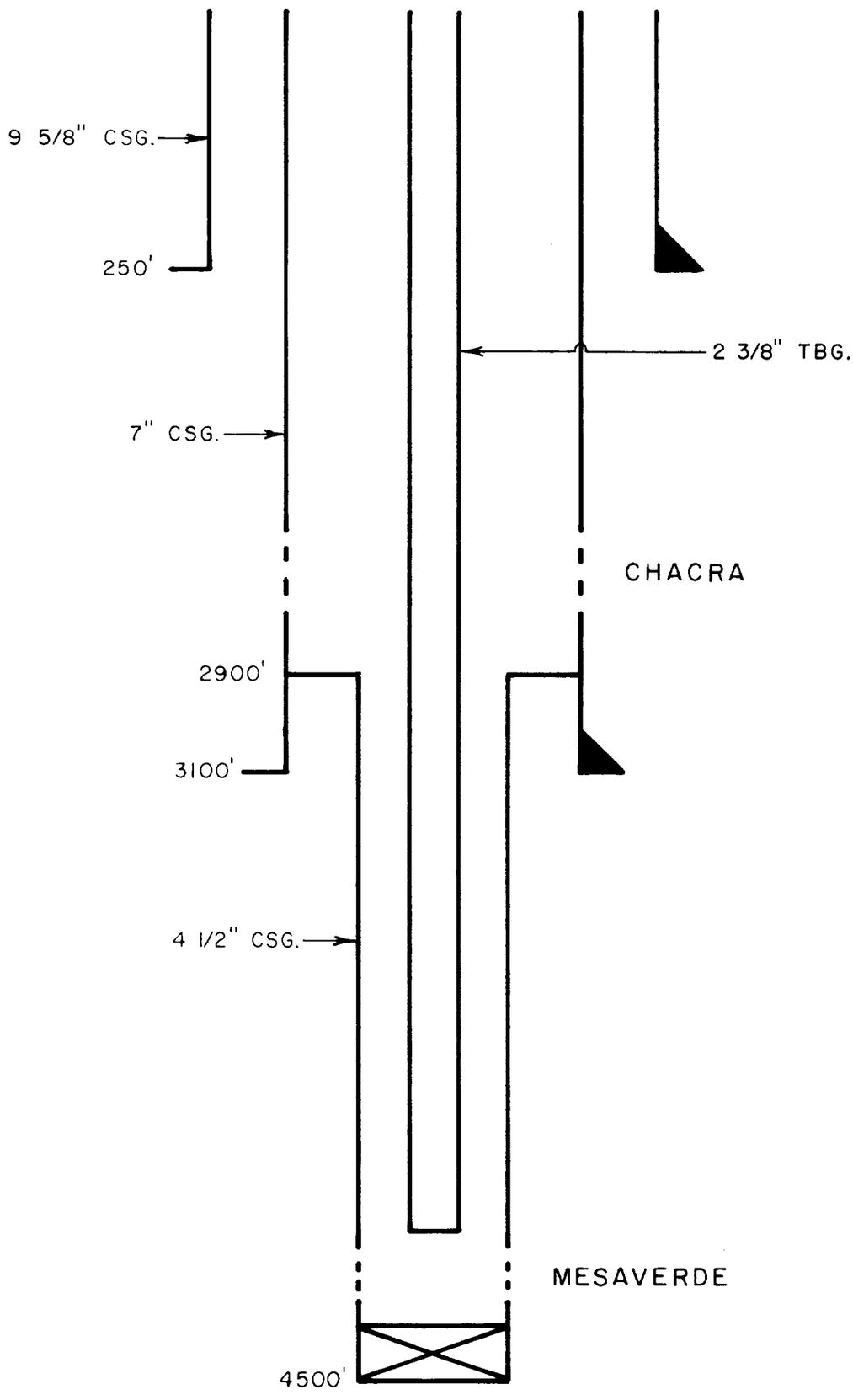
TENNECO OIL COMPANY

BLOOMFIELD AREA

T 29 N - R 10 & 11 W

SAN JUAN COUNTY, NEW MEXICO

MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



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6847

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 ≈ 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 ≈ 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.

PAD 3/21/80

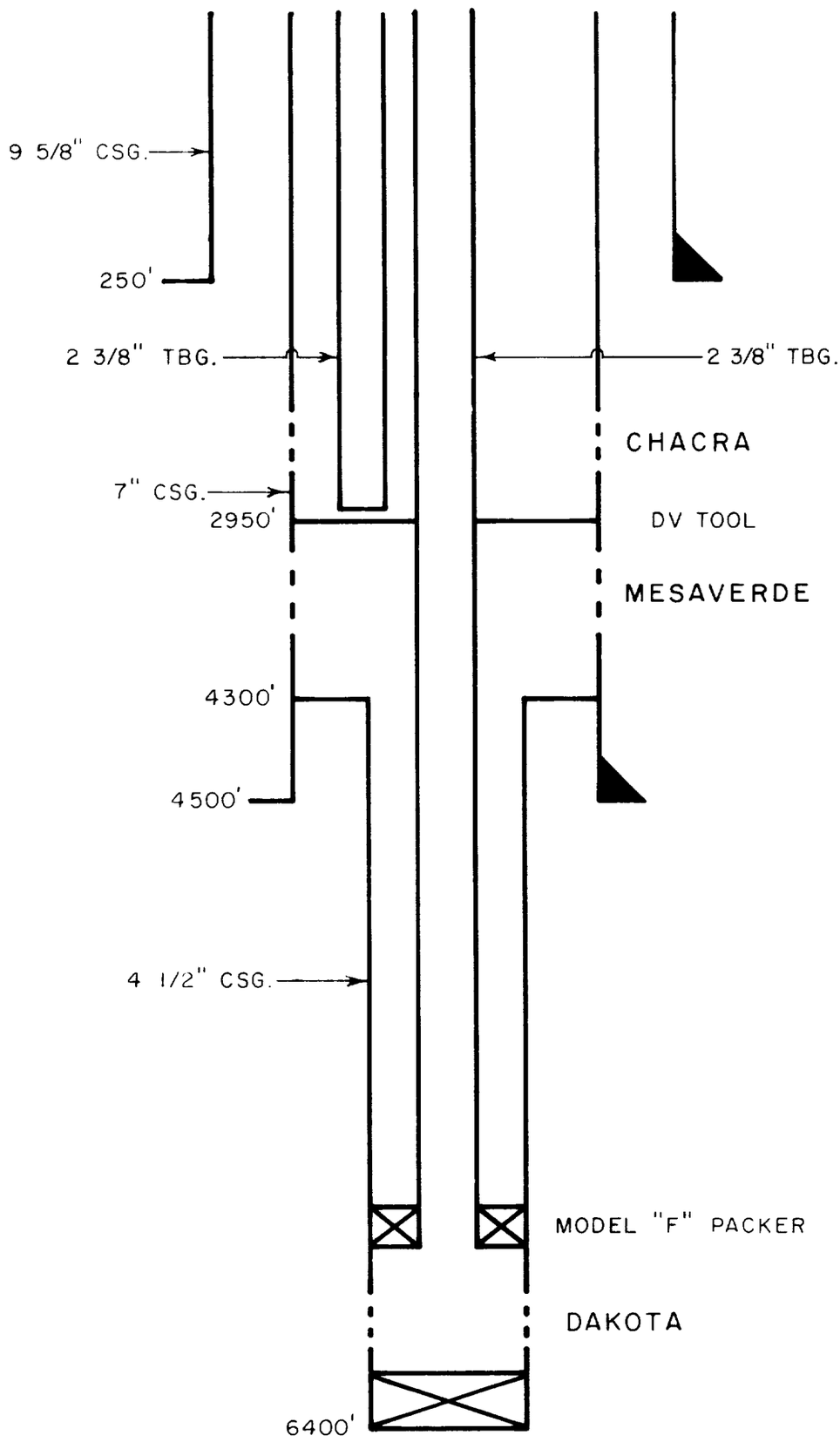
TENNECO OIL COMPANY

BLOOMFIELD AREA

T 29 N - R 10 & 11 W

SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



14

6847

TENNECO OIL COMPANY
1980 BLOOMFIELD AREA DRILLING PROGRAM
ESTIMATED GROSS RESERVES

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

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6847

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

EXHIBIT NO. 16
6847

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

17
6847

PAD 3/21/80

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

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

18

6847

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 1 Dual MV-Chacra	349	-
Drill 1 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

6847 19

PAD 3/21/80

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 A1E	NE-25-29-11
2. Elvin J. Payne A1E	SW-19-29-10
3. Sullivan Frame Gas A1E	NE-30-29-10
4. Sullivan Gas A1E	SW-25-29-11
5. Valdez Gas A1E	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

PAD 3/21/80

TYPE LOG

CHACRA FM.

GETTY OIL COMPANY
HANLEY B#1

SW/4 SEC. 18, T29N-R10W

SAN JUAN COUNTY, NEW MEXICO

IPF: 791 MCFD

48/64 CK

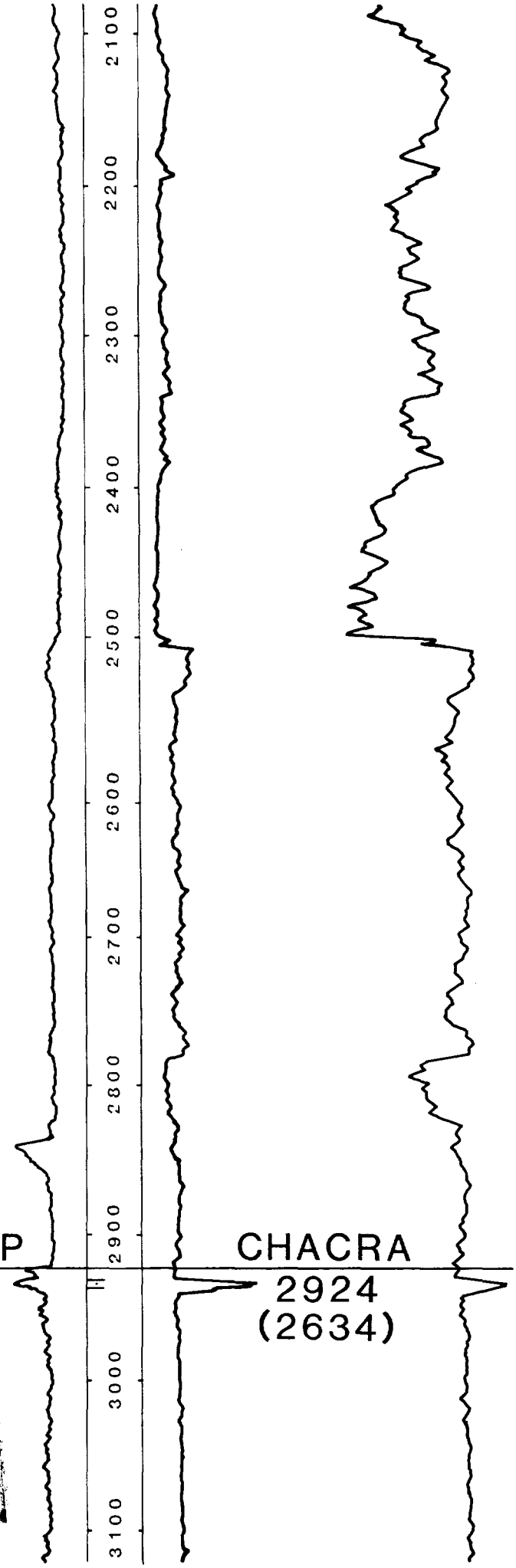
PERF: 2932-38

SWFR 21,000 GALS.

30,000 LBS. SAND

TP 46, CP 290, GTY 60

SICP 1012



TYPE LOG

MESAVERDE FM.

GETTY OIL COMPANY
HANLEY B#1

SW/4 SEC. 18, T29N-R10W

SAN JUAN CO., NEW MEXICO

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 6
CASE NO. 6847
Submitted by
Hearing Date

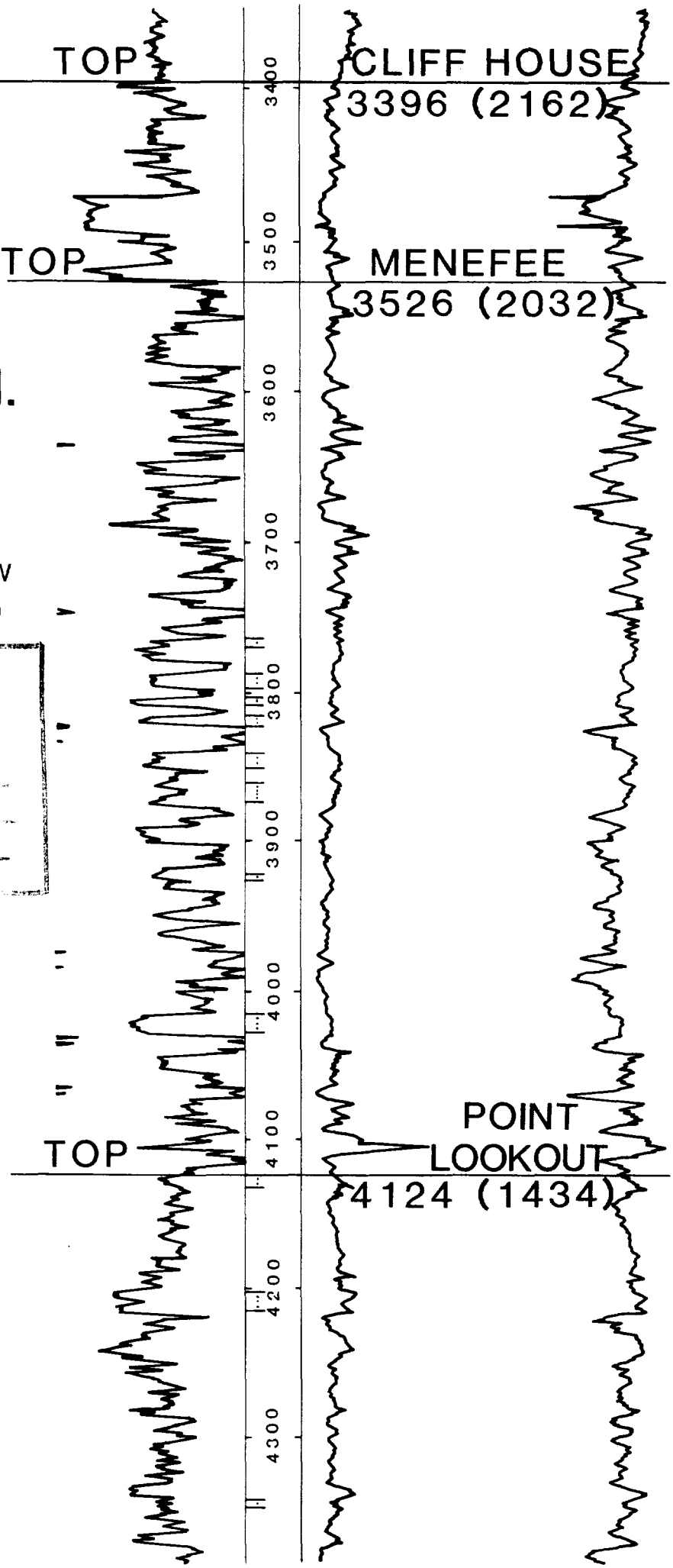
IPF: 2 BCPD 2117 MCFD

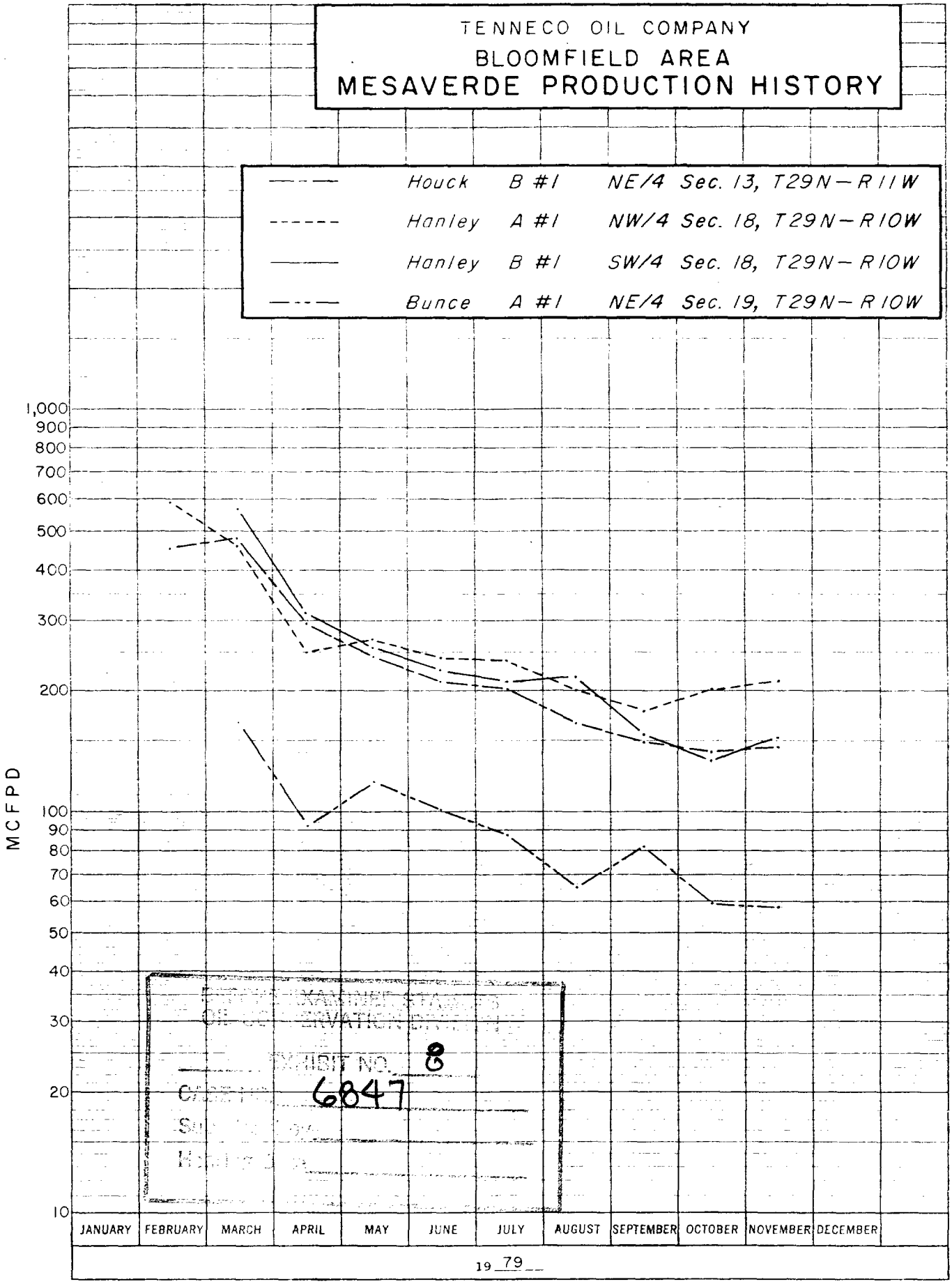
PERF: 3764-69, 3787-97, 3804-10, 3818-22, 3842-52, 3861-76, 3924-28, 4017-29, 4126-32, 4202-17, 4243-44, 4344-49

SWFR 3764 3876
73,000 GALS.
75,000 LBS. SAND

SWFR 3924-4349
48,310 GALS.
55,000 LBS. SAND

TP 148 CPO, GTY 60




TENNECO OIL COMPANY
BLOOMFIELD AREA
MESAVERDE PRODUCTION HISTORY
Houck B #1 NE/4 Sec. 13, T29N—R11W
Hanley A #1 NW/4 Sec. 18, T29N—R10W
Hanley B #1 SW/4 Sec. 18, T29N—R10W
Bunce A #1 NE/4 Sec. 19, T29N—R10W
MCFPD
1,000
900
800
700
600
500
400
300
200
100
90
80
70
60
50
40
30
20
10
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
19 79
EXHIBIT NO. 8
6847

EL PASO NATURAL GAS COMPANY

RPT-ASL 396 CHROMATOGRAPHIC ANALYSIS REPORT

Betty Ch.

RPT DATE 09 19 79 METER STATION NAME
ANAL DATE 09 17 79 ALLEY & ALLEN

TYPE CODE	SAMPLE DATE	REP. DATE	[illegible]	SCALE	MCF DRAWN	LOCATION
00	09 13 79	09 19 79	[illegible]	1	0000*	[illegible]

	NORMAL MOLE %	GPM
CO2	00.01	0.000
H2S	00.00*	0.000
N2	00.27	0.000
METHANE	00.37	0.000
ETHANE	07.13	1.905
PROPANE	03.61	0.935
ISO-BUTANE	00.47	0.154
NORM-BUTANE	00.62	0.258
ISO-PENTANE	00.23	0.064
NORM-PENTANE	00.18	0.065
HEXANE PLUS	00.41	0.177
TOTALS	100.00	3.584

SPECIFIC GRAVITY 0.64

MIXTURE HEATING VALUE
(BTU/CF @ 14.73 PSIA,60 DEGREES F) 1173

RATIO OF SPECIFIC HEATS 1.19
* NO TEST SECURED FOR DETERMINATION H2S CONTENT.

EXAMINER STATE'S
OIL CONSERVATION DIVISION
EXHIBIT NO. 9
CASE NO. 6847
Submitted by
Hearing Date

ILLEGIBLE

Getty M.V.

METHANE	79.[illegible]	0.[illegible]
ETHANE	10.[illegible]	0.[illegible]
PROPANE	0.[illegible]	1.016
ISO-BUTANE	1.11	0.[illegible]
NORM-BUTANE	1.[illegible]	0.308
ISO-PENTANE	0.[illegible]	0.[illegible]
NORM-PENTANE	0.[illegible]	0.101
HEXANE PLUS	0.[illegible]	0.227
TOTALS	100.00	5.708

SPECIFIC GRAVITY [illegible].751

MIXTURE HEATING VALUE
(BTU/CF @ 14.73 PSIA,60 DEGREES,DRY) 1.74

RATIO OF SPECIFIC HEATS 1.276

* NO TEST SECURED FOR DETERMINATION HYDROCARBONS

EXAMINER SERVICES
CONSERVATION DIVISION

EXHIBIT NO. 10
CASE NO. 6847
SUBMITTED BY
DATE

ILLEGIBLE

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 ≈ 3100'.
4. Set 7" csg and cement to surface.
5. Drill 6-1/4" hole thru Mesa Verde to ≈ 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.

EXAMINER STAMPS
OIL CONSERVATION DIVISION
EXHIBIT NO. 11
CASE NO. 6847

PAD 3/21/80

TENNECO OIL COMPANY

BLOOMFIELD AREA

T 29 N - R 10 & 11 W

SAN JUAN COUNTY, NEW MEXICO

MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC

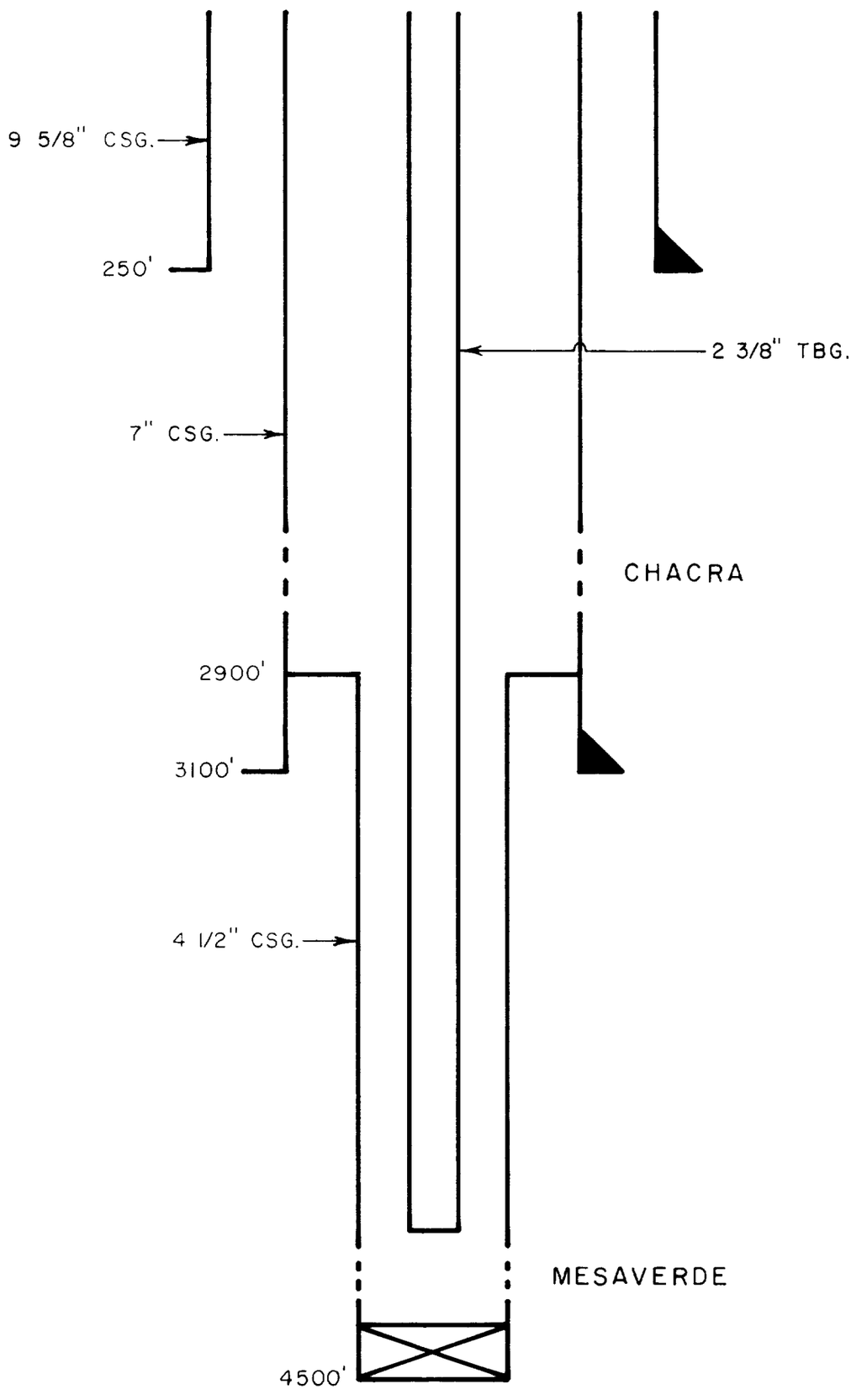


EXHIBIT NO. 12

6847

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 ≈ 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 ≈ 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.

PAD 3/21/80

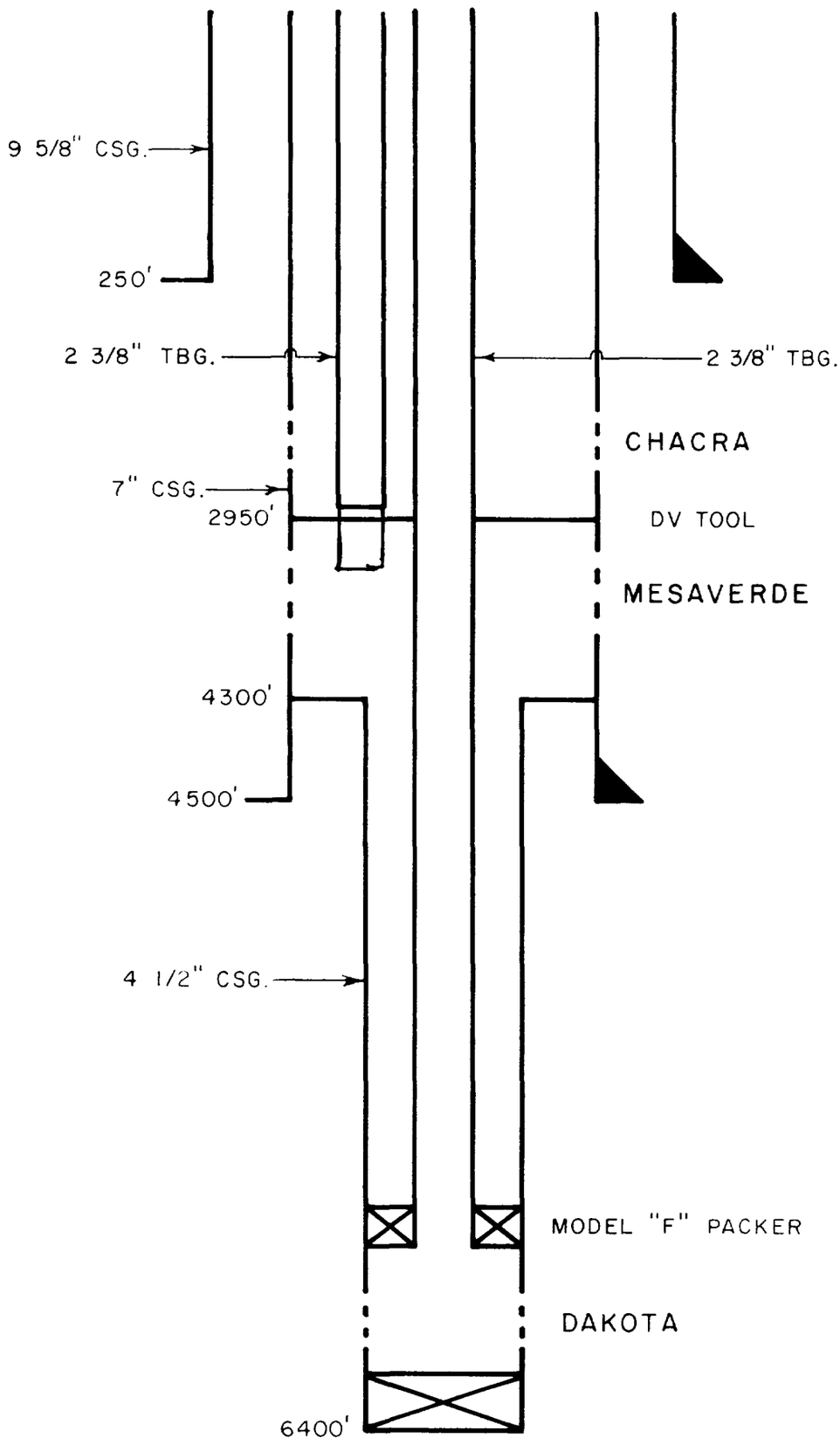
TENNECO OIL COMPANY

BLOOMFIELD AREA

T 29 N - R 10 & 11 W

SAN JUAN COUNTY, NEW MEXICO

DAKOTA DUAL WITH MESAVERDE - CHACRA COMINGLED WELLBORE SCHEMATIC



14

6847

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
	750
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

6847 16

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

17
6847

PAD 3/21/80

6847

18

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

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

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 1 Dual MV-Chacra	349	-
Drill 1 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

6847 19

PAD 3/21/80

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 Ordér 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.

CASE 6841: 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.

CASE 6843: 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 non-standard 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 Gas 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

re: Tenneco Oil Company
Application for Dual Completion
and Downhole Commingling,
San Juan County, New Mexico

Case 6847

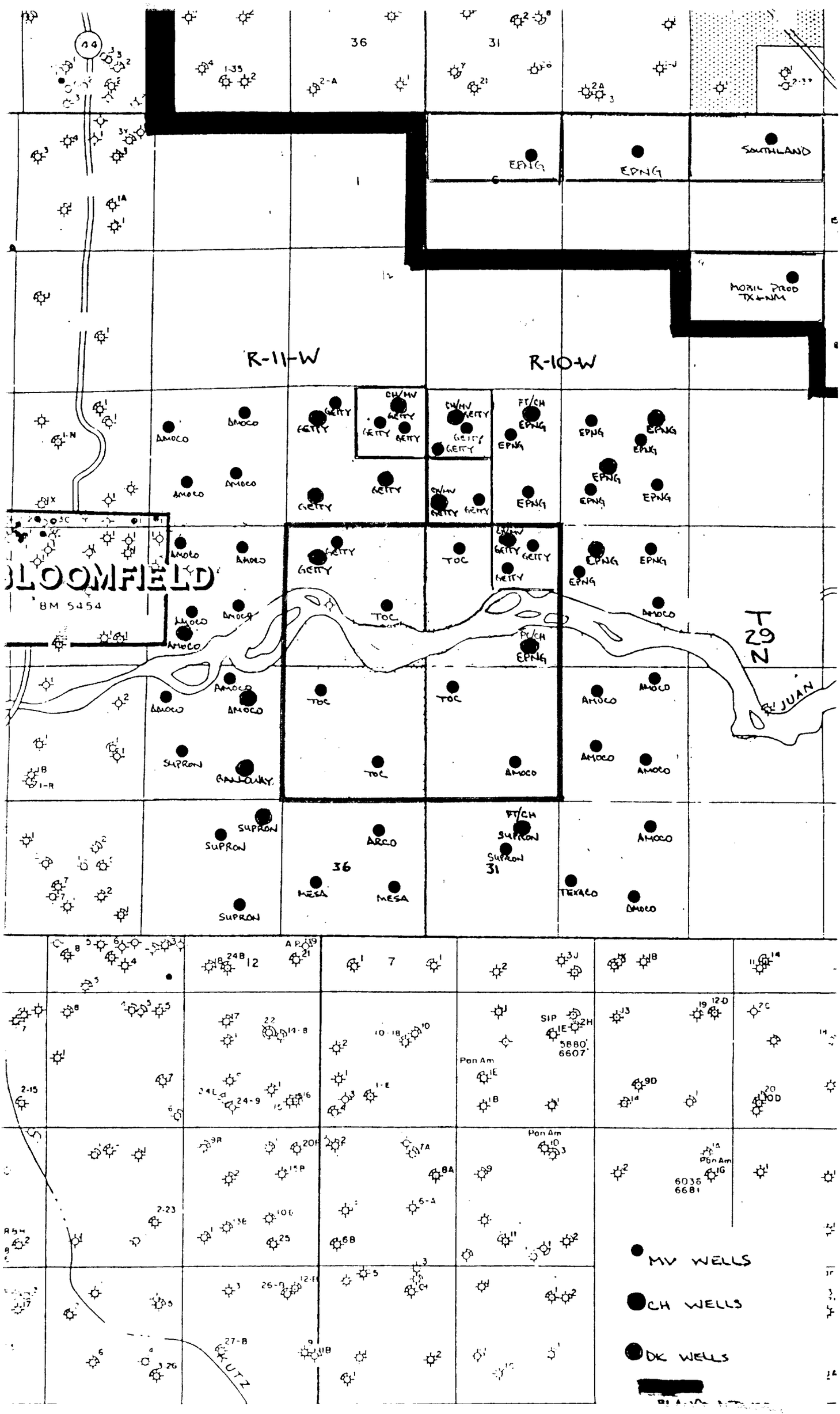
Dear Joe:

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

Very truly yours,

W. Thomas Kellahin

encl.
cc: Mr. Millard Carr (Tenneco - Denver)
WTK:msf


36
31
1
12
EPNG
SOUTHLAND
MOBIL PROD TX+NM
R-11-W
R-10-W
BLOOMFIELD
BM 5454
T 29 N
JUAN
AMOCO
GETTY
CH/MV
FT/CH
TOC
SUPRON
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6681
KUTZ
MV WELLS
CH WELLS
DK WELLS

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	BUNCE COM	1

Unit Letter	Section	Township	Range	County
C	19	29N	10W	San Juan

Actual Footage Location of Well:

990 feet from the North line and 1650 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5521			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

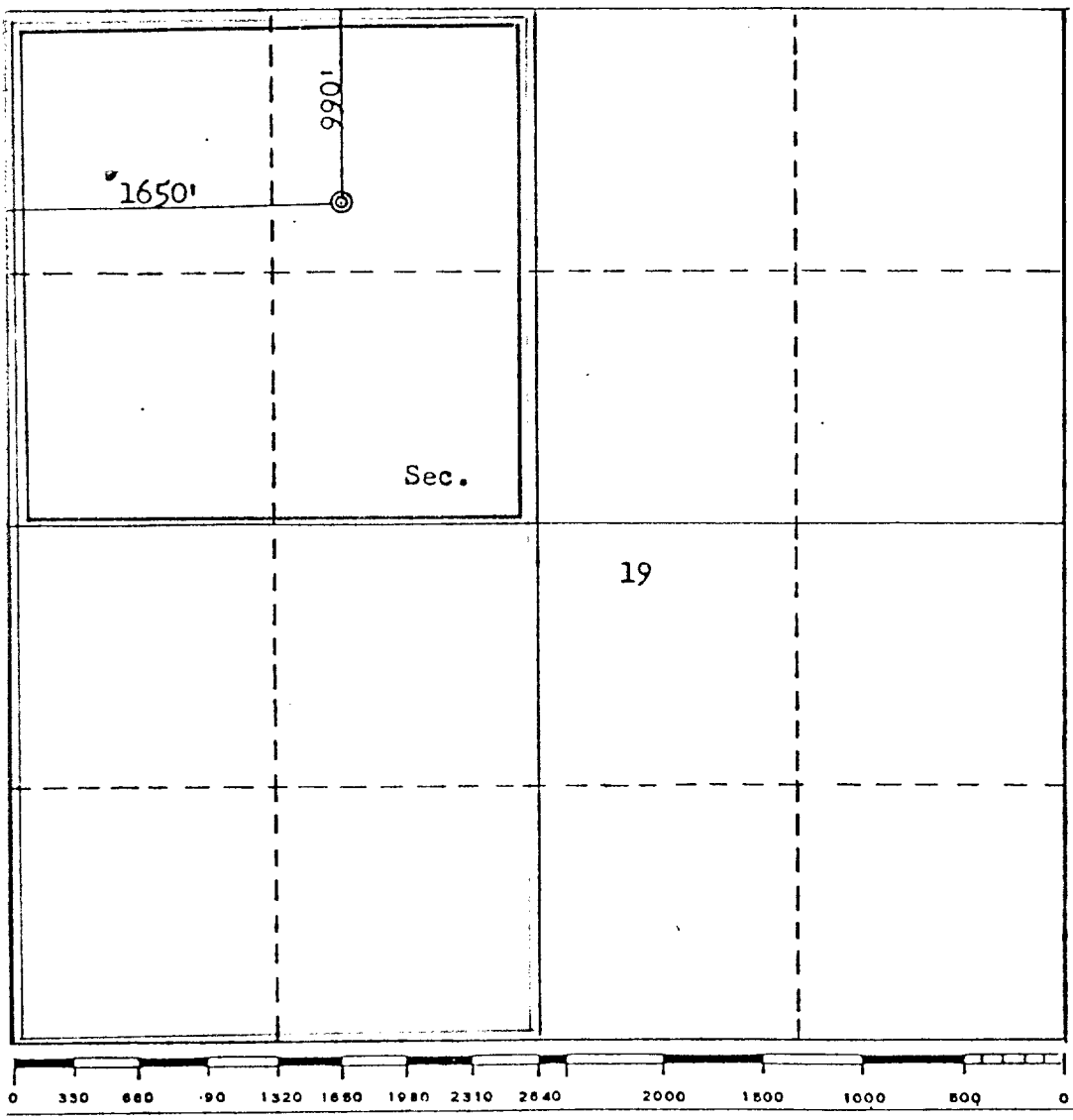
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 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 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.

Name

Position

Company

Date

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.

Date Surveyed
November 26, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED LAND SURVEYOR
FRED B. KERR, JR.
N.M.
3950

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1-78

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	ELVIN J. PAYNE GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
N	19	29N	10W	San Juan

Actual Footage Location of Well:
530 feet from the South line and 2080 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5476			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

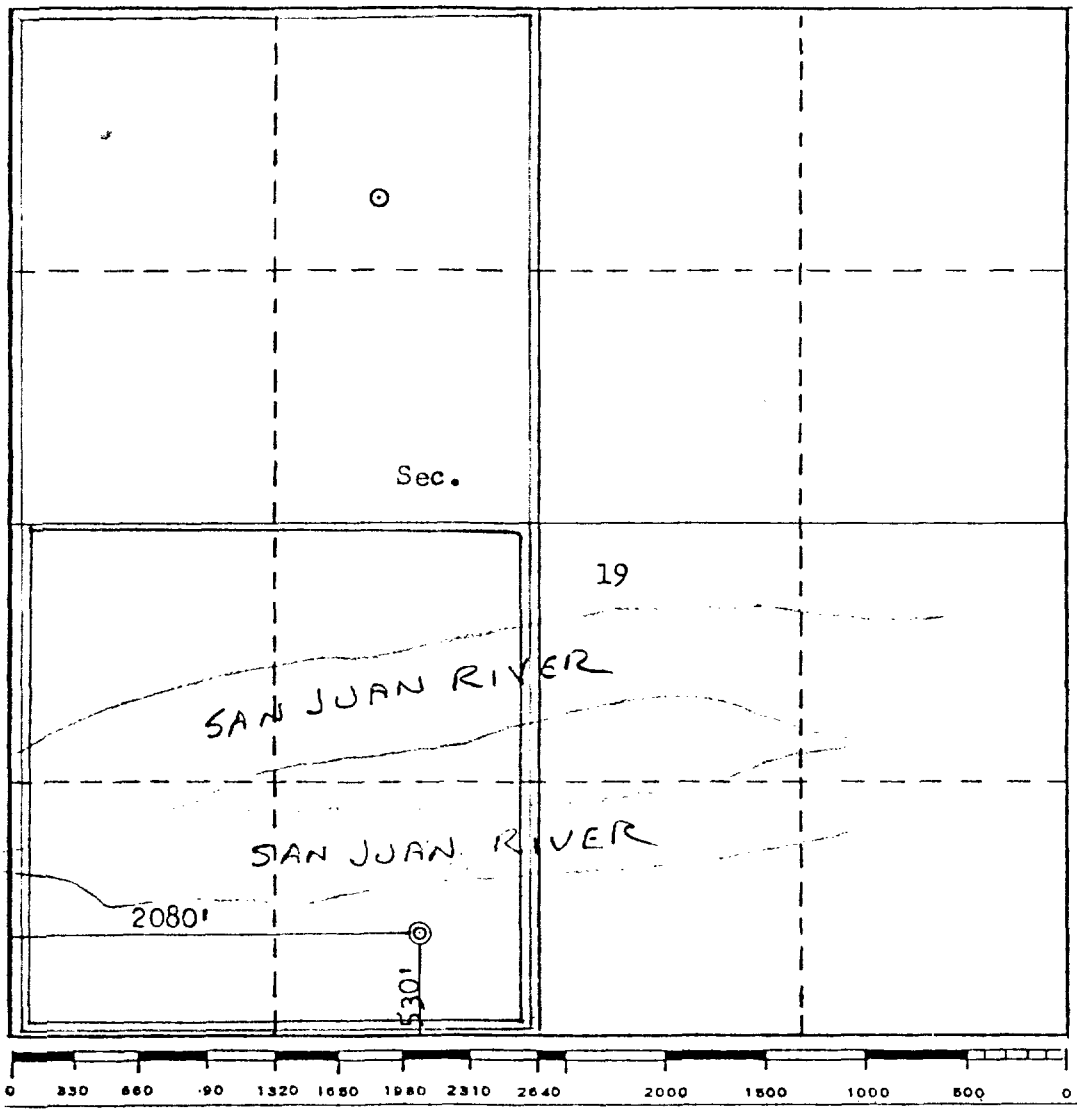
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 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 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.

Name

Position

Company

Date

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.

Date Surveyed
September 14, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	SULLIVAN FRAME GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
A	30	29N	10W	San Juan

Actual Footage Location of Well:
990 feet from the North line and 790 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5502	Dakota	Basin Dakota	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?

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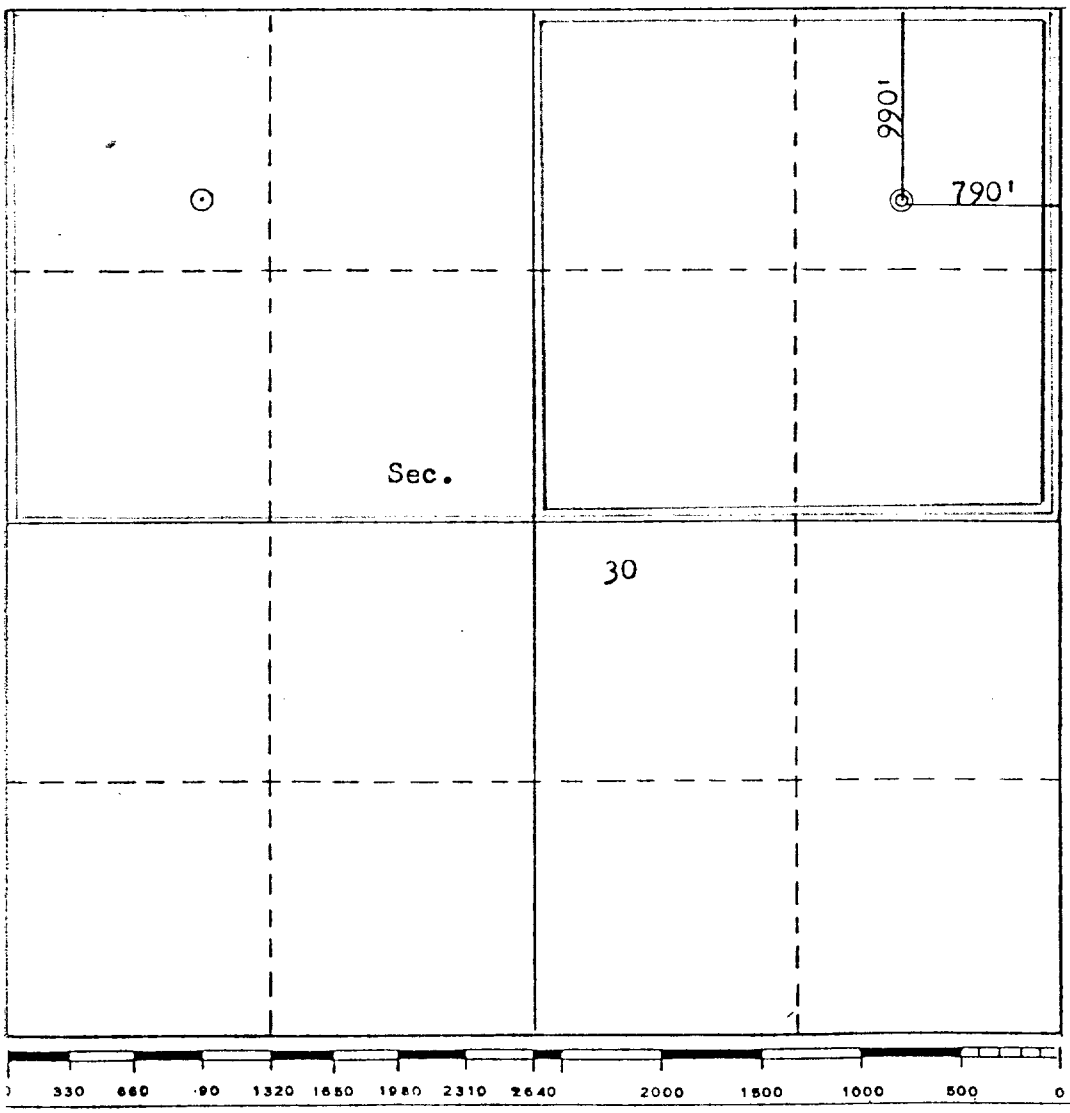

CERTIFICATION

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Name

Position

Company

Date

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.

Date Surveyed
September 3, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED LAND SURVEYOR
STATE OF NEW MEXICO
3950
FRED B. KERR, JR.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-107
Revised 10-1-78

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	SULLIVAN FRAME COM "B"	1

Unit Letter	Section	Township	Range	County
D	30	29N	10W	San Juan

Actual Footage Location of Well: 1100 feet from the North line and 800 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5466			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 If answer is "yes," type of consolidation _____

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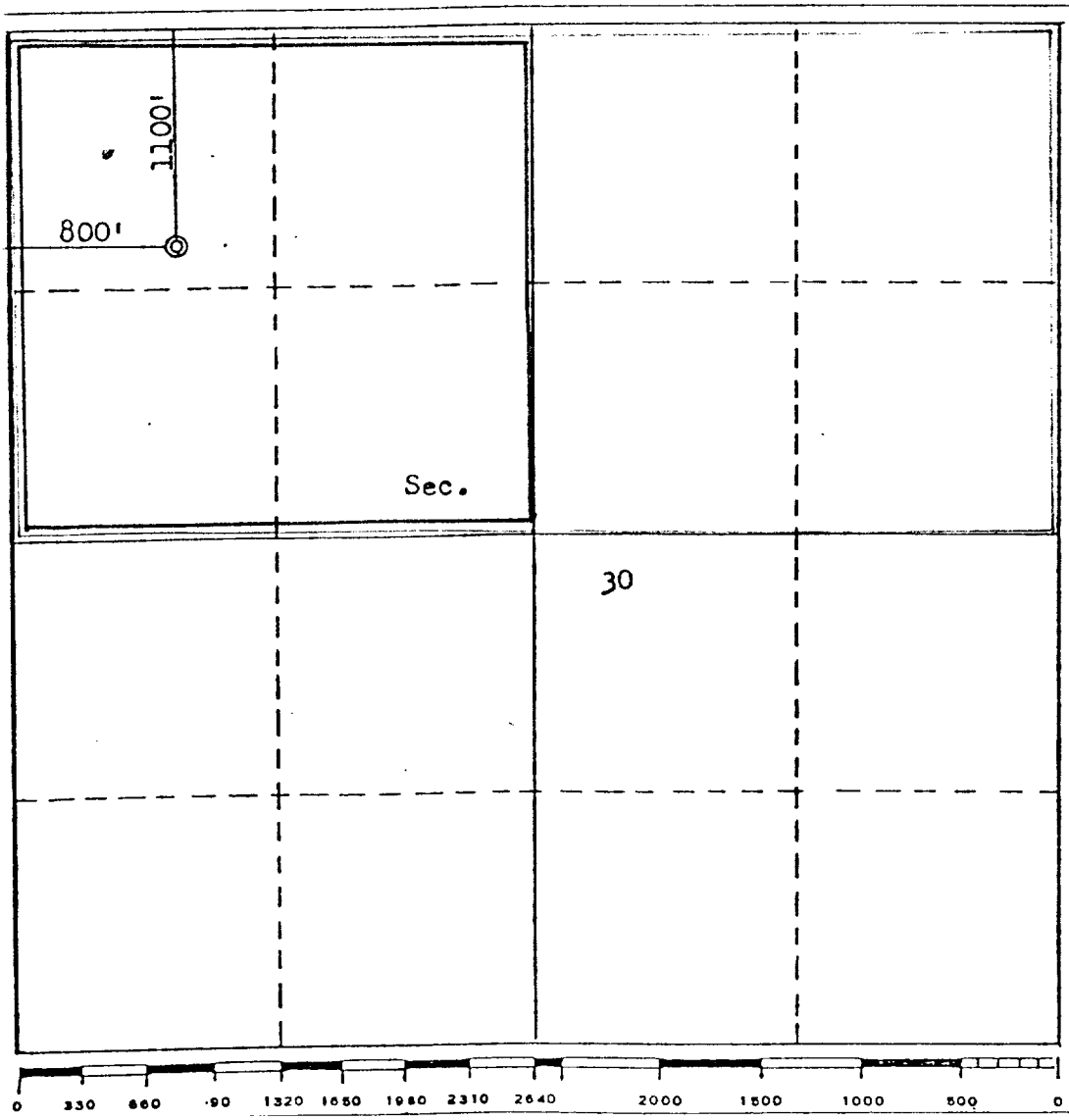

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

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.

Date Surveyed
November 27, 1974

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

REGISTERED LAND SURVEYOR NO. 3950 FRED B. KERR

Certificate No.
3950

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section

Operator	Lease	Well No.
TENNECO OIL COMPANY	VALDEZ GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
G	24	29N	11W	San Juan

Actual Footage Location of Well: 1650 feet from the North line and 1650 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5486	Dakota	Basin Dakota	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 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 necessary.) _____

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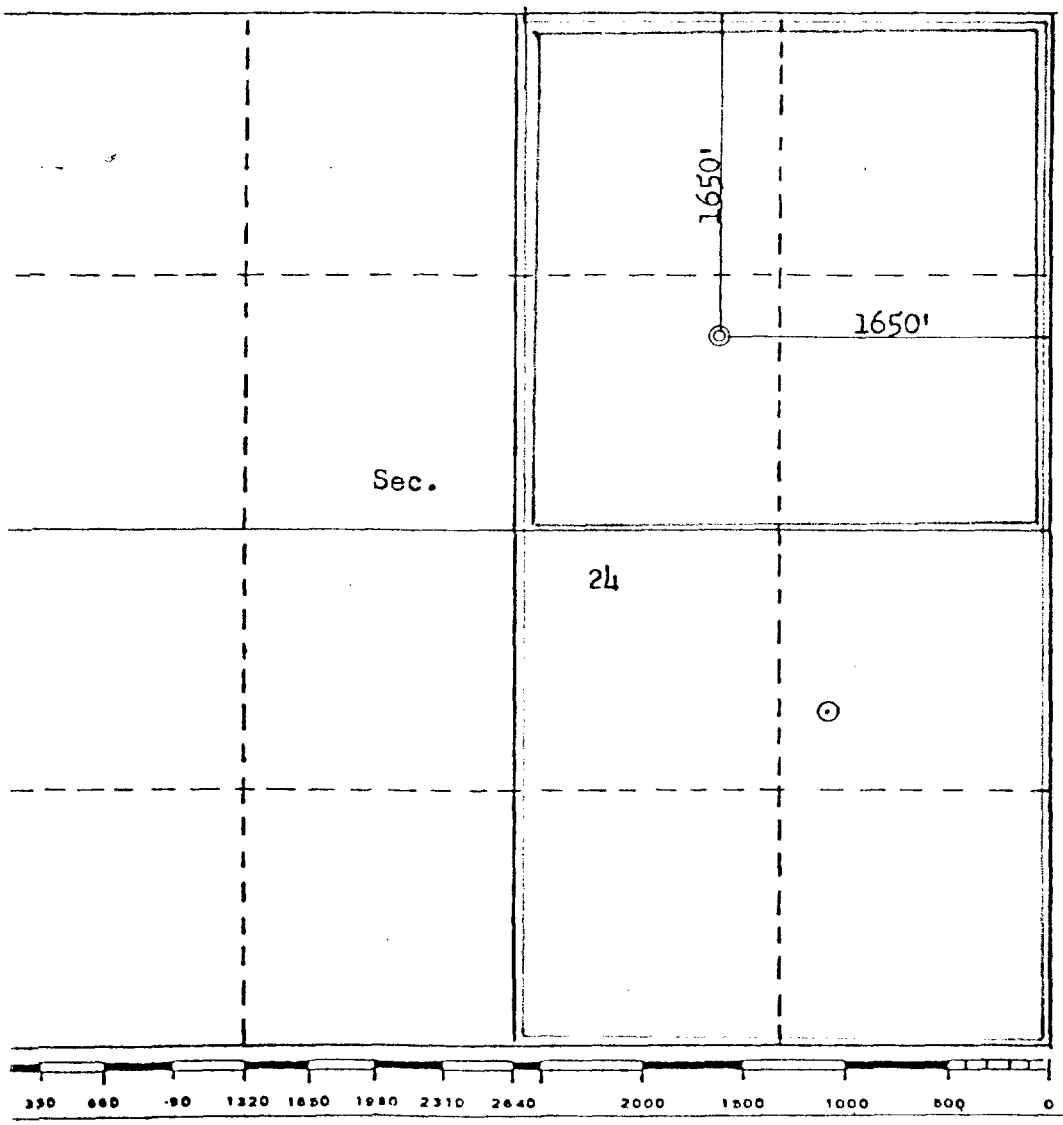

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

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.

Date Surveyed
February 1, 1980

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1-7

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	MARQUIS G. EATON GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
A	25	29N	11W	San Juan

Actual Footage Location of Well: 990 feet from the North line and 990 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5457	Dakota	Basin Dakota	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 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 necessary.) _____

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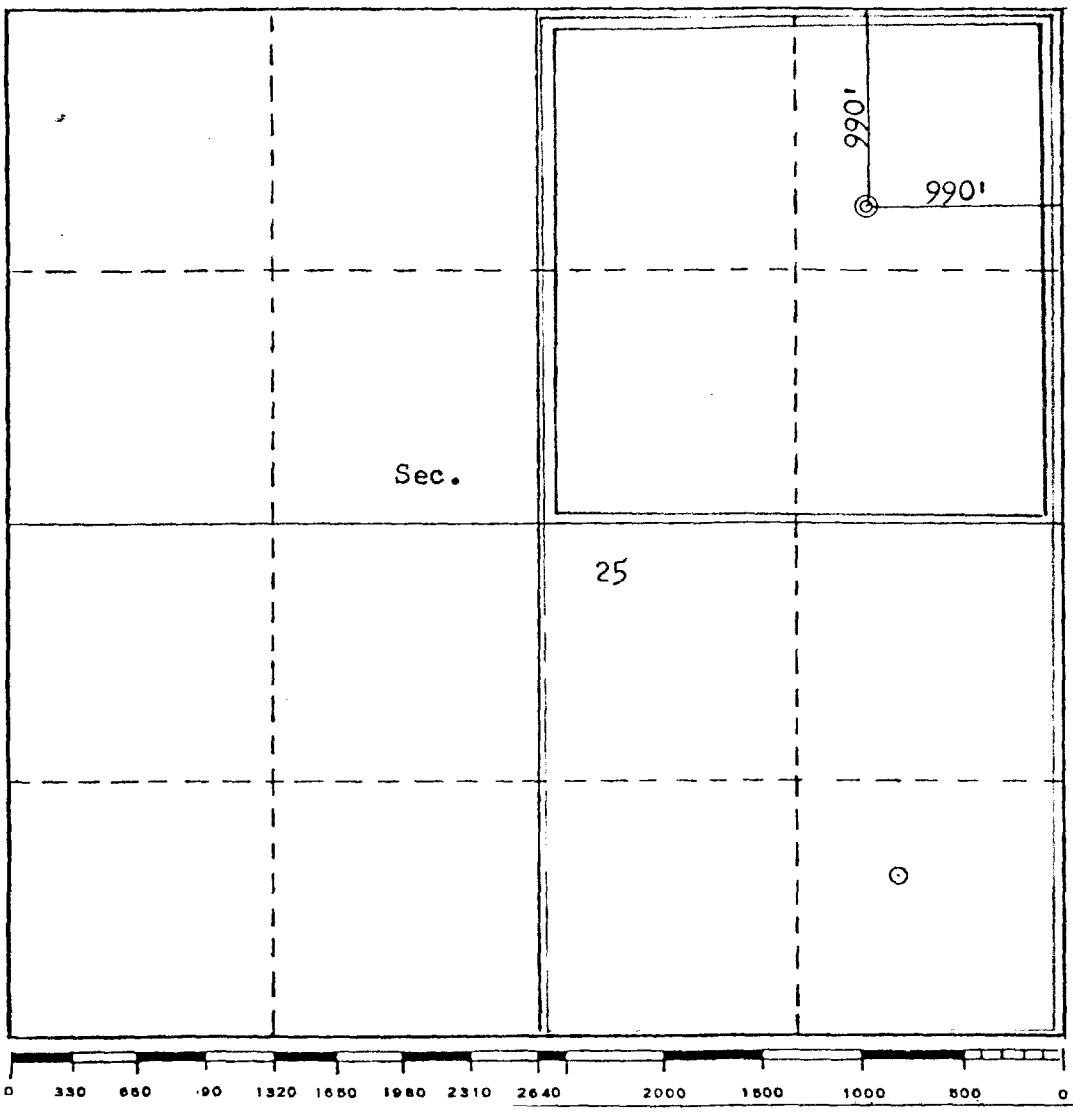


CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

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.

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO

Date Surveyed
September 14, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

TENNECO OIL
Penthouse
720 South Colorado Boulevard
Denver, Colorado 80222

WELL LOCATION PLAT AND DESCRIPTION

Well Name VALDEZ COM B-1

Location: ~~1850~~ 825 FSL ~~1850~~ 1670 FEL Section 24, T 29N, R 11W

1/4-1/4-1/4 Section SE NW SE County San Juan State New Mexico

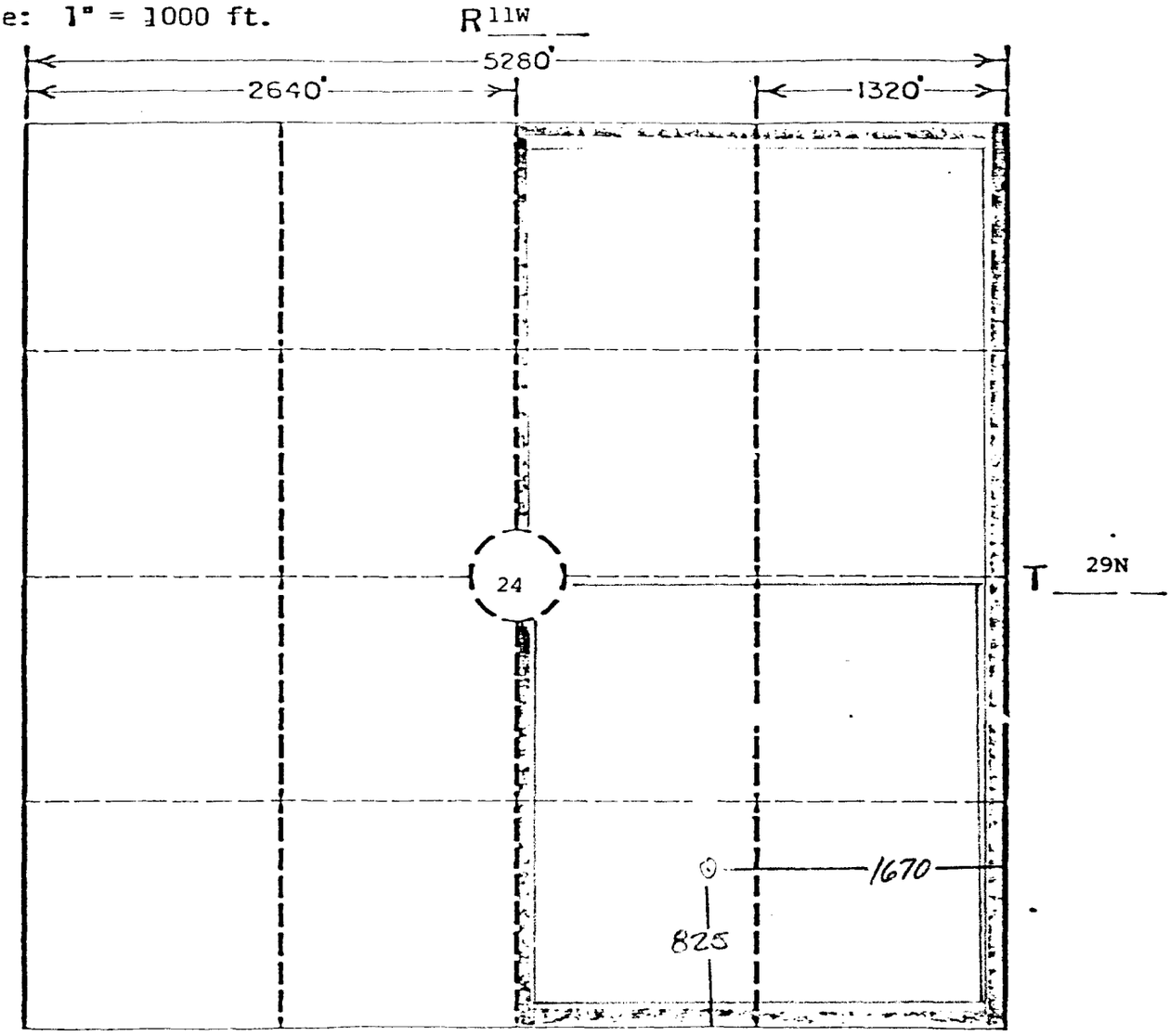
Lease No.: Federal MV 320 State NM 481 482 483 484 530 Fee

Spacing Unit Chacra 160 Acres: Description Mesaverde: E/2 Chacra: SE/4

Location meets State rules Yes Field Rules Yes

Deepest Objective Mesaverde Est. TD 4500 Est. G.L. Elev 5450

Plat Scale: 1" = 1000 ft.



Preferred direction for relocation within legal boundaries shown SE

If relocation of more than 0 feet is necessary, please contact Carol Peavey

in the G.E. Section.

Prepared by Doug Brandon Approved by Original Signed By: R. H. CASTLE Date October 24, 1979

cc: Well File
Land
Properties
Administrative
Drilling

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-107
Revised 10-1-78

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	BRUCE SULLIVAN COM B	1

Unit Letter	Section	Township	Range	County
D	25	29N	11W	San Juan

Actual Footage Location of Well:
790 feet from the North line and 790 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5457			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 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 necessary.) _____

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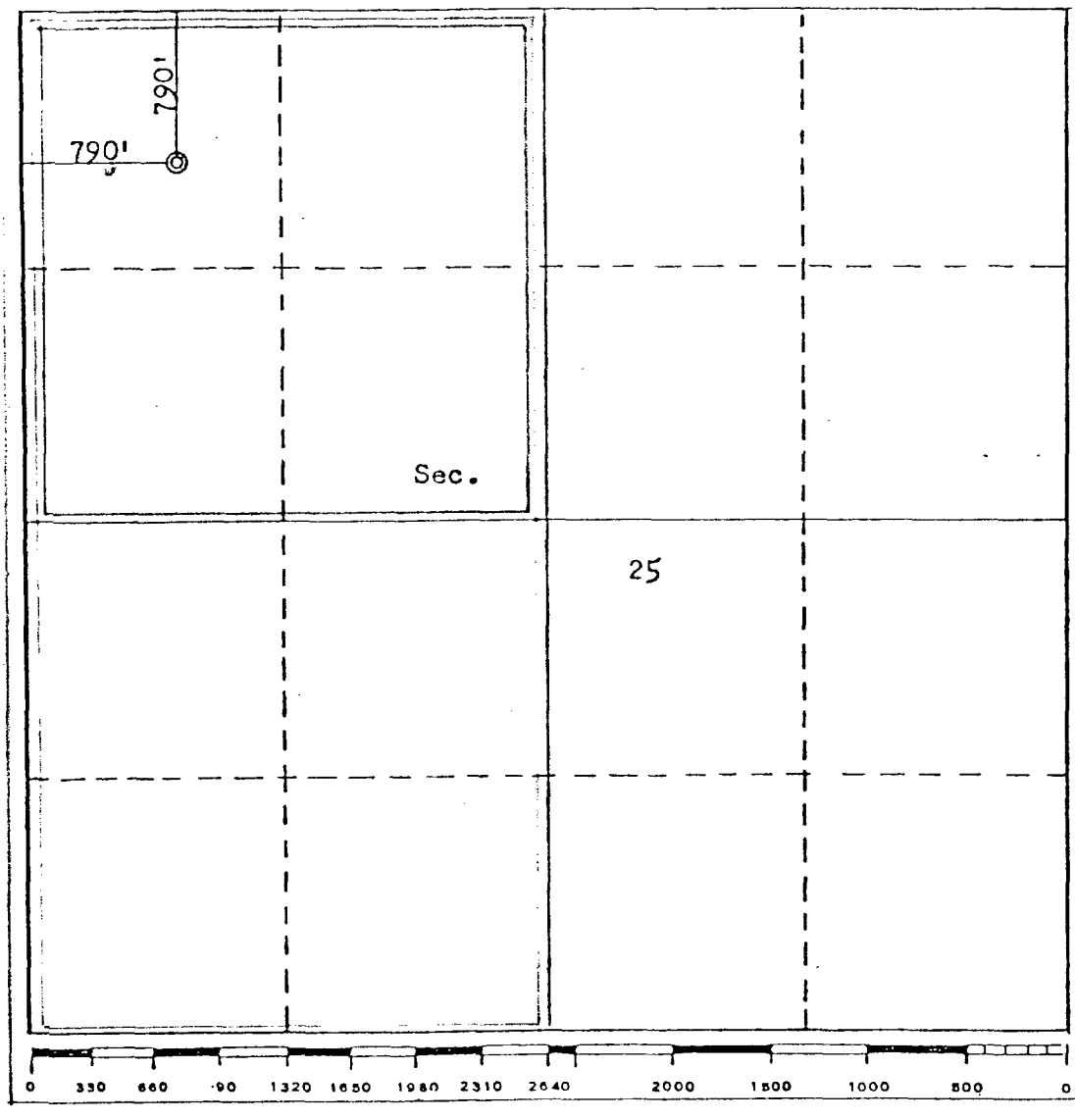

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

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.

Date Surveyed
November 26, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED LAND SURVEYOR FRED B. KERR, JR. 3950

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	SULLIVAN GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
M	25	29N	11W	San Juan

Actual Footage Location of Well:
990 feet from the South line and 990 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5583			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).

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If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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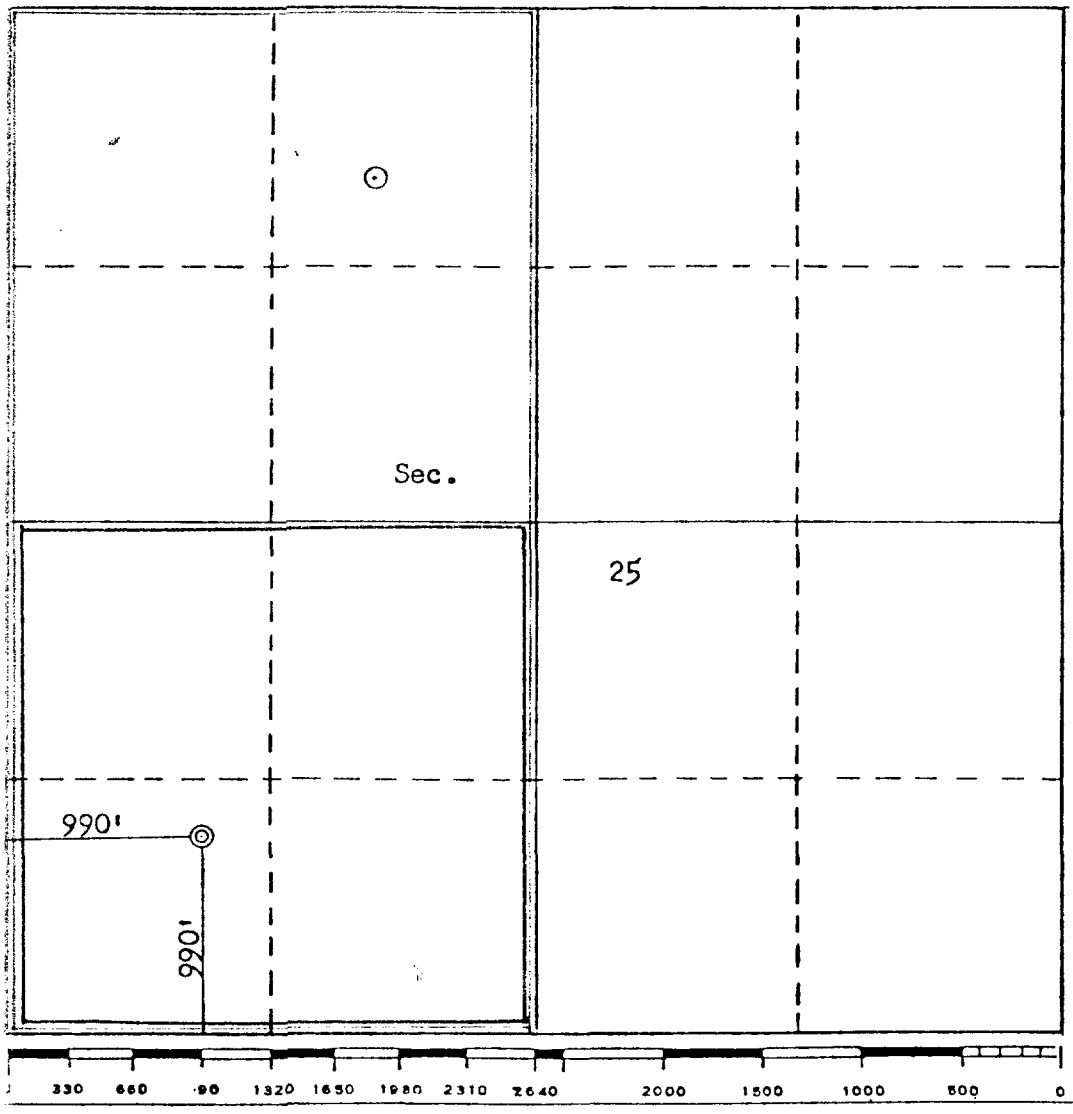

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

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.

Date Surveyed
September 1, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

FRED B. KERR, JR.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	EATON COM "B"	1

Unit Letter	Section	Township	Range	County
P	25	29N	11W	San Juan

Actual Footage Location of Well:
1040 feet from the South line and 790 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5562			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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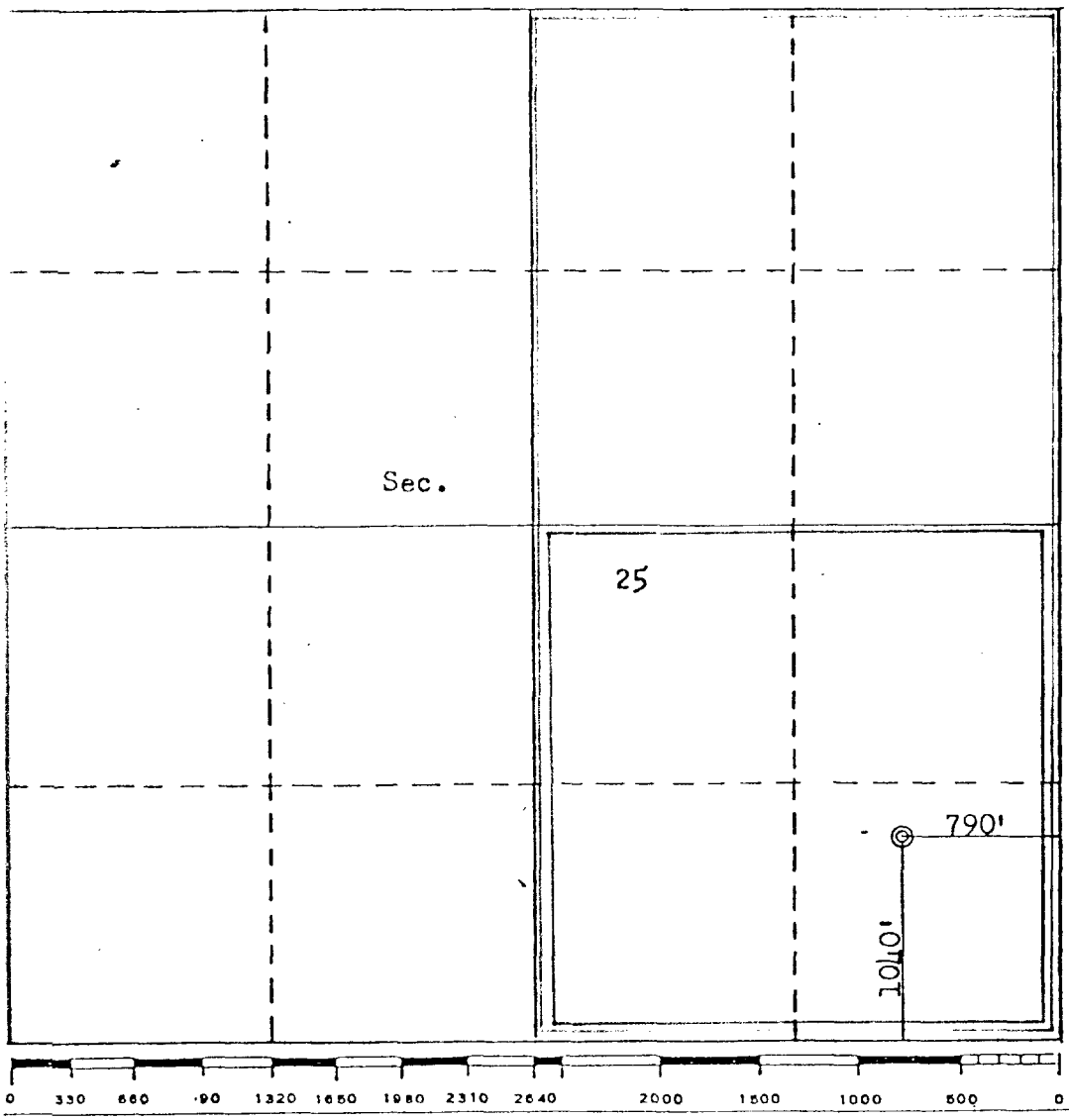

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Name

Position

Company

Date

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.

Date Surveyed
November 20, 1979

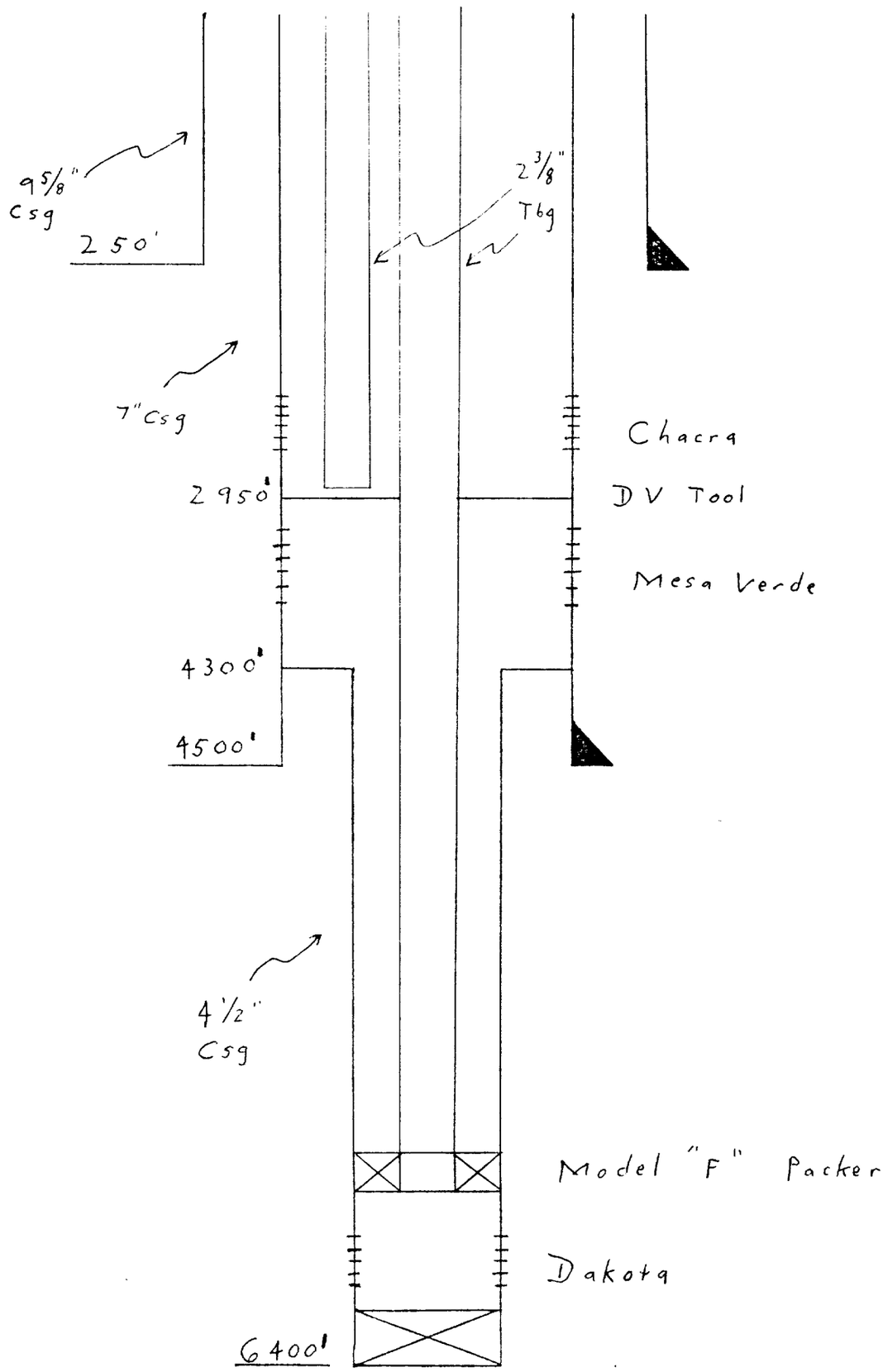
Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

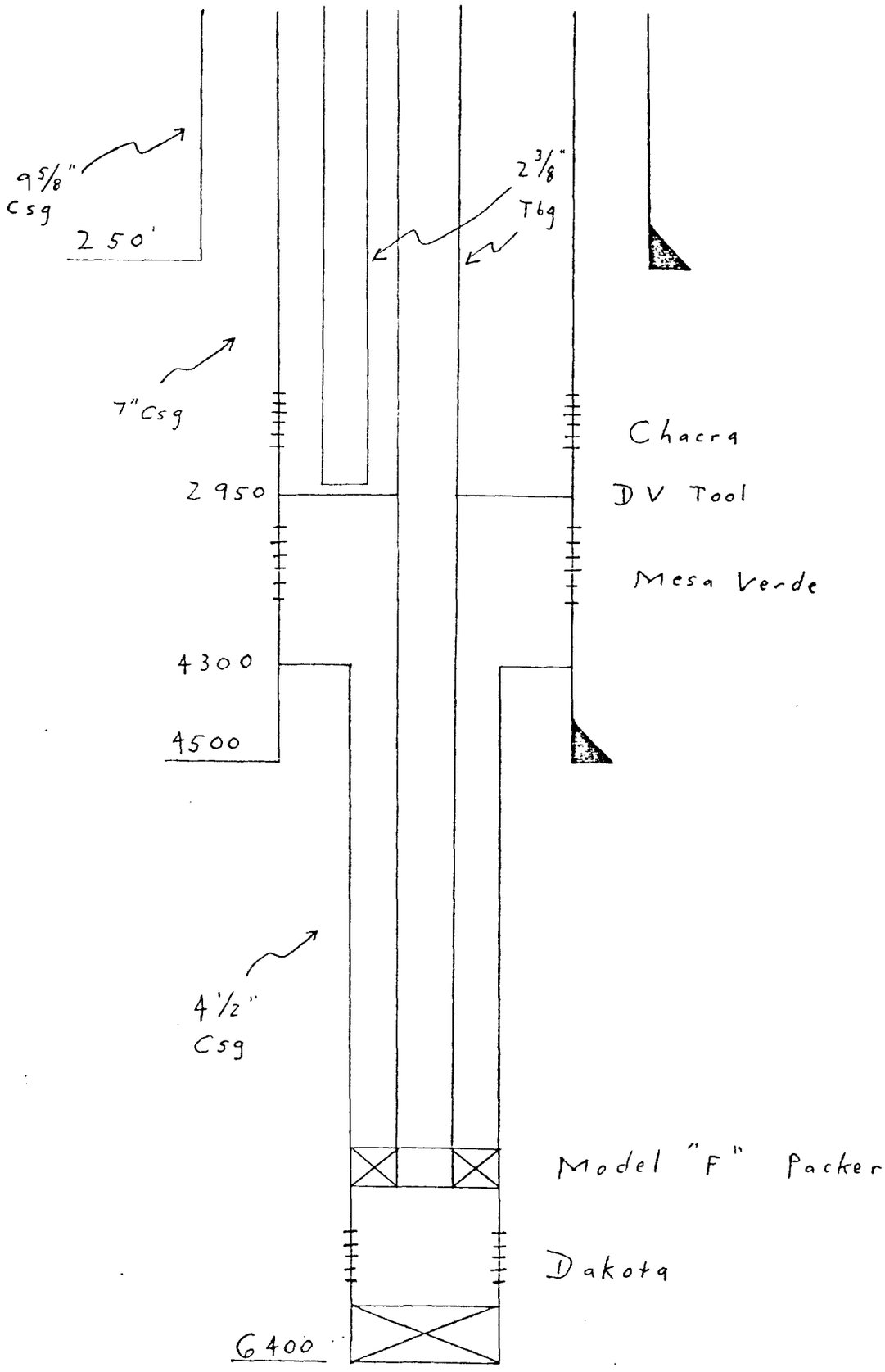
Certificate No.
3950

FRED B. KERR, JR.

TENNECO OIL COMPANY
BLOOMFIELD AREA
R10+11W, T29N
SAN JUAN COUNTY, NEW MEXICO
DAKOTA DUAL WITH MESA VERDE-CHACRA COMINGLE



TENNECO OIL COMPANY
BLOOMFIELD AREA
R10+11W, T29N
SAN JUAN COUNTY, NEW MEXICO
DAKOTA DUAL WITH MESA VERDE-CHACRA COMINGLED



STATE OF NEW MEXICO

DEPARTMENT OF ENERGY AND MINERALS

OIL CONSERVATION DIVISION

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

Case 6847

APPLICATION

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:

1. 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.

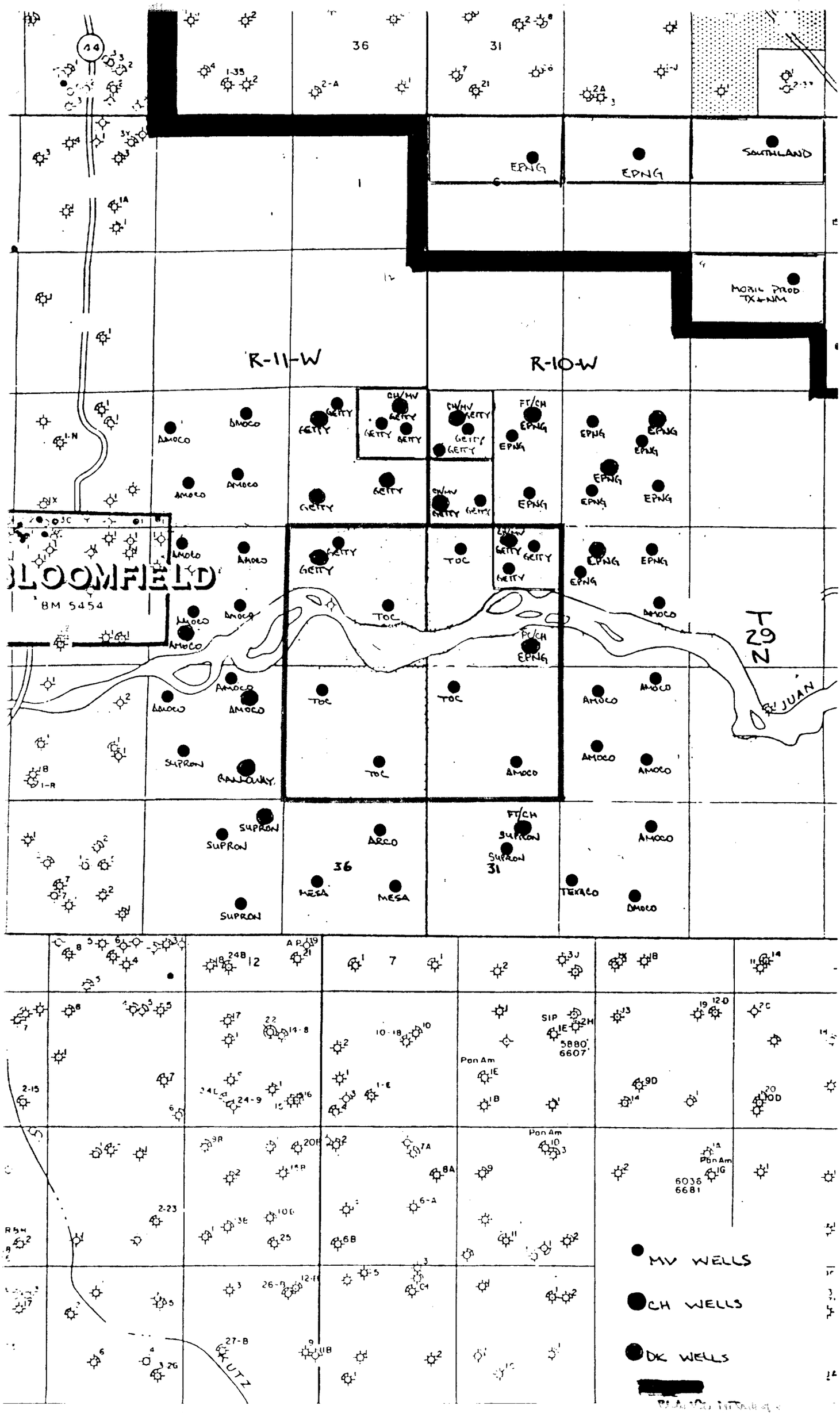
4. Applicant proposes to complete each well as shown on the wellbore schematic attached hereto and incorporated by reference.

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.

TENNECO OIL COMPANY

By _____
W. Thomas Kellahin
KELLAHIN & KELLAHIN
P. O. Box 1769
Santa Fe, New Mexico 87501
ATTORNEYS FOR APPLICANT


R-11-W
R-10-W
T 29 N
BLOOMFIELD
BM 5454
SOUTHLAND
MOBIL PROD TX & NM
EPNG
AMOCO
GETTY
TOC
SUPRON
RANDWAY
ARCO
MESA
TEXACO
FT/CH
CH/MV
SAN JUAN
MV WELLS
CH WELLS
DK WELLS

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	BUNCE COM	1

Unit Letter	Section	Township	Range	County
C	19	29N	10W	San Juan

Actual Footage Location of Well: 990 feet from the North line and 1650 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5521			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?

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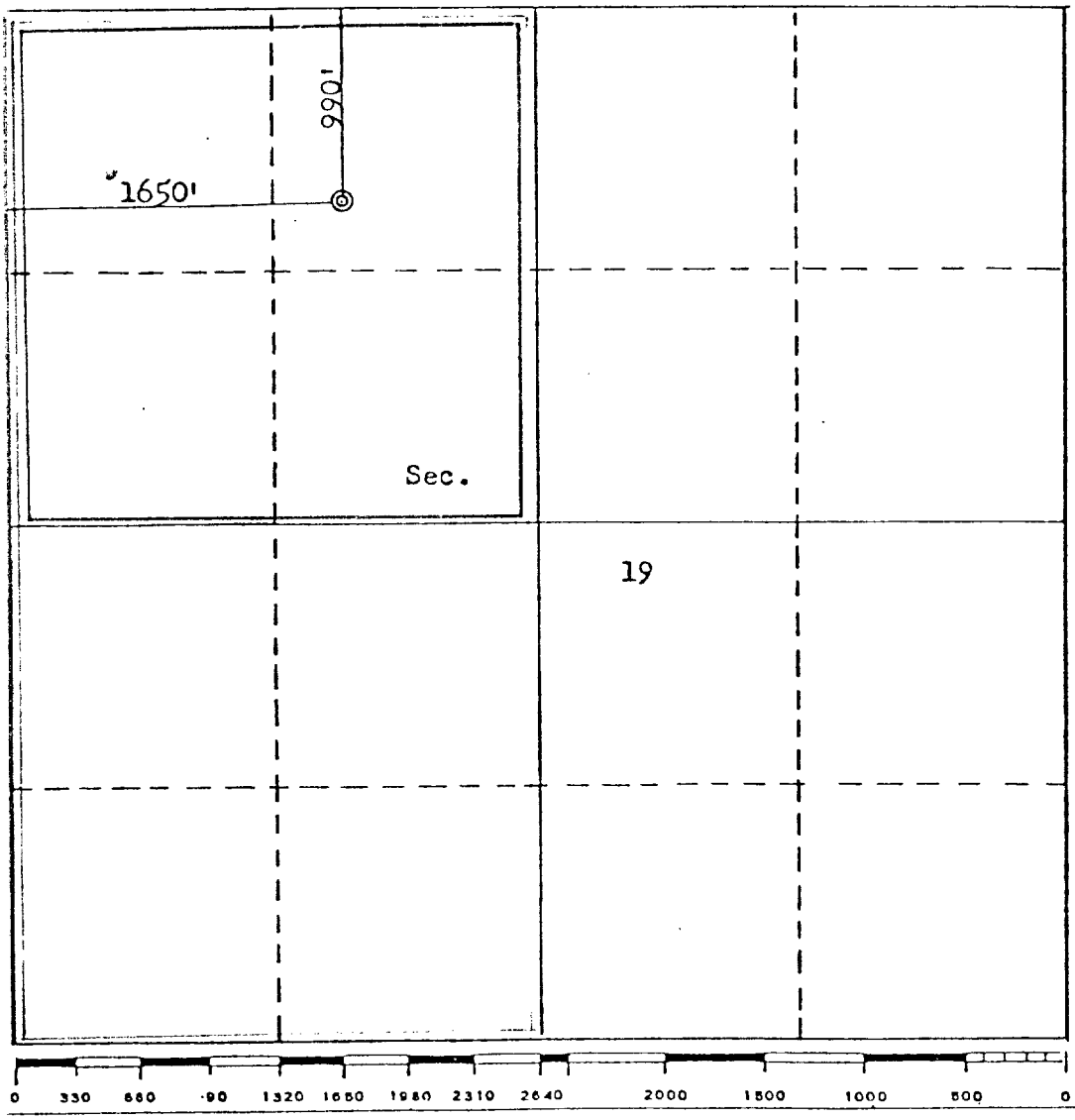

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

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.

Date Surveyed
November 26, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

FRED B. KERR, JR.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
TENNECO OIL COMPANY	ELVIN J. PAYNE GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
N	19	29N	10W	San Juan

Actual Footage Location of Well: 530 feet from the South line and 2080 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5476			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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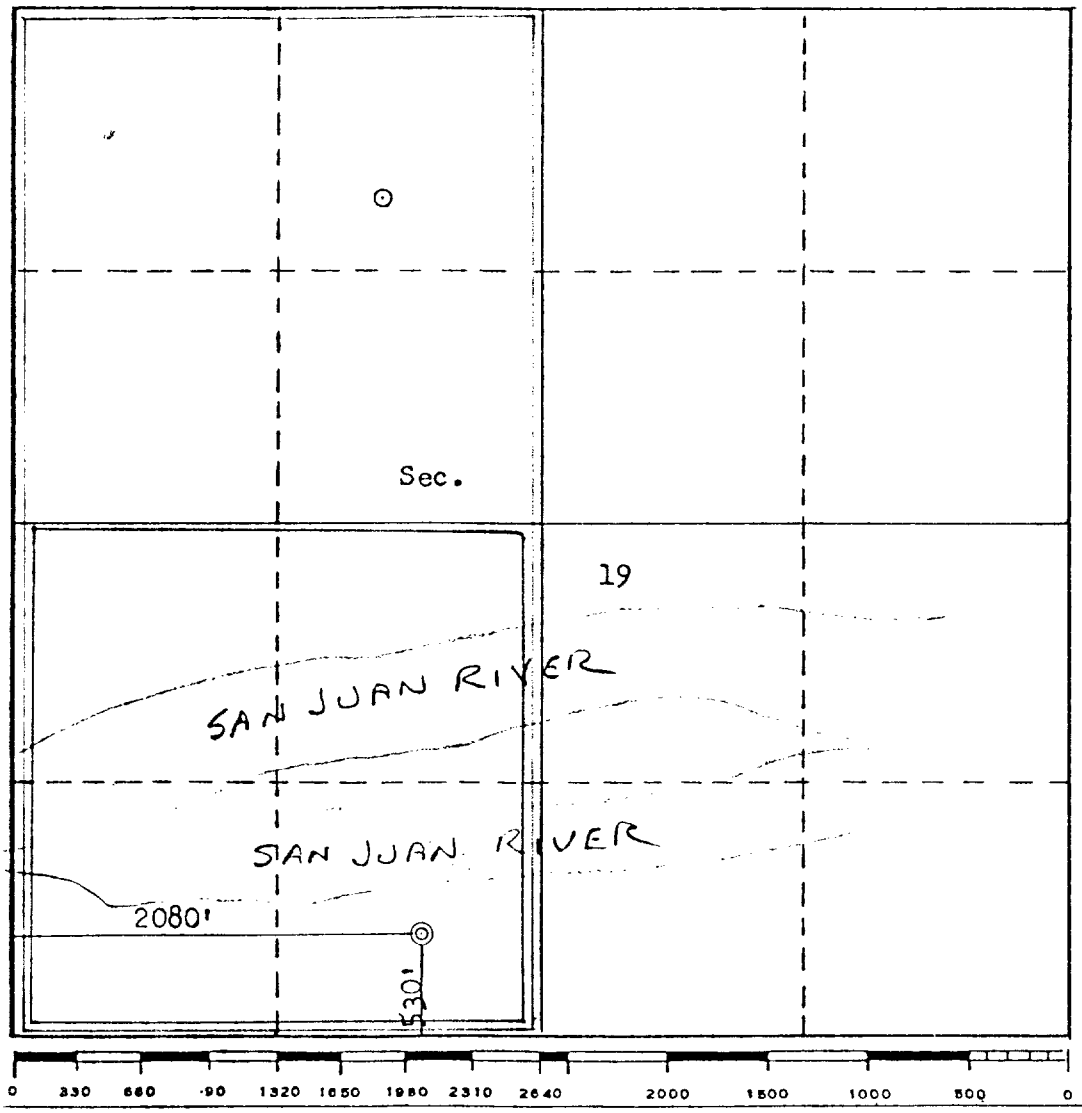

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Name

Position

Company

Date

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.

Date Surveyed
September 1, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
FRED B. KERR, JR.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	SULLIVAN FRAME GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
A	30	29N	10W	San Juan

Actual Footage Location of Well:
990 feet from the North line and 790 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5502	Dakota	Basin Dakota	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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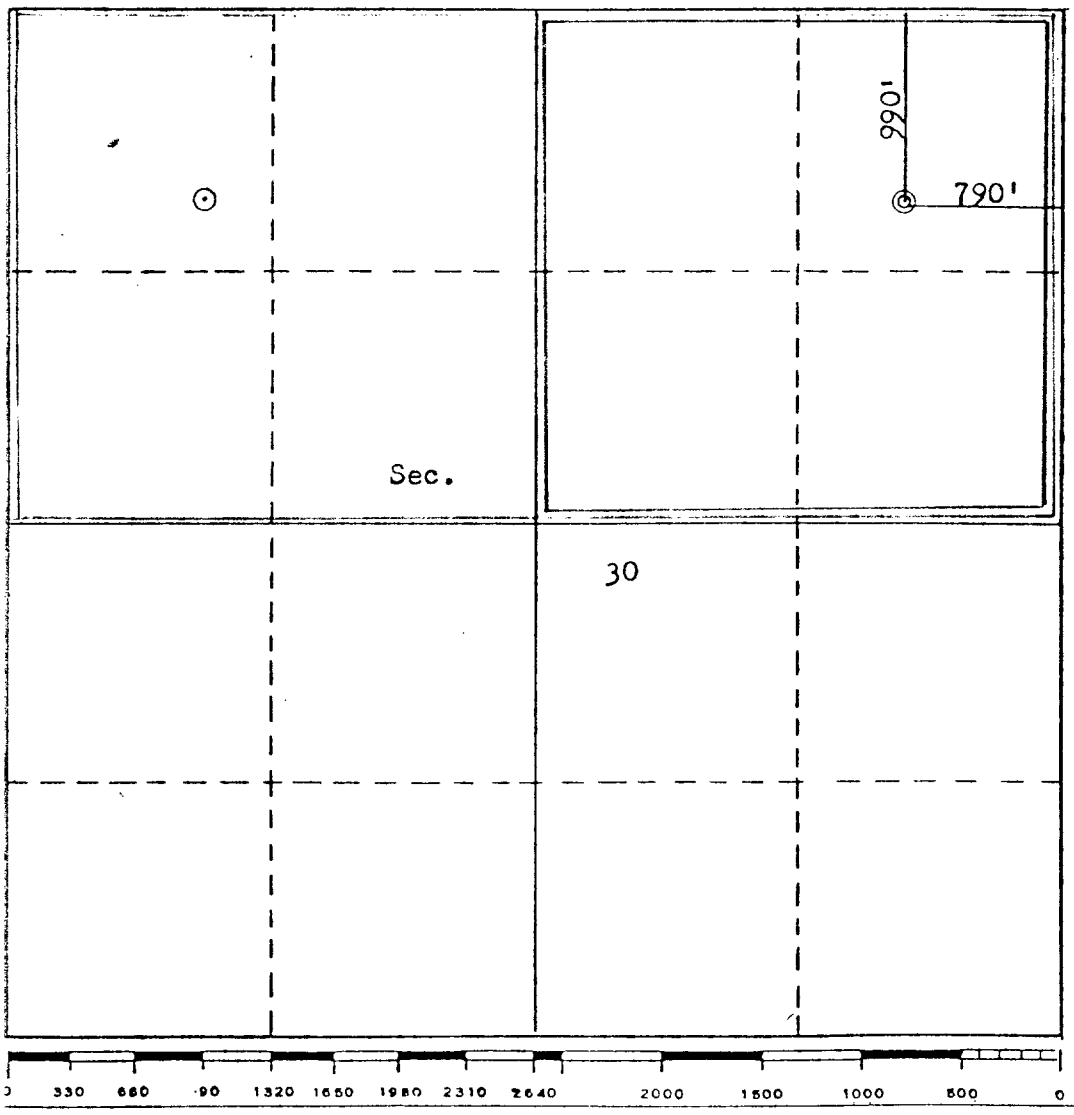

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Name

Position

Company

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Date Surveyed
September 3, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED LAND SURVEYOR
STATE OF NEW MEXICO
2
3950
FRED B. KERR, JR.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-107
Revised 10-1-78

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	SULLIVAN FRAME COM "B"	1

Unit Letter	Section	Township	Range	County
D	30	29N	10W	San Juan

Actual Footage Location of Well:

1100 feet from the North line and 800 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5466			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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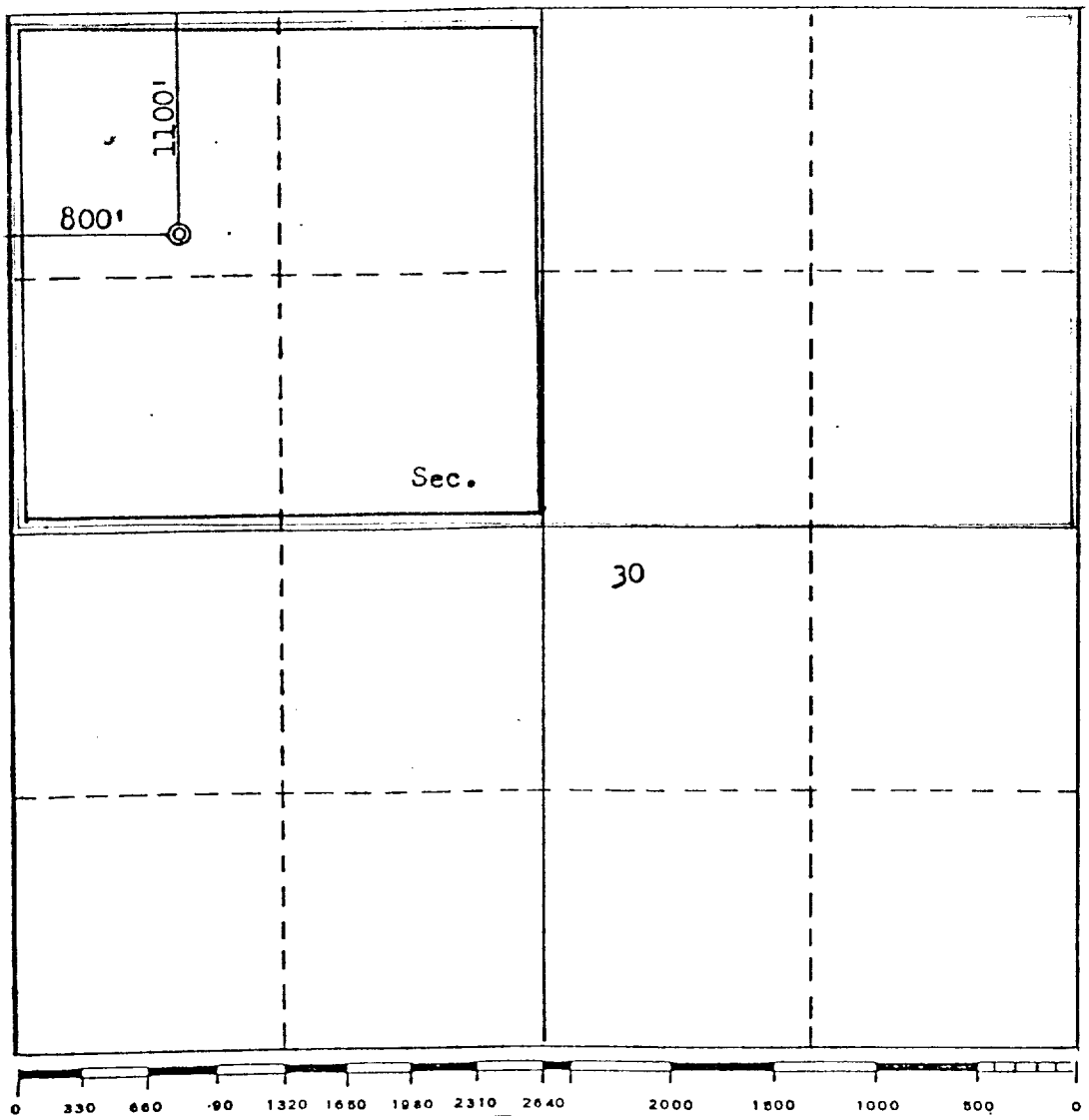

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Name

Position

Company

Date

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Date Surveyed
November 27, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED LAND SURVEYOR
No. 3950
FRED B. KERR, JR.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
TENNECO OIL COMPANY	VALDEZ GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
G	24	29N	11W	San Juan

Actual Footage Location of Well: 1650 feet from the North line and 1650 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5486	Dakota	Basin Dakota	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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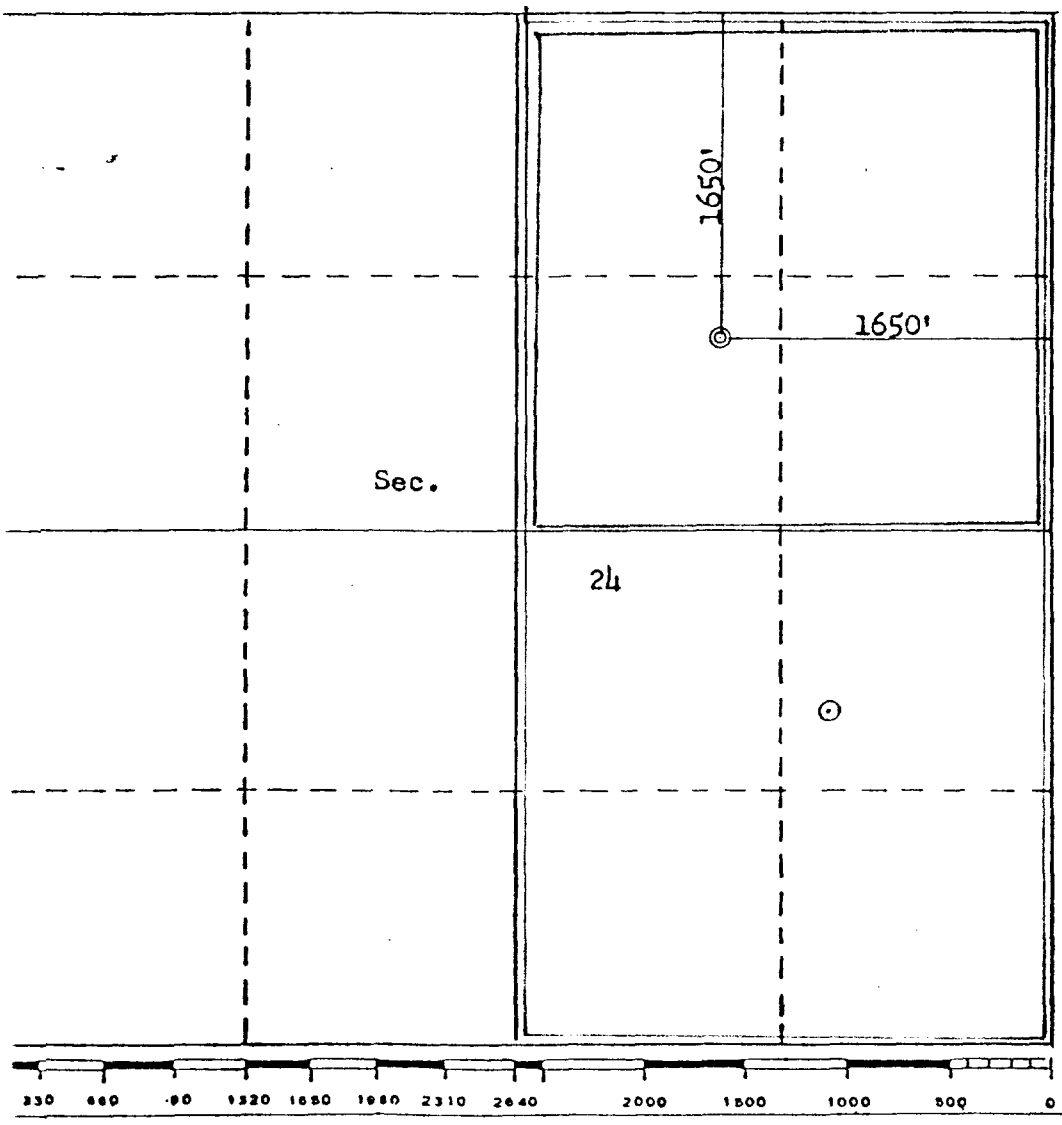

CERTIFICATION

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Name

Position

Company

Date

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.

Date Surveyed
February 1, 1980

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

FRED B. KERR, JR.

Certificate No.
3950

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	MARQUIS G. EATON GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
A	25	29N	11W	San Juan

Actual Footage Location of Well:
990 feet from the North line and 990 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5457	Dakota	Basin Dakota	Acre

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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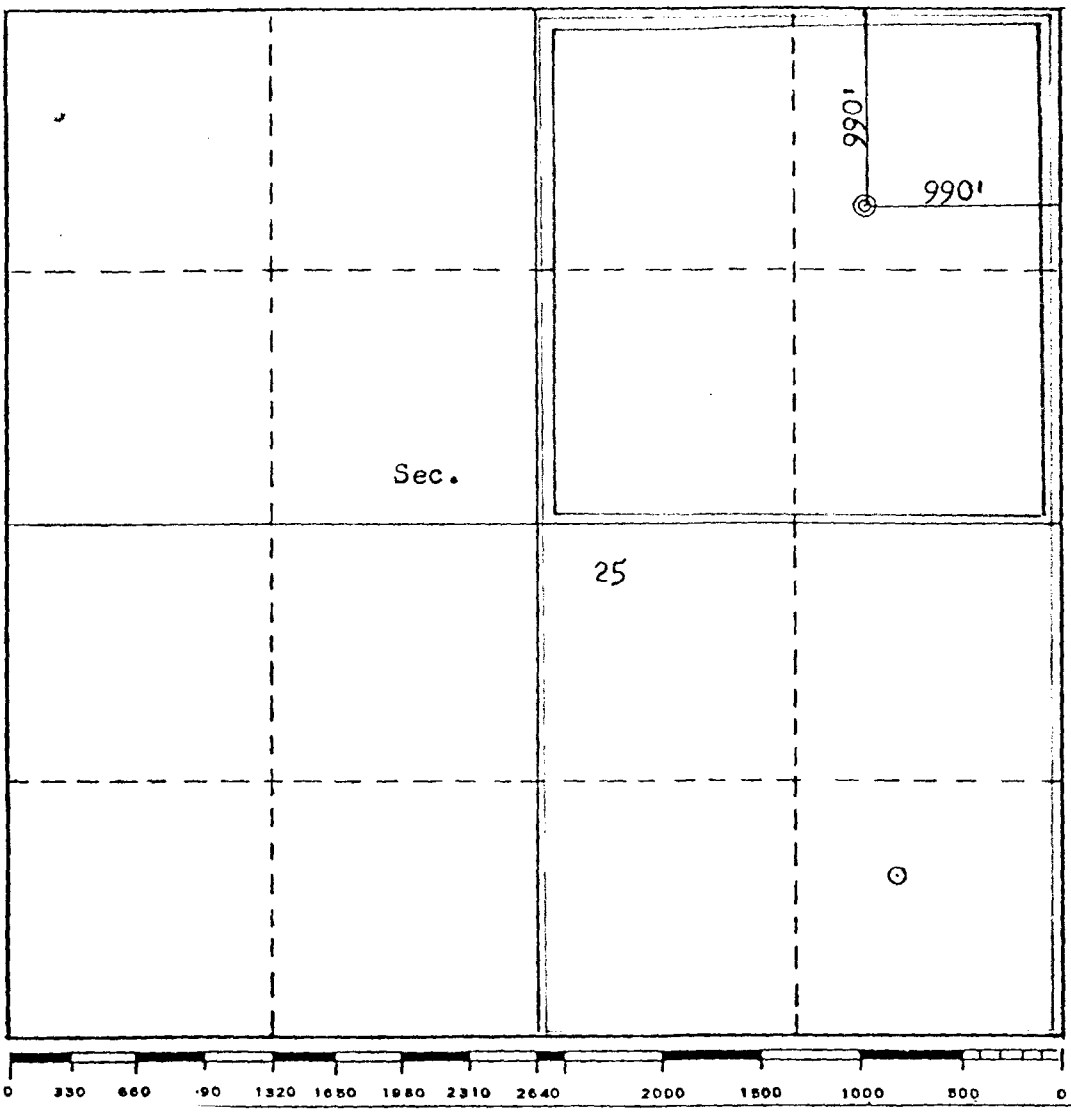


CERTIFICATION

I hereby certify that the information co tained herein is true and complete to t best of my knowledge and belief.

Name

Position

Company

Date

I hereby certify that the well loca shown on this plat was plotted from f notes of actual surveys made by m under my supervision, and that the s is true and correct to the best of knowledge and belief.

REGISTERED LAND SU STAT OF KERR JR.

Date Surveyed
September 14, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

TENNECO OIL
Penthouse
720 South Colorado Boulevard
Denver, Colorado 80222

WELL LOCATION PLAT AND DESCRIPTION

Well Name VALDEZ COM B-1

Location: ~~1850~~ 825 FSL ~~1850~~ 1670 FEL Section 24, T 29N, R 11W

1/4-1/4-1/4 Section SE NW SE County San Juan State New Mexico

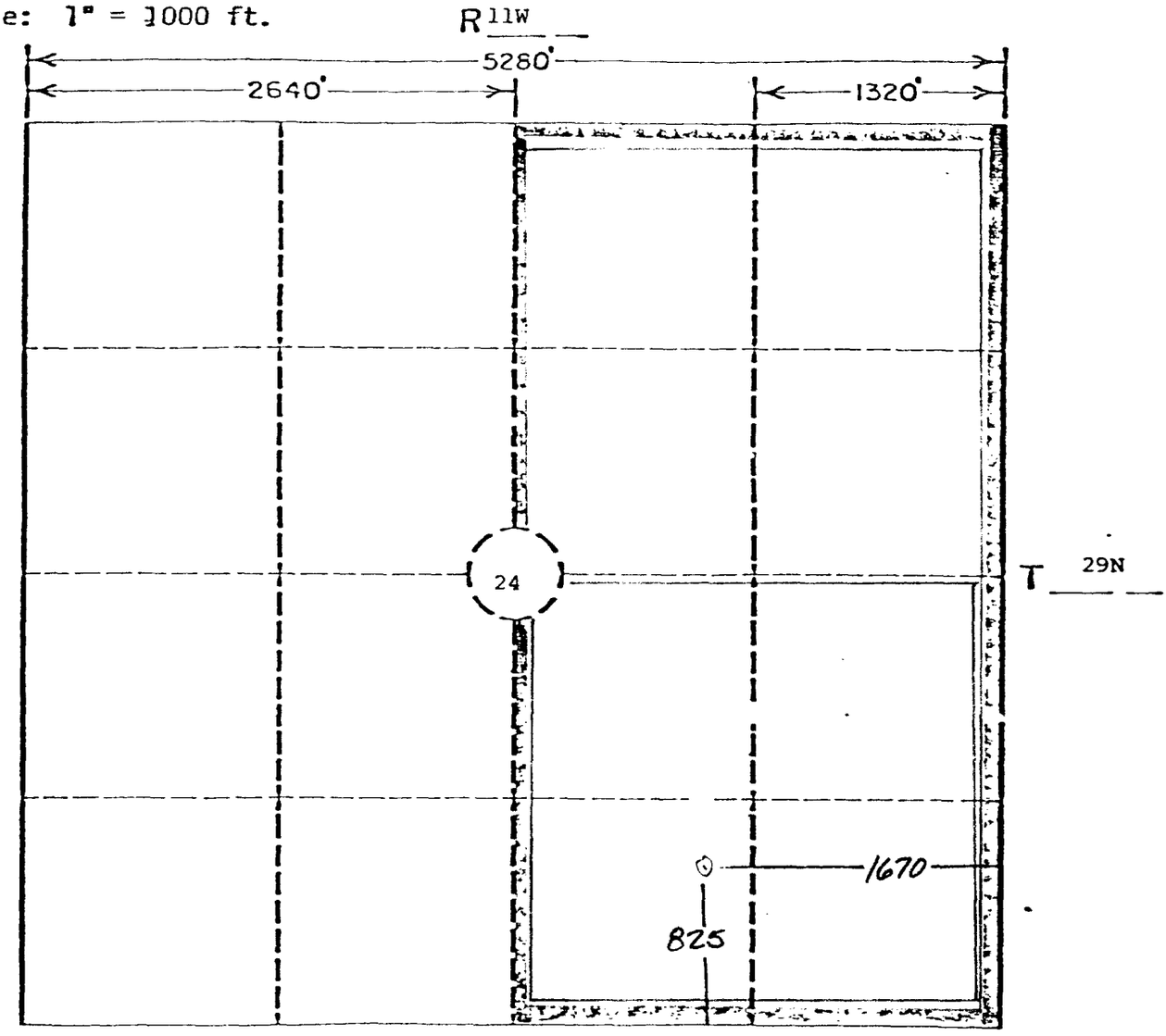
Lease No.: Federal MV 320 State NM 481 482 483 484 530 Fee

Spacing Unit Chacra 160 Acres: Description Mesaverde: E/2 Chacra: SE/4

Location meets State rules Yes Field Rules Yes

Deepest Objective Mesaverde Est. TD 4500 Est. G.L. Elev 5450

Plat Scale: 1" = 1000 ft.



Preferred direction for relocation within legal boundaries shown SE

If relocation of more than 0 feet is necessary, please contact Carol Peavey

in the G.E. Section.

Prepared by Doug Brandon Approved by Original Signed By: R. H. CASTLE Date October 24, 1979

cc: Well File
Land
Properties
Administrative
Drilling

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-107
Revised 10-1-78

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	BRUCE SULLIVAN COM B	1

Unit Letter	Section	Township	Range	County
D	25	29N	11W	San Juan

Actual Footage Location of Well:
790 feet from the North line and 790 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5457			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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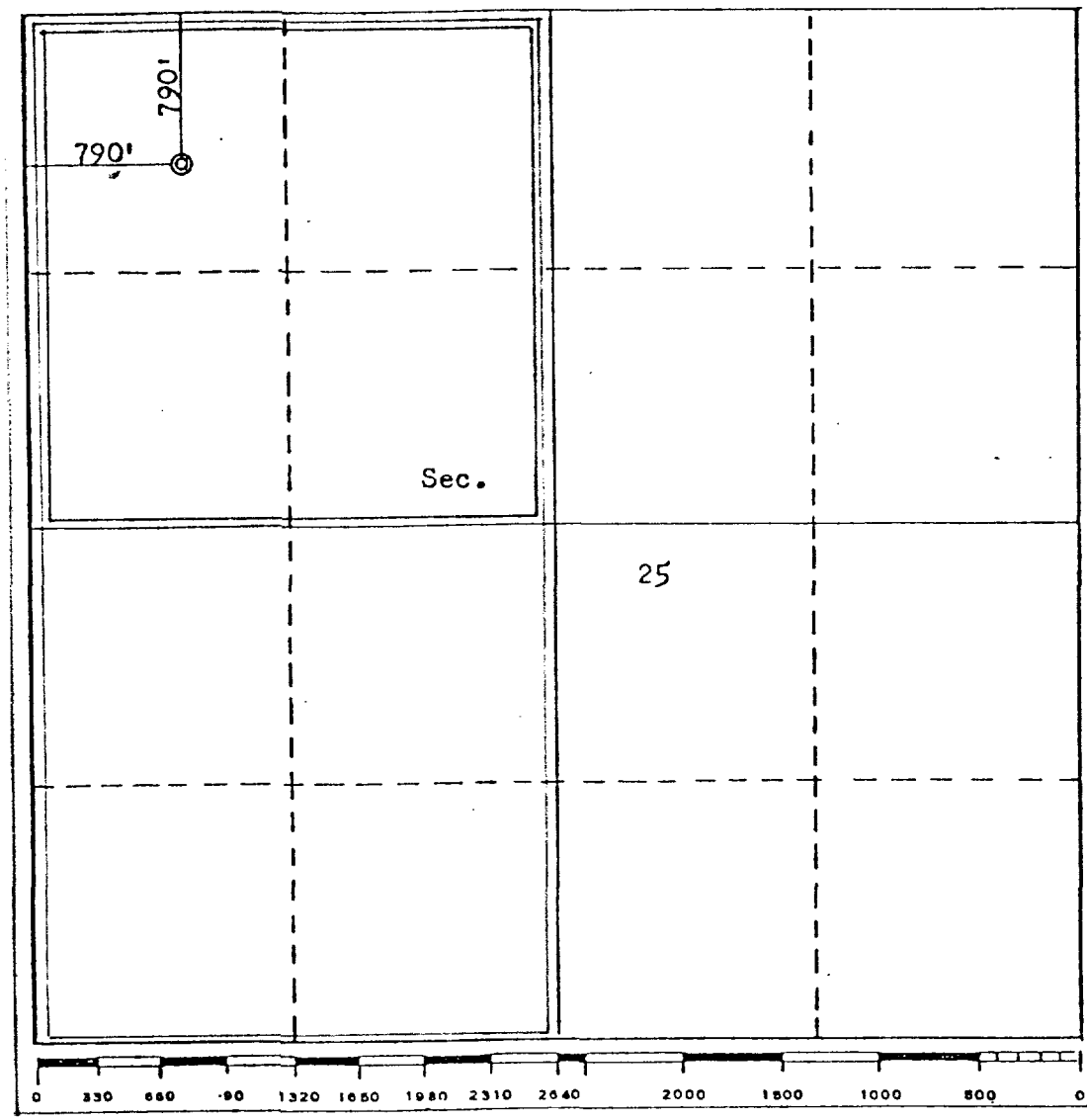

CERTIFICATION

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Name

Position

Company

Date

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Date Surveyed
November 20, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

REGISTERED LAND SURVEYOR
FRED B. KERR, JR.
3950

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY 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 outer boundaries of the Section.

Operator	Lease	Well No.
TENNECO OIL COMPANY	SULLIVAN GAS UNIT "A"	1-E

Unit Letter	Section	Township	Range	County
M	25	29N	11W	San Juan

Actual Footage Location of Well:
990 feet from the South line and 990 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5583			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

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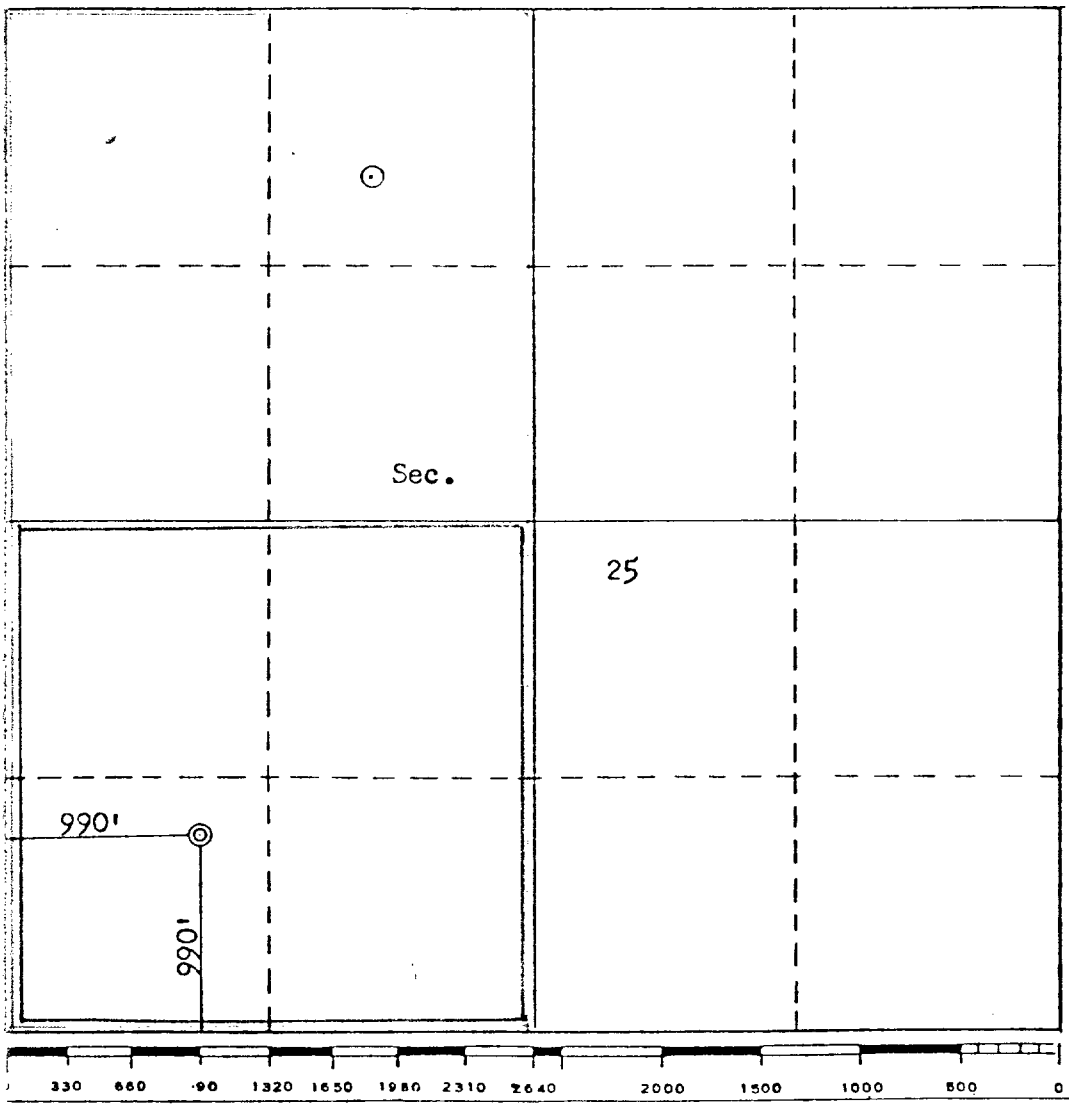
☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if 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.

Name

Position

Company

Date

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.

Date Surveyed
September 1, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

STATE OF NEW MEXICO REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR FRED B. KERR, JR.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

Form C-102
Revised 10-1-78

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

Operator	Lease	Well No.
TENNECO OIL COMPANY	EATON COM "B"	1

Unit Letter	Section	Township	Range	County
P	25	29N	11W	San Juan

Actual Footage Location of Well: 1040 feet from the South line and 790 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5562			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

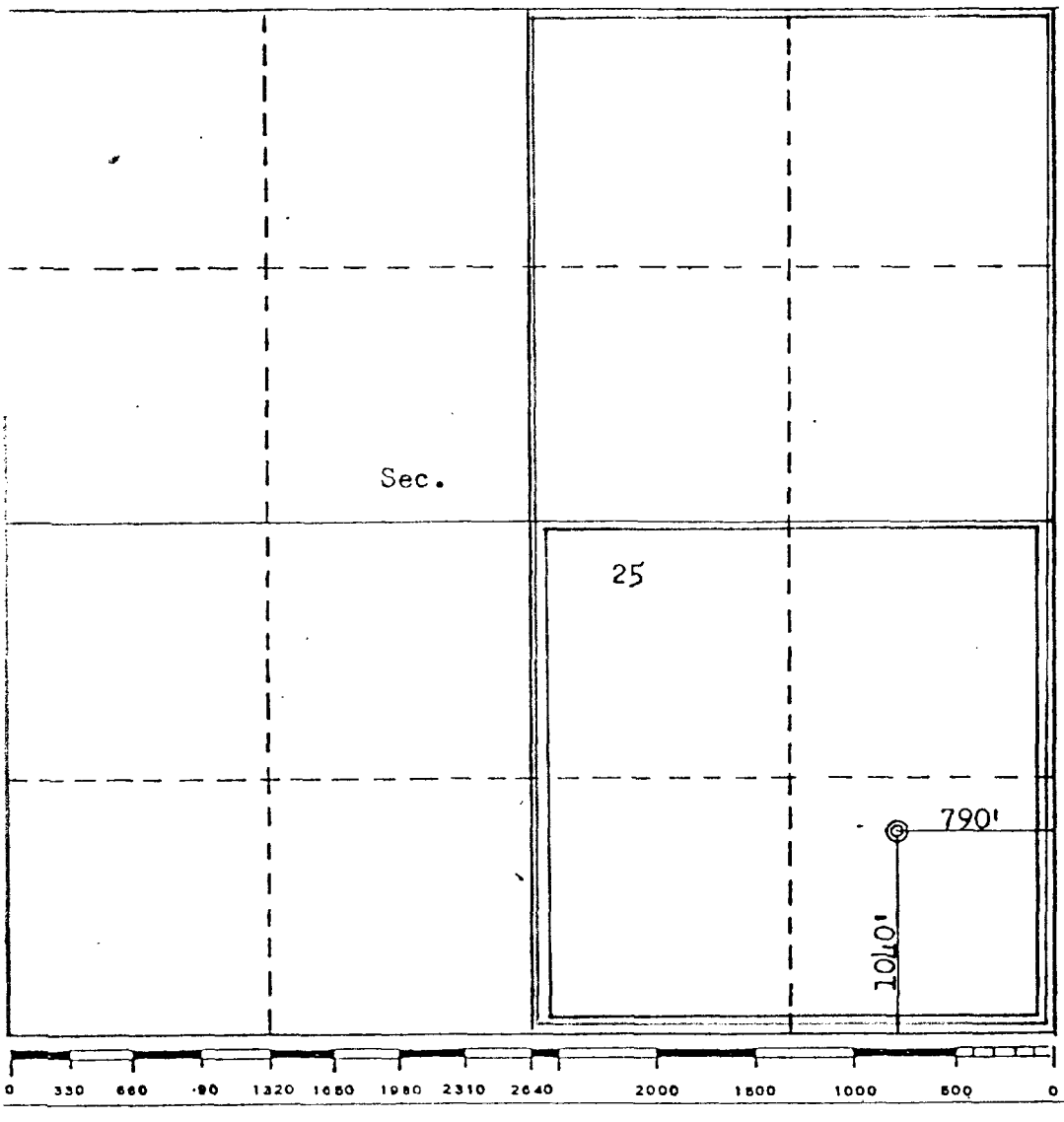
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 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 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.

Name

Position

Company

Date

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.

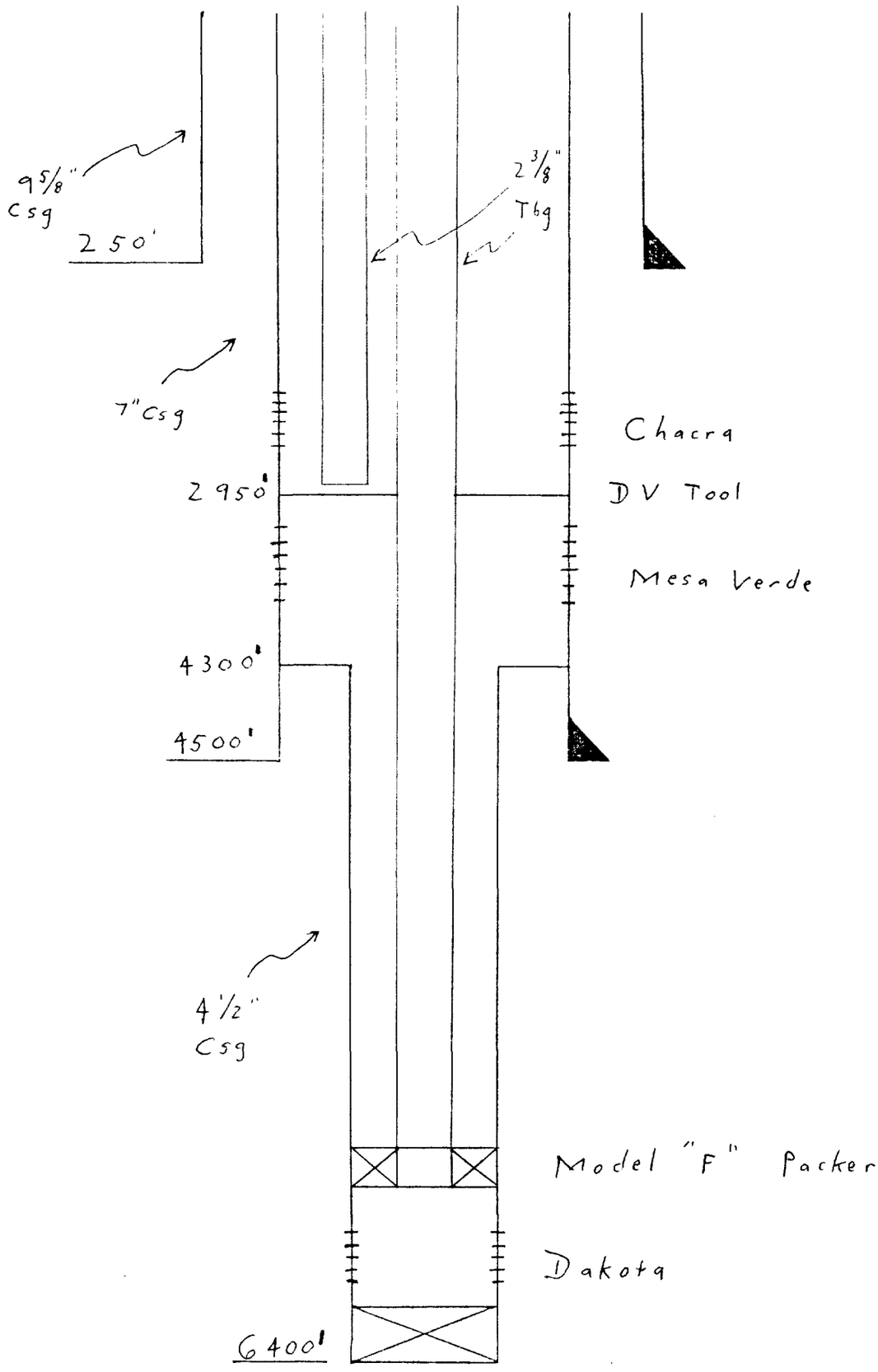
Date Surveyed
November 26, 1979

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

FRED B. KERR, JR.

TENNECO OIL COMPANY
BLOOMFIELD AREA
R10+11W, T29N
SAN JUAN COUNTY, NEW MEXICO
DAKOTA DUAL WITH MESA VERDE-CHACRA COMINGLE



TENNECO OIL COMPANY
BLOOMFIELD AREA
R10&11W, T29N
SAN JUAN COUNTY, NEW MEXICO
DAKOTA DUAL WITH MESA VERDE-CHACRA COMINGLED