

Tenneco Oil Company

A Tenneco Company

Western Rocky Mountain Division

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



Delivery Address:
6162 South Willow Drive
Englewood, Colorado

October 2, 1984

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

Attention: Gilbert Quintana

RE: Florance 20
Sec. 24, T30N, R9W
San Juan County, NM

Dear Mr. Quintana:

We have enclosed all necessary data for administrative approval to commingle production in the referenced well.

Questions concerning this request can be directed to Mr. Mark Owen (303/740-4836).

Very truly yours,

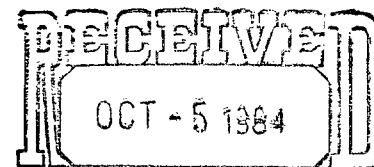
TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "Paul Doyle".

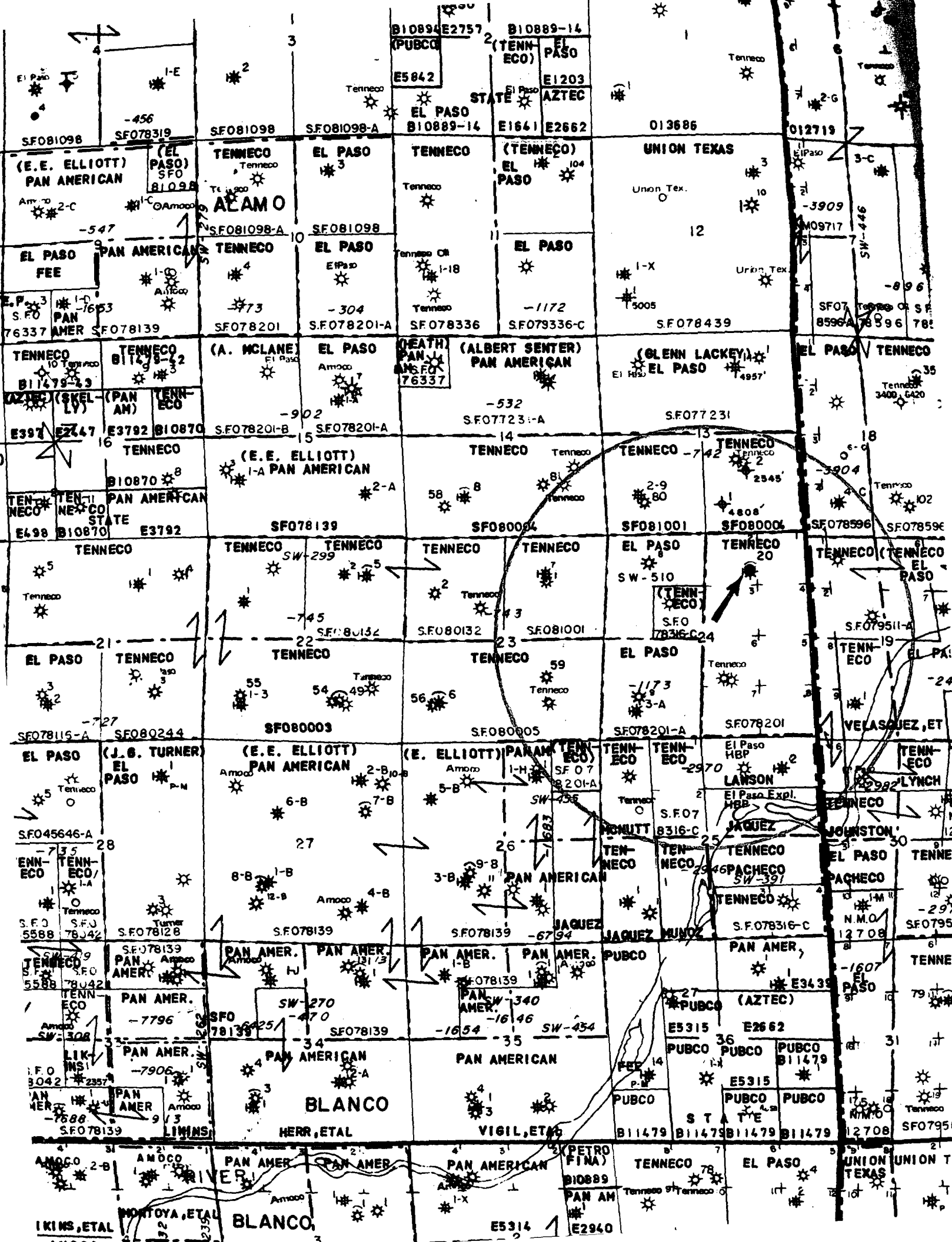
Paul Doyle
Division Production Engineer

SMc:srp
Enclosures

cc: J. Cook
F. Weiss



OIL CONSERVATION DIVISION
SANTA FE



Tenneco Oil Company

A Tenneco Company

Western Rocky Mountain Division

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



Delivery Address:
6162 South Willow Drive
Englewood, Colorado

October 2, 1984

El Paso Natural Gas
P. O. Box 4990
Farmington, New Mexico 87499

RE: Florance 20
Sec. 24, T30N, R9W
San Juan County, NM

Gentlemen:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: _____ Title: _____

Date: _____

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

The Florance #20 was completed as a Mesaverde-Dakota dual in July, 1965, with 4 1/2" casing and one string of 2 3/8" tubing. The Dakota produces up the tubing and the Mesaverde flows up the casing-tubing annulus. Because of the large flow area in the annulus, the Mesaverde is experiencing liquid loading problems which are restricting the production from that zone.

Enclosed are decline curves for both the Mesaverde and Dakota zones.

The bottom-hole pressure of the Dakota was measured with a pressure bomb and found to be 890 psig at 7000' after 8 days of shut-in. This Dakota pressure corrected to a datum of 5000' is 804 psig. A pressure bomb could not be run for the Mesaverde since this zone produces up the annulus. A dead weight surface pressure of 398 psig was recorded for the Mesaverde after 8 days of shut-in and the fluid level on the annulus was recorded at 4185'. The bottomhole pressure for the Mesaverde was then calculated to be 812 psig at a datum of 5000'. The requirement that the lower pressured zone have a pressure that is greater than 50% of the pressure of the higher pressured zone corrected to a common datum is; therefore, satisfied.

Compatibility tests were conducted using the produced Dakota water from this well and the Mesaverde water from several offsets to the Florance #20. The testing indicates that no scale or precipitate problems should result from the commingling of these two zones. In addition, the salinities of the two zones are similar enough that no formation damage should occur in either zone.

The intent of commingling these two zones is to increase the total production from the well. This will be accomplished by increasing the flow velocity by flowing both zones up the tubing. The cross-sectional area of the tubing is 3.13 square inches, as opposed to 11.27 square inches for the tubing and annulus. Even if no production increase were realized, a 3.6 fold increase in average flow velocity would result from this commingling. This velocity increase will enable the well to unload produced fluids and will result in increased gas production from each zone. This greater production rate will increase the velocity in the tubing, yielding even more liquid lifting capacity.

Based upon the decline curves and reserve estimates for these zones, I recommend that the production be allocated on a strict percentage basis with 90% assigned to the Mesaverde and 10% assigned to the Dakota.

If you need any additional information, feel free to call me at (303) 740-4840.

A handwritten signature in cursive script, reading "Frank G. Weiss III".

Frank G. Weiss III
Senior Production Engineer

FLORANCE # 20

DETERMINATION OF ALLOCATION PERCENTAGES

The decline rates and reserve estimates for the Mesaverde are indicated below:

	<u>DECLINE PERCENTAGE</u>	<u>REMAINING RESERVES</u>
Mesaverde	12%	372 MM
Dakota	12%	42 MMCF

FGW/dw:3403

B & R SERVICE, INC.

P. O. Box 1048
Farmington, New Mexico 87499
(505) 325-2393

DAKOTA FORMATION

Company Tenneco Oil Co. Lease Florance Well 20
County San Juan State New Mexico Date 3-27-84
Shut-In 8 Days Zero Point G.L. Tbg. Pressure 712
Casing Pressure 382 Tbg. Depth _____ Casing Perf. _____
Max. Temp. _____ Fluid Level _____

<u>DEPTH</u>	<u>PSIG</u>	<u>GRADIENT</u>
0	712	----
1000	731	.019
2000	750	.019
3000	769	.019
4000	787	.018
5000	804	.017
6000	821	.017
7000	890	.069

MESAVERDE

8 Day Shut In Pressure Test

Dead Weight Surface Pressure 398 psi

Annulus Fluid Level 4185'

Well Name Florance 20 Unit B Sec 24 T 30N R 9W
 TD 7124 PBTD 7097 County San Juan State N.M. WI .500 RI .3375
 Drlg Cost _____ Re-Comp Cost \$67,400 Re-Comp Date 7-8-65 Trn On Date 1954(MV)
 MV(1954) IP BOPD 8318 MCFD _____ BWPD 24 Hours 1060 SIWHP
 Dakota IP BOPD 1065 MCFD _____ BWPD 4 Hours 2120 SIWHP
 - TUBULAR RECORD -

Size	Weight	Grade	Depth	Cement	Top Cement	Hole Size	Remarks
10-3/4"	33#	H-40	216	200 sx	Surf	13-3/4	
7-5/8	26#	J-55	4182	200 sx	3300'	9-7/8	
4-1/2"	10.5&11.6	J-55	7124	730 sx	---	6-1/4	DV @ 3789'
2-3/8"	4.7#	J-55	6710				Dak strg. F/N in tubing.

Packer? Yes X No _____ Type _____ Model F Depth 6710'
 Anchor? Yes _____ No _____ Type _____ Depth _____
 Pump Type Flug gas (MV up annulus) Note: Old Model "D" @ 6795'

- COMPLETION & WORKOVER RECORD -

Zone #1 - Formation Dakota Date 6-12-65 Perfs w/JSPF 2 HPF: 6950, 56, 80-82, 7008-14, 67-73

Press Tstd 4000 PSI, Spot Acid - Type 250 Gallons 7-1/2 MCA BDISIP
 Acid: Vol. & Type 2500 g 7-1/2% MCA, # balls 24, Rate 25 BPM, Press. 2800 PSI
 Frac: Fluid Volume & Type 69,000 gal wtr _____, Sand: 18,500 # 20-40 Mesh
 Frac Rate 20 BPM Frac Pressure 4000 PSI ISIP _____ PSI
 Comments 2nd Dakota zone: perf'd 6958-6868 4 HPF, 500 gal 7-1/2% spearheaded,
frac'd w/69,000 gal wtr/57,500 # 20/40 # 35 BPM & 3800 psi. ISIP = 2400 psi

Zone # 2 - Formation MV-PLO Date 6-15-65 Perfs w/JSPF 3 HPF: 4753-54, 67-68, 78-79, 84-85, 90-91, 95-96, 4810-11, 20-21, 50-51, 61-62, 66-67, 82-83, 87-88, 98-99.

Press Tstd 4000 PSI, Spot Acid - Type 250 Gallons 7-1/2% MCA BDISIP
 Acid: Vol. & Type 500 gals 7-1/2%, # balls _____, Rate _____ BPM, Press. 1500 PSI
50,000 10-20
 Frac: Fluid Volume & Type 89,000 gal 3-1/2# gel, Sand: 20,000 # 8-12 Mesh
 Frac Rate 40 BPM Frac Pressure 32000 PSI ISIP -0- PSI
 Comments Spearheaded acid. Dropped 10 balls during frac job.

Zone # 3 - Formation MV-CH Date 6-15-65 Perfs w/JSPF 2 HPF: 4200-01, 07-08, 13-14, 97-98, 4302-03, 06-07, 16-17, 26-27, 30-31, 34-35, 43-44, 47-48, 53-54, 59-60, 71-72, 4525-26, 32-33, 34-35, 45-46, 48-49, 76-77, 82-83

Press Tstd 4000 PSI, Spot Acid - Type 750 Gallons 7-1/2% BDISIP
 Acid: Vol. & Type 750 g 7-1/2%, # balls _____, Rate _____ BPM, Press. _____ PSI
60,000 10-20
 Frac: Fluid Volume & Type 80,000 g 3-1/2# gel, Sand: 20,000 # 8-12 Mesh
 Frac Rate 45 BPM Frac Pressure 3400 PSI ISIP -0- PSI
 Comments Spearheaded acid job, dropped 20 balls during frac job.

- CASING REPAIR RECORD -

Depth of Leak _____, # of squeezes required _____, # of sx used _____
 Cathodic Protection? Yes _____ No _____ Date Installed _____

Comments Location (footage) 990' FNL, 1650' FEL, 24, 730N, R9W
Well originally completed naturally in MV (open hole) in 1954.
Well was deepened & 4-1/2" casing run in 1965.

Prepared By: [Signature] Date: 2-2-84 Verified By: _____ Date: _____
PAE

Form C-116
Revised 10-1-78

Pool

Basin Dakota

Country

San Juan

Address
P.O. Box 3249 Englewood, CO 80155

TYPE OF
TEST - (X)

Scheduled ☐Completion ☐

Special KX

LEASE NAME

WELL
NO.

LOCATION

DATE OF TEST

STATUS	CHOKE SIZE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
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89	89
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95	95
96	96
97	97
98	98
99	99
100	100

TBC.
PRESS.

**DAILY
ALLOW
ABLE**

OF
TEST
HOURS

GRAV.	OIL	G/G
OIL	BBL'S	M.C.
68.0	100	100
70.0	90	90
72.0	80	80
74.0	70	70
76.0	60	60
78.0	50	50
80.0	40	40
82.0	30	30
84.0	20	20
86.0	10	10
88.0	0	0

GAS - OIL RATIO	CU.FT/BBU
1.00	1.00
1.05	1.05
1.10	1.10
1.15	1.15
1.20	1.20
1.25	1.25
1.30	1.30
1.35	1.35
1.40	1.40
1.45	1.45
1.50	1.50
1.55	1.55
1.60	1.60
1.65	1.65
1.70	1.70
1.75	1.75
1.80	1.80
1.85	1.85
1.90	1.90
1.95	1.95
2.00	2.00
2.05	2.05
2.10	2.10
2.15	2.15
2.20	2.20
2.25	2.25
2.30	2.30
2.35	2.35
2.40	2.40
2.45	2.45
2.50	2.50
2.55	2.55
2.60	2.60
2.65	2.65
2.70	2.70
2.75	2.75
2.80	2.80
2.85	2.85
2.90	2.90
2.95	2.95
3.00	3.00
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4.85	4.85
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4.95	4.95
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5.05	5.05
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5.80	5.80
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5.95	5.95
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6.05	6.05
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6.40	6.40
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6.50	6.50
6.55	6.55
6.60	6.60
6.65	6.65
6.70	6.70
6.75	6.75
6.80	6.80
6.85	6.85
6.90	6.90
6.95	6.95
7.00	7.00
7.05	7.05
7.10	7.10
7.15	7.15
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7.25	7.25
7.30	7.30
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7.45	7.45
7.50	7.50
7.55	7.55
7.60	7.60
7.65	7.65
7.70	7.70
7.75	7.75
7.80	7.80
7.85	7.85
7.90	7.90
7.95	7.95
8.00	8.00
8.05	8.05
8.10	8.10
8.15	8.15
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8.35	8.35
8.40	8.40
8.45	8.45

F1orance

20

B

24

301

M6

8/29/84

7

48/64

24

0

0

28

0

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 301 and appropriate pool rules.

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

Administrative Supervisor

(Title)

9-21-84

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-116
Revised 10-1-78

GAS - OIL RATIO TESTS

Operator Tenneco Oil Co.		Pool Mesaverde		County San Juan											
Address P.O. Box 3249 Englewood, CO 80155				TYPE OF TEST - (X)	Scheduled ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BB
		U	S	T	R						WATER BBL'S	GRAV. OIL BBL'S	GAS M.C.F.		
Florance	20	B	24	30N	9W	8/29/84	F 48/64			24	0	0	620	0	

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowances when authorized by the Division.

Gas volume will be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report testing pressure in lieu of tubing pressure for any well producing through casing.

Well operator and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 301 and applicable pool rules.

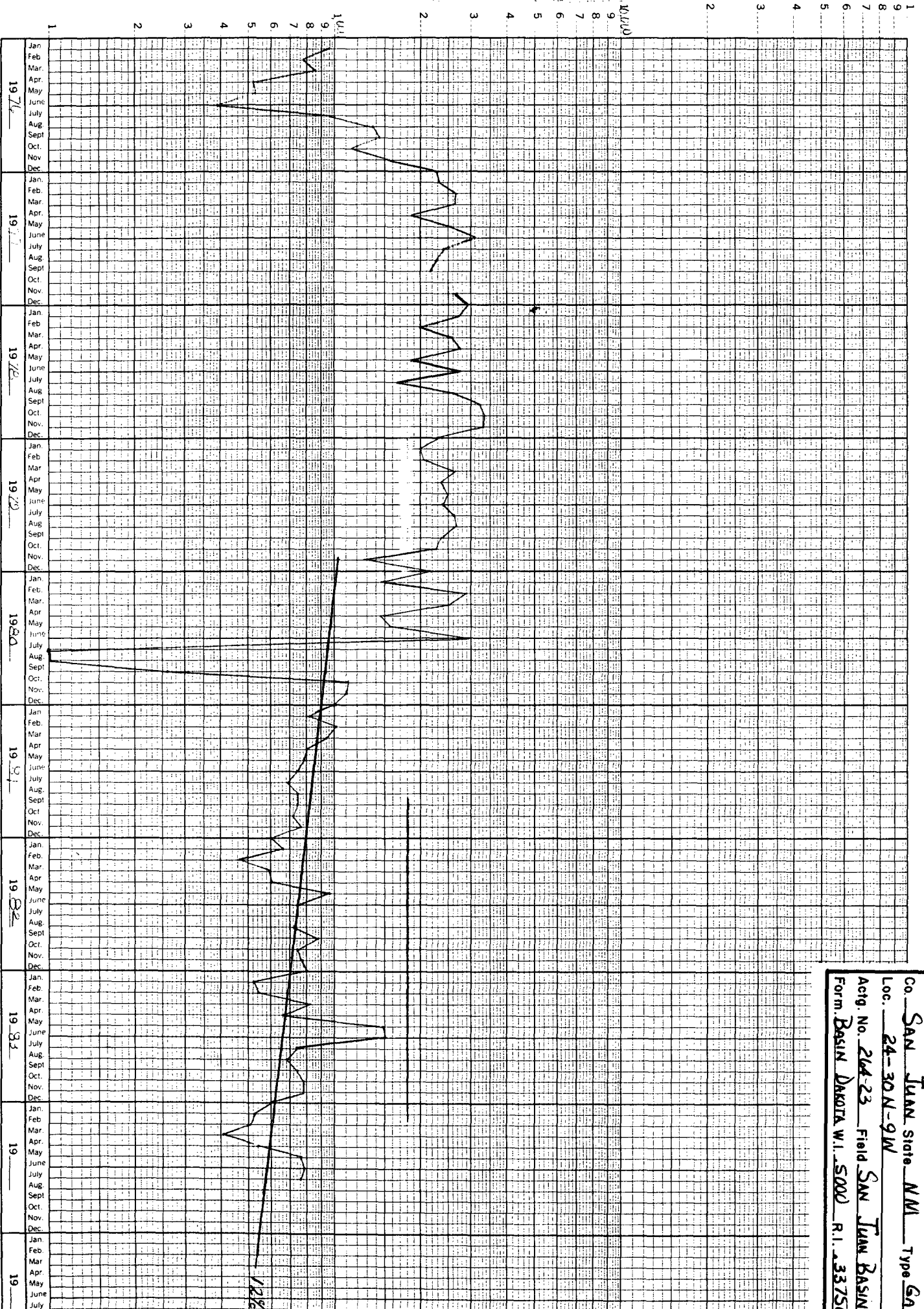
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Charles J. Roberts
(Signature)
Administrative Supervisor

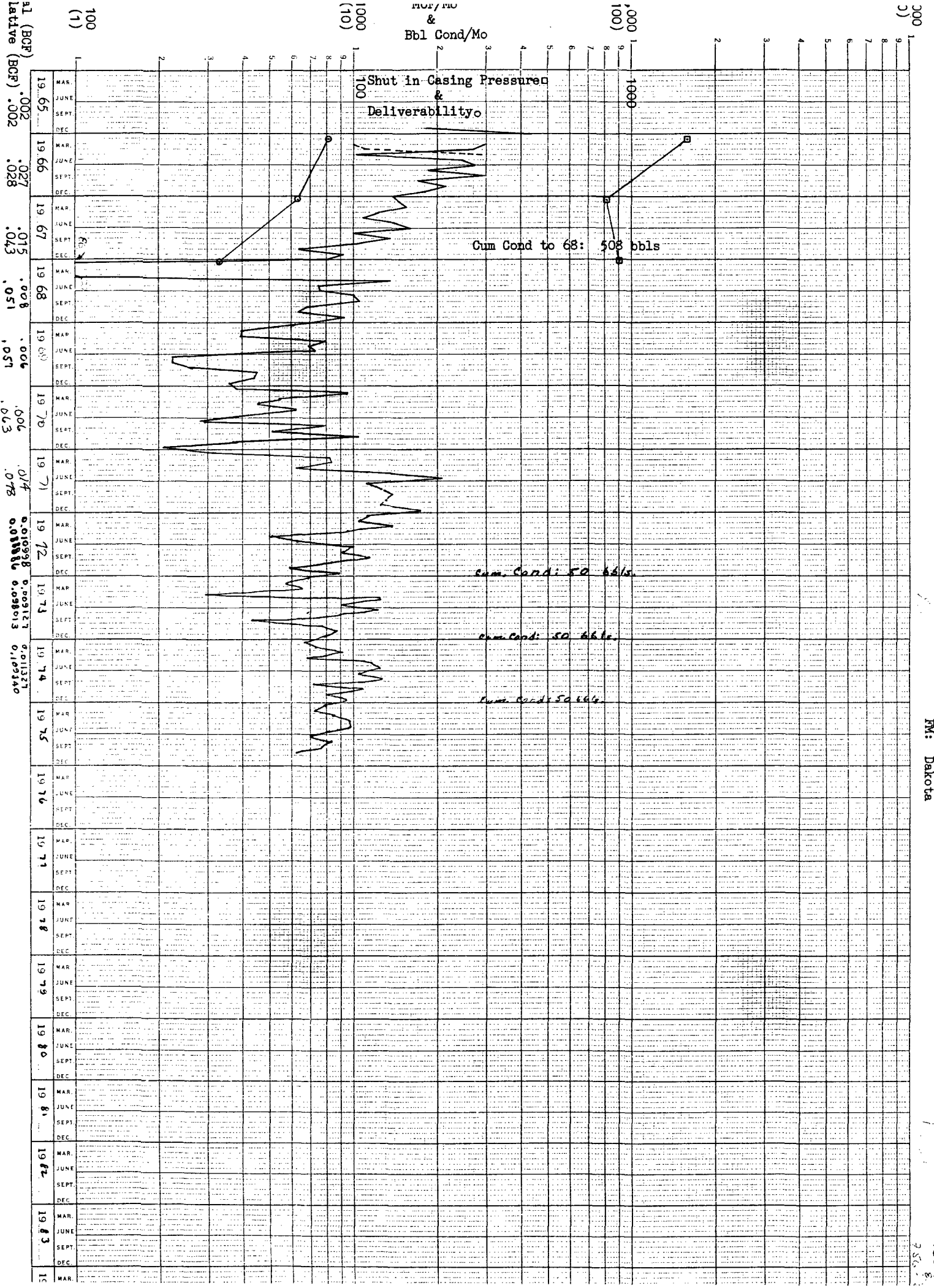
9-21-84 (Title)

MEASUREMENT OF GAS PRODUCED

David W. B. 1914

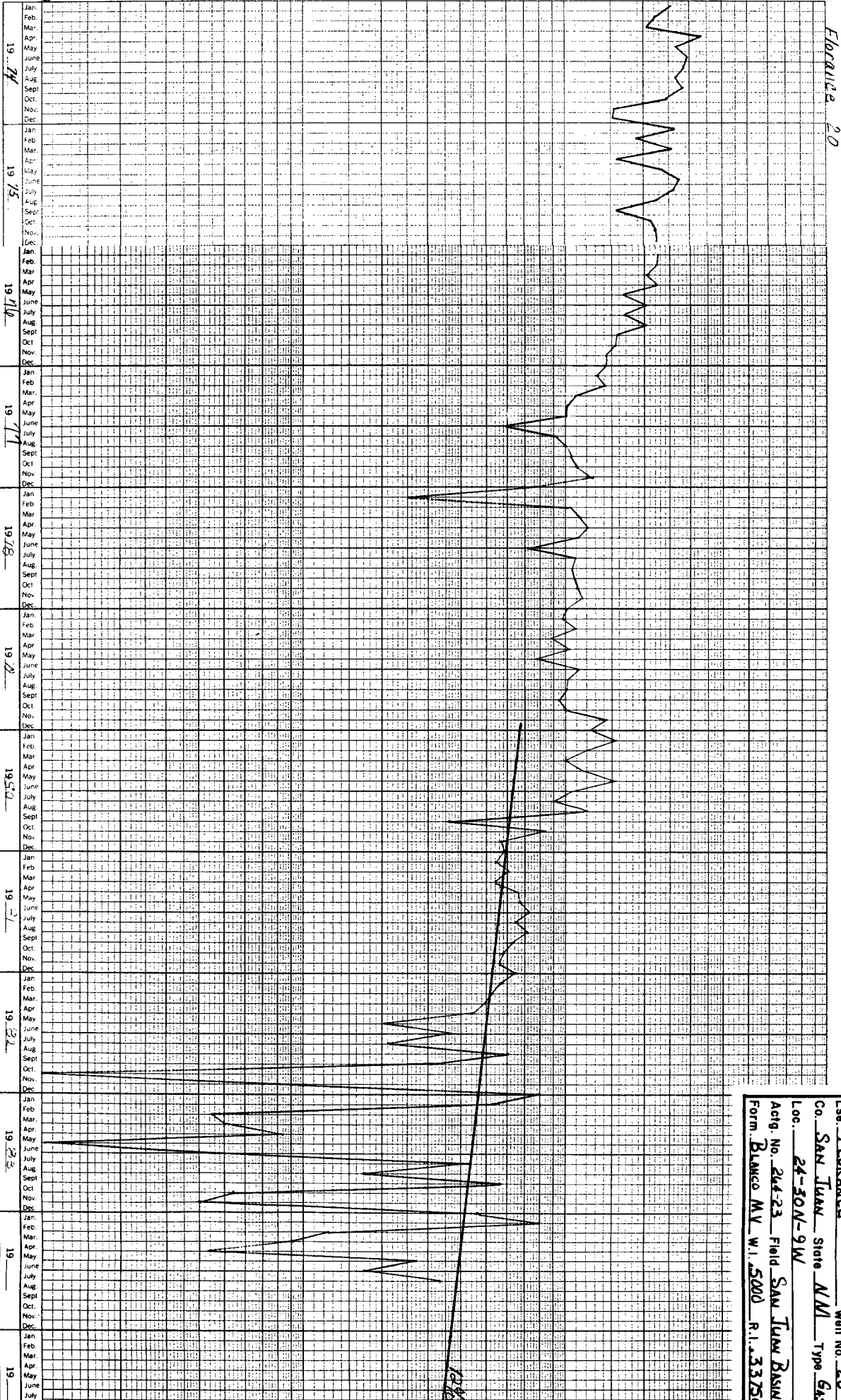


TENNECO OIL COMPANY Company Operator
 Use FLORANCE Well No. 20
 Co. SAN JUAN State NM Type Gas
 Loc. 24-30 N-9 W
 Acctg. No. 264-23 Field SAN JUAN BASIN
 Form Basin DAKOTA W.I. 5000 R.I. 33750



MOF/MID

Florence 20



Just (1/1/10)

TENNECO OIL COMPANY Company Operate
Lse. FLORENCE Well No. 20
Co. SAN JUAN State NM Type 6A
Loc. 24-30N-9W
Acq. No. 24-23 Field SAN JUAN BASIN
Form BLANCO W. 5000 R. 1.3325

Gas Annual (Bcf) 1933
BCF Cum.

1937

1940

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1944

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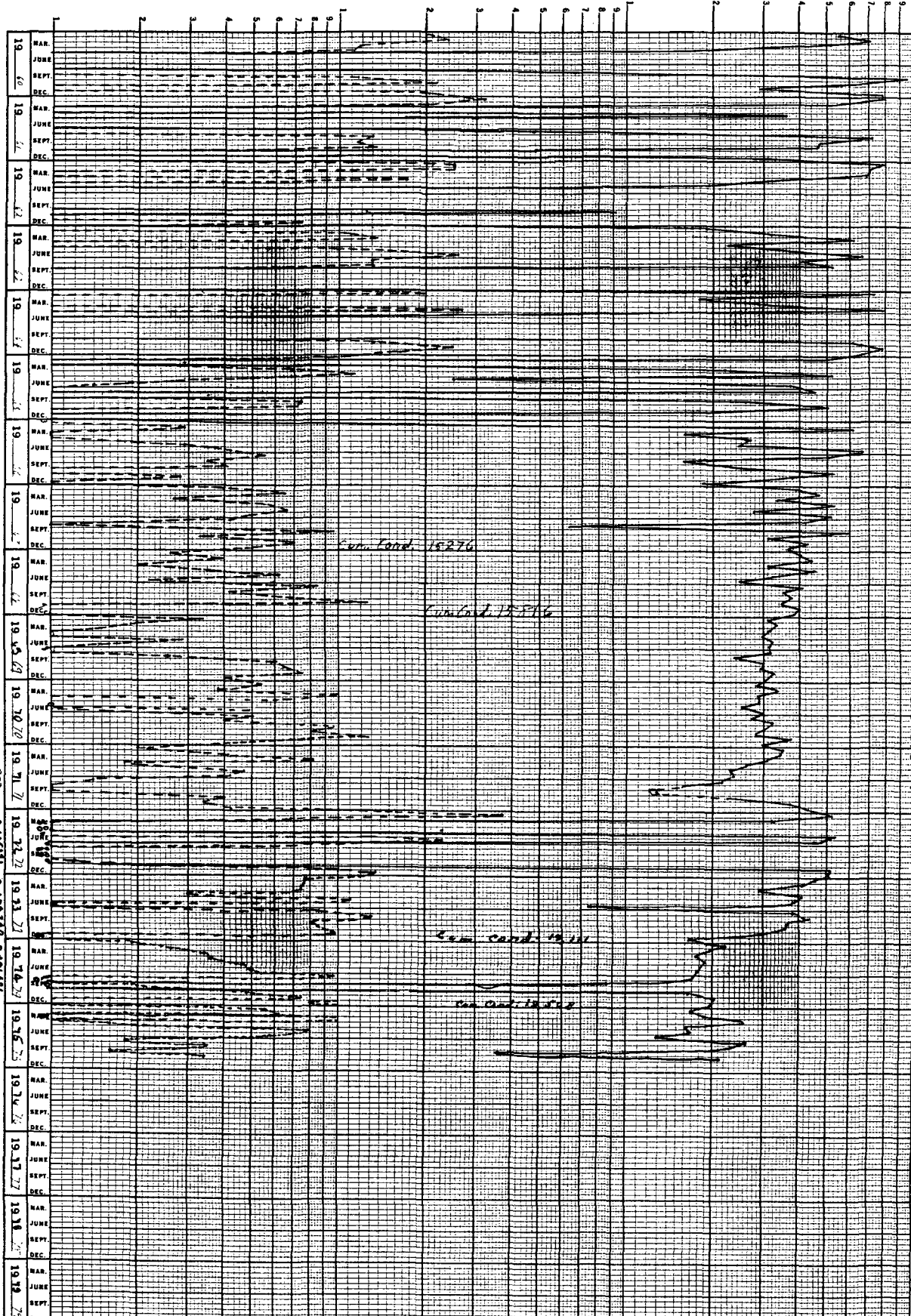
1955

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1959



1935 1.345
1936 1.341
1937 1.323
1938 0.41531
1939 0.40810
1940 0.40606
1941 0.40402
1942 0.40198
1943 0.39994
1944 0.39790
1945 0.39586
1946 0.39382
1947 0.39178
1948 0.38974
1949 0.38770
1950 0.38566
1951 0.38362
1952 0.38158
1953 0.37954
1954 0.37750
1955 0.37546
1956 0.37342
1957 0.37138
1958 0.36934
1959 0.36730

Gas
Prod. ---

SOUTHERN UNION GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: TENNECO OIL CO (846)

REF: FLORANCE 20 MESAVERDE FORMATION
4092
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 1/17/84
DATE OF LAST TEST: 4/27/82
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.6660
BTU/CF @ 14.73/60F/DRY: 1163.9

	MOL %	G. P. M.
CARBON DIOXIDE	0.879	0.0000
NITROGEN	0.195	0.0000
METHANE	86.920	0.0000
ETHANE	7.370	1.9710
PROPANE	2.374	0.6530
ISOBUTANE	0.487	0.1590
N-BUTANE	0.721	0.2270
ISOPENTANE	0.239	0.0870
N-PENTANE	0.184	0.0660
HEXANE +	0.656	0.2890
	-----	-----
TOTAL	100.025	3.4520

FLORANCE 20
MESAVERDE
23/8X41/2 ANNULUS

DATE: 09/21/84
FILE: FLD20
PROJ: 0

G A S W E L L P R E S S U R E S

MEASURED DEPTH, FEET	5000.	FLOW STREAM ID, INCHES	2.375
TRUE VERTICAL DEPTH, FEET	5000.	FLOW STREAM OD, INCHES	4.050

GAS GRAVITY	0.666	CRITICAL TEMPERATURE	379.
BOTTOM HOLE TEMPERATURE	140.	CRITICAL PRESSURE	667.

NITROGEN, MOL %	0.	CONDENSATE GRAVITY, DEG API	50.0
CARBON DIOXIDE, MOL %	0.	WATER GRAVITY	1.047
HYDROGEN SULFIDE, MOL %	0.	PIPE ROUGHNESS, INCHES	0.00060

GAS RATE	WH TEMP	WELLHEAD	BOTTOMHOLE	P/Z	CONDENSATE	WATER
M/D-----	DEG F--	PSIG-----	PSIG-----	PSIG-----	STB/MMCF--	BW/MMCF--

0.	60.	398.	442.♦	AT	4185. FEET (MEAS)	FLUID LEVEL
			812.♦	AT	5000. FEET (MEAS)	(WTR)

♦ COMPUTED VALUE

READY
BYE
00015.33 CRU 0000.43 TCH 0005.88 KC

OFF AT 17:45CDT 09/21/84

SMITH ENERGY SERVICES
Division of Smith International, Inc.

2198 East Bloomfield Highway
Farmington, New Mexico 87401
Phone (505) 327-7281

June 19, 1984

Tenneco
Western Rocky Mountain Division
P.O. Box 3249
Englewood, Co. 80155

ATTN: Frank Weiss

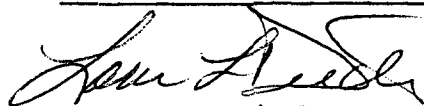
Dear Mr. Weiss:

A compatibility study was conducted using the following formation water samples:

- | | |
|-----------------|------------|
| 1. Jacquez #2A | Mesa Verde |
| 2. Florance #20 | Dakota |
| 3. Jacquez #1 | Mesa Verde |
| 4. Florance #9A | Mesa Verde |

A small amount of reddish orange precipitate formed, but this is to be expected when oxygen is admitted to a water sample containing even a trace of iron. This precipitate should pose no problems in a closed system. No solid precipitates of any other type was noted and these samples should be considered to be compatible for mixing in any concentrations needed.

Sincerely,
SMITH ENERGY SERVICES



Loren L. Diede
District Engineer

LLD/kr

REPORT NUMBER : 2
DATE : 3/14/84

COMPANY : TENNECO
ENGLEWOOD CO.

ATTENTION OF : JOHN COOK

COUNTY :
FORMATION : MESA VERDE
WELL : JACQUES #1

DATE SAMPLED : 3/12/84
FIELD :
LEASE : JACQUES #1
SEES ANALYST : LOREN DIEDE

WATER ANALYSIS
=====

SPECIFIC GRAVITY	1.000	pH :	6.50
CHLORIDE :	199.955 mg/l	CALCIUM :	80.100 mg/l
BICARBONATE :	61.017 mg/l	MAGNESIUM :	0.000 mg/l
SULFATE :	0.000 mg/l	TOTAL IRON :	0.000 mg/l
SULFIDE :	0.000 mg/l	SODIUM :	60.667 mg/l
POTASSIUM :	0.000 mg/l		
TOTAL HARDNESS (as CaCO ₃) :		100.060 mg/l	
TOTAL DISSOLVED SOLIDS :		401.799 mg/l	
RESISTIVITY :	2.000 OHM METERS @	60.0 DEGREES FAHRENHEIT.	

Sample Source :

Analyst's Remarks :

REPORT NUMBER : 2
DATE : 3-6-84

WELL : TENNECO
COUNTY :
FORMATION : DAKOTA
WELL : #20

ATTENTION OF : JOHN COOK
DATE SAMPLED : 3-5-84
FIELD :
LEASE : FLORENCE
WELL ANALYST : LUREN L. DIEDE

WATER ANALYSIS
=====

SPECIFIC GRAVITY	1.015	PH :	6.50
CHLORIDE :	16396.305 mg/l	CALCIUM :	1042.080 mg/l
BICARBONATE :	366.142 mg/l	MAGNESIUM :	0.000 mg/l
SULFATE :	0.000 mg/l	TOTAL IRON :	16.754 mg/l
SULFIDE :	0.000 mg/l	SODIUM :	6619.056 mg/l
POTASSIUM :	5000.000 mg/l		
TOTAL HARDNESS (as CaCO ₃) :			2501.380 mg/l
TOTAL DISSOLVED SOLIDS :			24440.297 mg/l
RESISTIVITY :	0.340 CM METERS @		60.0 DEGREES FAHRENHEIT.

Sample Source :

Analyst's Remarks :

POTASSIUM TEST APPEARS TO BE TOO HIGH, BUT MAY NOT BE.
SAMPLE APPEARS TO BE A COMBINATION OF FRAC WATER AND
FORMATION WATER.

REPORT NUMBER : 1
DATE : 3-14-84

COMPANY : TENNECO

ATTENTION OF : JOHN COOK

COUNTY :
LOCATION : MESAVERDE
WELL : #9A

DATE SAMPLED : 3-12-84
FIELD :
LEASE : FLORANCE
TEST ANALYST : LOREN L. DIEDE

WATER ANALYSIS
=====

SPECIFIC GRAVITY	1.000	pH :	6.50
CHLORIDE :	199.955 mg/l	CALCIUM :	120.240 mg/l
BICARBONATE :	61.017 mg/l	MAGNESIUM :	0.000 mg/l
SULFATE :	0.000 mg/l	TOTAL IRON :	0.000 mg/l
SULFIDE :	0.000 mg/l	SODIUM :	14.707 mg/l
POTASSIUM :	0.000 mg/l		
TOTAL HARDNESS (as CaCO ₃) :		100.060 mg/l	
TOTAL DISSOLVED SOLIDS :		393.919 mg/l	
RESISTIVITY :	9.000 OHM METERS @	60.0 DEGREES FAHRENHEIT.	

Sample Source :

Analyst's Remarks :

REPORT NUMBER : 1
DATE : 3-6-84

COUNTY : TENNECO

ATTENTION OF : JOHN COOK

COUNTY :
FORMATION : MESA VERDE
WELL : JACQUES #2A

DATE SAMPLED : 3-5-84
FIELD :
LEASE : JACQUES #2A
SLS ANALYST : LUREN L. DIEDE

WATER ANALYSIS

=====

SPECIFIC GRAVITY	1.000	PH :	6.50
CHLORIDE :	199.955 mg/l	CALCIUM :	40.080 mg/l
BICARBONATE :	61.017 mg/l	MAGNESIUM :	0.000 mg/l
SULFATE :	0.000 mg/l	TOTAL IRON :	0.000 mg/l
SULFIDE :	0.000 mg/l	SODIUM :	105.627 mg/l
POTASSIUM :	0.000 mg/l		
TOTAL HARDNESS (as CaCO ₃) :			100.080 mg/l
TOTAL DISSOLVED SOLIDS :			407.679 mg/l
RESISTIVITY :	8.000 OHM METERS @		60.0 DEGREES FAHRENHEIT.

Sample Source :

Analyst's Remarks :



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

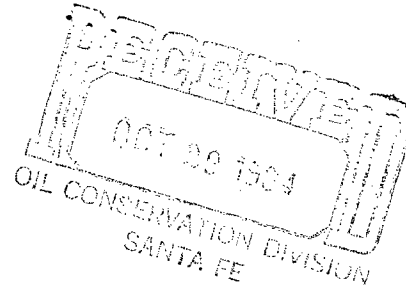
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE October 24, 1984

RE: Proposed MC _____
Proposed DHC ☒ _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____



Gentlemen:

I have examined the application dated October 23, 1984
for the Tenneco Oil Co Zone #20 B-24-30N-9W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Paul D. Chang