



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 10-17-83

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

Gentlemen:

I have examined the application dated 10-11-83
for the Jack A. Cole Chas. Amigo #2 G-1-22N-3W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve allocation should be calculated after production
stabilizes

Yours truly,

Frank D. Long

JACK A. COLE
PETROLEUM GEOLOGIST
P.O. BOX 191
FARMINGTON, NEW MEXICO 87401
(505) 325 - 1415

October 6, 1983

Mr. Joe D. Ramey
Division Director
N. M. Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

REF: Application for commingling
Chacon Amigos No. 8
Jack A. Cole, Operator

Dear Mr. Ramey,

Enclosed please find an application for commingling in the well bore of the Chacon Dakota Associated and Undesignated Gallup zone, for your review and subsequent approval.

For your information, we are enclosing Exhibits "A" through "I" as follows:

- A - Operator and Lease Name
- B - Pool Names and Well History
- C - Productivity Tests
- D - Production Decline Curve
- E - Bottom Hole Pressures
- F - Fluid Characteristics
- G - Off-set Operators
- H - Ownership
- I - Production Valves

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If you should desire any additional documentation, please contact me at your earliest convenience.

Respectfully,

Dewayne Blancett

Dewayne Blancett
Production Supervisor,
Cole Production Company

DB/jlw

Enclosures

EXHIBIT "A"

OPERATOR:

Jack A. Cole
P.O. Box 191
Farmington, New Mexico 87499

LEASE NAME:

Chacon Amigos No. 8
Jicarilla Contract No. 360
SW $\frac{1}{4}$ NE $\frac{1}{4}$
Section 1-T22N-R3W
Sandoval County, New Mexico

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EXHIBIT "B"
Well History

Well was completed in the Chacon Dakota Associated Pool
in 3-29-82

Undesignated Gallup Pool completed 9-15-83

* Note - well was not previously dualled

CASING:

8-5/8", 24.0 lb. @ 268' with 250 sacks.
4-1/2", 11.60 and 10.50 lb. @ 7199' with 850 sacks.

PERFORATION:

Dakota - completed 3-29-82

6942' - 6979' 1 shot per foot, treated with
64,000 gallons water and 77,500
lbs. sand.

7044' - 7051' 2 shots per foot, treated with
25,000 gallons water and 25,000
lbs. sand.

Gallup - completed 9-15-83

6079' - 6098' 1 shot per foot, treated with
40,000 gallons Nitrified Gel
and 40,000 lbs. sand.

5962' - 5978'

5986' - 5990'

6000' - 6004' 1 shot per foot, treated with
40,000 gallons Nitrified Gel
and 40,000 lbs. sand.

6010' - 6016'

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CHACON DAKOTA ASSOCIATED POOL

EXHIBIT "C"
Productivity Tests

A - 24 hour Productivity Test

Dakota - C-116 (Attached)

Gallup - C-116 (Attached)

B - Production

1. Dakota

I P Test 120 bblspd Oil
110 mcfpd Gas

Present Production 12 bblspd Oil
14 mcfpd Gas

2. Gallup

I P Test and 9 bblspd Oil
Present Production Gas TSTM

| | <u>GAS</u> | <u>OIL</u> |
|--------|------------|------------|
| Dakota | 14 mcfpd | 12 bblspd |
| Gallup | TSTM mcfpd | 9 bblspd |
| TOTAL | 14 mcfpd | 21 bblspd |

FLOW RATE (percentage)

| | <u>GAS</u> | <u>OIL</u> |
|--------|------------|------------|
| Dakota | 100% | 57% |
| Gallup | 0% | 43% |

C - Projected Production

Dakota

Oil - 9,000 bbls
Gas - 10,500 mcf

Gallup

Oil - 7,500 bbls
Gas - 15,000 mcf

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BY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

EXHIBIT C
P.O. BOX 1011
SANTA FE, NEW MEXICO 87501

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

Jack A. Cole

Pool

Chacon Dakota Associated

County

Sandoval

P.O. Box 191, Farmington, New Mexico 87499

TYPE OF
TEST - (X)

Scheduled ☐

Completion ☐

Spent ☒

| 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/OBL | |
|---------------|----------|----------|---|-----|----|--------------|------------|-------------|-------------------|----------------------|-------------------|-----------------|------------|---------------------------|-------|
| | | U | S | T | R | | | | | | WATER BBL'S | CRAY. OIL BBL'S | GAS M.C.F. | | |
| Chacon Amigos | 8 | G | 1 | 22N | 3W | 8-26-83 | P 3/4" | 190 | | 24 | -0- | 46.2 | 12 | 14 | 1.166 |

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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 tested by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned a greater allowable when authorized by the Division.

Gas production must be reported by MCF measured at a pressure base of 13.025 psia and a temperature of 60° F. Specific gravity base 11.66 O.G.G.

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 the 301 and appropriate pool rules.

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

Dorothy Blum

Dorothy Blum, District Production

EXHIBIT C
P. O. BOX 2011
SANTA FE, NEW MEXICO 87501

GAS-OIL RATIO TESTS

| LEASENAME | | WELL NO. | LOCATION | | | DATE OF TEST | CHOKE SIZE | T.B.C. PRESS. | DAILY ALLOWABLE | TESTING OF TEST MOUNT | PROD. DURING TEST | | | GAS - OIL RATIO CU.FT/DBL. | |
|------------|--|----------|----------|---|-----|--------------|------------|---------------|-----------------|-----------------------|-------------------|-----------------|-----------|----------------------------|-----|
| | | U | S | T | R | | | | | | WATER DBLS. | CRAY. OIL DBLS. | OIL DBLS. | GAS M.C.F. | |
| con Amigos | | 8 | G | I | 22N | 3W | 9/23/83 | P 3/4" | 160 | -0- | 24' | 6 | 40.3 | 9 | -0- |
| | | | | | | | | | | | Frac Water | | | | |

During fiscal year 1991, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is a member of 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned a different allocation when authorized by the Division.

Conc. of the effluent in mg/l. of NaCl. The amount of a chemical dose of 1000 g/l. and a temperature of 60° F. Specific gravity based on 60° F.

Keep casing pressure below tubing pressure for any well producing through casing

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

EXHIBIT "D"
Production Decline Curve

1. Dakota - Attached
2. Gallup - Not sufficient production to develop decline curve.

R E C E I V E D
OCT 11 1983
OIL CON. DIV.
DIST. 3

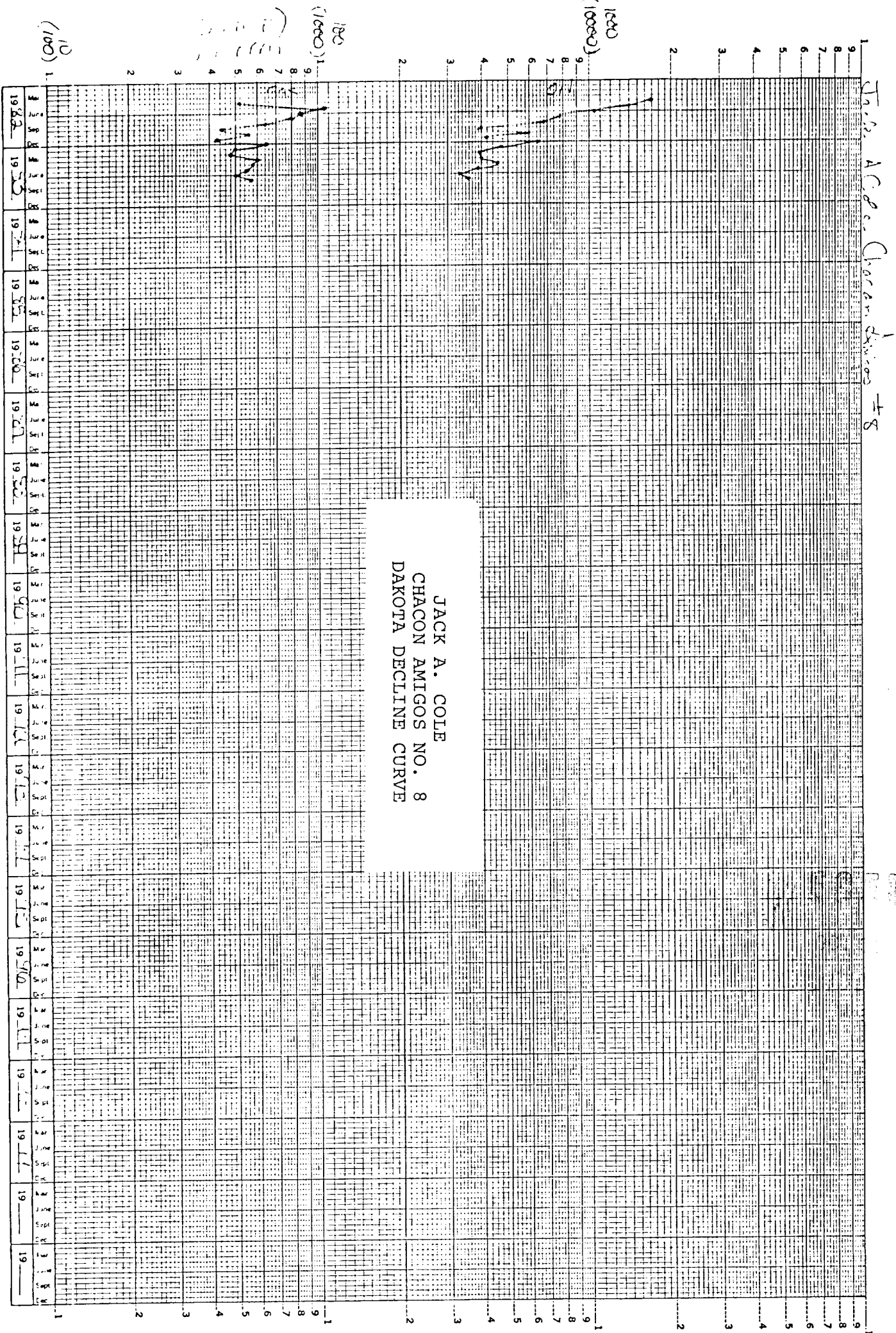


EXHIBIT "E"

Bottom Hole Pressures

| | | | |
|--------|---|----------|--|
| Dakota | - | 700 psig | (Also bottom hole pressure from off-set well) |
| Gallup | - | 850 psig | |

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EXHIBIT "F"

Fluid Characteristics

1. Dakota

| | | | |
|----|-------------|---|------|
| A. | Gas Gravity | - | .788 |
| B. | Oil Gravity | - | 47.6 |

2. Gallup

| | | | |
|----|-------------|---|------|
| A. | Gas Gravity | - | .791 |
| B. | Oil Gravity | - | 43.6 |

EXHIBIT "G"

Off-Set Operators
(See Attached)

Merrion Oil and Gas
501 Airport Drive
Farmington, New Mexico 87401

Dave M. Thomas, Jr.
P.O. Box 2026
Farmington, New Mexico 87499

Amoco
Amoco Building
1670 Broadway
Denver, Colorado 80202

Bureau of Land Management
P.O. Drawer 600
Farmington, New Mexico 87499

JACK A. COLE

Chacon Amigos No. 8

Sec. 1-T22N-R3W

Off-set Operators

EXHIBIT G

| | | | |
|-----------------------|-----------------------|------------|---------|
| 35 Thomas | 36 Thomas | 31 | T23N |
| Amoco 2 Merrion | Cole 1 Amoco | Amoco 6 | T22N |
| 11 Merrion | Cole 12 Merrion | 7 Amoco | R3W R2W |



EXHIBIT "H"

Ownership

Dakota Working Interest

1. Jack A. Cole
2. Dave M. Thomas, Jr.
3. James C. Casey
4. Johnston Investments
5. Frank A. Macaluso
6. MarJac, Inc.

Dakota Overriding Royalty

1. Amoco
2. L. S. Madrid

Gallup Working Interest

1. Jack A. Cole
2. Dave M. Thomas, Jr.
3. James C. Casey
4. Johnston Investments
5. Frank A. Macaluso
6. MarJac, Inc.

Gallup Overriding Royalty

1. Amoco
2. L. S. Madrid

EXHIBIT "I"

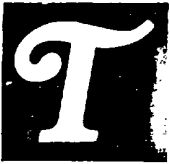
Production Valves

DAKOTA

Gas - \$ 4.42 per 1000 mcf
Oil - \$ 29.60 per bbl

GALLUP

Gas - \$ 4.47 per 1000 mcf
Oil - \$ 29.60 per bbl



Dave M. Thomas, Jr.

Oil & Gas

P.O. Box 2020

Farmington, New Mexico 87401

October 7, 1983

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OIL CON. DIV.
D.M.T.

Mr. Dewayne Blancett
Cole Production Company
P. O. Box 191
Farmington, New Mexico 87499

RE: Jack A. Cole
Chacon Amigos No. 8
SW NE Sec. 1, T22N, R3W
Sandoval County, New Mexico

Dear Mr. Blancett:

Pursuant to your letter dated October 5, 1983, please be advised that as an offset operator, I have no objections to the commingling of the above captioned well.

Yours very truly,

Dave M. Thomas, Jr.

DMT:jr