BURLINGTON RESOURCES

SAN JUAN DIVISION

September 9, 1996

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Richardson SRC #6
1650'FSL, 990'FEL Section 22, T-31-N, R-12-W, San Juan County, NM
API #30-045-10497 I

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. This is currently a dual Mesa Verde/Dakota well.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for both the Dakota and Mesa Verde for at least one year;
4. Notification list of offset operators - Burlington is the surrounding operator;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Mesa Verde and Dakota.

The ownership for both the Mesa Verde and Dakota are common in this well. No notification to interest owners is required.

The allocation formula will be based off actual flow rates from the Mesa Verde and Dakota formations.

Please let me know if you require additional data.

Sincerely,

Peggy Bradfield

Peggy Bradfield
Regulatory/Compliance Administrator

encs.

3535 East 30th St., 87402-8891, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 South First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
New 3-12-96

APPROVAL PROCESS :
_X_ Administrative
___Hearing

EXISTING WELLBORE
_X__ YES ___ NO

Burlington Resources Oil & Gas Company		PO Box 4289, Farmington, NM 87499	
Operator		Address	
Richardson SRC	6	I-22-31N-12W	San Juan
Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. _14538__ Property Code _18610____ API NO. 30-045-10497___Federal _____ , State _____, (and/or) Fee __X_____

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4932-5000'		7064-7236'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a.536 psi (see attached)	a.	a.842 psi (see attached)
	(Original) b 1214 psi (see attached)	b.	b. 2357 psi (see attached)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1190		BTU 1144
7. Producing or Shut-In?	producing		Shut-in
Production Marginal? (yes or no)	No		Yes
* If Shut-In and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date:N/A Rates:	Date: Rates:	Date: 1-92 Rates: 8 MCFD, 0 BOPD

RECEIVED
SEP 17 1996
OIL CON. DIV.
DIST. 3

Form C-128
Revised 5/1/57

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date April 7, 1960

Operator Aztec Oil & Gas Company Lease Richardson ~~Fed~~

Well No. 6 Unit Letter I Section 22 Township 31 North Range 12 West NM

Located 1650 Feet From South Line, 990 Feet From East Li

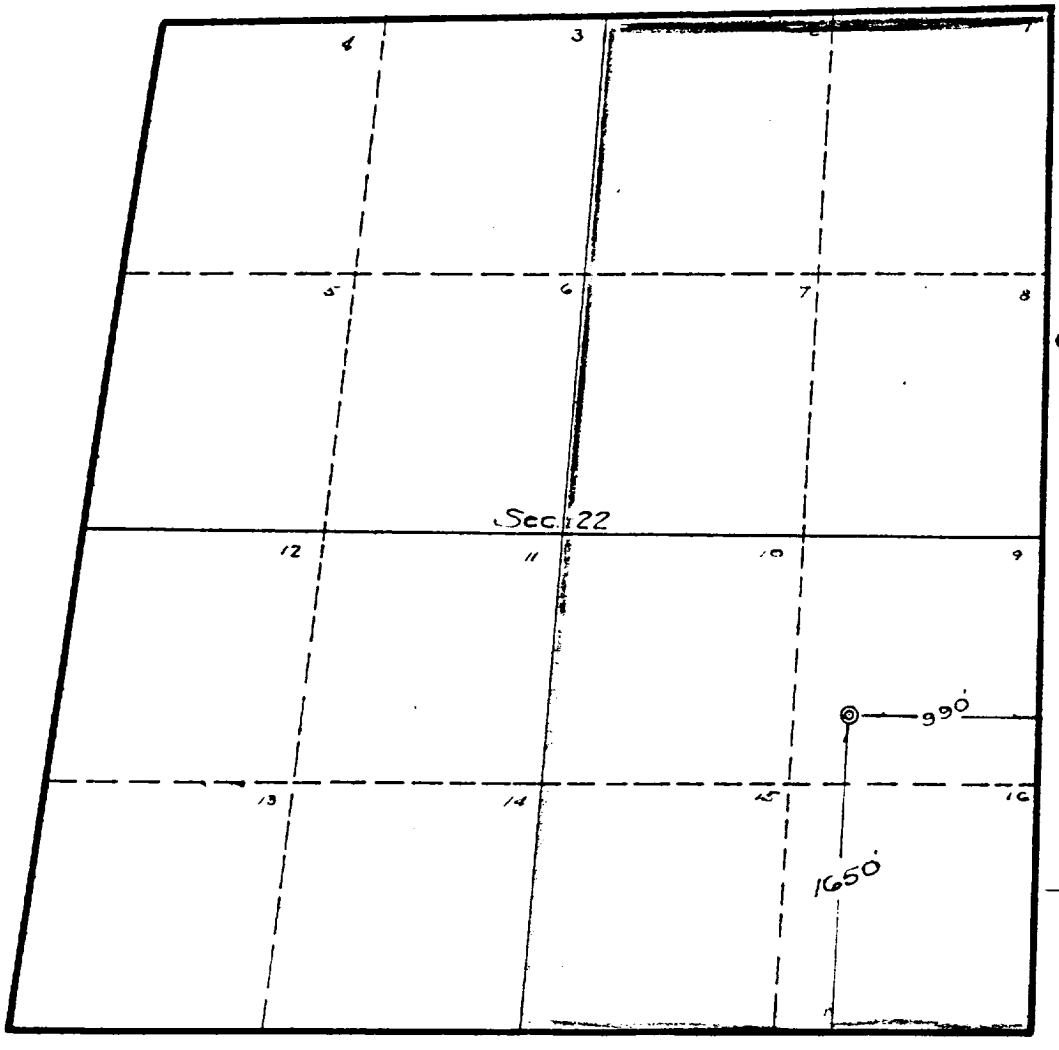
County San Juan G. L. Elevation 6157 Dedicated Acreage 320 Acr

Name of Producing Formation Mesaverde Pool Blanco Mesaverde

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
   Yes XX No _____.
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests belo

Owner	Land Description

Section. B



This is to certify that t information in Section A above is true and complet to the best of my knowledge and belief.

Aztec Oil & Gas Company
(Operator)

ORIGINAL SIGNED BY JOE C. SALMO
(Representative)

Box 786, Farmington, N.M.
Address

This is to certify that the well location shown on this plat in Section ... is 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 April 3, 19

Ernest V. Echohawk
Registered Land Surveyor.

Certificate No. 1545

Form C-128
Revised 5/1/

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date April 7, 1960

Operator Aztec Oil & Gas Company Lease Richardson

Well No. 6 Unit Letter I Section 22 Township 31 North Range 12 West

Located 1650 Feet From South Line, 990 Feet From East

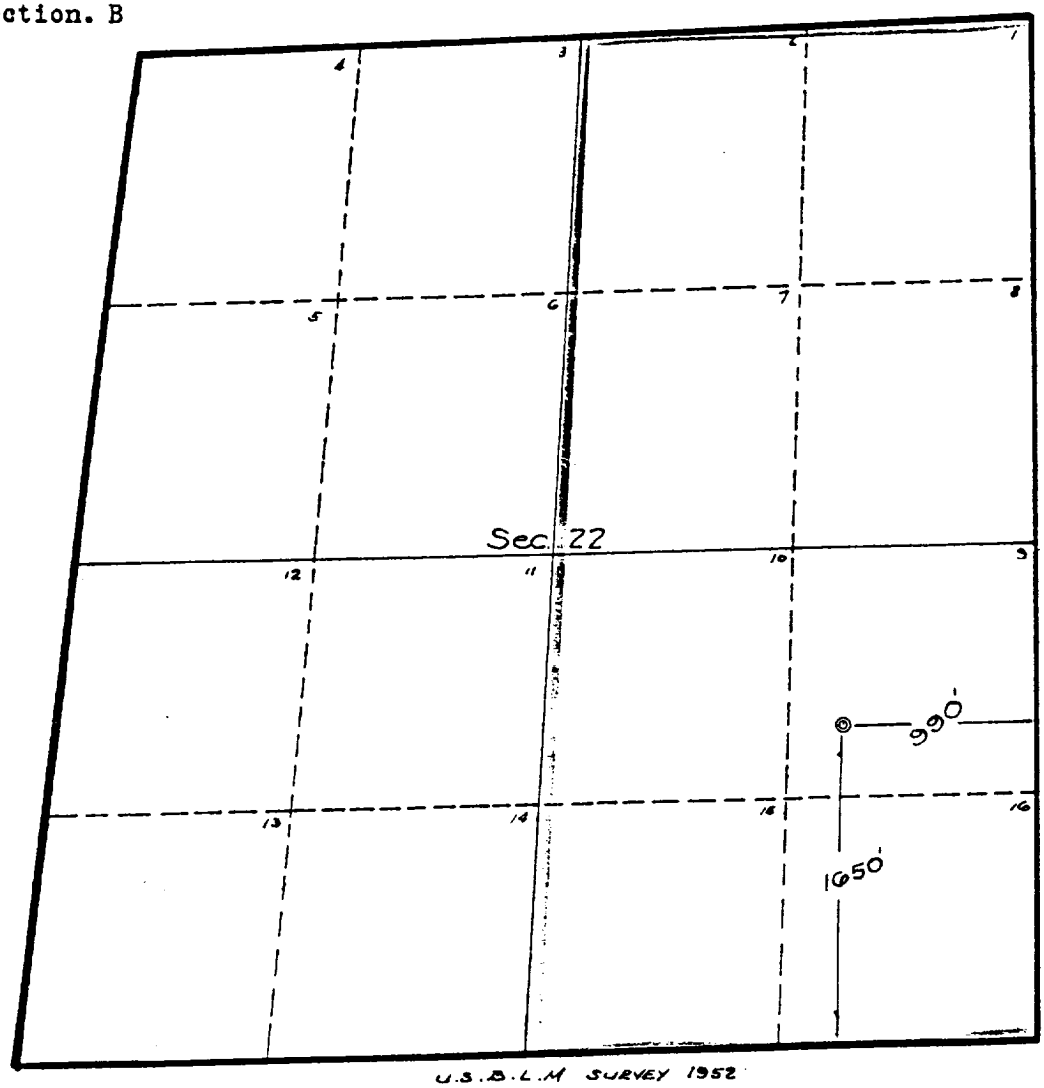
County San Juan G. L. Elevation 6157 Dedicated Acreage 320 A

Name of Producing Formation Dakota Pool Wildcat

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
   Yes XX No _____.
2. If the answer to question one is "no," have the interests of all the owners been consolidate by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests be

Owner	Land Description

Section. B



U.S.B.L.M SURVEY 1952

This is to certify that information in Section A above is true and complete to the best of my knowledge and belief.

Aztec Oil & Gas Company
(Operator)

ORIGINAL SIGNED BY JOE C. SAI
(Representative)

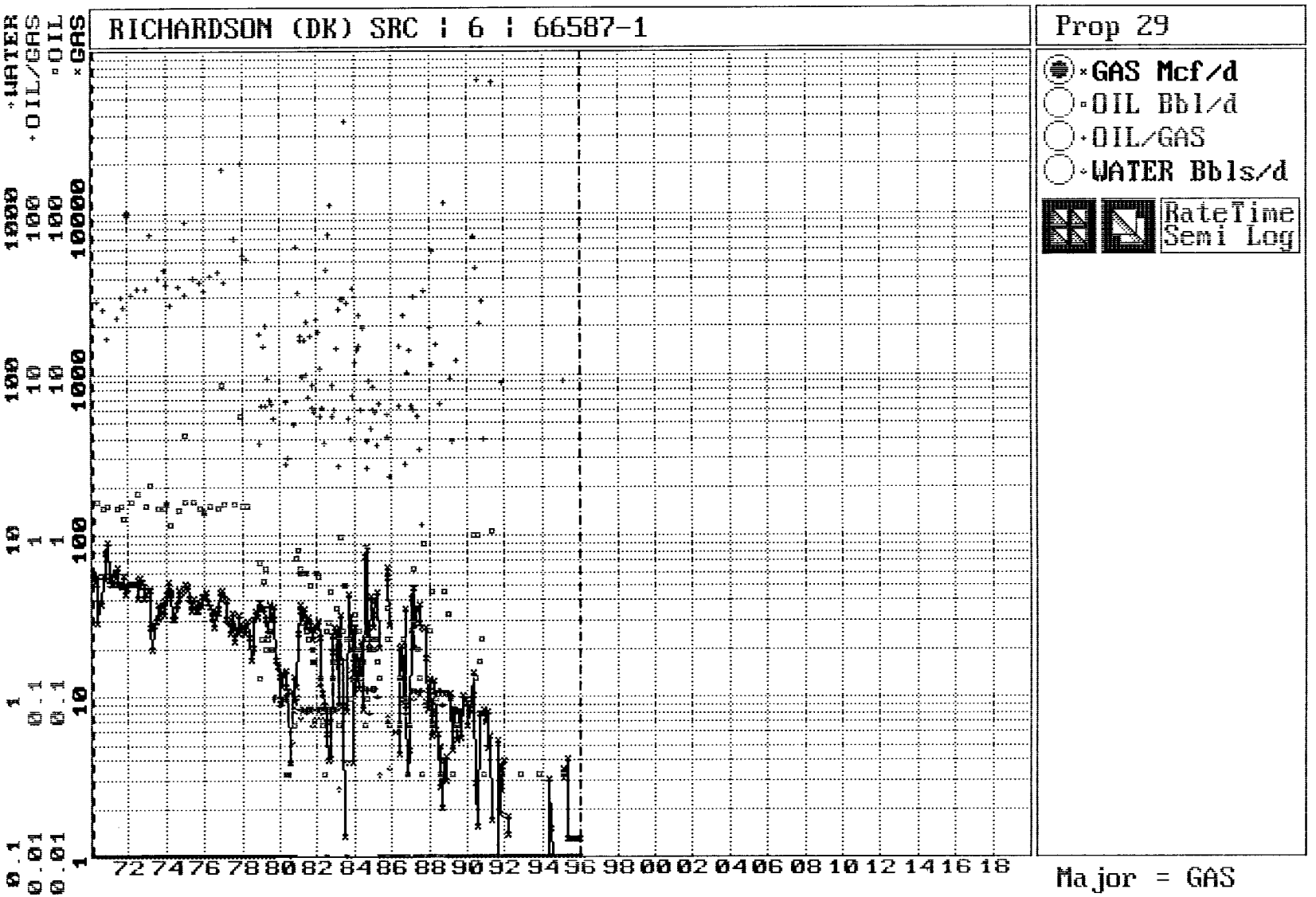
Box 786, Farmington, N
Address

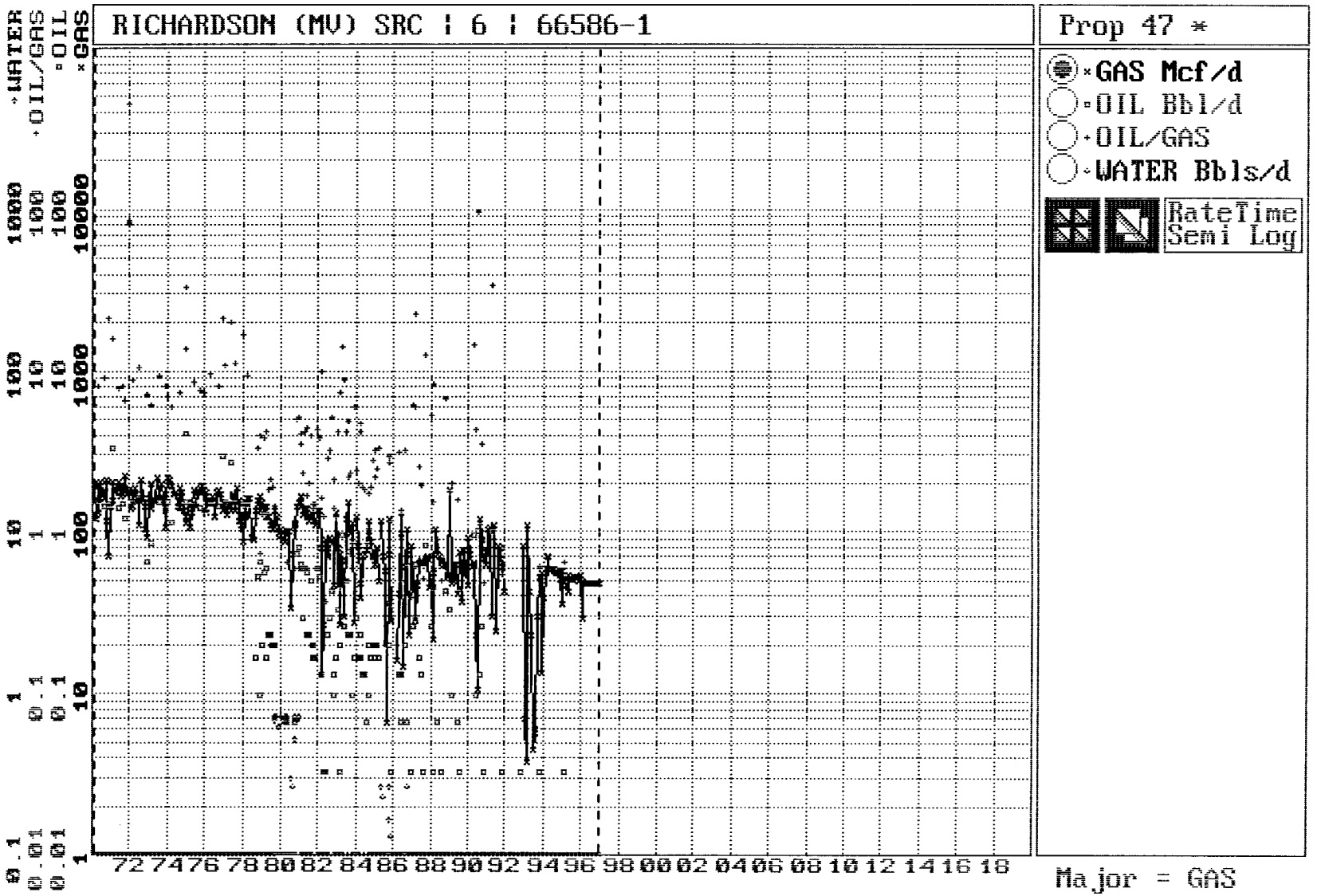
This is to certify that the well location shown on this plat in Section B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed April 3,

Ernest V. Echohawk
Registered Land Surveyor

Certificate No. 1545


RICHARDSON (DK) SRC | 6 | 66587-1
Prop 29
GAS Mcf/d
OIL Bbl/d
OIL/GAS
WATER Bbls/d
RateTime
Semi Log
WATER
OIL/GAS
OIL
GAS
72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18
Major = GAS


RICHARDSON (MV) SRC ¦ 6 ¦ 66586-1
Prop 47 *
×GAS Mcf/d
▫OIL Bbl/d
·OIL/GAS
·WATER Bbls/d
RateTime
Semi Log
·WATER
·OIL/GAS
▫OIL
×GAS
72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18
Major = GAS

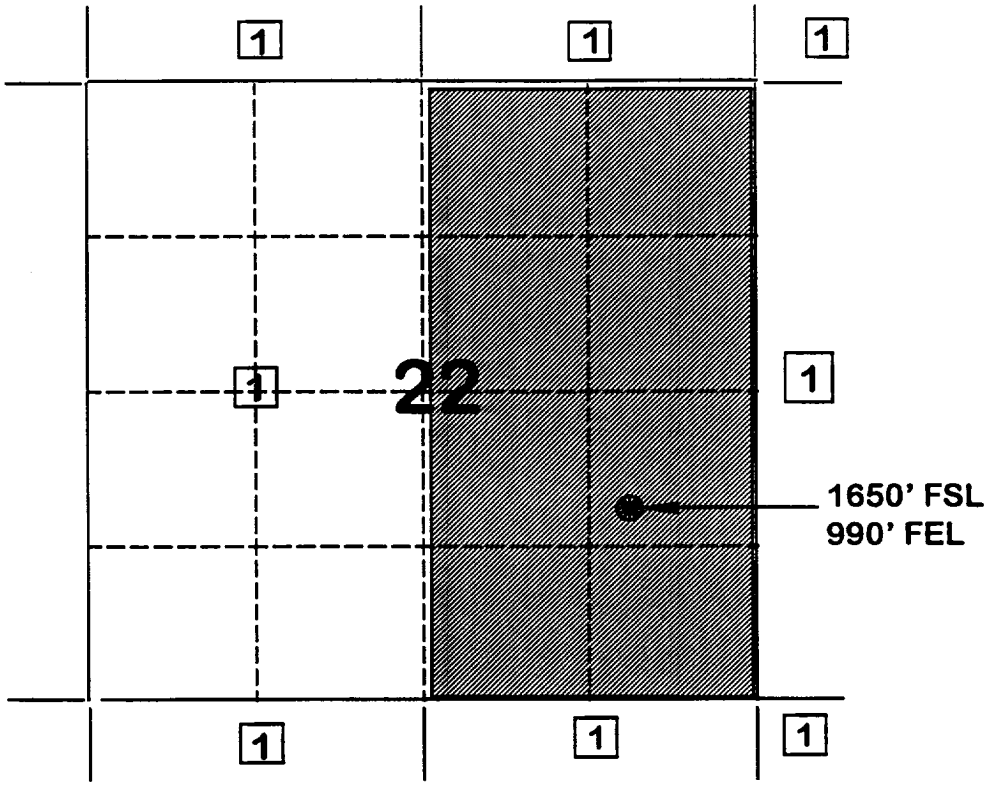
BURLINGTON RESOURCES OIL AND GAS COMPANY

RICHARDSON SRC #6

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 31North, Range 12 West



1) **Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.**

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.669**
COND. OR MISC. (C/M)	**C**
%N2	**0.19**
%CO2	**1.02**
%H2S	**0**
DIAMETER (IN)	**2.5**
DEPTH (FT)	**7236**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**200**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**710**
BOTTOMHOLE PRESSURE (PSIA)	842.3

RICHARSON SRC #6 DAKOTA - (CURRENT) *LAST TEST DATE: 1985

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.669**
COND. OR MISC. (C/M)	**C**
%N2	**0.19**
%CO2	**1.02**
%H2S	**0**
DIAMETER (IN)	**2.5**
DEPTH (FT)	**7236**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**200**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**1946**
BOTTOMHOLE PRESSURE (PSIA)	2357.1

RICHARSON SRC #6 DAKOTA - (ORIGINAL)

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.697**
COND. OR MISC. (C/M)	**C**
%N2	**0.39**
%CO2	**0.74**
%H2S	**0**
DIAMETER (IN)	**2.5**
DEPTH (FT)	**5000**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**150**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**473**
BOTTOMHOLE PRESSURE (PSIA)	536.3

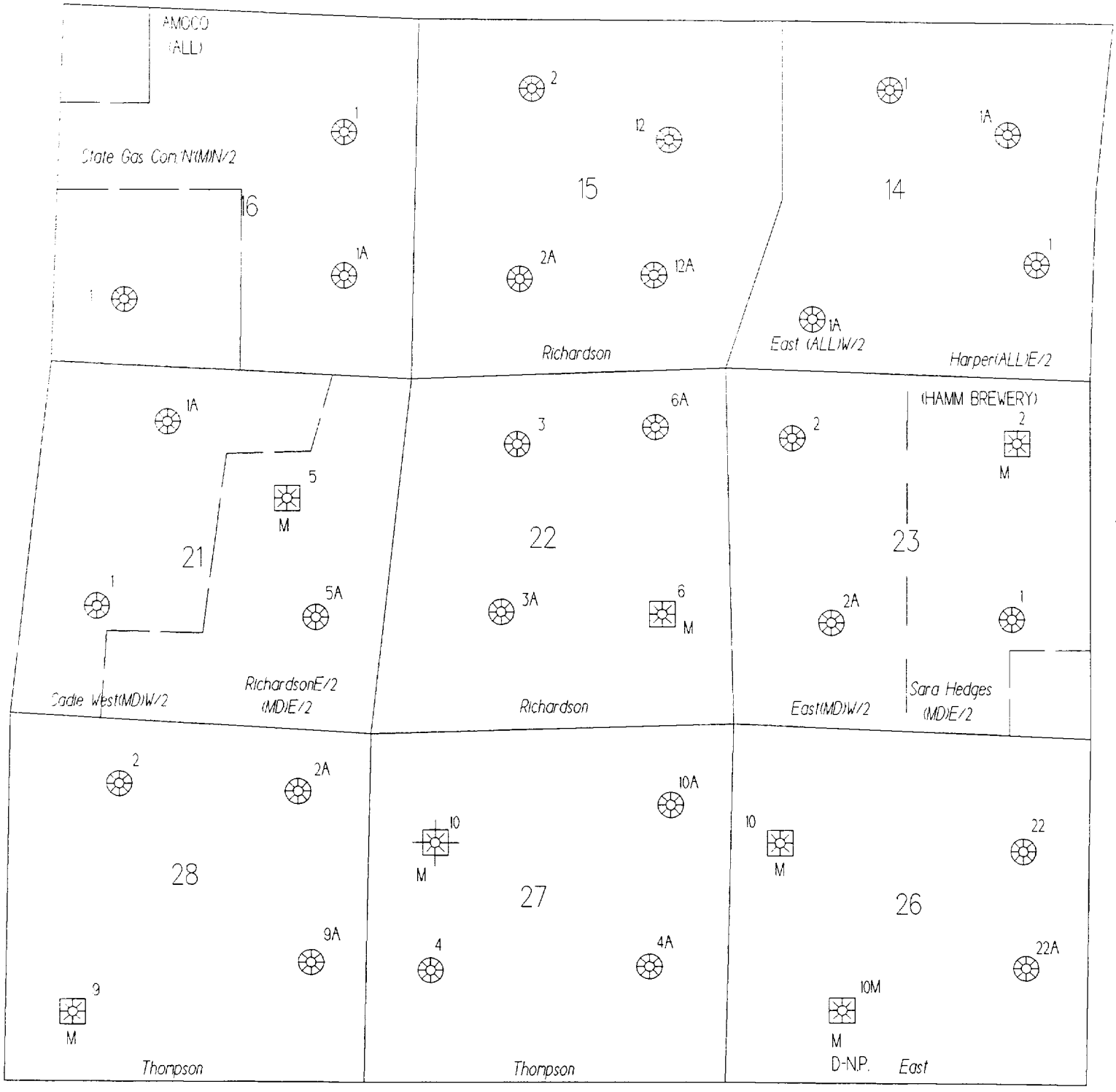
RICHARSON SRC #6 MESAVERDE - (CURRENT)

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.697**
COND. OR MISC. (C/M)	**C**
%N2	**0.39**
%CO2	**0.74**
%H2S	**0**
DIAMETER (IN)	**2.5**
DEPTH (FT)	**5000**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**150**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**1056**
BOTTOMHOLE PRESSURE (PSIA)	1213.6

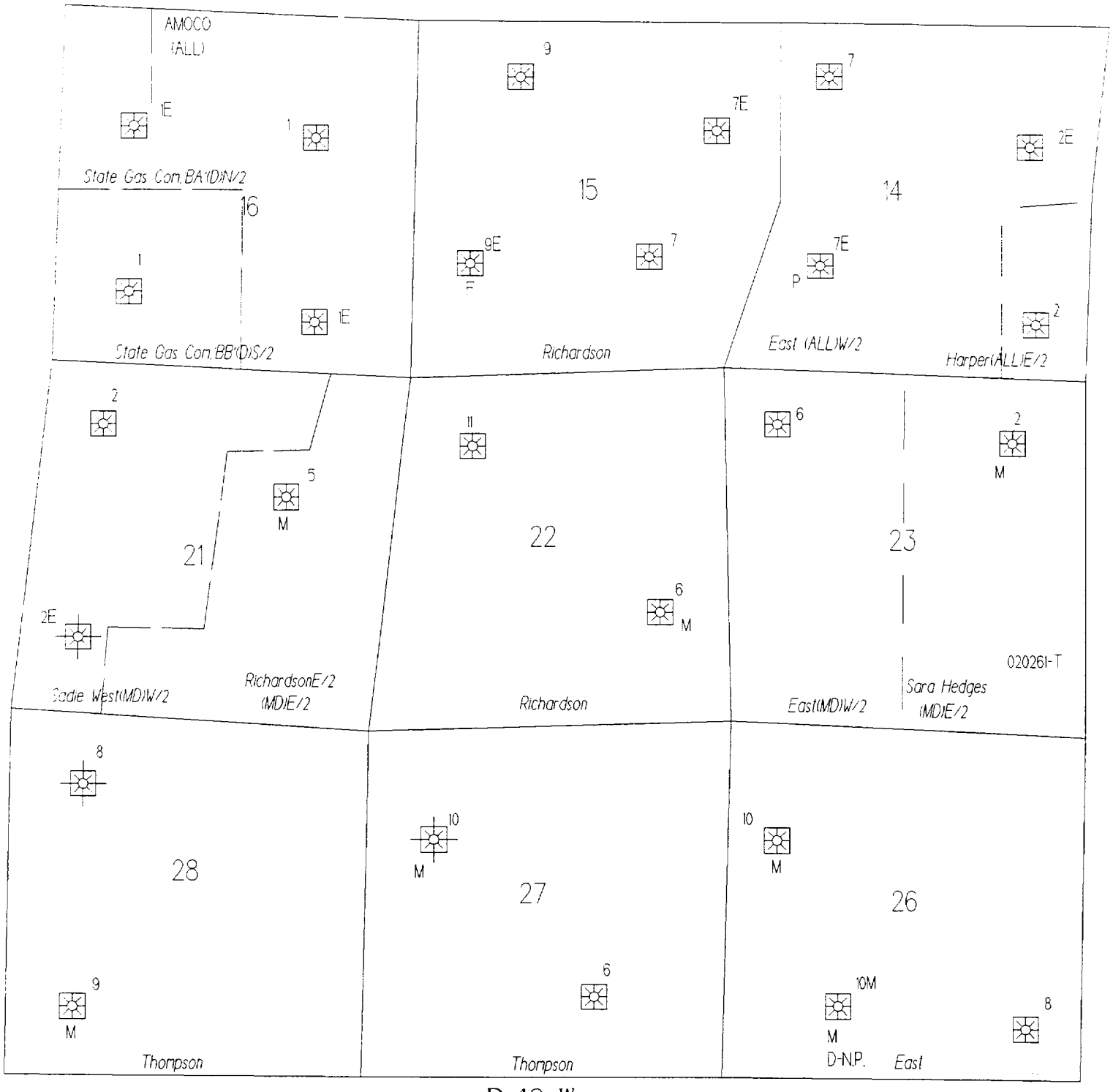
RICHARSON SRC #6 MESAVERDE - (ORIGINAL)

RICHARDSON 6 MV



R-12-W

RICHARDSON 6 DK



R-12-W

RICHARDSON SRC #6
22
31N
12W

PRODUCTION ALLOCATION FORMULA USING HISTORICAL PRODUCTION

Commingle

Allocation Formula Method:

Historical Production from Blanco Mesaverde = 47 MCFD Gas
Historical Production from Blanco Mesaverde = 0.1 BOPD Oil

Historical Production from Basin Dakota = 8 MCFD Gas
Historical Production from Basin Dakota = 0 BOPD Oil

Mesaverde

$$\frac{\text{(MV) 47 MCFD}}{\text{(MV) 47 MCFD + (DK) 8 MCFD}} \text{ (100) = 85 \% Gas}$$

$$\frac{\text{(MV) 0.1 BOPD}}{\text{(MV) 0.1 BOPD + (DK) 0 BOPD}} \text{ (100) = 100 \% Oil}$$

Dakota

$$\frac{\text{(DK) 8 MCFD}}{\text{(MV) 47 MCFD + (DK) 8 MCFD}} \text{ (100) = 15\% Gas}$$

$$\frac{\text{(DK) 0 BOPD}}{\text{(MV) 0.1 BOPD + (DK) 0 BOPD}} \text{ (100) = 0\% Oil}$$