



#1085

**GIANT EXPLORATION AND PRODUCTION COMPANY**

P.O. Box 2810  
Farmington, New Mexico  
87499

505  
326-3325

April 4, 1991

Bureau of Land Management  
1235 La Plata Highway  
Farmington, New Mexico 87401

Subject: 1991 Plan of Development  
and Operations  
Carson Unit  
San Juan County, New Mexico

Gentlemen:

Enclosed for your review and approval are two (2) copies of  
our 1991 Plan of Development for the above referenced unit.

Very truly yours,

Aldrich L. Kuchera  
President

EJB/das

Enclosures

RECEIVED  
BLM  
91 APR -8 PM 2:55  
019 FARMINGTON, N.M.

APPROVED

APR 29 1991  
  
AREA MANAGER

1991 PLAN OF DEVELOPMENT  
CARSON UNIT  
SAN JUAN COUNTY, NEW MEXICO

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GENERAL

The Carson Unit was formed June 13, 1956. Shell Oil Company was elected as Unit Operator.

On July 27, 1982 Shell Oil transferred their interest in the Carson Unit to Hixon Development Company.

Hixon Development Company has operated the Carson Unit from July 27, 1982 through the present.

On January 1, 1990, Hixon Development Company merged with Giant Industries. Effective July 1, 1990 Hixon Development Company became Giant Exploration & Production Company.

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SUMMARY OF 1990 OPERATIONS

GALLUP PARTICIPATING AREA

The following wells were drilled in 1990 to protect drainage:

Carson Unit Well No. 24-19  
330' FSL, 2310' FWL  
Sec. 19, T25N, R11W

Carson Unit Well No. 44-19  
330' FSL, 990' FEL  
Sec. 19, T25N, R11W

During 1990 the Carson Unit Well No. 24-18 was reactivated as a water injector.

There was no change in geologic interpretations or the Gallup Participating Area Boundaries.

CURRENT OPERATIONS

Current well status, production data and waterflood status  
are as follows:

Well Status

Gallup Oil Producers - 19

3-7 - POW	12-13 - POW	24-15 - POW	44-18 - POW
23-10 - POW	14-13 - POW	34-15 - POW	12-19 - POW
24-10 - POW	32-13 - POW	41-15 - POW	33-19 - POW
33-10 - POW	31-14 - POW	32-17 - POW	43-19 - POW
43-10 - POW	42-14 - POW	41-18 - POW	

Inactive Oil Wells - 21

34-10 - OSI	44-13 - TA	33-15 - OSI	41-19 - OSI
44-10 - OSI	11-14 - OSI	43-15 - OSI	41-23 - OSI
31-13 - TA	14-14 - TA	12-18 - OSI	34-24 - OSI
33-13 - TA	33-14 - TA	34-18 - OSI	
42-13 - OSI	34-14 - TA	23-19 - OSI	
43-13 - OSI	32-15 - OSI	34-19 - OSI	

Dakota Gas Wells - 1

113-17 - PGW

Active Water Injectors - 3

24-18 - WIW	4-20 - WIW	1-24 - WIW
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Inactive Water Injectors - 10

21-13 - WIW	1-17 - WIW
23-13 - WIW	43-17 - WIW
24-13 - WIW	23-18 - WIW
21-14 - WIW	33-18 - WIW
31-15 - WIW	21-19 - WIW

Plugged and Abandoned Wells - 83

WAW FRUITLAND SAND - PICTURED CLIFF PARTICIPATING AREA

Summary of Operations

During 1990 the establishment of this Participating Area was completed. See attached maps.

Pictured Cliff Gas Wells - 7

202 - PGW	41-14 - PGW	208 - PGW
13-11 - PGW	206 - PGW	
34-11 - PGW	207 - PGW	

BASIN FRUITLAND COAL PARTICIPATING AREA

Summary of Operations

During 1990 the establishment of this Participating Area was proposed. Approval is still pending.

The following Basin Fruitland Coal wells were drilled in 1990:

Carson Unit 7 Well No. 323  
1870' FSL, 1800' FWL  
Sec. 7, T25N, R11W

Carson Unit 10 Well No. 323  
1300' FSL, 1340' FWL  
Sec. 10, T25N, R12W

Carson Unit 10 Well No. 332  
1990' FNL, 1650' FEL  
Sec. 10, T25N, R12W

Carson Unit 11 Well No. 313  
1340' FSL, 985' FWL  
Sec. 11, T25N, R12W

Carson Unit 11 Well No. 332  
1700' FNL, 1700' FEL  
Sec. 11, T25N, R12W

Carson Unit 12 Well No. 314  
850' FSL, 850' FWL  
Sec. 12, T25N, R12W

Carson Unit 13 Well No. 331  
990' FNL, 1810' FEL  
Sec. 13, T25N, R12W

Carson Unit 14 Well No. 324  
705' FSL, 2080' FWL  
Sec. 14, T25N, R12W

Carson Unit 14 Well No. 332  
1485' FNL, 1665' FEL  
Sec. 14, T25N, R12W

Carson Unit 15 Well No. 323  
1610' FSL, 1560' FWL  
Sec. 15, T25N, R12W

Carson Unit 15 Well No. 342  
2460' FNL, 885' FEL  
Sec. 15, T25N, R12W

Carson Unit 20 Well No. 341  
790' FNL, 790' FEL  
Sec. 20, T25N, R11W

Carson Unit 24 Well No. 332  
1850' FNL, 1850' FEL  
Sec. 24, T25N, R12W

TOTAL UNIT PRODUCTION

GALLUP PARTICIPATING AREA

Oil, Gas and Water Production

Oil, gas and water production during 1990 averaged 1,871  
BOPM, 4,037 MCFM and 10,904 BWPM, respectively.

Cumulative Oil, Gas and Water Produced

(Unitization through December 1990)

Cumulative Oil Produced - 7,791,106 bbls.

Cumulative Water Produced - 11,824,106 bbls.

Cumulative Gas Produced - 15,330,142 MCF.

Plan of Development  
Carson Unit  
San Juan County, New Mexico  
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WAW FRUITLAND-PC PARTICIPATING AREA

Gas production during 1990 averaged 13,233 MCFM.

PLAN OF DEVELOPMENT

During 1991 it is planned to return three Gallup wells to production and to reactivate four water injection wells. Additionally, Giant Exploration & Production Company proposes to drill 10 Basin Fruitland Coal wells during 1991 (see attached list). The Basin Fruitland Coal Participating Area is planned to be completed, and expanded as wells are added.

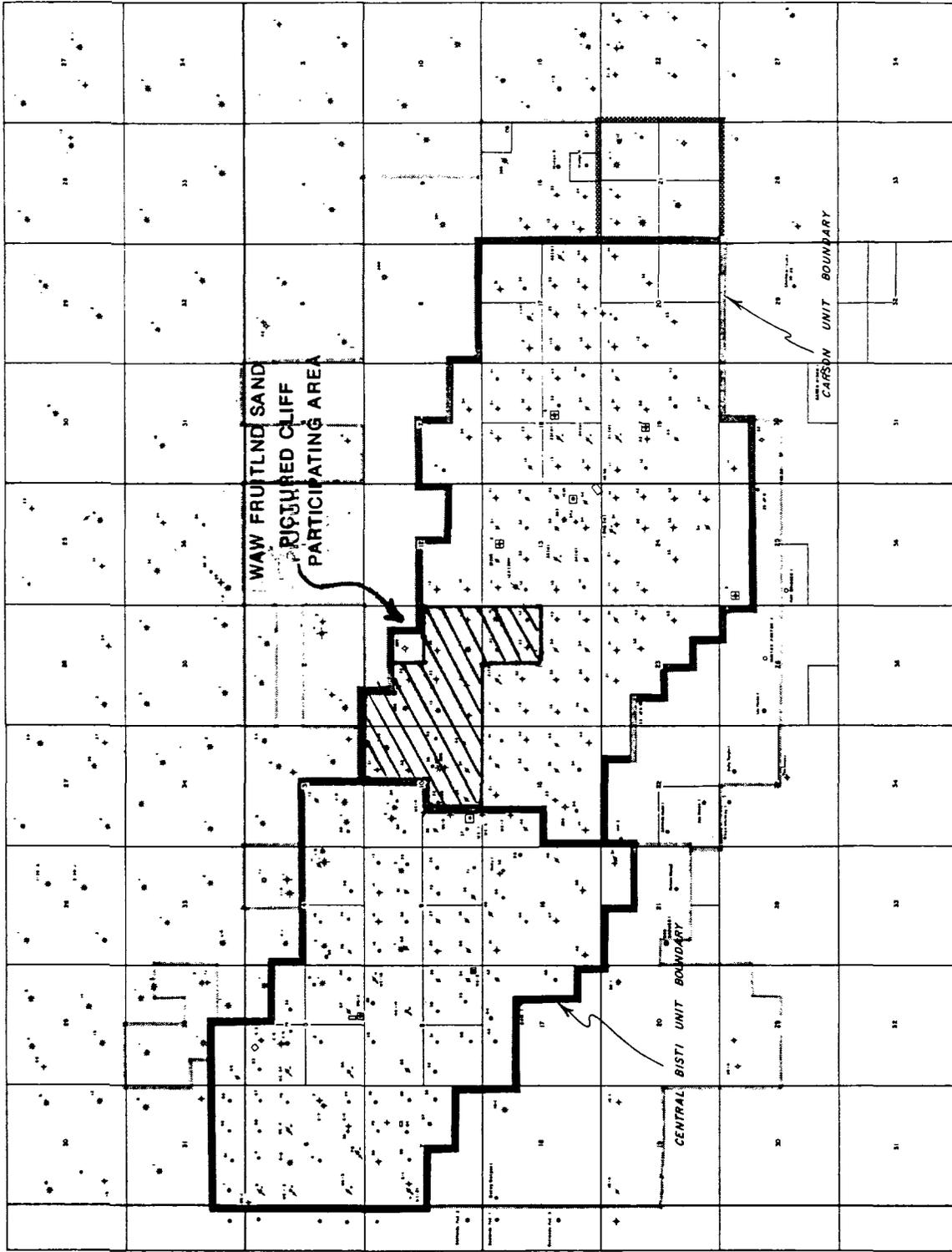
Plan of Development

Approved by: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

R 11 W

R 12 W



T 26 N

T 25 N

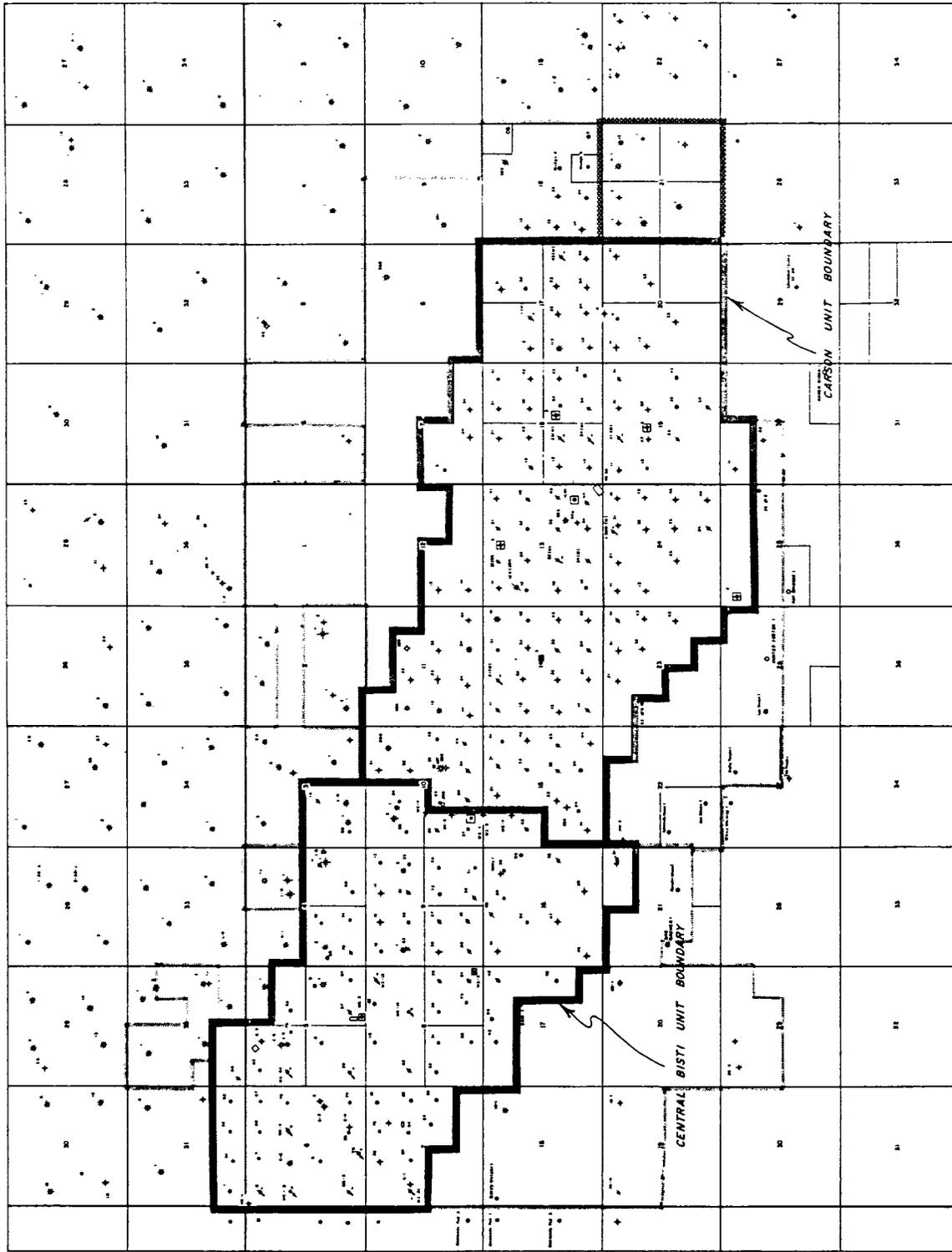
PLATTING JOB OF 1943

HIXON DEVELOPMENT COMPANY  
 CENTRAL BISTI - CARSON UNIT AREA



R 11 W

R 12 W



T 26 N

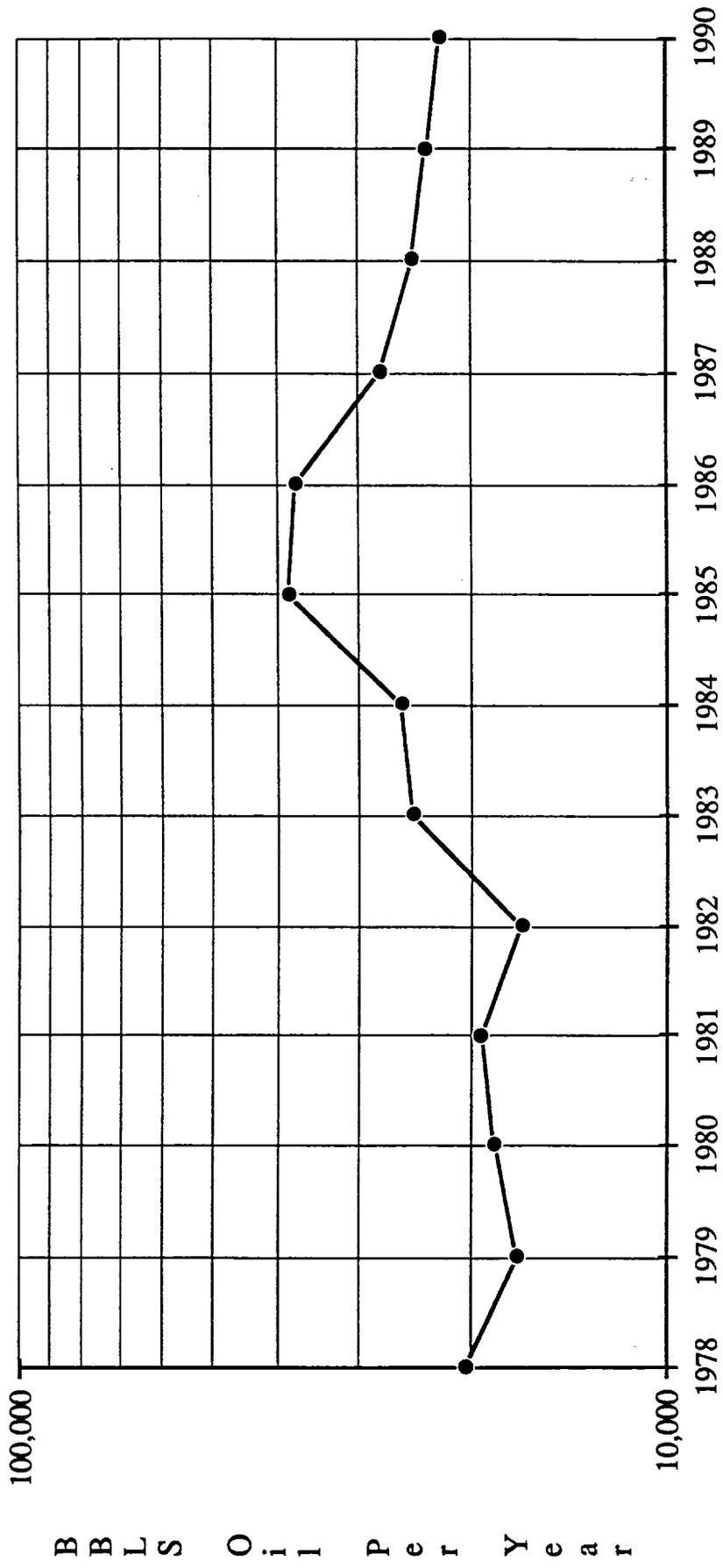
T 25 N

Scale 1" = 1/4 Mile

HIXON DEVELOPMENT COMPANY  
 CENTRAL BISTI - CARSON UNIT AREA

San Juan County, New Mexico  
 1:25,000 Scale

# Carson Unit Yearly Oil Production



**Proposed Carson Unit Fruitland Coal Wells**

Carson Unit 13 No. 313  
1850' FSL and 790' FWL  
Section 13, T25N, R12W

Carson Unit 23 No. 331  
790' FNL and 1850' FEL  
Section 23, T25N, R12W

Carson Unit 24 No. 324  
790' FSL and 1850' FWL  
Section 24, T25N, R12W

Carson Unit 25 No. 341  
790' FNL and 790' FEL  
Section 25, T25N, R12W

Carson Unit 18 No. 314  
1030' FSL and 1060' FWL  
Section 18, T25N, R11W

Carson Unit 18 No. 331  
800' FNL and 1730' FEL  
Section 18, T25N, R11W

Carson Unit 19 No. 332  
1745' FNL and 1785' FEL  
Section 19, T25N, R11W

Carson Unit 17 No. 324  
790' FSL and 1850' FWL  
Section 17, T25N, R11W

Carson Unit 20 No. 323  
1905' FSL and 1720' FWL  
Section 20, T25N, R11W

Carson Unit 17 No. 342  
1850' FNL and 790' FEL  
Section 17, T25N, R11W