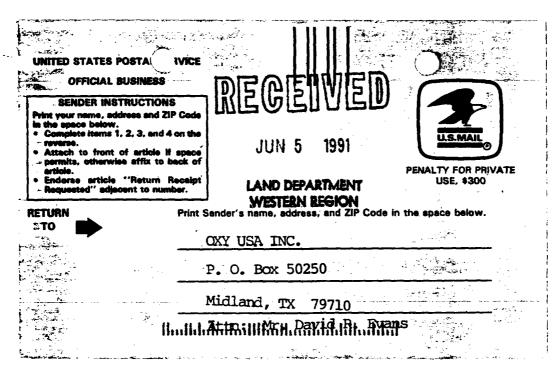
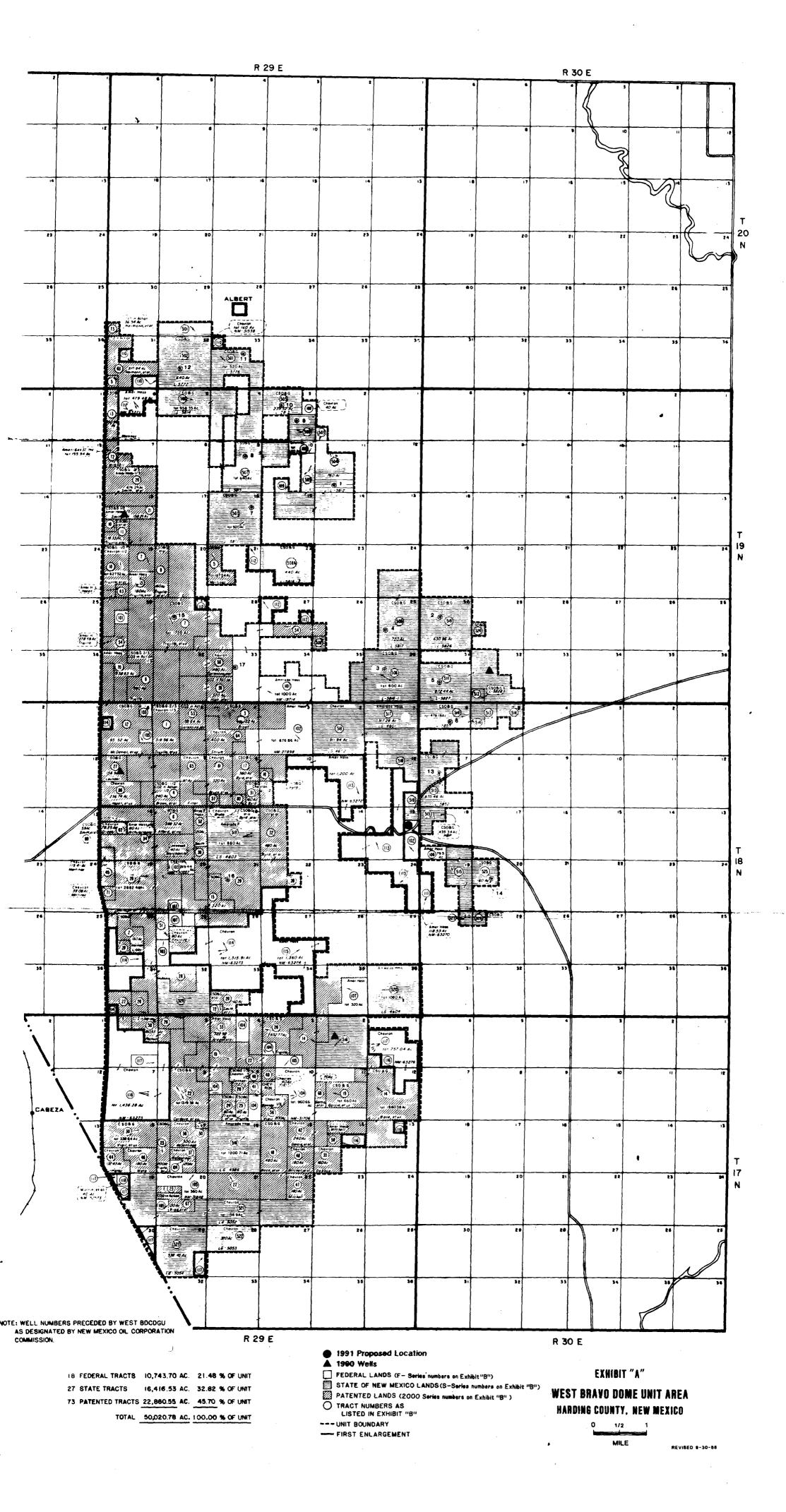
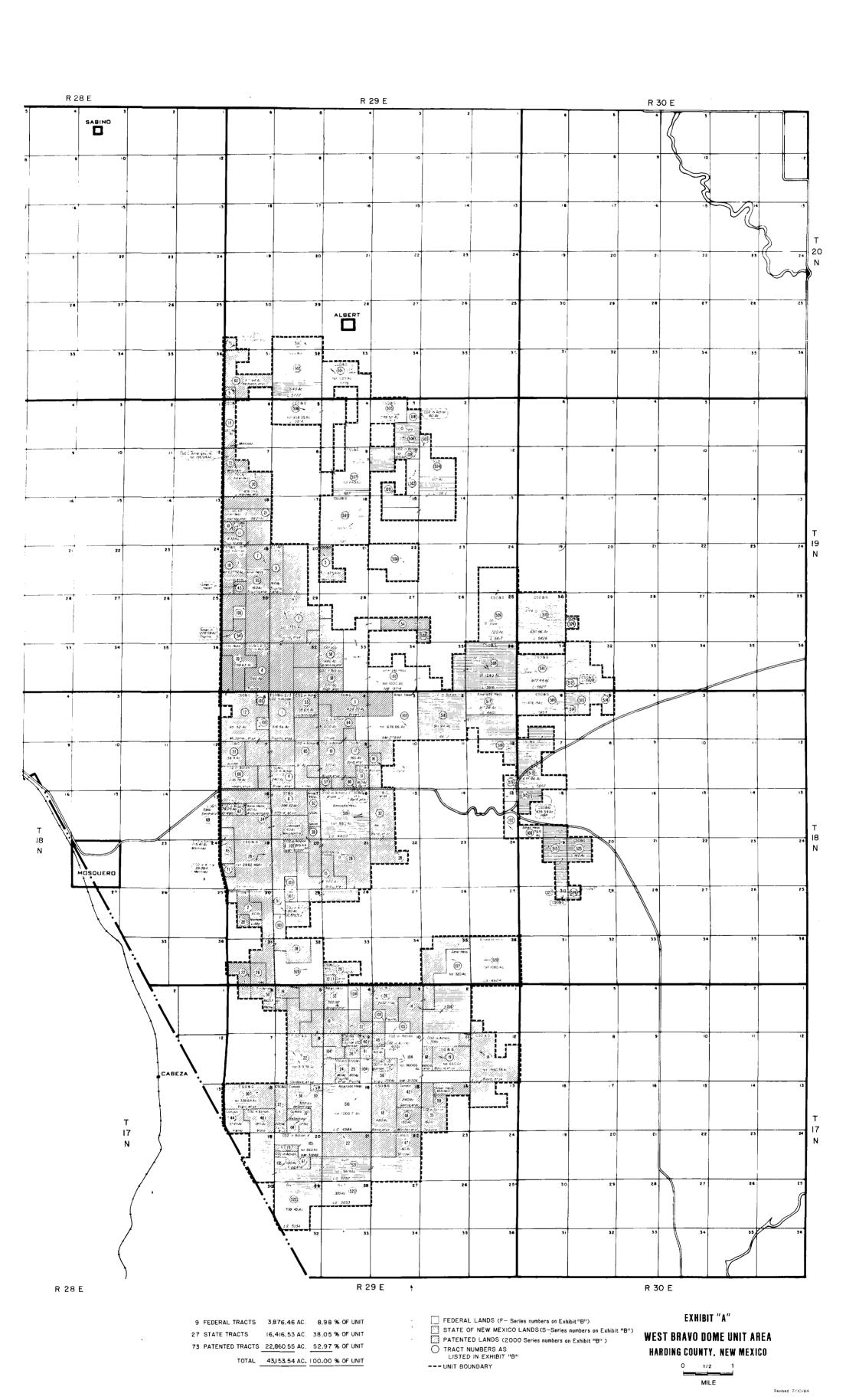
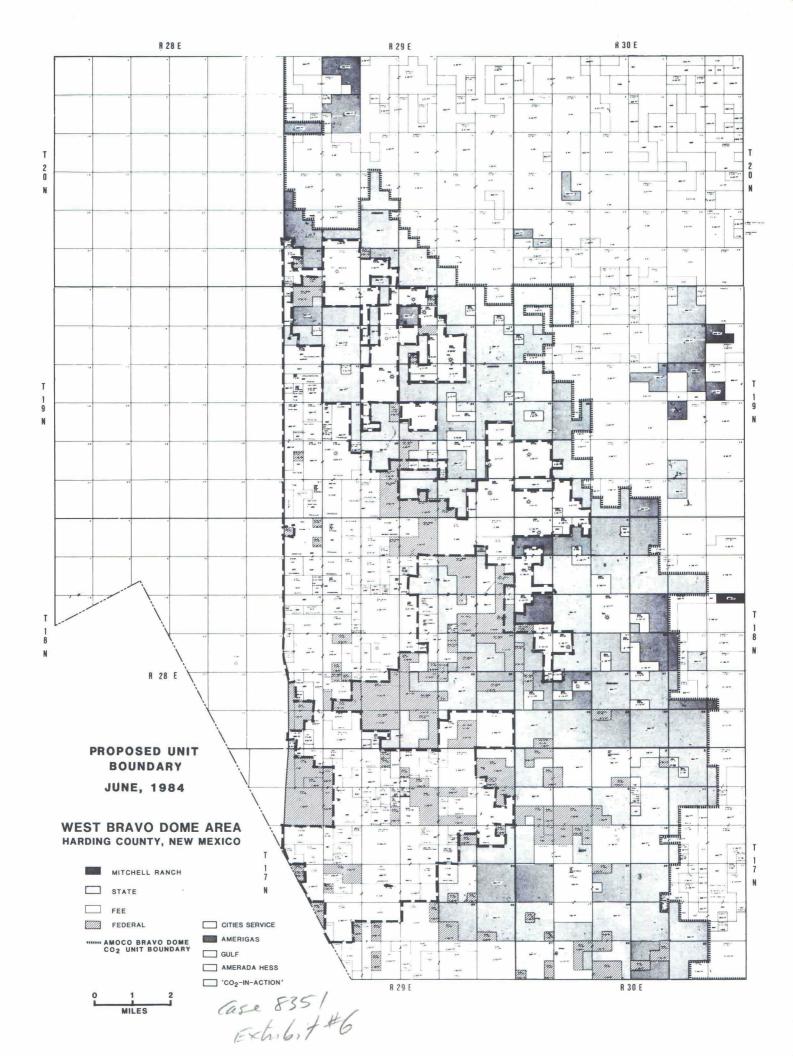


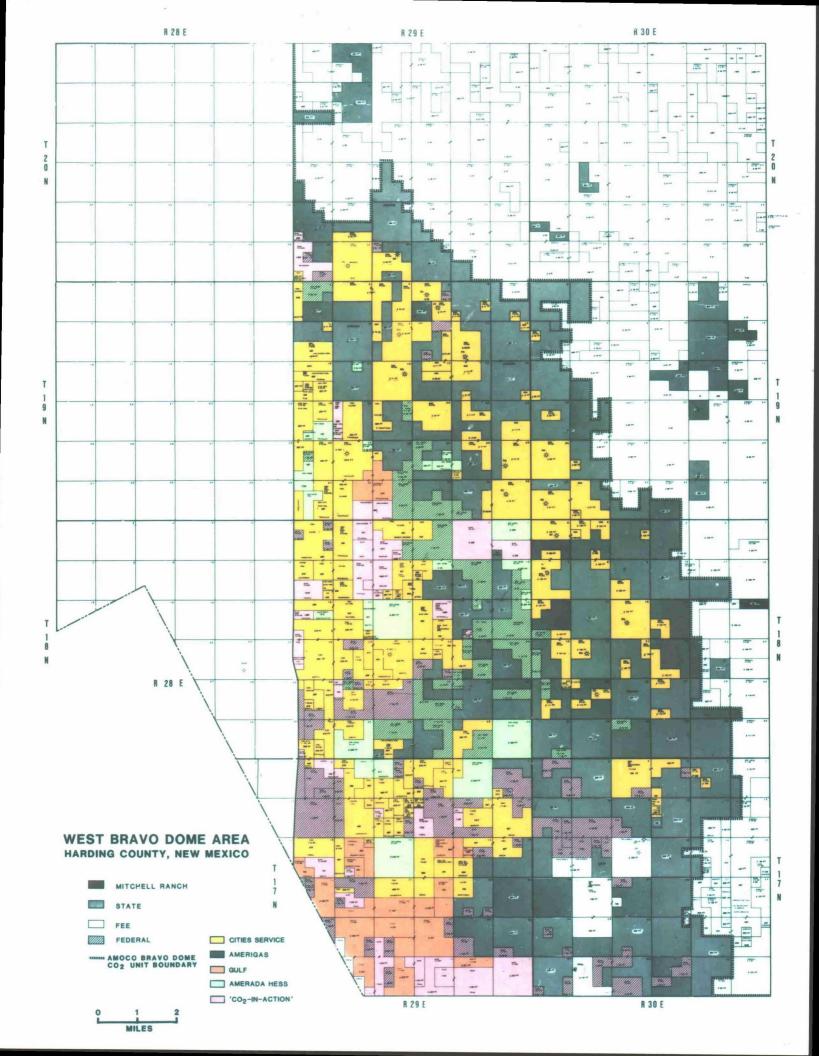
SENDER: Complete items 1 and 2 when additional 3 and 4. Put your address > "RETURN TO" Space on the reverse card from being retuined to you. The return receipt fee will to and the date of delivery. For additional fees the following for fees and check box(es) for additional service(s) requests. 1. Show to whom delivered, date, and addressee's acceptable of the property of the p	orse side. Failure in this will prevent this provide you the name of the person delivered g services are available. Consult postmaster
3. Article Addressed to: State of New Mexico	4. Article Number P 125 011 370
Energy & Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501	Type of Service: Registered Insured Certified COD Express Mail Return Receipt for Merchandise
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature – Address	8. Addressee's Address (ONLY if requested and fee paid)
6: Signature - Agent	THE NAME OF
7. Date of Delivery	
P8 Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-	-865 DOMESTIC RETURN RECEIPT











BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

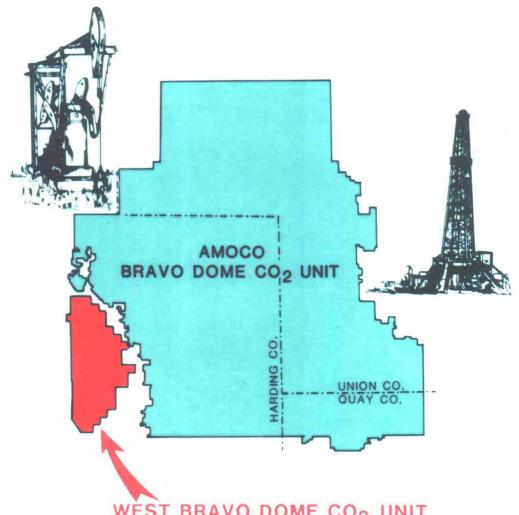
Case No. Exhibit No.

Submitted by CTL

Hearing Date 9/24/84

WEST BRAVO DOME CO2 UNIT

HARDING COUNTY, NEW MEXICO



WEST BRAVO DOME CO2 UNIT



CITIES SERVICE OIL and GAS CORPORATION

> SOUTHWEST REGION MIDLAND, TEXAS

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Santa Fe, New Mexico

Submitted by <u>&</u>

GENERAL OVERVIEW

The proposed West Bravo Dome Unit, Harding County, New Mexico (Attachment 1), to be operated by Cities Service Oil and Gas Corporation, is composed of an area taken from the southwest corner of the original area proposed by Amoco for their Bravo Dome Unit. This area failed to qualify for the Bravo Dome Unit when the Mitchell Ranch elected not to participate. The Unit Area consists of 43,154 acres, including nine (9) federal tracts (8.98%), twenty-seven (27) state tracts (38.05%), and seventy-three (73) patented tracts (52.97%). There are five working interest owners and over one- hundred royalty owners. Recoverable reserves are estimated at 197 billion cubic feet of carbon dioxide.

Cities Service plans to develop the entire area and produce 50 million cubic feet per day CO2, which will be transported south by existing pipelines or pipelines to be constructed to the Permian Basin for use in enhanced recovery projects (Attachment 2). Initial production is planned in early 1986.

ENVIRONMENTAL PRESERVATION

Cities Service has drilled sixteen (16) wells in the proposed West Bravo Dome Carbon Dioxide Unit, and as a result of this, actively maintains an excellent rapport with land owners in the area. Cities is pledged to protecting the environment and will abide by the rules, procedures and requirements of all regulatory agencies as well as maintaining our fine relationship with land owners.

GEOLOGY

Carbon dioxide is produced from the Permian aged Tubb Formation at Bravo Dome. The Tubb Formation is encountered at a depth of 2000' at a subsurface elevation of 2500' above sea level in the West Bravo Dome Area. The formation's southeast dip is apparent on the structure map of the top of the Tubb Sandstone, included as Attachment 3. The maximum net pay thickness in the West Bravo Dome Area is approximately 50'. A thickening in the eastern portion of the proposed Unit results from Tubb deposition in a northwest-southeast trending paleo-valley in the surface of the underlying granite. Other major features of the Tubb Sandstone include a thinning of net pay to the northwest, resulting from a thinning in gross interval thickness, and a thinning in net pay to the southeast, resulting from the presence of the gas-water contact. The cross-sections, included as Attachments 5, 6, 7 and 8, show these features more clearly. In addition, the CO2-In-Action George Trujillo No. 1 included in Attachment 7 shows that shale has replaced sand deposition west of the proposed Unit. The thinning to the northwest, the facies change to the west, and the gas-water contact to the south form the reservoir boundaries of the Tubb Sandstone.

The Tubb Sandstone was deposited on the granite basement or a granite wash by streams transporting sediment from the Sierra Grande uplift to the Palo Duro Basin. The description of the core from Cities Service "DS" #1 is typical of fluvial

deposition. The lowermost conglomerates and conglomeritic sandstones are representative of an alluvial fan - braided stream environment. The overlying sandstone sequence indicates a transition to a meandering stream environment. The uppermost shaley sandstone and limey sandstone is typical of an intertidal region. This sequence of events is illustrated in Attachment 9. The Tubb Sandstone is overlain by the Cimarron Formation, a 20' thick anhydrite deposited uniformly over the Bravo Dome Area, sealing the carbon dioxide reserves below. The formation sequence and an expanded section of the Tubb Formation of the proposed Unit type log from Cities Service State "DC" No. 1 are included as Attachments 10 and 11.

Net pay porosity averages 18% in the wells of the West Bravo Dome Area. The cut-offs used to determine net pay are 12% porosity and 60% water saturation. The average core permeability of the productive intervals of the Cities Service State "DS" No. 1 is 13.2 md.

UNIT DEVELOPMENT

Development of the West Bravo Dome Carbon Dioxide Unit will consist of drilling fifty (50) wells on 640-acre spacing, gathering carbon dioxide from these wells and processing and compressing carbon dioxide for delivery to a transportation pipeline. Seventeen (17) existing wells within the unit boundaries

will also be tied into the gathering system. The \$27.50 million (MM) development program is expected to be approved by Unit working interest owners in the near future and will be commenced in early 1985 and completed in late 1986 (reference Attachment Nos. 12 and 13). The initial CO2 production rate will be 34.2 MMCFD and is projected to reach a peak rate of 50 MMCFD in 1987 (reference Attachment Nos. 14 and 15).

The gathering system designed for the Unit is based on a compressor suction pressure of 150 PSIG and an average water production rate of 1 barrel per MMCFD. This gathering system will utilize seventeen (17) existing wells and fifty (50) new wells in the Unit for a total deliverability rate of approximately 50 MMCFD. An equivalent of 70.0 miles of line ranging from 4" to 24" in diameter will be utilized to complete the gathering system (reference Attachment No. 16).

The compression/dehydration system will consist of three stages of compression with a triethyleneglycol (T.E.G.) dehydration system between the second and third compression stages. Compression will be provided by two 5000 horsepower (HP) compressors. Compression requirements are considered substantial due to the low bottom hole pressure (500-600 PSI). CO2 gas will be compressed from 150 PSIG to 2400 PSIG at 1200F in order to enter a pressure window in Amoco's Bravo Dome Pipeline via 16 mile 16" trunkline.

Power requirements to operate the compressors and auxiliary processing equipment will be met by accessing a high voltage transmission line near the Amoco Bravo Dome CO2 Unit. An electrical substation will be constructed on the West Bravo Dome Unit processing site to transform the high line voltage to a usable voltage.

DRILLING OPERATIONS

Drilling operations within the West Bravo Dome CO2 Unit will consist of using prudent competitive drilling contractors and efficient supervision to minimize costs and time needed to develop the Unit. Common difficulties in drilling wells in the Unit have been drill stem sticking in the major shale section above the Santa Rosa and lost circulation in the porosity zones of lower San Andres and the Glorieta. Initially, a surface hole will be drilled with fresh water to a depth of '700' where surface casing will be cemented. A KCl system will then be used to drill out below the surface casing to the top of the Tubb at '1950' where it will be mudded up to establish the required mud properties to minimize formation damage. This KCl mud system will generally exhibit a weight of 9.0 - 9.3 PPG, viscosity of 30-35 centipoise and fluid loss of 5-10 cc.

INITIAL COMPLETIONS

A typical completion for West Bravo Dome Unit wells will consist of perforating underbalanced with 2 jet shots per foot and acidizing with a CO2-HCl system.

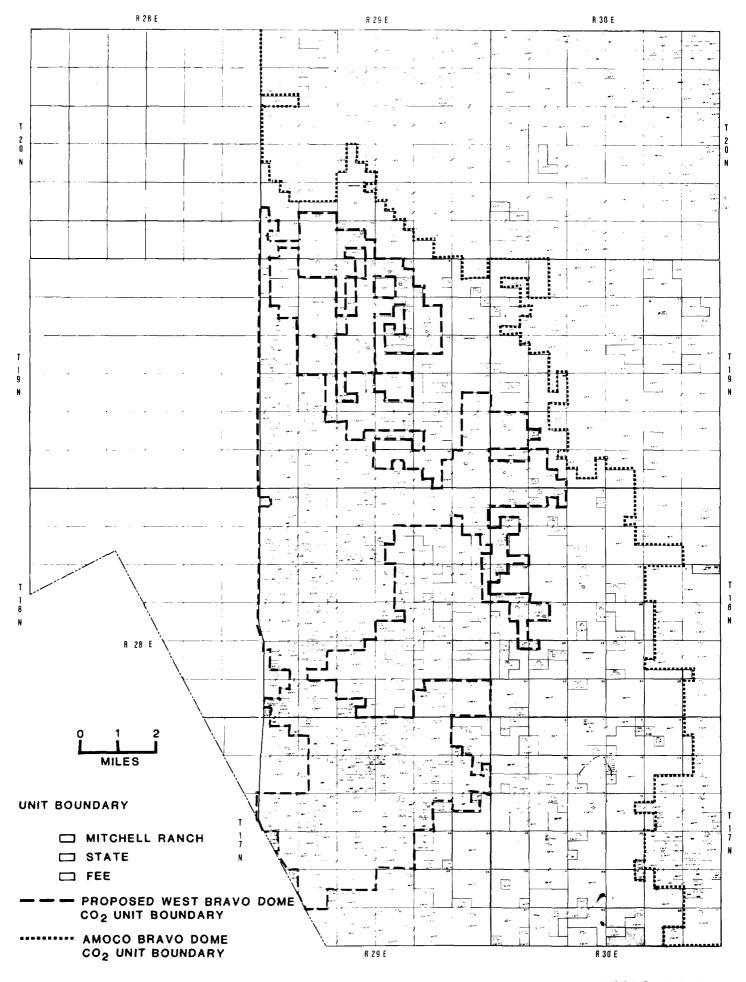
The downhole equipment will consist of plastic coated tubing with a packer set +100' above the perforations. The annulus above the packer will be filled with a non-corrosive packer fluid to protect the external side of the tubing and the inside of the casing. A sketch of a typical completion is included as Attachment No. 17. The wellhead equipment will be designed to facilitate automatic gas measurement and control to allow additional well testing with portable equipment.

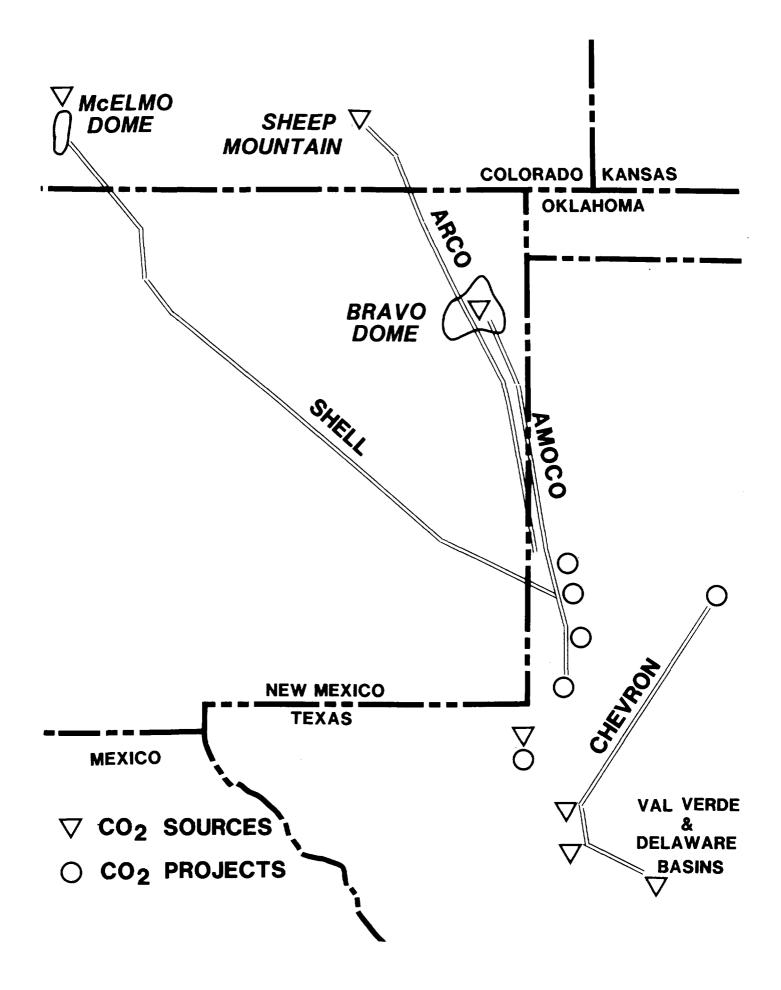
AUTOMATION/WELL TESTING

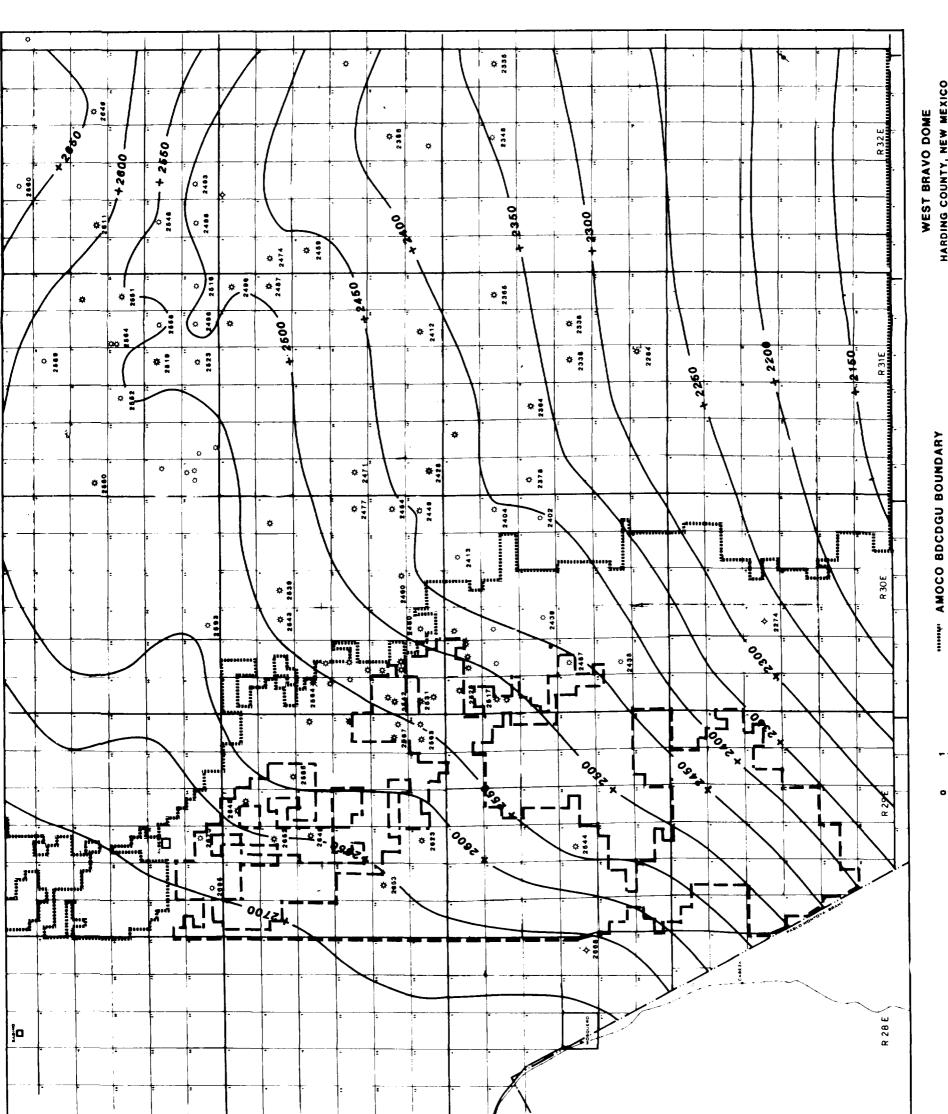
The West Bravo Dome Unit wells will be monitored using State of the Art electronic measurement and telemetry equipment. CO2 production from each well will be measured continuously by transmitting pressure and temperature data from the wellhead metering point to a field computer located at the plant site. The computer itself will calculate and store production rates and cumulative total production for each well.

The same telemetry used to monitor production will be used to open and/or shut-in wells as needs dictate. Pressure sensors will also be monitored by the same system. This will allow for early detection of leaks in downhole equipment and the gathering system.

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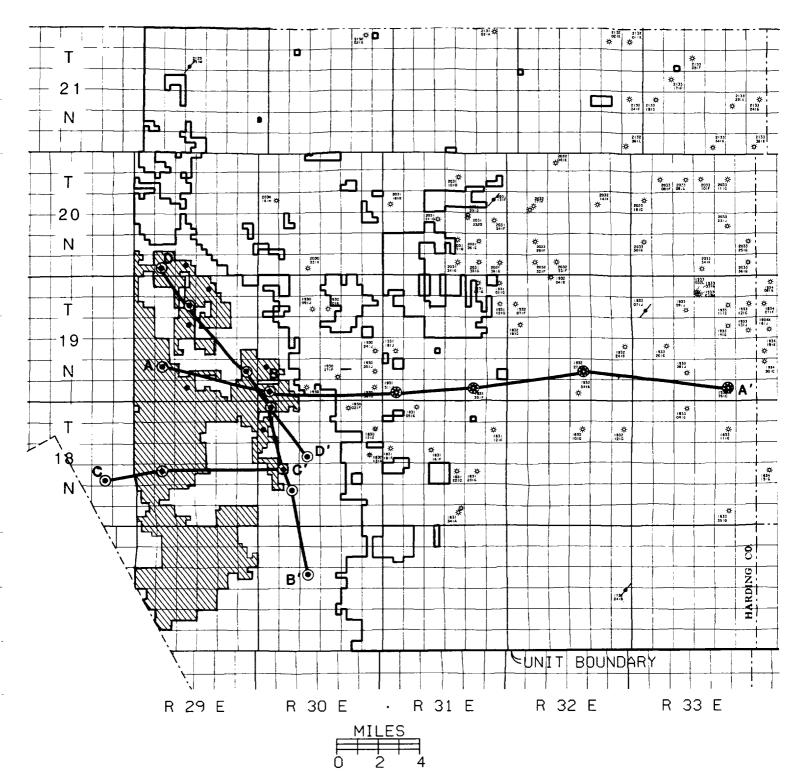
HARDING COUNTY, NEW MEXICO TOP OF TUBB SANDSTONE STRUCTURE MAP WEST BRAVO DOME

PROPOSED WEST BRAVO DOME CO 2 UNIT BOUNDARY

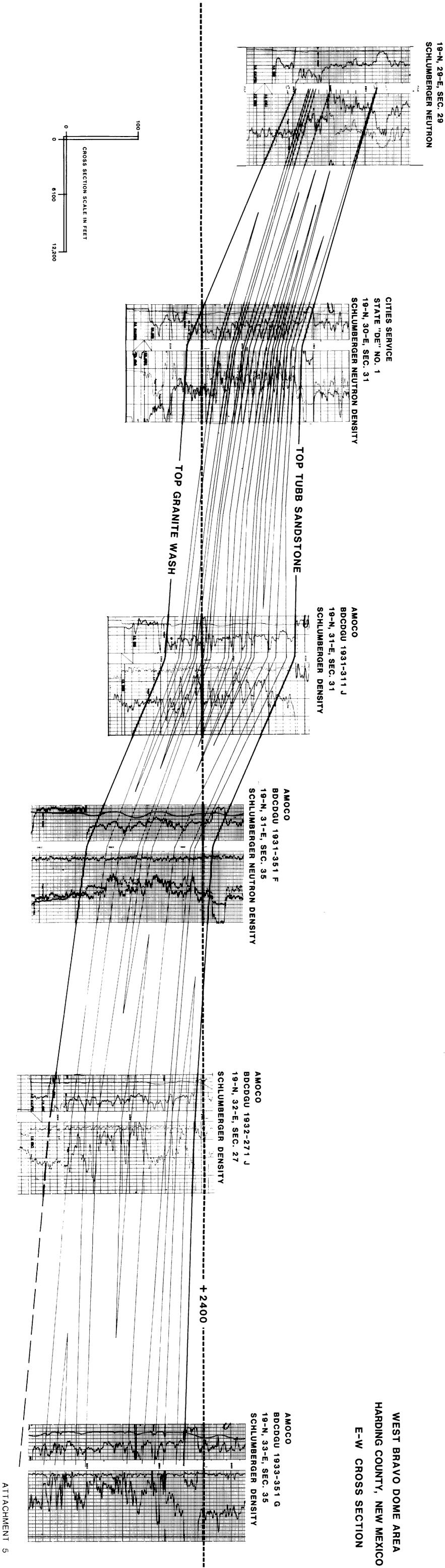
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GEOL: R. EGG DATE: SEPT., 1984



CROSS SECTION LOCATOR MAP
WEST BRAVO DOME AREA
HARDING COUNTY, NEW MEXICO

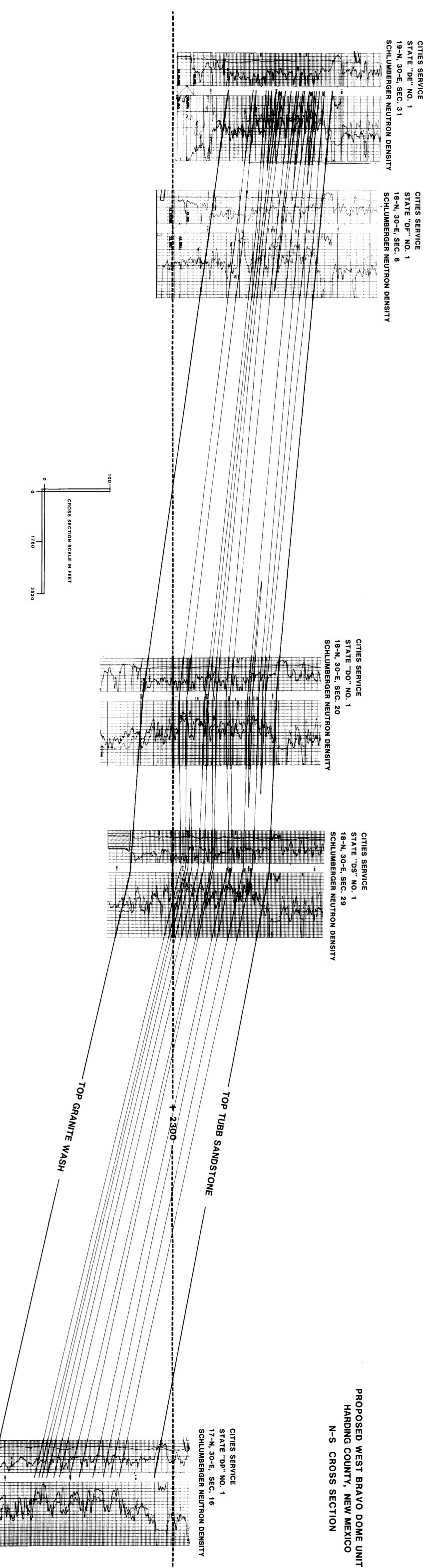


WEST BRAVO DOME AREA

CITIES SERVICE

TRUJILLO "A" NO. 1





ATTACHMENT 6

CO₂ IN ACTION
GEORGE TRUJILLO NO. 1
18-N, 28-E, SEC. 23
SCHLUMBERGER NEUTRON DENSITY

CITIES SERVICE SMITH "A" NO. 1 18-N, 29-E, SEC. 21 SCHLUMBERGER NEUTRON DENSITY

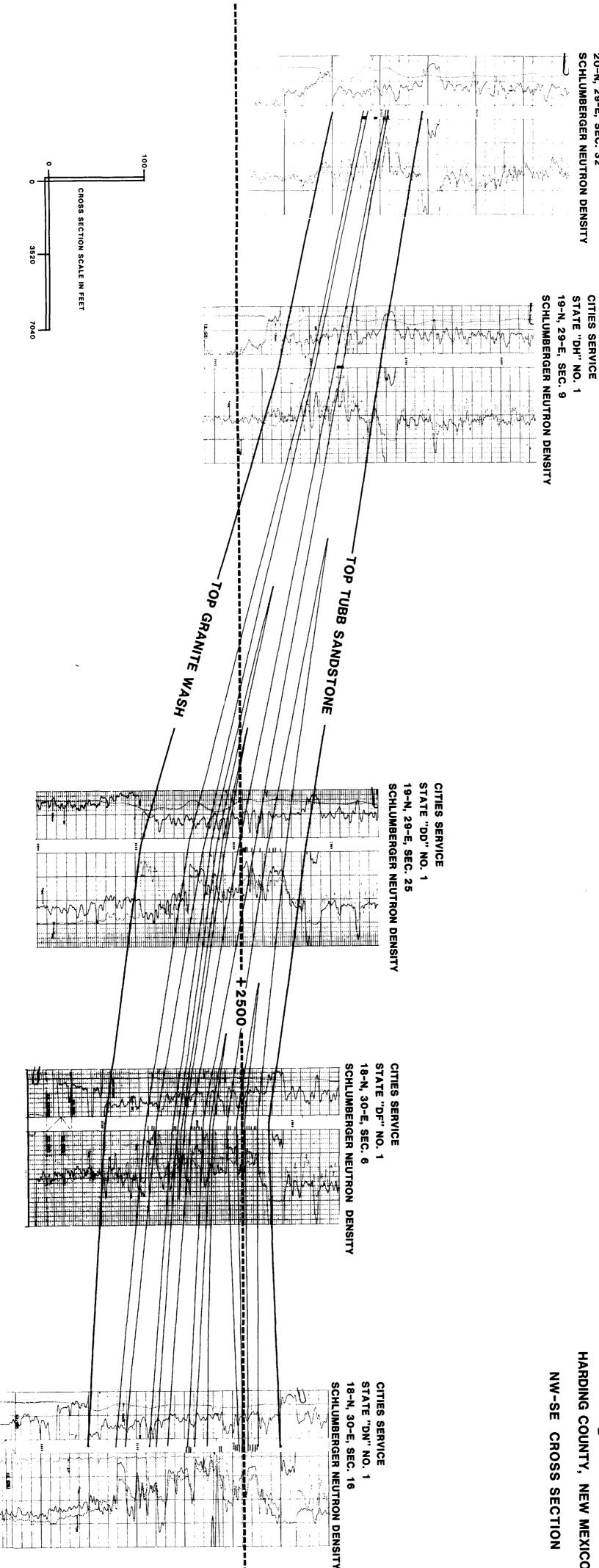
CROSS SECTION SCALE IN FEET TOP TUBB SANDSTONE _ 3520 TOP GRANITE WASH 7040 2500' SCHLUMBERGER NEUTRON DENSITY CITIES SERVICE STATE "DO" NO. 1 18-N, 30-E, SEC. 20

ATTACHMENT 7

100

WEST BRAVO DOME AREA
HARDING COUNTY, NEW MEXICO

E-W CROSS SECTION



ATTACHMENT 8

PROPOSED WEST BRAVO DOME CO2 GAS UNIT

HARDING COUNTY, NEW MEXICO

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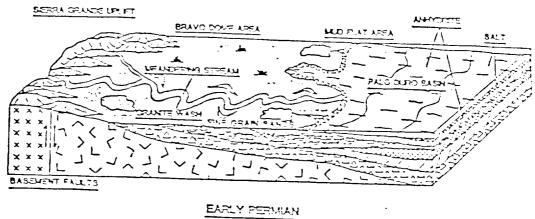
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CITIES SERVICE STATE "DL" NO. 1

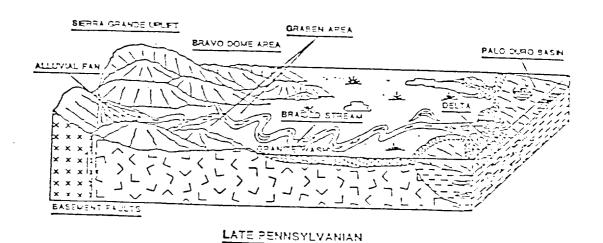
SCHLUMBERGER NEUTRON DENSITY

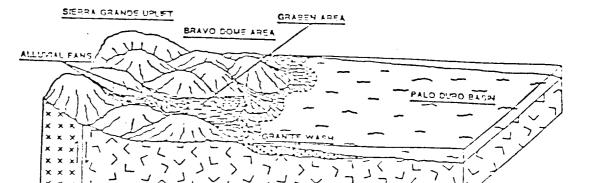
20-N, 29-E, SEC. 32

PALEOGEOGRAPHIC RECONSTRUCTION OF BRAVO DOME





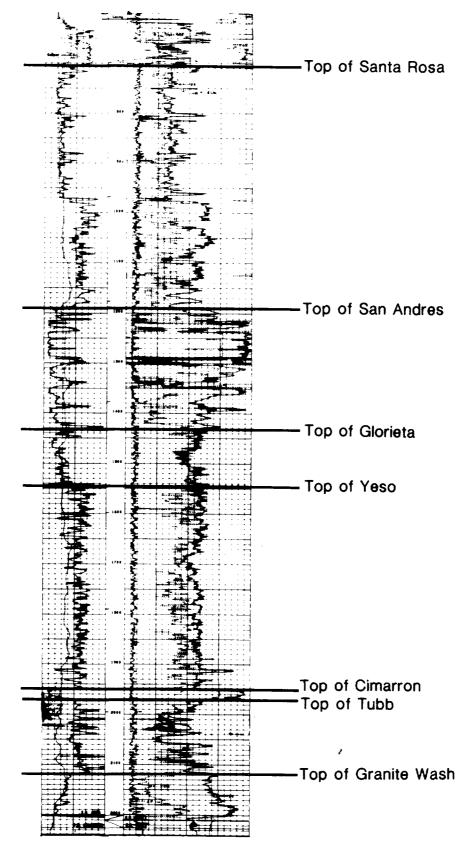




MIDDLE PENNSYLVANIAN

CITIES SERVICE STATE "DC" NO. 1

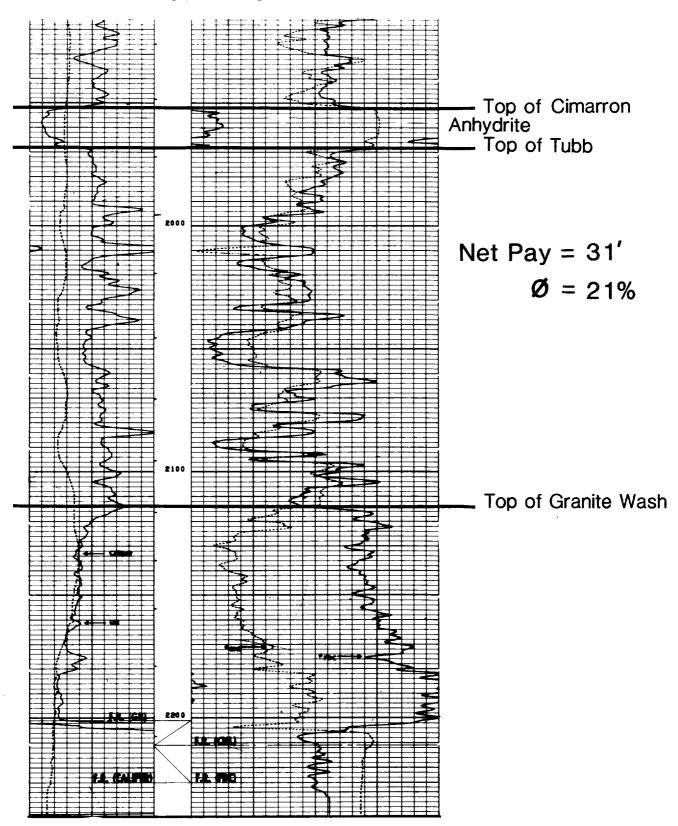
Compensated Neutron-Formation Density Log Type Log

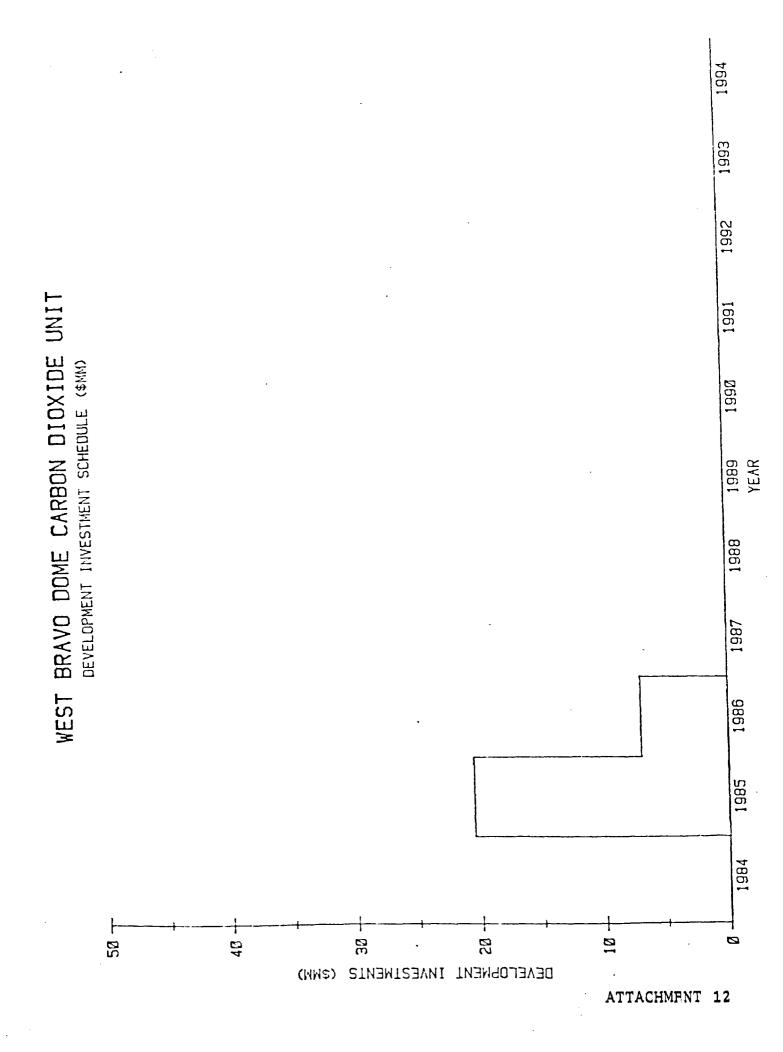


CITIES SERVICE STATE "DC" NO. 1

Tubb Formation

Type Log





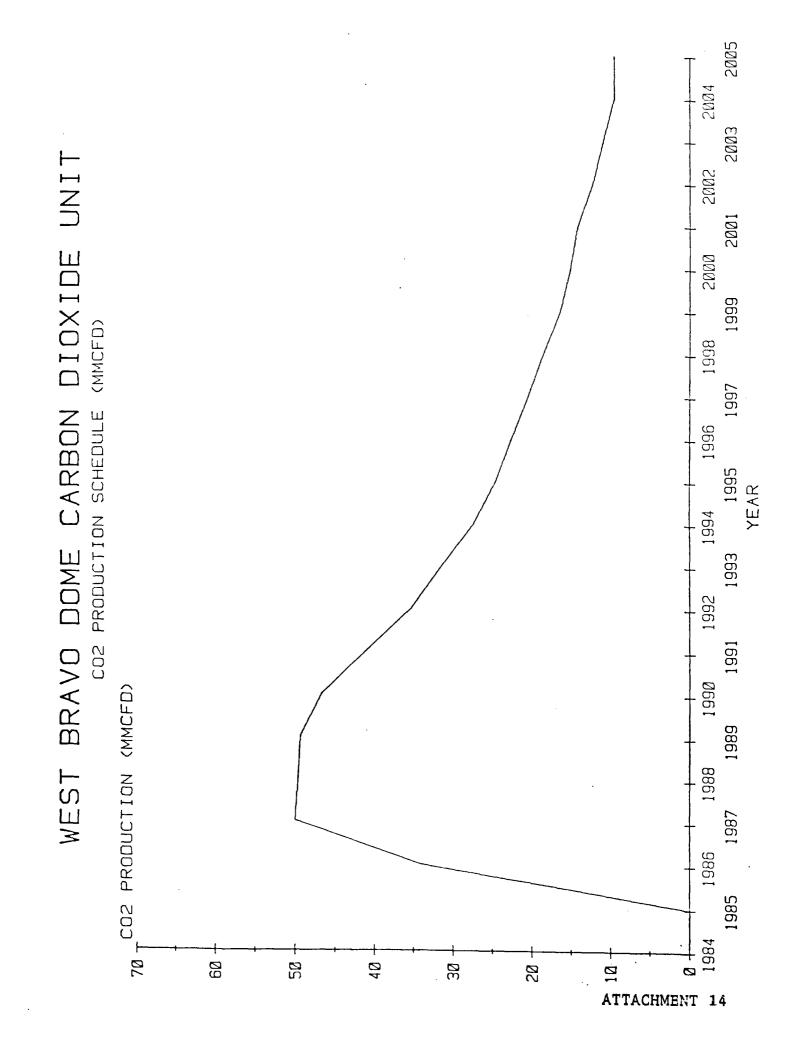
DETAILED INVESTMENT SUMMARY WEST BRAVO DOME CO2 UNIT

DESCRIPTION	\$ M	
	1985	1986
Drill 32 Development Wells	8,000	
Drill 18 Development Wells		4,500
Construct Gathering System	4,500	2,500
Construct Compression and Dehydration Plant	6,000	
Construct 23 Mile CO2 Delivery Line	2,000	
TOTAL INVESTMENT	20,500	7,000

WEST BRAVO DOME CARBON DIOXIDE GAS UNIT INVESTMENTS

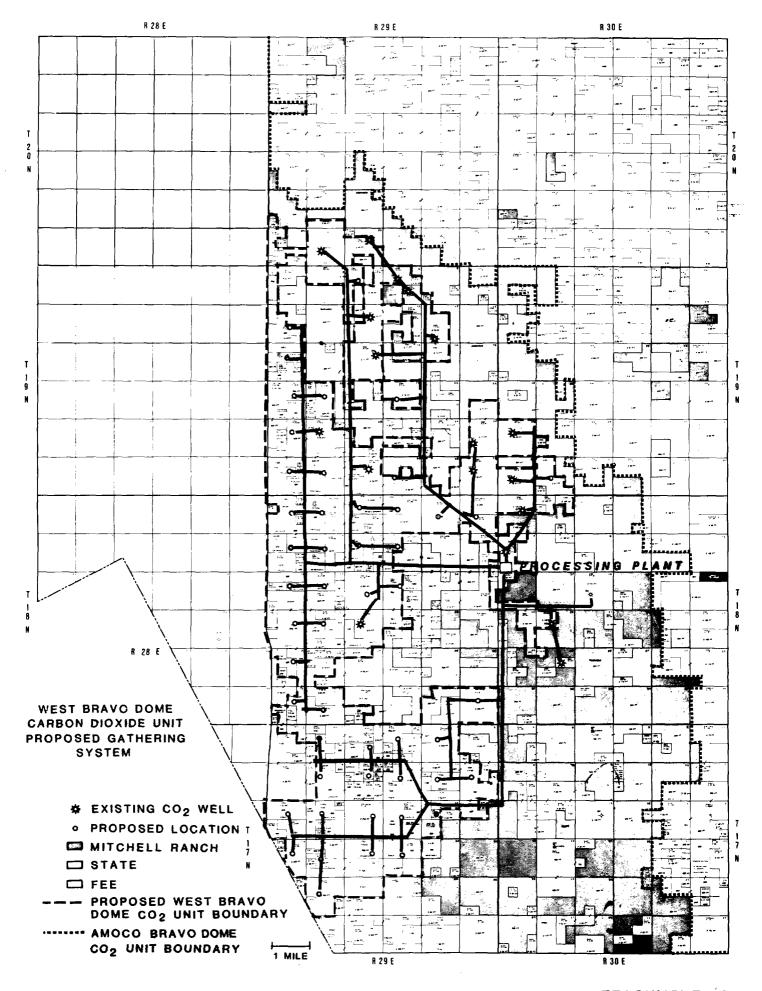
		Estimated Gross Cost (MM\$)
I.	Compression	
	Tangible Costs Compressors Coolers Installation Materials Spare Parts Related Facilities Includes: Dehydrator Meters Separators Flash Gas Compressors Air Compressor Compressor Building V.R.U. Compressor Miscellaneous Piping	1.5 0.4 0.4 0.2 1.5
	Electrical Substation	1.0
	Total Compression Tangible Costs	5.0
	Intangible Costs Compressor Station Construction Electrical Substation Construction Land for Compressor Station Engineering Drawings	0.6 0.2 0.1 0.1
	Total Intangible Compression Cost	1.0
	Total Compression	6.0
II.	Gathering System	
	Tangible Costs Line Pipe (Total 70.0 Miles) 4" - 46,600' 6" - 78,760' 8" - 84,400' 10" - 42,240' 12" - 23,760' 14" - 15,840' 16" - 10,560' 18" - 0' 20" - 57,520' 24" - 10,000'	.200 .600 .900 .400 .400 .250 .200 0.000 .800 .250
	Total Line Pipe	4.000

		Estimated Gross Cost (MM\$)
II.	Gathering System (continued)	
	Wellsite Equipment Wellsite Automation Equipment Primary Automation Equipment Field Communications	.250 .100 .150 .100
	Total Gathering Tangible Costs	4.600
	Intangible Costs	
	Line Pipe Installation Well Equipment Installation Primary Automation Installation Field Communication Installation Right-of-Way and Damages	1.250 .250 .100 .100
	Total Gathering Intangible Cost	2.400
	Total Gathering System	7.000
	TOTAL GATHERING AND COMPRESSION	13.000
III.	Delivery Pipeline	
	Tangible Costs	
	Line Pipe 121,440' 16" Linepipe	1.000
	Intangible Costs	
	Line Pipe Installation Right-of-Way and Damages	0.800 0.2000
	TOTAL DELIVERY PIPELINE	2.0000



TABULATED PRODUCTION SCHEDULE

YEAR	PROD. SCHEDULE (MMCF/YR)
1984	0
1985	0
1986	12,500
1987	18,250
1988	18,100
1989	18,000
1990	17,000
1991	15,000
1992	12,900
1993	11,500
1994	10,000
1995	9,000
1996	8,250
1997	7,500
1998	6,800
1999	6,000
2000	5,500
2001	5,200
2002	4,500
2003	4,000
2004	3,500
2005	3,500
TOTAL	197,000

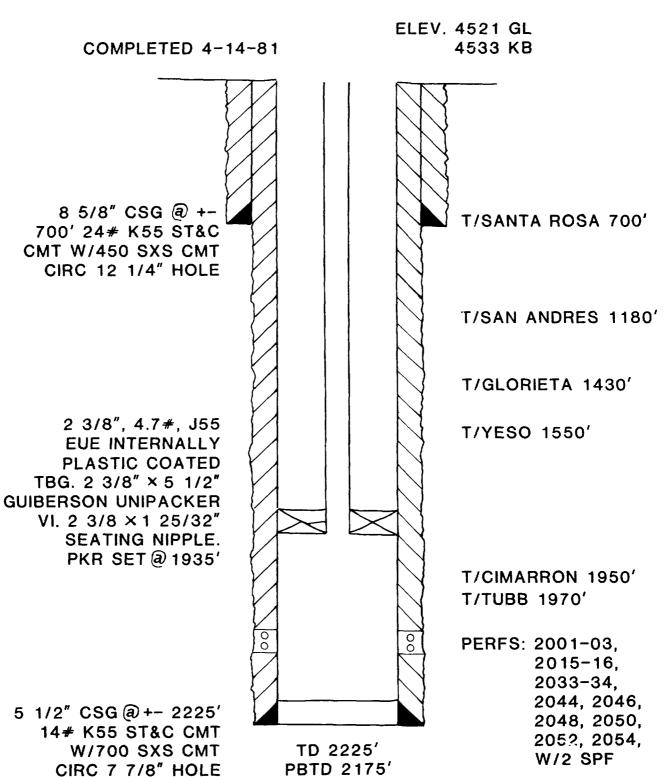


TYPICAL WELLBORE DIAGRAM

WEST BRAVO DOME CO, UNIT

STATE DC NO. 1

HARDING COUNTY, NEW MEXICO 1980' FNL AND 1980' FWL, SEC. 36-T19N-R29E



UNIT AGREEMENT

FOR THE DEVELOPMENT AND OPERATION OF THE WEST BRAVO DOME CARBON DIOXIDE GAS UNIT

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 2351 Exhibit No. 2
Submitted by Cires

Hearing Date 9/26/84

HARDING COUNTY, NEW MEXICO



United States Department of the Interior

BUREAU OF LAND MANAGEMENT ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W. P.O. Box 6770 Albuquerque, New Mexico 87197-6770

AUG 28 1984

Cities Service Oil and Gas Corporation Attention: Mr. Charles E. Creekmore P.O. Box 300 Tulsa, OK 74102

Gentlemen:

We have received five copies of the proposed form of unit agreement for the West Bravo Dome Carbon Dioxide Gas Unit. In view of the small percentage of Federal lands (8.98%), designation of this unit by the Bureau of Land Management is not required. This unit will be treated as a non-federal control unit, and normal Federal supervision will be maintained only over the Federal leases involved. Four copies of the unit agreement with appropriate collateral material should be filed with this office after final approval thereof by the New Mexico Oil Conservation Division and performance of all requirements necessary to establish the effective date.

Notwithstanding the above procedure, we would appreciate being kept informed of your progress towards unitization of the area and of the docket dates arranged for the New Mexico Oil Conservation Division hearing.

We are also returning three extra copies of the proposed form of unit agreement.

Sincerely yours,

L. Paul Applegate
District Manager

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Case No. 83/5 Exhibit No. 11

Submitted by Civies

Hearing Date 9/26/84



CITIES SERVICE OIL AND GAS CORPORATION P.O. BOX 300 TULSA, OKLAHOMA 74102

September 19, 1984

AmeriGas Carbon Dioxide Division Suite 1100 4455 LBJ Freeway Dallas, Texas 75234

ATTN: Mr. W. P. Heckel, Jr.

Re: West Bravo Dome CO₂ Gas Unit Harding County, New Mexico

Gentlemen:

Please be advised that on Wednesday, September 12, 1984, I contacted your Lessor, Mr. Albert Mitchell of T. E. Mitchell and Son, Inc., in reference to his execution of the Ratification to the West Bravo Dome CO₂ Gas Unit. Mr. Mitchell stated that he was in favor of the Unit as far as the 160 acres we have set out and placed in the Unit under Tract 2072. At that time, Mr. Mitchell informed me the only thing keeping him from executing the Ratification was that he had not received the Segregation of Lease instruments from your company.

Would you please look into this matter, and if there is anything we can do to assist you in expediting his receipt of these instruments, please let us know.

Yours very truly,

Charles E. Creekmore

Tarles E. Crus

Land Unitization and Acquisitions

CEC/gw

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 8315 Exhibit No. 10
Submitted by Cives



February 24, 1984

Mr. Eugene F. Motter Engineering Manager Cities Service Company Box 1919 Midland, TX 79702

Re: Proposed West Bravo Dome Unit

Dear Mr. Motter:

We have carefully reviewed, both internally and with our lessor, the extent of our participation in your proposed West Bravo Dome Unit as described in the draft documents you sent to us most recently on February 3, 1984.

We have concluded that we wish to participate with no more than a 160 acre tract. Please let us know which of our 160 acre tracts you would prefer to include and we will advise.

We appreciate all you have done to keep us informed regarding this proposal, and wish you success in implementing it.

Sincerely yours,

W. P. Heckel, Jr

Vice President and General Manager

WPH/tgl

cc Albert J. Mitchell William Kerr Walter F. X. Healy BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Case No. 8315 Exhibit No. _

Submitted by cifes

Hearing Date 9/26/84

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
WEST BRAVO DOME CARBON DIOXIDE GAS UNIT
HARDING COUNTY, NEW MEXICO

UNIT AGREEMENT

FOR THE DEVELOPMENT AND OPERATION OF THE WEST BRAVO DOME CARBON DIOXIDE GAS UNIT HARDING COUNTY, NEW MEXICO

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Exhibit C		
Exhibit D		

UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE WEST BRAVO DOME CARBON DIOXIDE GAS UNIT HARDING COUNTY, NEW MEXICO THIS AGREEMENT, entered into as of the first day of September, 1983, by and between the parties who have signed the original of this instrument, a counterpart hereof, or other instrument agreeing to become a party hereto; WITNESSETH, THAT: WHEREAS, it is necessary to establish the WEST BRAVO DOME CARBON DIOXIDE GAS UNIT in order to prevent waste, promote conservation, provide orderly development, and increase the ultimate recovery of Unit-ized Substances, and in order to protect the correlative rights of the parties hereto and afford to each of the parties hereto such party's fair and equitable share of Unitized Substances, and it is deemed in the public interest and for the mutual benefit of the parties hereto that the Unit Area be developed and operated as though it were a single lease; and WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Chapter 19, Article 10, Section 45, New Mexico Statutes 1978 Annotated) to consent to and/or approve this agreement on behalf of the State of New Mexico insofar as it covers and includes lands and mineral interests of the State of New Mexico: and WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Chapter 19, Article 10, Section 4, New Mexico Statutes 1978 Annotated) to amend with the approval of the lessee any oil and gas lease embracing State lands so that the length of the term of said lease will coincide with the terms of this agreement; and WHEREAS, the Oil an Gas Conservation Division of the State of New Mexico is authorized by an Act of the Legislature (Chapter 70, Article 2, Section 17, New Mexico Statutes 1978 Annotated) to approve this agreement and the conservation provisions hereof; and WHEREAS, the Mineral Leasing Act of February 25, 1920 41 Stat. 437, as amended, 30 U.S.C. Section 181 et seq., authorizes Federal lessees 52

and their representatives to unite with each other, or jointly or separ-

ately with others in collectively adopting and operating a unit plan of

development or operation of any oil or gas pool, field, or like area, or any part thereof for the purpose of more properly conserving the natural resources thereof whenever determined and certified by the Secretary of the Interior to be necessary or advisable in the public interest; and

WHEREAS, the Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder are accepted and made a part of this Agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this Agreement, or the oil and gas operating regulations of the State of New Mexico in effect as of the date hereof; and as to non-Federal lands, the oil and gas operating regulations in effect as of the Effective Date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of the State of New Mexico, are hereby accepted and made a part of this Agreement;

NOW THEREFORE, in consideration of the premises, of the mutual covenants and agreements herein contained, and of the benefits to be derived herefrom, the parties hereto agree as follows:

ARTICLE 1 DEFINITIONS

As used in this agreement:

- 1.1 <u>Unit Area</u> is the land described by Tracts in Exhibit B and shown on Exhibit A as to which this agreement becomes effective or to which it may be extended as herein provided.
- 1.2 <u>Unitized Formation</u> is the subsurface portion of the Unit Area which includes all of the Tubb formation and is described as follows:

That stratigraphic interval which extends from the base of the "Cimarron Anhydrite Marker," said marker being found at a depth of 1968 feet (Elev. 4521.4', Subsea Datum +2563.4) on the Schlumberger Compensated Neutron-Formation Density Log of the Cities Service Company State "DC" Well No. 1, located 1980' from the North Line and 1980' from the West Line of Section 36, Township 19 North, Range 29 East, NMPM, to the top of the Precambrian Basement, said top being found at a depth of 2114 feet (Subsea Datum +2417.4) on this same log.

1.3

- 1.4 Working Interest is an interest in Unitized Substances by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, the owner of which interest has the exclusive right to search for and produce Carbon Dioxide Gas and is obligated to pay, either in cash or out of production or otherwise, a portion of the Unit Expense; however, Carbon Dioxide Gas Rights that are free of lease or other instrument creating a Working Interest shall be regarded as a Working Interest to the extent of seven-eighths (7/8) thereof and a Royalty Interest to the extent of the remaining one-eighth (1/8) thereof. A Royalty Interest created out of a Working Interest subsequent to the execution of this agreement by the owner of such Working Interest shall continue to be subject to such Working Interest burdens and obligations that are stated in this agreement.
- 1.5 Royalty Interest is a right to or interest in any portion of Unitized Substances or proceeds thereof other than a Working Interest.
- 1.6 <u>Royalty Owner</u> is a party hereto who owns a Royalty Interest.
- 1.7 Working Interest Owner is a party hereto who owns a Working Interest.
- $1.8~\underline{\text{Tract}}$ is the land described as such and given a Tract number in Exhibit B.
- 1.9 <u>Unit Operating Agreement</u> is the agreement entered into by Working Interest Owners, having the same Effective Date as this agreement, entitled "Unit Operating Agreement, West Bravo Dome Carbon Dioxide Gas Unit, Harding County, New Mexico."
- 1.10 <u>Unit Operator</u> is the Working Interest Owner designated by Working Interest Owners under the Unit Operating Agreement to conduct Unit Operations, acting as operator and not as a Working Interest Owner.
- 1.11 <u>Tract Participation</u> is the percentage shown on Exhibit C for allocating Unitized Substances to a Tract.
- 1.12 <u>Unit Participation</u> of a Working Interest Owner is the sum of the percentages obtained by multiplying the Working Interest of such Working Interest Owner in each Tract that qualifies for inclusion within the Unit Area by the Tract Participation of such Tract.

1	1.13 Carbon Dioxide Gas Rights are the rights to explore,	1
2	develop and operate lands within the Unit Area for the production of	2
3	Unitized Substances, or to share in the production so obtained or the	3
4	proceeds thereof.	4
5		5
6	1.14 Unit Operations are all operations conducted pursuant	6
7	to this agreement and the Unit Operating Agreement.	7
8		8
9	1.15 Unit Equipment is all personal property, lease and well	9
10	equipment, plants, and other facilities and equipment taken over or	10
11	otherwise acquired for the joint account for use in Unit Operations.	11
12	To the state of th	12
13	1.16 Unit Expense is all cost, expense or indebtedness in-	13
14	curred by Working Interest Owners or Unit Operator pursuant to this	14
15	agreement and the Unit Operating Agreement for or on account of Unit	15
16	Operations.	16
17	operacions.	17
18	1.17 Effective Date is the time and date this agreement	18
19	becomes effective as provided in Section 17.1.	19
20	becomes effective as provided in Section 17.1.	20
21	1.18 Commissioner is the Commissioner of Public Lands of	21
	1.18 <u>Commissioner</u> is the Commissioner of Public Lands of the State of New Mexico.	22
22	the State of New Mexico.	
23	1 10 Pintata is the Oil and Oas Pintatas of the Charact	23
24	1.19 <u>Division</u> is the Oil and Gas Division of the State of	24
25	New Mexico.	25
26	1.00 + .1 + 1.0551 (10) 1	26
27	1.20 Authorized Officer (AO) is any employee of the Bureau	27
28	of Land Management who has been delegated the authority to perform	28
29	the duties described in this part.	29
30		30
31	1.21 Director is the Director of the Bureau of Land Manage-	31
32	ment or any person authorized to act on the Director's behalf.	32
33		33
34	1.22 Proper BLM Office is the Bureau of Land Management	34
35	office having jurisdiction over the lands subject to the regulation in	35
36	this part.	36
37		37
38	1.23 Secretary is the Secretary of the Interior of the United	38
39	States of America or any person duly authorized to exercise the powers	39
40	vested in that officer.	40
41		41
42		42
43	ARTICLE 2	43
44	EXHIBITS	44
45		45
46	2.1 The following exhibits, which are attached hereto, are	46
47	incorporated herein by reference and made a part hereof for all purposes.	47
48	, , , , , , , , , , , , , , , , , , ,	48
49	2.1.1 Exhibit A is a map that shows the boundary	49
50	lines of the Unit Area and the Tracts therein.	50
51		51
52		52
53		53
54	-4-	54
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1	2.1.2 Exhibit B is a schedule that describes each	1
2	Tract in the Unit Area.	2
3		3
4	2.1.3 Exhibit C is a schedule which shows Tract	4
5	Participation.	5
6	•	6
7	2.1.4 Exhibit D is the form of indemnity agreement	7
8	provided for in Article 9.	8
9		9
10	2.2 Reference to Exhibits. When reference is made to an	10
11	exhibit, it is to the exhibit as originally attached or, if revised,	11
12	to the last revision.	12
13		13
14	2.3 Exhibits Considered Correct. Exhibits A, B, and C	14
15	shall be considered to be correct until revised as herein provided.	15
16		16
17	2.4 Correcting Errors. The shapes and descriptions of the	17
18	respective Tracts have been established by using the best information	18
19	available. If it subsequently appears that any Tract, because of di-	19
20	verse royalty or working interest ownership on the Effective Date should	20
21	have been divided into more than one Tract, or that any mechanical	21
22	miscalculation or clerical error has been made, Unit Operator with	22
23	approval of the Working Interest Owners shall correct the mistake by	23
24	revising the exhibits to conform to the facts. The revision shall not	24
25	include any re-evaluation of data used in determining Tract Participa-	25
26	tion. Each such revision of an exhibit made prior to thirty (30) days	26
27	after the Effective Date shall be effective as of the Effective Date.	27
28	Each such revision thereafter made shall be effective at 7:00 A.M. on	28
29	the first day of the calendar month next following the filing for record	29
30	of the revised exhibit or on such other date as may be determined by the	30
31	Working Interest Owners and set forth in the revised exhibit.	31
32		32
33	2.5 Filing Revised Exhibits. If an exhibit is revised, Unit	33
34	Operator shall execute an appropriate instrument with the revised exhi-	34
35	bit attached and file the same for record in the county in which this	35
36	agreement is filed. Two copies of such revised exhibit shall be filed	36
37	with the Commissioner and five copies shall be filed with the AO.	37
38		38
39		39
40	ARTICLE 3	40
41	CREATION AND EFFECT OF UNIT	41
42		42
43	3.1 Carbon Dioxide Gas Rights Unitized. All Carbon Dioxide	43
44	Gas Rights of Royalty Owners in and to the lands described in Exhibit	44
45	B, and all Carbon Dioxide Gas Rights of Working Interest Owners in and	45
46	to said lands, are hereby unitized insofar as such respective Carbon	46
47		47
48		48
49		49
50		50
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54		54

Dioxide Gas Rights pertain to the Unitized Formation, so that Unit Operations may be conducted with respect to the Unitized Formation as if the Unit Area had been included in a single lease executed by all Royalty Owners, as lessors, in favor of Working Interest Owners, as Lessees, and as if the leases contained all the provisions of this agreement.

c)

3.2 Personal Property Excepted. All lease and well equipment, materials, and other facilities heretofore or hereafter placed by any of the Working Interest Owners on the lands covered hereby shall be deemed to be and shall remain personal property belonging to and may be removed by Working Interest Owners. The rights and interests therein as among Working Interest Owners are set forth in the Unit Operating

Agreement.

3.3 Leases and Contracts Conformed and Extended. The terms, conditions, and provisions of all leases, subleases and other contracts relating to exploration, drilling, development, or operation for oil or gas, including but not limited to Carbon Dioxide Gas, on lands committed to this agreement are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof but otherwise shall remain in full force and effect. Further, the parties hereto hereby expressly consent for the Secretary as to the Federal leases, for the Commmissioner as to the State leases, for the Lessors as to other leases (as evidenced by their individual approval hereof or by the approval hereof of their duly authorized representative) to hereby establish, alter, change, or revoke the drilling, producing, rental, minimum royalty, and royalty requirements of Federal, State and other leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this agreement; and, without limiting the generality of the foregoing, all leases, subleases, and contracts are particularly modified in accordance with the following:

> (a) The development and operation of lands subject to this agreement under the terms hereof shall be deemed full performance of all obligations for development and operation with respect to each and every separately owned Tract subject to this agreement, regardless of whether there is any development of any particular Tract of the Unit Area.

Drilling and producing operations performed hereunder upon any Tract of unitized lands will be accepted and deemed to be performed upon and for the benefit of each and every Tract of unitized land, and no lease shall be deemed to expire by reason of failure to drill or produce wells situated on the land therein embraced.

(c) Each lease, sublease or contract relating to the exploration, drilling, development or operation for oil or gas, including but not limited to Carbon Dioxide Gas, of lands other than those of the United States committed to this agreement, which, by its terms might expire prior to the termination of this agreement, is hereby extended beyond any such term provided therein so that it shall be continued in full force and effect for and during the term of this agreement.

- (d) Any Federal lease for a fixed term of twenty (20) years or any renewal thereof or any part of such lease which is made subject to this agreement shall continue in force beyond the term so provided therein until the termination hereof. Any other Federal lease committed hereto shall continue in force beyond the term so provided therein or by law as to the land committed so long as such lease remains subject hereto, provided actual drilling operations are commenced on unitized land, in accordance with the provisions of this agreement, prior to the end of the primary term of such lease. lease shall be extended for two years and so long thereafter as oil and gas, including but not limited to Carbon Dioxide Gas, is produced in paying quantities in accordance with the provisions of the Mineral Leasing Act Revision of 1960.
- (e) Each sublease or contract relating to the operation and development of Unitized Substances from lands of the United States committed to this agreement, which by its terms would expire prior to the time at which the underlying lease, as extended by the immediately preceding paragraph, will expire, is hereby extended beyond any such term so provided herein so that it shall be continued in full force and effect for and during the term of the underlying lease as such term is herein extended.
- (f) The segregation of any Federal lease committed to this agreement is governed by the following provisions in the fourth paragraph of Section 17(j) of the Mineral Leasing Act, as amended by the Act of September 2, 1960 (74 Stat. 781-784): "Any (Federal) lease heretofore or hereafter committed to any such (unit) plan embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to

the lands committed and the lands not committed as of the effective date of unitization:

Provided, however, that any such lease as to the non-unitized portion shall continue in force and effect for the term thereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."

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- (g) Any lease, other than a Federal lease, having only a portion of the lands covered thereby committed hereto shall be segregated as to the portion committed and the portion not committed. The provisions of such lease shall apply separately to such segregated portions commencing as of the effective date hereof. In the event any such lease provides for a lump-sum rental payment, such payment shall be prorated between the portions so segregated in proportion to the acreage of the respective portions.
- 3.4 Continuation of Leases and Term Interests. Production from any part of the Unitized Formation, except for the purpose of determining payments to Royalty Owners, or other Unit Operations shall be considered as production from or operations upon each Tract; and such production or operations shall continue in effect each lease or term mineral or royalty interest as to all lands and formations covered thereby just as if such operations were conducted on and as if a well were producing from each Tract.
- 3.4.1 Any lease embracing lands of the State of New Mexico which is made subject to this agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.
- 3.4.2 Any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto shall be segregated as to that portion committed and that not committed, and the terms of such lease shall apply separately as to such segregated portions commencing as of the Effective Date hereof, provided, however, that, notwithstanding any of the provisions of this agreement to the contrary, such lease shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease if oil or gas, including but not limited to Carbon Dioxide Gas, is or has heretofore been discovered in paying quantities on some part of the lands embraced in such lease committed to this agreement or, at any time during the term hereof, as to any lease that is valid and subsisting and upon which the lessee or the Unit Operator is then engaged in bona fide drilling or reworking operations on any part of the lands embraced in such lease, then the same as to all lands embraced therein shall remain in full force and effect so long as such operations are diligently prosecuted.

3.5 <u>Titles Unaffected by Unitization</u>. Nothing herein shall be construed to result in the transfer of title to Carbon Dioxide Gas Rights by any party hereto to any other party or to Unit Operator.

3.6 <u>Injection Rights</u>. Royalty Owners hereby grant Working Interest Owners the right to inject into the Unitized Formations any substances in whatever amounts Working Interest Owners deem expedient for Unit Operations, together with the right to drill, use, and maintain injection wells on the Unit Area and to use for injection purposes

ARTICLE 4 DEVELOPMENT AND OPERATIONS

completed in the Unitized Formation.

any nonproducing or abandoned wells or dry holes and any producing wells

- 4.1 <u>Unit Operator</u>. Working Interest Owners are concurrently herewith entering into the Unit Operating Agreement, designating CITIES SERVICE OIL AND GAS CORPORATION, a Delaware corporation, as the Initial Unit Operator. Unit Operator shall have the exclusive right to conduct Unit Operations which shall conform to the provisions of this agreement and the Unit Operating Agreement. If there is any conflict between such agreements, this agreement shall govern.
- 4.2 <u>Development</u>. Working Interest Owners have heretofore completed wells capable of producing Unitized Substances. During the first two (2) years after the Effective Date, such additional wells will be drilled as are necessary to gather pertinent information; however, Working Interest Owners shall not be obligated to drill more than four (4) wells per year during this period. Within two years after the Effective Date, Unit Operator shall submit for approval of the Commissioner and the Division an acceptable plan of development and operation which, when approved by the Commissioner, shall constitute the further drilling and operations obligations of the Working Interest Owners for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, Unit Operator shall submit for like approval a plan for an additional specified period. Five copies of all such plans shall be furnished to the AO.

Any plan submitted pursuant to this Section shall:

- (a) specify the number and locations of any wells to be drilled and the proposed order and time for such drilling, and
- (b) to the extent practicable specify the operating practices regarded as necessary and advisable for proper conservation of natural resources.

Plans shall be modified or supplemented when necessary to meet changed conditions or to protect the interests of all parties to this agreement. Reasonable diligence shall be exercised in approving submitted plans of development and in complying with the obligations of any such approved plan.

4.3 Operations. Nothing herein shall prevent Working Interest Owners from discontinuing or changing in whole or in part any method of operations which, in their opinion, is no longer in accord with good engineering or production practices. Other methods of operation may be conducted or changes may be made by Working Interest Owners from time to time if determined to be feasible, necessary, or desirable to maintain deliverability and increase ultimate recovery of Unitized Substances. Unit Operator shall keep the Commissioner and the AO informed of any changes in any method of operation by furnishing them notice or a copy of any order of the Division authorizing such changes.

ARTICLE 5 TRACT PARTICIPATION

- 5.1 <u>Initial Tract Participations</u>. The Initial Tract Participation of each Tract is shown on Exhibit C and was computed as follows:
- 5.1.1 The Initial Tract Participation of each Tract is equal to One Hundred (100) times the ratio of the Total Surface Acres contained in the Tract divided by the sum of the Total Surface Acres contained in all Tracts in the Unit Area. In the event fewer than all of the Tracts described in Exhibit B are included in the Unit Area on the Effective Date, the Tract Participation shall be calculated by Unit Operator on the basis of all such included Tracts rather than all Tracts described in Exhibit B and Unit Operator shall revise Exhibits A, B, and C accordingly.
- 5.1.2 Total Surface Acres in a Tract are those surface acres contained in the Tract as shown on Exhibit B.
- 5.2 Redetermination of Tract Participations. Within five (5) years after the first sales of Unitized Substances delivered into the pipeline described in Section 6.1, but in any event no later than ten (10) years after the Effective Date hereof, the Tract Participation of each Tract shall be redetermined by Working Interest Owners subject to approval of the Commissioner. Any such Tract which is then shown to be outside the then known productive limits of the Unit Area shall be automatically eliminated from the Unit Area, provided, however, if drilling is then occurring on step-out locations from producing wells with not more than 90 days elapsing between the completion of one well and the beginning of the next well, such redetermination may be deferred for a period not to exceed two (2) years. The method of redetermining Tract Participation Percentages shall be as follows:

5.2.1 The Productive Acres of each Tract shall be determined by establishing a zero net pay isopachous line based on the extrapolated net pay intervals in all wells in the Unit Area in accordance with industry-wide acceptable practices for interpreting underground geologic features on maps. Where the zero net pay isopachous line falls outside the boundary line of the Unit Area, said Unit Area boundary line shall be considered to be the zero net pay isopachous line. Those tracts having no Productive Acres shall be automatically eliminated from the Unit Area, and no payments made to any of the Royalty Owners of such eliminated Tracts under the Initial Tract Participation shall be further accounted for.

- 5.2.2 The redetermined Tract Participations shall be calculated by dividing each Tract's Productive Acres by the Total Productive Acres contained in all Tracts in the Unit Area remaining after exclusion of Tracts under Section 5.2.1 and multiplying by one hundred (100). Unit Operator shall prepare revised Exhibits A, B, and C and file such revised Exhibits in Harding County, New Mexico. Two copies of such revised Exhibits shall be provided the Commissioner and five copies provided the AO.
- 5.3 No Retroactive Adjustments. There shall not be any retroactive adjustments or accounting for the difference between the Initial Tract Participation and the redetermined Tract Participation and no further redetermination of Tract Participations shall ever be made.
- 5.4 Relative Tract Participation. Except for the redetermination under this Article, if the Unit Area is enlarged or reduced, the revised Tract Participations of the Tracts remaining in the Unit Area and which were within the Unit Area prior to the enlargement or reduction shall remain in the same ratio one to another.

ARTICLE 6 RENTAL AND ROYALTY PAYMENTS

Substances. It is recognized that, although a market presently exists for small volumes of Carbon Dioxide Gas, the primary market for Unitized Substances cannot be met until a pipeline and field facilities can be built, and delivery of Unitized Substances to such facilities will not begin until some time after the Effective Date hereof. Therefore, as part of the consideration for execution of this agreement, Working Interest Owners will pay to Royalty Owners, and the Royalty Owners hereby will accept, an additional rental payment of fifty percent of the annual rental as prescribed in their respective leases due during the calendar year in which the Unit becomes effective. On paid-up leases covering fee and patented lands, the amount paid shall be fifty (50) cents per acre. The additional annual payment shall increase the annual rental payment on

leases of the State of New Mexico and the annual minimum royalty payment on 1 leases of the United States to \$1.50 per acre. In each succeeding year in which there is no delivery of Unitized Substances to the pipeline constructed for the primary market, rentals paid by Working Interest Owners to Royalty Owners shall be increased an additional five percent (5%) over those paid in the preceding year.

- 6.2 Payment of Royalties. Beginning with the first delivery of Unitized Substances to the pipeline, no further rentals shall be due or payable, except where minimum rental or royalty payments are required under lease agreements committed hereto; and royalty payments for Carbon Dioxide Gas produced, saved and delivered into the pipeline shall be made to Royalty Owners by Working Interest Owners as set out below. of Carbon Dioxide Gas shall be measured at the standard conditions of measurement for natural gases which are at 60° Fahrenheit and 15.025 pounds per square inch absolute pressure base.
- 6.3 Basis of Payment to Royalty Owners. It is recognized by the parties hereto that there is now no preeminent market for Carbon Dioxide Gas. Therefore, the parties hereto agree that, as further consideration for entering into this agreement, royalties paid upon the Unitized Substances allocated to each Tract shall be based on the greatest of the following:
- (a) The net proceeds derived from the sale of Carbon Dioxide Gas at the well whether such sale is to one or more of the parties to this agreement or to any other party or parties.
- (b) In no case shall the royalties paid under this agreement for any calendar year after first delivery of Unitized Substances to the pipeline be less than the annual rentals or minimum royalties paid for the year preceding first delivery of Carbon Dioxide Gas to the pipeline. In the event of any such occurrence, an appropriate retroactive payment shall be made.
- (c) Notwithstanding the foregoing provisions, the State, acting by its Commissioner of Public lands may require the payment of royalty for all or any part of the Unitized Substances allocated to the state leases committed to this agreement and marketed or utilized at a price per m.c.f. equal to the maximum price being paid for Unitized Substances of like kind and quality and under like conditions in the same field or area or may reduce the royalty value of any such Unitized Substances (to any amount not less than the net proceeds of sale thereof in the field) if the Commissioner of Public Lands shall determine such action to be necessary to the successful operation of the lands for Unitized Substances purposes or to encouragement of the greatest ultimate recovery of Unitized Substances or to the promotion of conservation of Unitized Substances.

7.2 Distribution Within Tracts. The Unitized Substances allocated to each Tract shall be distributed among, or accounted for to, the parties entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions as they would have participated and shared in the production from such Tract, or in the proceeds thereof, had this agreement not been entered into, and with the same legal effect. If any Carbon Dioxide Gas Rights in a Tract hereafter become divided and owned in severalty as to different parts of the Tract, the owners of the divided interests, in the absence of an agreement providing for a different division, shall share in the Unitized Substances allocated to the Tract, or in the proceeds thereof, in proportion to the surface acreage of their respective parts of the Tract. Any royalty or other payment which depends upon per well production or pipeline runs from a well or wells on a Tract shall, after the Effective Date, be determined by dividing the Unitized Substances allocated to the Tract by the number of wells on the Tract capable of producing Unitized Substances on the Effective Date; however, if any Tract has no well thereon capable of producing Unitized Substances on the Effective Date, the Tract shall, for the purpose of this determination, be deemed to have one such well thereon.

stances allocated to each Tract shall be delivered in kind at the wellhead to the respective parties entitled thereto by virtue of the ownership of Carbon Dioxide Gas Rights therein or by purchase from such owners. Such parties shall have the right to construct, maintain, and operate within the Unit Area all necessary facilities for that purpose, provided they are so constructed, maintained, and operated as not to interfere with Unit Operations. Any extra expenditures incurred by Unit Operator by reason of the delivery in kind of any portion of Unitized Substances shall be borne by the owner of such portion. If a Royalty Owner has the right to take in kind a share of Unitized Substances and fails to do so, the Working Interest Owner whose Working Interest is subject to such Royalty Interest shall be entitled to take in kind such share of Unitized Substances.

- 7.4 Failure to Take in Kind. If any party fails to take in kind or separately dispose of such party's share of Unitized Substances, Unit Operator shall have the right, but not the obligation, for the time being and subject to revocation at will by the party owning the share, to purchase or sell to others such share; however, all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one year. The proceeds from the Unitized Substances so disposed of by Unit Operator shall be paid to the Working Interest Owners of each affected Tract or a party designated by such Working Interest Owners who shall distribute such proceeds to the parties entitled thereto.
- 7.5 Responsibility for Payments. At any and all times while Unitized Substances are being produced from the Unit Area, each Working Interest Owner will make settlement with the respective Royalty Owners to whom said Working Interest Owner is accountable just as if each Working Interest Owner were taking and delivering to a purchaser its share, and its share only, of such Unitized Substances exclusive of Unitized Substances used in Unit Operations, vented or lost. Each Working Interest Owner agrees to indemnify and hold harmless each and every other Working Interest Owner from any and all claims for royalty payments asserted by royalty owners to whom each indemnifying Working Interest Owner is accountable. Each Working Interest Owner and Royalty Owner producing and taking or delivering Unitized Substances to its purchaser shall pay any and all production taxes due on such Unitized Substances.
- 7.6 Allocation of Carbon Dioxide Gas for Use in the State of New Mexico. It is recognized that in fields located in the State of New Mexico there are oil reservoirs in which the use of Carbon Dioxide Gas (i.e., Unitized Substances produced under this agreement) as an injection fluid may be necessary or desirable to increase the ultimate recovery of oil from such oil reservoirs as part of enhanced or tertiary recovery operations. If any such use develops and if at that time there are no other reasonable available sources of Carbon Dioxide Gas for such use either within the State of New Mexico or from sources outside the State of New Mexico within the geographic area reasonably accessible which may be utilized as a source of such injection fluid more economically than the allocated volume of Carbon Dioxide Gas under this agreement, there then is allocated by the Working Interest Owners for primary use in the State of New Mexico a maximum not to exceed ten percent (10%) of the then total daily production of Carbon Dioxide Gas under this agreement; provided, that the use thereof shall be only as an injection fluid into suitable oil reservoirs located in the State of New Mexico as a part of enhanced or tertiary recovery operations.

Any operator or operators of leases in oil fields in the State of New Mexico shall have the right to apply to the Unit Operator hereunder for purchase from the Working Interest Owners of all or part of such allocated volume of Carbon Dioxide Gas by giving at least one (1) year's advance

written notice by certified mail directed to the Unit Operator hereunder of the date such Carbon Dioxide Gas will be needed and of the anticipated volumes of such Carbon Dioxide Gas along with the details related to the proposed use. Upon receipt of any and every such application, the Unit Operator shall promptly so advise the Working Interest Owners by certified mail setting forth the details of each application which has been made. The one (1) year notice period mentioned above shall begin with the receipt of such notice by the Unit Operator, and each applicant shall be notified thereof by the Unit Operator. However, subject to the terms and provisions hereof, Unit Operator, if allocated Carbon Dioxide Gas is available at any time during the one (1) year period mentioned above, may commence delivery of such gas to any applicant then ready and willing to accept such delivery.

The price and terms of any such sale of Carbon Dioxide Gas shall be a matter of bargaining and negotiations between the Working Interest Owners of such gas and each purchaser thereof. There shall not be, in any event, any obligation on the part of the Working Interest Owners thereof to sell and deliver any such Carbon Dioxide Gas either for any use which is not in conformity with the provisions hereof or at any point other than either at the wellhead or wellheads in the field covered by this agreement or at any central manifold measuring, or delivery point of such gas maintained by the Working Interest Owners. Further, the Working Interest Owners during the period of allocation of Carbon Dioxide Gas shall not be liable for any failure to deliver upon demand such maximum ten percent (10%) or any lesser portion thereof in the event other markets or uses may have absorbed the then current capacity of Carbon Dioxide Gas produced under this agreement.

The initial purchaser of Carbon Dioxide Gas under this allocation may take to the extent then available all of said ten percent (10%) of Carbon Dioxide Gas so allocated or any lesser portion thereof; provided that the volume of gas so taken by said initial purchaser, as well as subsequent purchasers, shall be subject to diminution and reduction by the proportionate allocation thereof between purchasers and fields located in New Mexico. Proportionate allocation shall be made by the Unit Operator for the Working Interest Owners of the Carbon Dioxide Gas. However, anything to the contrary notwithstanding, the owners of Carbon Dioxide Gas under this agreement expressly reserve and retain a prior, preferred, and continuing right, exercisable at any and all times without notice, to use all or a part of this allocated gas in oil fields which they operate in whole or part in the State of New Mexico. Any amount of such Carbon Dioxide Gas so used by such Working Interest Owners shall be counted against the ten percent (10%) volume of allocated gas hereunder.

ARTICLE 8 USE OR LOSS OF UNITIZED SUBSTANCES

8.1 <u>Use of Unitized Substances</u>. Working Interest Owners may use or consume Unitized Substances for Unit Operations, including but not limited to the injection thereof into the Unitized Formation.

8.2 <u>Royalty Payments</u>. No royalty, overriding royalty, production, or other payments shall be payable on account of Unitized Substances used, lost or consumed in Unit Operations.

ARTICLE 9 TRACTS TO BE INCLUDED IN UNIT

9.1 Qualification of Tracts. On and after the Effective Date and until the enlargement or reduction thereof, the Unit Area shall be composed of the Tracts listed in Exhibit B that corner or have a common boundary (Tracts separated only by a public highway and/or a railroad right-of-way shall be considered to have a common boundary) and that otherwise qualify as follows:

9.1.1 Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this agreement and as to which Royalty Owners owning seventy-five percent (75%) or more of the Royalty Interest have become parties to this agreement;

9.1.2 Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this agreement and as to which Royalty Owners owning less than seventy-five percent (75%) of the Royalty Interest have become parties to this agreement and as to which (a) Working Interest Owners owning seventy-five percent (75%) or more of the Working Interest in such Tract, including the Working Interest Owner who operates the Tract, have joined in a request for the inclusion of the Tract in the Unit Area and as to which (b) Working Interest Owners having seventy-five percent (75%) or more of the combined voting interest in all Tracts that meet the requirements of Section 9.1.1 have voted in favor of the inclusion of such Tract.

9.1.3 Each Tract as to which Working Interest Owners owning less than one-hundred percent (100%) of the Working Interest have become parties to this agreement, regardless of the percentage of royalty Interest therein that is committed hereto, and as to which (a) one or more of the Working Interest Owners in such Tract who have become parties to this agreement, one of which must be the operator of such Tract, have joined in a request for inclusion of such Tract in the Unit Area and have executed and delivered, or have obligated themselves to execute and deliver, an indemnity agreement identical in form to the agreement attached hereto as Exhibit D indemnifying and agreeing to hold harmless all other Working Interest Owners in the Unit Area, their successors and assigns, against all claims and demands that may be made by the owners of Working Interests in such Tract who are not parties to this agreement and which arise out of the inclusion of the Tract in the Unit Area; and as to which (b) Working Interest Owners having seventy-five

percent (75%) or more of the combined voting interest in all Tracts that meet the requirements of Sections 9.1.1 and 9.1.2 have voted in favor of the inclusion of such Tract and to accept the indemnity agreement. Upon the inclusion of such a tract in the Unit Area, the Unit Participation that would have been attributed to the nonsubscribing owners of Working Interest in such Tract, had they become parties to this agreement and the Unit Operating Agreement, shall be attributed in proportion to their respective Working Interests in such Tract to the Working Interest Owners in the Tract who have executed indemnity agreements.

9.2 Commitment of Interests to Unit. The execution of this agreement by a party shall commit all interests owned or controlled by such a party as of the date of execution and additional interests acquired before the Effective Date. After the Effective Date, the commitment of any interest in any Tract within the Unit Area shall be upon such terms as may be negotiated by Working Interest Owners and the owner of such interest and upon approval of the Commissioner, provided, however, any formerly committed interest as to which title has failed may be recommitted by the rightful owners on its former basis of participation as provided in Section 10.1 hereof.

9.3 Acquisition of Uncommitted Interests. In the event any party bound by this agreement acquires an uncommitted interest in any Tract included within the Unit Area, such interest upon being so acquired, shall, upon approval by the Working Interest Owners, be subject to this agreement; shall receive its share of the Unit Participation allocated to said Tract; and, where the interest acquired is a Working Interest, shall also be subject to the Unit Operating Agreement.

9.4 Revision of Exhibits. If any of the Tracts described in Exhibit B fail to qualify for inclusion in the Unit Area, Unit Operator shall recompute the Tract Participation of each of the qualifying Tracts, using the original basis of computation, and shall revise Exhibits A, B, and C accordingly. Such revised exhibits shall be effective as of 7:00 A.M. on the Effective Date.

ARTICLE 10 TITLES

10.1 Removal of Tract from Unit Area. If a Tract ceases to have sufficient Working Interest Owners or Royalty Owners committed to this agreement to meet the conditions of Article 9 because of failure of title of any party hereto, such Tract shall be removed from the Unit Area effective as of 7:00 A.M. on the first day of the calendar month in which the failure of title is finally determined unless within ninety (90) days after the date of final determination of the failure of title, the Tract qualifies under a Section of Article 9.

-17--

- 10.2 Revision of Exhibits. If a Tract is removed from the Unit Area because of failure of title, Unit Operator, subject to Section 5.4, shall recompute the Tract Participation of each of the Tracts remaining in the Unit Area and shall revise Exhibits A, B, and C accordingly. The revised exhibits shall be effective as of 7:00 A.M. on the first day of the calendar month in which such failure of title is finally determined.
- 10.3 Working Interest Titles. If title to a Working Interest fails, the rights and obligations of Working Interest Owners by reason of the failure of title shall be governed by the Unit Operating Agreement.
- 10.4 Royalty Interest Titles. If title to a Royalty Interest fails but the Tract to which it relates is not removed from the Unit Area, the party whose title failed shall not be entitled to share hereunder with respect to such interest.
- 10.5 Production Where Title is in Dispute. If the title or right of any party claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator shall either:
- (a) require that the party to whom such Unitized Substances are delivered or to whom the proceeds thereof are paid furnish security for the proper accounting therefor to the rightful owner if title or right of such party fails in whole or in part, or
- (b) withhold and market the portion of Unitized Substances with respect to which title or right is in dispute and impound the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Unit Operator whereupon the proceeds so impounded shall be paid to the party rightfully entitled thereto.
- (c) Notwithstanding any provisions contained herein to contrary, no payments or funds due the State of New Mexico or the United States shall be withheld; but such funds shall be deposited as directed by the Commissioner or the AO to be held as unearned money pending final settlement of the title dispute and then applied as earned or returned in accordance with such final settlement.
- 10.6 Payment of Taxes to Protect Title. The owner of surface rights to lands within in the Unit Area, or severed mineral interests or Royalty Interests in such lands, or lands outside the Unit Area on which Unit Equipment is located is responsible for the payment of any ad valorem taxes on all such rights, interests, or property, unless such owner and Working Interest Owners otherwise agree. If any ad valorem taxes are not paid by or for such owner when due, Unit Operator may, with approval of Working Interest Owners, at any time prior to tax sale, or expiration of period of redemption after tax sale, pay the tax, redeem such rights, interests, or property, and discharge the tax lien. Unit Operator shall,

Substances otherwise due any delinquent taxpayer an amount sufficient to defray the costs of such payment or redemption, such withholding to be credited to Working Interest Owners. Such withholding shall be without prejudice to any other remedy available to Unit Operator. ARTICLE 11 EASEMENTS OR USE OF SURFACE 11.1 Grant of Easements. The parties hereto, to the extent of their rights and interests, hereby grant to Working Interest Owners the right to use as much of the surface of the land within the Unit Area as may be reasonably necessary for Unit Operations and the removal of Unitized Substances from the Unit Area; however, nothing herein shall be construed as leasing or otherwise conveying to Working Interest Owners a camp site or a plant site for water injection, gas injection, or gas processing. 11.2 Use of Water. Working Interest Owners shall have and are hereby granted free use of water from the Unit Area for Unit Operations, except water from any well, lake, pond, or irrigation ditch of a Royalty Owner. 11.3 Surface Damages. Working Interest Owners shall pay the owner for damages to growing crops, timber, fences, improvements, and structures on the Unit Area that result from Unit Operations. ARTICLE 12 ENLARGEMENTS OF UNIT AREA 12.1 Enlargements of Unit Area. The Unit Area may be enlarged from time to time to include acreage reasonable proved to be productive of Unitized Substances upon such terms as may be determined by Working Interest Owners and the owners of such acreage and upon approval by the Commissioner and the AO with regard to State and Federal lands respec-tively, including, but not limited to, the following: 12.1.1 The participation to be allocated to the acreage shall be fair and reasonable, considering all available information. 12.1.2 There shall be no retroactive allocation or ad-justment of Unit Expense or of interests in the Unitized Substances produced, or proceeds thereof; however, this limitation shall not prevent an adjustment of investment by reason of the enlargement. -19-

if possible, withhold from any proceeds derived from the sale of Unitized

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1	12.2 Determination of Tract Participation. Unit Operator, sub-	1
2	ject to Section 5.4 shall determine the Tract Participation of each Tract	2
3	within the Unit Area as enlarged, and shall revise Exhibits A, B, and	3
4	C accordingly.	4
5		5
6	12.3 Effective Date. The effective date of any enlargement of	6
7	the Unit Area shall be 7:00 A.M. on the first day of the calendar month	7
8	following compliance with conditions for enlargement as specified by	8
9	Working Interest Onwers and the filing for record of revised Exhibits A,	9
10	B, and C in the county in which this agreement is recorded.	10
11		11
12		12
13	ARTICLE 13	13
14	TRANSFER OF TITLE-PARTITION	14
15	IMPORTED VI ILIAN IMMILITAN	15
16		16
17	13.1 Transfer of Title. Any asignment, conveyance, or transfer	17
18	of all or any part of any interest owned by any party hereto with respect	18
		19
19	to any Tract shall be made expressly subject to this agreement. No	
20	change of title shall be binding upon Unit Operator, or upon any party	20
21	hereto other than the party so transferring, until 7:00 A.M. on the	21
22	first day of the calendar month next succeeding the date of receipt by	22
23	Unit Operator of a photocopy, or a certified copy, of the recorded instru-	23
24	ment evidencing such change in ownership.	24
25		25
26	13.2 Waiver or Rights to Partition. Each party hereto agrees	26
27	that, during the existence of this agreement, it will not resort to any	27
28	action to partition the Unitized Formation or the Unit Equipment and to	28
29	that extent waives the benefits of all laws authorizing such partition.	29
30		30
31		31
32	ARTICLE 14	32
33	RELATIONSHIP OF PARTIES	33
34		34
35		35
36	14.1 No Partnership. The duties, obligations, and liabilities	36
37	of the parties hereto are intended to be several and not joint or collec-	37
38	tive. This agreement is not intended to create, and shall not be con-	38
39	strued to create, an association or trust or to impose a partnership duty,	39
40	obligation, or liability with regard to any one or more of the parties	40
41	hereto. Each party hereto shall be individually responsible for its own	41
42	obligations as herein provided. This provision does not exclude the	42
43	Working Interest Owners from entering into a partnership solely for	43
44	Federal income tax purposes whereby they would elect to be subject to	44
45	the application of all the provisions of Subchapter K, Chapter 1, Sub-	45
46	title A of the Internal Revenue Code of 1954 as permitted and authorized	46
47	by Section 761 of the Code and the regulation promulgated thereunder,	47
48	said election found under ARTICLE 15, LAWS AND REGULATIONS, of the	48
49	Unit Operating Agreement.	49
50		50
51		51
52		52
53		53
54	-2 0-	54

1 2	14.2 No Joint Refining or Marketing. This agreement is not intended to provide, and shall not be construed to provide, directly or	1 2
3 4	indirectly, for any joint refining or marketing of Unitized Substances.	3 4
5	14.3 Royalty Owners Free of Costs. This agreement is not in-	5
6	tended to impose, and shall not be construed to impose, upon any Royalty	6
7	Owner any obligation to pay Unit Expense unless such Royalty Owner is	7
8	otherwise so obligated.	8
9		9
10	14.4 Information to Royalty Owners. Each Royalty Owner shall	10
11 12	be entitled to all information in possession of Unit Operator to which such Royalty Owner is entitled by an existing agreement with any Working	11 12
13	Interest Owner.	13
14	THEOLOG WHICE	14
15		15
16	ARTICLE 15	16
17	LAWS AND REGULATIONS	17
18		18
19		19
20	15.1 Laws and Regulations. This agreement shall be subject to all applicable federal, state and municipal laws, rules, regulations,	20 21
21 22	and orders.	22
23	and orders.	23
24		24
25	ARTICLE 16	25
26	FORCE MAJEURE	26
27		27
28		28
29	16.1 Force Majeure. All obligations imposed by this agreement	29
30 31	on each party, except for the payment of money, shall be suspended while	30 31
32	compliance is prevented, in whole or in part, by a labor dispute, fire, war, civil disturbance, act of God; by federal, state, or municipal laws;	32
33	by any rule, regulation, or order of a governmental agency; by inability	33
34	to secure materials; or by any other cause or causes, whether similar or	34
35	dissimilar, beyond reasonable control of the party. No party shall be	35
36	required against its will to adjust or settle any labor dispute. Meither	36
37	this agreement nor any lease or other instrument subject hereto shall be	37
38	terminated by reason of suspension of Unit Operations due to any one or	38
39	more of the causes set forth in this Article.	39 40
40 41		41
42	ARTICLE 17	42
43	EFFECTIVE DATE	43
44		44
45		45
46	17.1 Effective Date. This agreement shall become binding upon	46
47	each party as of the date such party signs the instrument by which it be-	47
48	comes a party hereto and, unless sooner terminated as provided in Section	48
49 50	17.2, shall become effective subject to the terms and provisions hereof no later than 7:00 A.M. on the first day of the second calendar month next	49 50
51	following:	51
52	10110n11g	52
53		53
54	-21-	54

(a) The qualification in accordance with Article 9 of Tracts representing not less than seventy-five percent (75%) of Tract Participation in the Unit Area as shown on Exhibit C attached hereto.

- (b) The approval of this agreement by the Division and Commissioner; provided, however, if the Commissioner fails or refuses to commit the described lands of the State of New Mexico to this agreement, this paragraph (b) shall not be a condition precedent to the Effective Date as between the parties hereto who have committed their interests; and this agreement shall become effective as to all other lands so committed that have qualified as described in paragraph (a) above; and
- (c) The filing of at least one counterpart of this agreement for record in Harding County, New Mexico.
- 17.2 <u>Ipso Facto Termination</u>. If the requirements of Section 17.1 are not accomplished on or before December 31, 1984, this agreement shall ipso facto terminate on that date (hereinafter called "termination date") and thereafter be of no further effect, unless prior thereto Working Interest Owners of at least sixty-five percent (65%) of Unit Participation have become parties to this agreement and Working Interest Owners owning sixty-five percent (65%) or more of that percent have decided to extend the termination date for a period not to exceed one year. If the termination date is so extended and the requirements of Section 17.1 are not accomplished on or before the extended termination date, this agreement shall ipso facto terminate on the extended termination date and thereafter be of no further effect.
- 17.3 <u>Certificate of Effectiveness</u>. Unit Operator shall file for record in Harding County, New Mexico, a certificate stating the Effective Date. Two copies of such certificate shall be filed with the Commissioner and five copies shall be filed with the AO.

ARTICLE 18 TERM AND TERMINATION

- 18.1 Term and Termination. This agreement shall become effective as of the Effective Date herein provided and, subject to the terms and provisions hereof, shall continue in full force and effect from said date as to the leases and/or interests subjected hereto, for so long as payments are made hereunder, Unitized Substances are produced, or other Unit Operations are conducted, or until Working Interest Owners owning seventy-five percent (75%) or more of the Unit Participation determine that Unit Operations are no longer profitable or feasible.
- 18.2 Effect of Termination. Upon termination of this agreement, the further development and operation of the Unitized Formation as a unit shall be abandoned; and Unit Operations shall cease. Each oil and gas

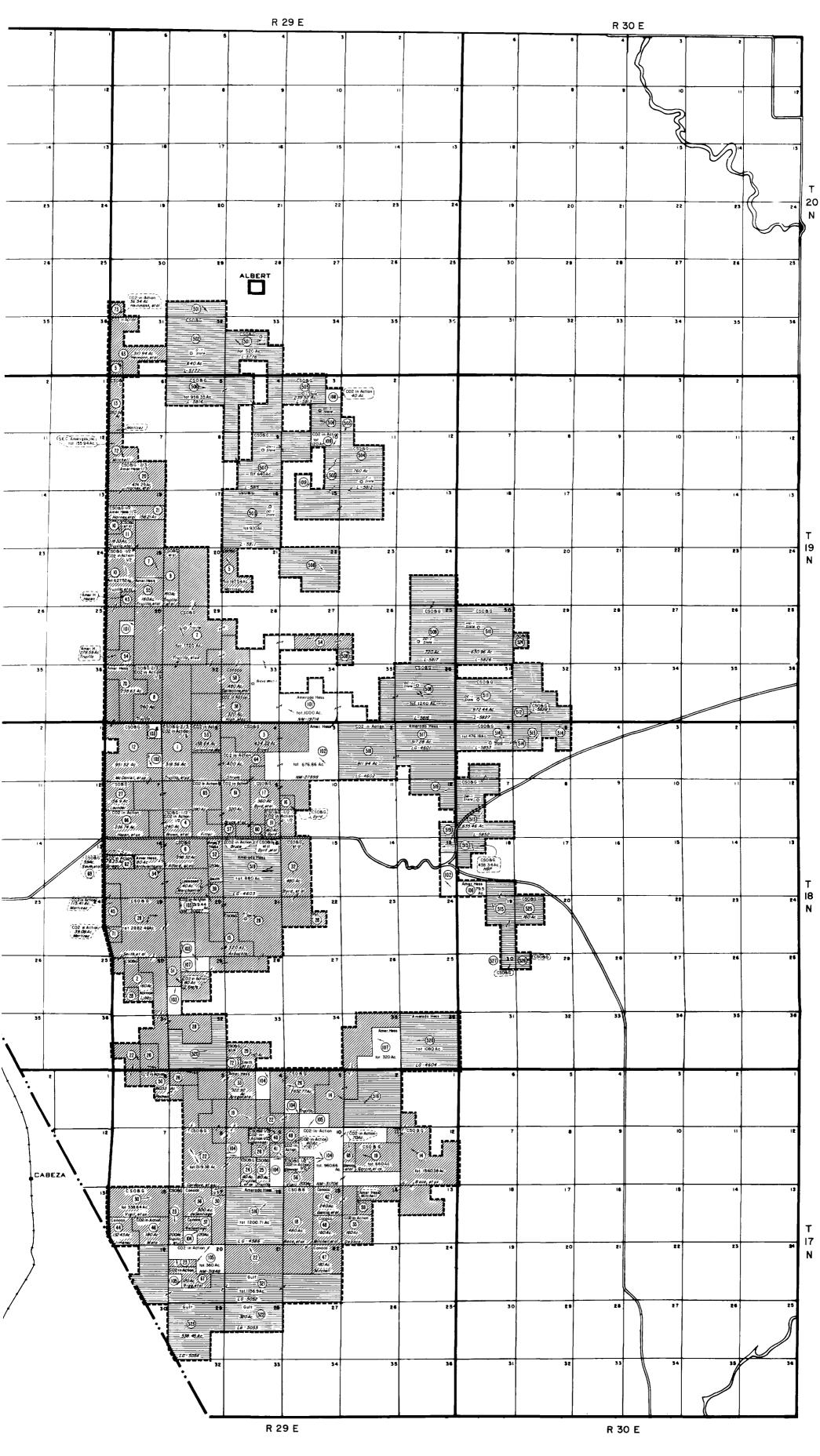
-22-

1 2

1 2	lease and other agreement covering lands within the Unit Area shall remain in force for sixty (60) days after the date on which this agreement ter-	1 2
3 4 5	minates and for such further period as is provided by the lease or other agreement.	3 4 5
6	18.3 Salvaging Equipment Upon Termination. If not otherwise	6
7	granted by the leases or other instruments affecting each Tract, Royalty	7
8	Owners hereby grant Working Interest Owners a period of six (6) months	8
9	after the date of termination of this agreement within which to salvage	9
10	and remove Unit Equipment.	10
11		11
12	18.4 Certificate of Termination. Upon termination of this agree-	12
13	ment, Unit Operator shall file for record in Harding County, New Mexico, a	13
14	certificate that this agreement has terminated, stating its termination	14
15	date. Two copies of such certificate shall be filed with the Commissioner	15
16	and five copies shall be filed with the AO.	16
17		17 18
18 19	ARTICLE 19	19
20	EXECUTION	20
21	LARGUIION	21
22		22
23	19.1 Original, Counterpart, or Other Instrument. An owner of	23
24	Carbon Dioxide Gas Rights may become a party to this agreement by signing	24
25	the original of this instrument, a counterpart thereof, or other instru-	25
26	ment agreeing to become a party hereto. The signing of any such instru-	26
27	ment shall have the same effect as if all parties had signed the same	27
28	instrument.	28
29		29
30	19.2 Joinder in Dual Capacity. Execution as herein provided by	30
31	any party as either a Working Interest Owner or a Royalty Owner shall	31
32	commit all interests owned or controlled by such party.	32
33		33
34		34
35	ARTICLE 20	35
36	GENERAL	36
37		37
38	20 1 Amerika Affirsta Harling Takining Origina Amerika	38 39
39	20.1 Amendments Affecting Working Interest Owners. Amendments	
40 41	hereto relating wholly to Working Interest Owners may be made if signed by	40 41
42	all Working Interest Owners.	42
42	20.2 Action by Working Interest Owners. Except as otherwise	43
44	provided in this agreement, any action or approval required by Working	44
45	Interest Owners hereunder shall be in accordance with the provisions of	45
46	the Unit Operating Agreement.	46
47	the third operating ingredient.	47
48	20.3 Lien and Security Interest of Unit Operator. Unit Opera-	48
49	tor shall have a lien upon and a security interest in the interests of	49
50	Working Interest Owners in the Unit Area as provided in the Unit Operating	50
51	Agreement.	51
52		52
53		53
54	-23-	54

ARTICLE 21 NONDISCRIMINATION		
21.1 Nondiscrimination. In connection with the performance of work under this agreement, Unit Operator agrees to comply with all of the 6		
work under this agreement, provisions of Section 202 ((30 FR 12319), as amended,	Unit Operator agre 1) to (7) inclusiv	ees to comply with all of the
this agreement.		
	ARTICLE 22	
SUC	CESSORS AND ASSIGN	NS
be binding upon, and inure	to the benefit of	agreement shall extend to, the parties hereto and their
and shall constitute a cover		tives, successors, and assigns,
terests covered hereby.	nant tunning with	the rands, reases, and rif-
terests covered hereby.		
IN WITNESS WHEREO	F, the parties her	reto have executed this
agreement on the dates oppo		
170 B	VINO INTERPOR OFFI	ZDC
<u>wor</u> .	KING INTEREST OWNE	200
CITIES SERVICE OIL AND GAS CORPORATION	Date Signed	Attest, if a Corporation or Witness, if an Individual
Ву	***************************************	
Attorney-in-Fact		
	ROYALTY OWNERS	
Name	Date Signed	Attest, if a Corporation or Witness, if an Individual
		withess, it an individual
	-24-	

STATE OF	The foregoing day of, as Attorney-in-	instrument was acknowly, 19, by	ledged before me thi
STATE OF	My commission expires:		Notary
day of, 19, by)) ss)	(Corporatio
STATE OF			
STATE OF) SS (Individual COUNTY OF) The foregoing instrument was acknowledged before me this	day of	of corporation, on behal	f of said corporation
		of	lf of said corporation
	My commission expires: STATE OF	_ corporation, on behall	if of said corporation



17 N

EXHIBIT "A"

WEST BRAVO DOME UNIT AREA

HARDING COUNTY, NEW MEXICO

Revised 7/10/84

WORKING INTEREST & PERCENTAGE		AMERADA HESS CORPORATION 100%	AMERADA HESS CORPORATION 100%	CO2-IN-ACTION	CO2-IN-ACTION
OVERRIDING ROYALIY & PERCENTAGE		PUBLIC LANDS ROYALIY TRUST 10% GEORGE L. SCOTT 2.5%	PUBLIC LANDS ROYALTY TRUST 10% GEORGE L. SCOTT 2.5%	RIO PETRO, LID. 2.28	RIO PETRO, LID. 2.2%
LESSEE OF RECORD		AMERADA HESS CORPORATION	AMERADA HESS CORPORATION	CO2-IN-ACTION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY		U.S.A ALL	U.S.A ALL	U.S.A ALL	U.S.A ALL
SERIAL NO. & EXPIRATION DATE		MM-19714 3-31-84	NM-27898 8-31-86	NM-30227 8-31-87	NM-31706 12-31-87
NO. OF ACRES		1000.00	676.86	319.44	99.096
TRACT DESCRIPTION	ALL IN HARDING COUNTY	F-101 <u>T-19N, R-29E</u> NWSW SEC. 27 E/2SE & SWSE SEC. 28; SENW SEC. 30; E/2 SEC. 33; S/2 & SWNE SEC. 34; S/2SW & NWSW SEC. 35	F-102 <u>T-18N, R-29E</u> LOTS 1 & 2 & S/2 NE & S/2 SEC. 3; E/2SE SEC. 4; SENE, E/2SE SEC. 13	F-103 T-18N, R-29E LOTS 1 & NESE SEC. 6; NENW & NWNE SESW SEC. 20; NWNE & W/2SW SEC. 29	F-104 T-17N, R-29E NWSW SEC. 3; LOT 2 & SWNE SEC. 4; SWNW & E/2SE SEC. 9; E/2NW & E/2 SEC. 10; N/2NW & NWNE & S/2S/2 SEC. 11; SESW SEC. 17

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 100%	AMERADA HESS CORPORATION 100%	AMERADA HESS CORPORATION 100%	CO2-IN-ACTION 100%	CC2-IN-ACTION 100%
OVERRIDING ROYALITY & PERCENTAGE		PUBLIC LANDS ROYALITY TRUST 10% GEORGE L. SCOTT 2.5%			
LESSEE OF RECORD	CO2-IN-ACTION	AMERADA HESS CORPORATION	AMERADA HESS CORPORATION	CO2-IN-ACTION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	U.S.A ALL	U.S.A ALL	U.S.A ALL	U.S.A ALL	U.S.A ALL
SERIAL NO. & EXPIRATION DATE	NM-31848 1-31-88	NM-19705 11-30-84	NW-31154 10-30-87	NM-44598 6-30-86	NN-44599 6-30-86
NO. OF ACRES	360.00	79.50	320.00	40.00	120.00
CT DESCRIPTION	05 T-17N, R-29E SWSE & SESW SEC. 3; N/2NW & NWSW & NE SEC. 20	06 <u>T-18N, R-30E</u> LOT 4, SESW SEC. 18	07 <u>T-18N, R-29E</u> NENW SEC. 29; SESW & SE & S/2NE SEC. 35	08 <u>T-19N, R-29E</u> SENE SEC. 3	09 T-19N, R-29E N/2NE & SESW SEC, 10
TRACT NO.	F-105	F-106	F-107	F-108	F-109

9 FEDERAL TRACTS CONTAINING 3,876.46 ACRES OR 8.98% OF THE UNIT AREA

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%
OVERRIDING ROYALIY & PERCENTAGE						
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL
SERIAL NO. & EXPIRATION DATE	L-5776-2 HBP	L-5777-2 HBP	L-5811-2 HBP	L-5812-2 HBP	L-5813-2 HBP	L-5814-2 HBP
NO. OF ACRES	520.00	640.00	920.00	760.00	239.52	958.35
DESCRIPTION	T-20N, R-29E S/2S/2 SEC. 29; S/2NW & SWNE & N/2S/2 & SESE & SWSW SEC. 33	T-20N, R-29E ALL SEC. 32	T-19N, R-29E SWSW SEC. 2; SENE & E/2SE SEC. 10; N/2NE & NEW SEC. 15; ALL SEC. 16	T-19N, R-29E SW & W/2SE & SWNE & S/2NW & NWNW SEC. 11; W/2NE & NW SEC. 14; S/2NE & SENW SEC. 15	T-19N, R-29E IOTS 2, 3 & 4 & S/2NW & SWNE SEC. 3	T-19N, R-29E SE SEC. 3; LOTS 1, 3 & 4 & S/2NW & SENE & SE & W/2SW SEC. 4; LOTS 1, 2, 3 & 4 & S/2N/2 SEC. 5
TRACT NO.	S-501	s-502	<i>S</i> -503	S-504	s-505	S-506

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%
OVERRIDING ROYALIY & PERCENTAGE						
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND CAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE CWNERSHIP OF BASIC ROYALIY	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL
SERIAL NO. & EXPIRATION DATE	L-5815-2 HBP	L-5816-2 HBP	L-5817-2 HBP	L-5826-2 HBP	L-5827-2 HBP	L-5828-2 HBP
NO. OF ACRES	640.00	1240.00	720.00	630.96	872.44	40.00
DESCRIPTION	T-19N, R-29E E/2 & W/2NW & E/2SW SEC. 9; NW SEC. 10	T-19N, R-29E N/2 & N/2SE & NESW SEC. 22; SWSW SEC. 26; SENE & E/2SE SEC. 35; ALL SEC. 36	T-19N, R-29E E/25W & SE SEC. 24; E/2 & E/2W/2 SEC. 25	T-19N, R-30E LOTS 1, 2, 3 & 4 & E/2W/2 & E/2 SEC, 30	T-19N, R-30E LOTS 2, 3 & 4 & E/2SW & SENW & S/2NE & SE SEC. 31; NW & N/2SW & SESW & W/2SE & SESE SEC. 32	T-19N, R-30E SWSW SEC, 32
TRACT NO.	S-507	s-508	S-509	s-510	S-511	s-512

WORKING INTEREST & PERCENTAGE	CITTES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND CAS CORPORATION 100%	AMERADA HESS CORPORATION 100%	AMERADA HESS CORPORATION 100%
OVERRIDING ROYALIY & PERCENTAGE					CLARENCE BRICE AND ANNIE B. BRICE, HIS WIFE 6.25%
LESSEE OF RECORD	CITTES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	AMERADA HESS CORPORATION	AMERADA HESS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL
SERIAL NO. & EXPIRATION DATE	L-5852-2 HBP	L-5853-2 HBP	L-5856-2 HBP	LG-4586 9-1-87	LG-4601 9-1-87
NO. OF ACRES	635.46	476.18	438.34	1200.71	317.28
TRACT NO. DESCRIPTION	S-513 T-18N, R-30E LOTS 3, 4 & SENW SEC. 5; SWSE & SESW SEC. 6; LOTS 1, 2, 3 & 4 & E/2W/2 & NWNE & S/2SE SEC. 7	S-514 T-18N, R-30E LOTS 1, 2 & SWNW, SENE SEC. 5; LOTS 1, 2, 3, 4 & 5 & SENW & S/2NE SEC. 6	S-515 <u>T-18N, R-30E</u> LOTS 1 & 2 & NENW & S/2SE SEC. 18; NE & E/2SE SEC. 19	S-516 T-17N, R-29E IOTS 1, 2 & 3 & S/2NE & SENW & S/2 SEC. 2; ALL SEC. 16	S-517 <u>T-18N, R-29E</u> LOTS 1, 2 3 & 4 & S/2N/2 SEC. 1

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 1008	AMERADA HESS CORPORATION 1008	AMERADA HESS CORPORATION 100%	GULF OIL CORPORATION 100%	GULF OIL CORPORATION 100%	GULF OIL CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%
OVERRIDING ROYALITY & PERCENTAGE	RIO PETRO, LID. 2.2%						
LESSEE OF RECORD	CO2-IN-ACTION	AMERADA HESS CORPORATION	AMERADA HESS CORPORATION	GULF OIL	GULF OIL CORPORATION	GULF OIL CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL
SERIAL NO. & EXPIRATION DATE	LG-4602-3 9-1-87	LG-4603 9-1-87	LG-4604 9-1-87	LG-5052 1-1-88	LG-5053 1-1-88	LG-5054 1-1-88	L-5823-2 HBP
NO. OF ACRES	911.94	880.00	1080.00	1156.90	320.00	538.45	40.00
OT DESCRIPTION	18 T-18N, R-29E N/2S/2, SESW S/2SE SEC. 1	NEW & N/2NE & SENE & SENE & SENE & SESE SEC. 12; NENE SEC. 13; ALL SEC. 16	20 T-18N, R-29E E/2NE & SWNW & S/2 SEC. 32; ALL SEC. 36	21 T-17N, R-29E LOTS 4, 5 & 6 & NE & E/2SE SEC. 19; S/2S/2 & NESE SEC. 20; S/2 SEC. 21; S/2 SEC. 22	22 T-17N, R-29E N/2 SEC. 28	23 <u>T-17N, R-29E</u> LOTS 4 & 6 & N/2 & W/2SE & E/2SW SEC, 29	S-524 T-19N, R-30E NWSW SEC. 29
TRACT NO.	S- 518	s-519	S-520	s-521	s-522	S-523	S-524

EXHIBIT "B"

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	UNIEASED 1008
OVERRIDING ROYALIY & PERCENTAGE			
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	UNLEASED
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL	STATE OF NEW MEXICO - ALL
SERIAL NO. & PEXPIRATION OF DATE B	L-5857-2 HBP	L-5859-2 HBP	HBP
NO. OF ACRES	160.00	40.00	40.00
DESCRIPTION	S-525 T-18N, R-30E NW SEC. 20	S-526 T-18N, R-30E NWNW SEC. 29	S-527 T-18N, R-30E NENE SEC. 30
TRACT NO.	S-525	s-526	S-527

27 STATE TRACTS CONTAINING 16,416.53 ACRES OR 38.04% OF THE UNIT AREA

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 66.666667%	CO2-IN-ACFION 33,333338 100,000008	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 50%	CO2-IN-ACTION 508	
OVERRIDING ROYALIY & PERCENTAGE		RIO PETRO, LID73333\$				G. D. BOWIE, JR., ET AL	85% OF 50% TOTAL PRODUCTION
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION 67%	CO2-IN-ACTION 33%	CITIES SERVICE OIL AND GAS CORPORATION	CITTES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CO2-IN-ACTION 50%	
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	R. E. TRUJILLO SR. ET UX 4.16667% GEORGE E. TRUJILLO	ERNEST V. TRUJILLO 4.16668 12.500008	NORMAN W. LIBBY ET UX 12.5%	BESSIE BROWN 12.5%	R. E. BROWN ET UX 6.25000%	REGINA ACKER WARREN ET VIR	KATHERINE C. ACKER 3.125%
SERIAL NO. & EXPIRATION DATE	5-19-85 HBP 5-20-85	2-24-88	9-22-85	3-15-85	3-15-85	2-22-89	2-7-89
NO. OF ACRES	318.56		160.00	434.22	240.00		
DESCRIPTION	T-18N, R-29E W/2 SEC. 5		T-18N, R-29E SWINE & E/2NW & NWSE SEC, 30	T-18N, R-29E NW SEC, 3; NE & N/2NW & SENW SEC, 4	T-18N, R-29E E/2SE SEC. 7 SW SEC. 8		
TRACT NO.	2001		2002	2003	2004		

WORKING INTEREST & PERCENTAGE													
OVERRIDING ROYALITY & PERCENTAGE													
LESSEE OF RECORD	VIR									REWER			
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	MARY ANN ACKER WALITERSCHIED ET VIR	AURELIA ACKER SCHOENENBERGER	ET VIK 0.26041% LAWRENCE ACKER ET UK	U.ZOU415 JOSETTA ACKER HEINRICH	ET VIR 0.26042% GERALD ACKER	0.26042% IORENE ACKER DICK ET VIR	0.26042% JAMES ACKER ET UX	0.26042% ROBERT ACKER ET UX	0.26042% IRENE ACKER GIDDEN ET VIR	BERNICE ACKER BREWER	CHARLES ACKER	0.260428 12.500008	
SERIAL NO. & EXPIRATION DATE	2-22-89	2-22-89	2-22-89	2-22-89	2-22-89	2-22-89	2-22-89	2–22–89	2-22-89	2-22-89	2-22-89		
NO. OF ACRES													

TRACT DESCRIPTION

2004 CONT'D

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 66.66667% CO2-IN-ACTION 33.33333% 100.00000%
OVERRIDING ROYALITY & PERCENTAGE				RIO PETRO, LID73333\$
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION 678 CO2-IN-ACTION 338
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	SAM MARTINEZ 12.58	JANETTE J. ALFORD, ET VIR 12.58	R. E. TRUJILLO SR., ET UX 12.5%	R. E. TRUJILLO SR., ET UX 4.16667% GEORGE E. TRUJILLO 4.16667% ERNEST V. TRUJILLO 4.16666% 12.50000%
SERIAL NO. & EXPIRATION DATE	5-21-85	5–17–85	5–19–85	5-19-85 5-20-85 2-24-88
NO. OF ACRES	197.54	398.32	1720.00	280.00
DESCRIPTION	T-19N, R-29E W/2NW & N/2SW SEC, 21 T-20N, R-29E IOT 4 SEC, 31	T-18N, R-29E NW & W/2NE SEC, 17; N/2N/2 SEC, 18	T-19N, R-29E NE SEC. 19 E/ZW/2 & W/2E/2 SEC. 20; SMNW SEC. 28; W/2 & W/2E/2 & SENE & NESE SEC. 29; E/2 SEC. 30; W/2 SEC. 32	T-19N, R-29E N/2NE & SENE & SE SEC. 31
TRACT NO.	2005	2006	2007	2008

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 16.66667%	CITIES SERVICE OIL AND GAS CORPORATION	83,33338 100,000008		CITIES SERVICE OIL AND GAS CORPORATION 50%	CO2-IN-ACTION 508 1008
OVERRIDING WE ROYALIY & II PERCENTAGE PI	RIO PETRO, CO. LID36667% 16.	7.00 10.00	83		1.	RIO PETRO, LID. 1.10000%
LESSEE OF RECORD	CO2-IN-ACTION 178	CITIES SERVICE OIL AND GAS CORPORATION	83\$		CITIES SERVICE OIL AND GAS COR- PORATION 50%	CO2-IN-ACTION 50%
PERCENTAGE OWNERSHIP OF BASIC ROYALIX	ERNEST V. TRUJILLO	R. E. TRUJILLO SR., ET UX 2.08333%	GEORGE E. TRUJILLO 2,08333%	CHARLES G. PARKE ET AL 9.375008 15.625008	GEORGE E. TRUJILLO 6.25%	ERNEST V. TRUJILO 6.258 12.508
SERIAL NO. & EXPIRATION DATE	2-24-88	5-19-85	5-20-85	6-18-89	5-20-85	2-24-88
NO. OF ACRES	160.00				627.52	
DESCRIPTION	T-19N, R-29E W/ZW/2 SEC. 20				T-19N, R-29E LOT 3 & SE SEC, 18:	LOTS 1, 2, 3 & 4 & E/2NW & NESW SEC. 19; LOTS 1, 2 & 3 & NENW SEC. 30
TRACT NO.	2009				2010	

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 50%	RIO PETRO, LID. CO2-IN-ACTION .55000%	AMERADA HESS CORPORATION 258 1008
OVERRIDING ROYALIY & PERCENTAGE		RIO PETRO, L.	
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION 50%	CO2-IN-ACTION 25%	AMERADA HESS CORPORATION 25%
PERCENTAGE OWNERSHIP OF BASIC ROYALTY	GEORGE E. TRUJILLO 3.125% ELLEN DRAKE KINGSBURY 2.34375% RETURY DRAKE	RIPPEL 2.34375% ERNEST V. TRUJILLO 3.125%	FEDERAL LAND BANK OF WICHITA 4.68758 15.6258
SERIAL NO. & EXPIRATION DATE	5-20-85 5-21-89	2-24-88	3-19-85
NO. OF ACRES	118.33		
TRACT NO. DESCRIPTION	2011 <u>T-19N, R-29E</u> LOT 4 & E/2SW SEC. 18		

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%		CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 1008
OVERRIDING WO ROYALIY & IN PERCENTAGE PE	ប៊ ៦ ស		ខ 68	568
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION		CITIES SERVICE OIL AND CAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	RAY C. MCDANIEL ET UX 12.58		CELSO MARTINEZ 12.58	EUFRACIO BACA ET UX 12.58
SERIAL NO. & EXPIRATION DATE	6-4-85		6-10-85	7-7-85
NO. OF ACRES	951.52		150.96	1560.38
DESCRIPTION	T-18N, R-29E LOTS 2, 3, 4, 6 & 7 & SENW & S/2NE & E/2SW & NWSE & S/2SE SEC. 6; NE SEC. 7; NW SEC. 8;	T-19N, R-29E LOTS 2, 3 & 4 SEC. 31	T-19N, R-29E LOTS 4, 5, 6 & 7 SEC. 6	T-17N, R-29E SWSW SEC. 1; LOT 4 & SWNW SEC. 2; LOT 1 & S/2NE & N/2SE & SESE SEC. 3; NENE SEC. 11; W/2 & SE & SENE SEC. 12; NW & SWNE SEC. 13; N/2NE & NENW SEC. 14; T-18N, R-29E N/2NE & NENW SEC. 14; SEC. 14; SEC. 14; SEC. 14; SEC. 14; SEC. 35
TRACT NO.	2012		2013	2014

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100\$	CITIES SERVICE OIL AND GAS CORPORATION 100%
OVERRIDING ROYALIY & PERCENTAGE					
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	EDWARD ARBUCKLE ET UX 12.5%	JAMES K. BYRD ET UX 12.5%	JAMES K. BYRD ET UX 6.25% SUN OIL COMPANY 9.375% 15.625%	ELOY BACA ET UX 12.58	MARGARITO GARCIA ET UX 12,58
SERIAL NO. & EXPIRATION DATE	7-3-85	9-15-91	9-15-91	7-8-85	7-9-85
NO. OF ACRES	320.00	40.00	360.00	480.00	660.00
DESCRIPTION	T-18N, R-29E SWNE & NWSE & S/2SE SEC, 20; SWNW & NWSW & S/2SW SEC, 21	T-18N, R-29E SWNW SEC. 10	T-18N, R-29E NE & NWSE & SESW SEC, 9; NWNW & E/2NW SEC, 10	T-17N, R-29E W/2 SEC, 15 NW SEC, 22	T-17N, R-29E SW SEC, 4; NESE & S/2SE SEC, 5; NENE SEC, 8; NWNW & W/2NEW & W, 30 AC, OF SENW SEC, 9; S/2NE & N/2SE & SENW & NESW & E/2E/2E/2SWNW & E/2E/2E/2SWNW &
TRACT NO.	2015	2016	2017	2018	2019

WORKING INTEREST & PERCENTAGE	CITIES SERIVCE OIL AND GAS CORPORATION 66.66667% AMERADA HESS CORPORATION 33.33333% 100.00000%	CITIES SERVICE OIL AND GAS CORPORATION 508 AMERADA HESS CORPORATION 508 1008
OVERRIDING ROYALIY & PERCENTAGE		
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION 66.666678 AMERADA HESS CORPORATION 33.333338	CITIES SERVICE OIL AND GAS CORPORATION 50% AMERADA HESS CORPORATION 50% N,
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	ROY G. HARNEY* ET UX 8.33348 BETTY DRAKE RIPPEL 2.083338 ELLEN DRAKE KINGSBURY 2.083338 12.500008 12.500008 *RATIFIED BY ALFRED D. KOEHN, ET UX	ROY G. HARNEY* C ET UX 6.25\$ C FEDERAL LAND C BANK OF WICHITA 4.6875\$ BETTY DRAKE RIPPEL 1.5625\$ ELLEN DRAKE KINGSBURY 1.5625\$ 14.0625\$ ALFRED D. KOEHN, ET UX
SERIAL NO. & EXPIRATION DATE	7-2-85 2-2-90 2-2-90	7-2-85 3-19-85 2-2-90 2-2-90
NO. OF ACRES	474.29	158.21
DESCRIPTION	T-19N, R-29E LOTS 3 & 4 & E/2 SW & SE SEC. 7; LOT 1 & NEW & N/2NE SEC. 18	T-19N, R-29E LOT 2 & SENW & S/2NE SEC. 18
TRACT NO.	2020	2021

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%		CITIES SERVICE OIL AND GAS CORPORATION 1008	CITIES SERVICE OIL AND GAS CORPORATION 1008	CITIES SERVICE OIL AND GAS CORPORATION 100%
OVERRIDING ROYALIY & PERCENTAGE					
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION		CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	JOE N. CORDOVA ET UX 12.58		ALECIO TRUJILLO ET AL 12.58	ALECIO TRUJILLO ET UX 12.58	JUAN J. TRUJILLO 12.58
SERIAL NO. & EXPIRATION DATE	7-23-85		8-1-85	8-2-85	8-2-85
NO. OF ACRES	1319,38		200.00	80.00	80.00
DESCRIPTION	T-17N, R-29E SWSW SEC. 3; SESE & W/2SE SEC. 4; SENW & E/2SW & NWSE SEC. 5; LOT 3 SEC. 6; E/2W/2 & W/2E/2 & SENE & E/2SE SEC. 9; W/2SW SEC. 9; N/2 SEC.	T-18N, R-29E LOT 3 & E/2SW SEC, 31	T-17N, R-29E W/2W/2 SEC. 17; N/2S/2NW SEC. 20	T-17N, R-29E E/2SW SEC. 9	T-17N, R-29E W/2SE SEC. 9
TRACT NO.	2022		2023	2024	2025

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 100%
WOR INIT	CITA	CIT
OVERRIDING ROYALIY & PERCENTAGE		
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	ALECIO TRUJILLO CITIES SERVICE & JUAN J. OIL AND GAS TRUJILLO CORPORATION 12.5%	DOROTHY J. LAUNDER 12.58
SERIAL NO. & EXPIRATION DATE	8-5-85	6-5-85
NO. OF ACRES	652.77	156.90
DESCRIPTION	T-17N, R-29E LOTS 2, 3 & 4 & S/2NW & NESW SEC. 3; LOT 1 & SENE & NESE SEC. 4; LOTS 3 & 4 SEC. 5; W/2NE & E/2NENW & E. 10 AC. OF SENW SEC. 9	T-18N, R-29E W/2SE & 20 AC. OF W/2E/2SE SEC. 31 T-18N, R-29E LOTS 1 & 2 & E/2NW SEC. 7
TRACT NO.	2026	2027

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 508 BENJAMIN F. BROWN 258 ALFRED KRESS 258 1008
OVERRIDING ROYALIY & PERCENIAGE		CE 50\$ BROWN 25\$
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION 50% BENJAMIN F. BROJUMLEASED 25% ALFRED KRESS UNLEASED 25%
PERCENTAGE OMNERSHIP OF BASIC ROYALIT	ARMAND LEE SMITH ET AL 12.58	ARMAND LEE SMITH ET AL 6.25% BENJAMIN F. BROWN 3.125% ALFRED KRESS 3.125%
SERIAL NO. & EXPIRATION DATE	7-30-85	7–30–85
NO. OF ACRES	2882.46	160.00
DESCRIPTION	ST-18N, R-29E W/2SE & SW SEC. 17; SE & E/2SW & LOT 3 SEC. 18, EXCEPT 5.85 ACRES DESCRIBED IN TRACT 2062; LOT 4 & E/2W/2 & E/2 SEC. 19; W/2W/2 & SEWW & NESW & E/2NE & NESW & E/2NE & NESW & E/2NE & NESW & E/2 SEC. 21; SWNE SEC. 22; NWNE & N/2W SEC. 22; NWNE & SWNE & NWNE & SWNE & NWSE & NESW & SEC. 29; K-2E/2 & NWNE & NWSE & NESW & SENW SEC. 29; K-2E/2 & NWNE & NESW & LOT 1 SEC. 30; NENE & S/2NE & E. 51 AC. OF SE SEC. 31; N/2NW & W/2NE & SENW SEC. 32	MY2SW & SESW & NWSE SEC. 33
TRACT NO.	2028	2029

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND CAS CORPORATION 100%	CITIES SERVICE OIL AND GAS CORPORATION 50%	CO2-IN-ACTION 508 1008	CITTES SERVICE OIL AND GAS CORPORATION 50%	CO2-IN-ACTION 308 AMERADA HESS CORPORATION 208
OVERRIDING ROYALIY & PERCENIAGE			G. D. BOWIE, JR., ET AL 6.625% OF 85% OF 50% TOTAL PRODUCTION		
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	CITIES SERVICE OIL AND GAS CORPORATION	CO2-IN-ACTION 50%	CITIES SERVICE OIL AND CAS CORPORATION	CO2-IN-ACTION 50%
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	CELEDONIA VIGIL ET UX 12.5%	JAMES K. BYRD ET UX 6.25%	RUFUS P. RANDOLPH ET AL 6.25% 12.50%	JAMES K. BYRD ET UX 6.25%	H. W. ALLEN ET UX 6.258 12.508
SERIAL NO. E EXPIRATION DATE	7-31-85	9-15-91		9-15-91	11-3-88
NO. OF ACRES	338.64	160.00		480.00	
DESCRIPTION	T-17N, R-29E N/2NENE SEC. 17; LOTS 1 & 2 & E/2NW & NE SEC. 18	T-18N, R-29E E/2SE SEC. 9; W/2SW SEC. 10		T-18N, R-29E W/2 SEC. 15; NW SEC. 22	
TRACT NO.	2030	2031		2032	

WORKING INFEREST & PERCENTAGE	AMERADA HESS CORPORATION 100%	CO2-IN-ACTION 77.78%
OVERRIDING ROYALIY & PERCENTAGE		
LESSEE OF RECORD	AMERADA HESS CORPORATION	CO2-IN-ACTION 78%
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	ANNIE ARAGON 1.38889% ABENECIO ARCHULETA, AKA JOE A. ARCHULETA 1.38889% ADELINA ACOSTA 1.38889% NICK ARCHULETA 1.38889% PACHECO 1.38889% PROCOPIO ARCHULETA 1.38889% PROCOPIO ARCHULETA 1.38889% TOWASITA ARCHULETA ARCHULETA 1.38889% TOWASITA ARCHULETA ARCHULETA ARCHULETA 1.38889% TOWASITA ARCHULETA 1.38889% TOWASITA ARCHULETA	ANCELETO ARCHULETA AKA NICK ARCHULETA, ET UX 14.5833%
SERIAL NO. & EXPIRATION DATE	1-10-90	5-9-85
NO. OF ACRES	322.92	80.00
DESCRIPTION	I-17N, R-29E IOTS 3, 4 & S/2NW SEC. 4; IOTS 1 & 2 & S/2NE SEC. 5	T-18N, R-29E S/2NE SEC. 18
TRACT NO.	2033	2034

WORKING INTEREST & PERCENTAGE	AMERADA HESS CORPORATION 22.22%	CO2-IN-ACTION 100%	CONOCO 100%	CONOCO 100%	CO2-IN-ACTION 100%	UNLEASED 100%
OVERRIDING ROYALIY & PERCENTAGE	~ 0				G. D. BOWIE, JR., ET AL 6.6258 ON 858 OF TOTAL	
LESSEE OF RECORD	AMERADA HESS CORPORATION 22%	CO2-IN-ACTION	CONOCO	CONOCO	CO2-IN-ACTION	UNLEASED
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	ADELINA ACOSTA 1.38889% PROCOPIO ARCHULETA 1.3889% 17.36111%	FRANK L. C. DEBACA 12.5%	ANTONIA V. DESANTIAGO 12.58	LUGARDITO DESANTIAGO 12.5%	DOROTHY D. HIGH ET AL 12.58	FIOERSHEIM MERCANTILE 12,5%
SERIAL NO. & EXPIRATION DATE	1-10-90	11-13-88	7-5-88	7-5-88	4-16-89	
NO. OF ACRES		160.00	300.00	120.00	320.00	40.00
DESCRIPTION	Ω	T-17N, R-29E SW SEC. 14	T-17N, R-29E E/2NW & W/2NE & S/2NENE & E/2SE & SENE SEC. 17	T-17N, R-29E W/2SE & NESW SEC. 17	T-19N, R-29E SE SEC. 32; SW SEC. 33	2039 <u>T-18N, R-29E</u> SESE SEC. 17 EXHIBIT "B"
TRACT NO.	2034 CONT'D	2035	2036	2037	2038	2039 EXHIBI

WORKING INTEREST & PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 12.5%	CO2-IN-ACTION 50.08 UNLEASED 37.58 100.008	CITIES SERVICE OIL AND GAS CORPORATION 12.5%
OVERRIDING ROYALIY & PERCENIAGE			
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION 12.5%	CO2-IN-ACTION 50% UNLEASED 37.5% UNT UNT ST ST REN'S	CITIES SERVICE OIL AND GAS CORPORATION 12.5%
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	E. J. GANINON IV 1.171888 W. D. GANINON	IGNACIO VIGIL CO2-6.25\$ PATSY GANNON UNLER CAMPBELL S8594\$ PATSY GANNON CAMPBELL CHILDREN'S TRUST .97656\$ JEANNE GANNON HUNT CHILDREN'S TRUST JEANNE GANNON HUNT CHILDREN'S TRUST JEANNE GANNON HUNT CHILDREN'S TRUST JESS94\$ LUCILLE GANNON MURCHISON LUCILLE GANNON MURCHISON CHILDREN'S TRUST .97656\$ LUCILLE GANNON MURCHISON CHILDREN'S TRUST .97656\$ LUCILLE GANNON MURCHISON CHILDREN'S TRUST	E. J. GANNON IV 1.171888 W. D. GANNON 1.171888
SERIAL NO. & EXPIRATION DATE	9-10-84	11-21-88	9-10-84
NO. OF ACRES	40.00		40.00
DESCRIPTION	<u>1-17N, R-29E</u> NENE SEC. 9		T-17N, R-29E SENE SEC. 9
TRACT NO.	2040		2041

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 50.08 UNIEASED 37.58 100.08	CONOCO 1008	AMERADA HESS CORPORATION 100%
OVERRIDING ROYALIY & PERCENIAGE			
LESSEE OF RECORD	CO2-IN-ACTION 50% UNLEASED 37.5% UNT UNT T	CONOCO 100%	AMERADA HESS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC OWNERSHIP	IGNACIO VIGIL CO 6.25% 500 PATSY GANNON UN CAMPBELL .58594% PATSY GANNON CAMPBELL CHILDREN'S TRUST .97656% JEANNE GANNON HUNT CHILDREN'S TRUST .97656% LUCILLE CANNON MURCHISON CHILDREN'S TRUST .58594% LUCILLE CANNON MURCHISON CHILDREN'S TRUST .97656% LUCILLE CANNON MURCHISON CHILDREN'S TRUST .97656% LUCILLE CANNON CHILDREN'S	MACDALENA PACHECO 6.944448 FRANK CARCIA AKA FRANCISCO CARCIA 5.555568 12.500008	LYELL G. HAZEN ET UX 12.58
SERIAL NO. & EXPIRATION DATE	11-21-88	6-19-88	12-10-89
NO. OF ACRES		240.00	40.00
TRACT DESCRIPTION	2041 COMT'D	2042 T-17N, R-29E W/2NW SEC. 14; NE SEC. 15	2043 T-19N, R-29E SESW SEC. 19 EXHIBIT "B"

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WORKING INTEREST & PERCENTAGE	CONOCO	CO2-IN-ACTION	CO2-IN-ACTION 100%	CONOCO
OVERRIDING ROYALIY & PERCENTAGE		RIO PETRO, LID. 2.2%		
LESSEE OF RECORD	CONOCO	CO2-IN-ACTION	CO2-IN-ACTION	CONOCO
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	CLORINDA JIMENEZ 12.58	ALBIRIA MARTINEZ 12.5%	VICENTITA MATA 12.5%	SAMUEL T. MITCHELL 12.5%
SERIAL NO. & EXPIRATION DATE	7-31-88	5–3–88	11-18-88	9-1-88
NO. OF ACRES	132.43	115.41	180.00	160.00
DESCRIPTION	T-17N, R-29E LOTS 3 & 4 & W/2NESW & SESW SEC, 18	T-18N, R-29E LOT 4 SEC. 18; LOTS 1 & 2 SEC. 19	T-17N, R-29E SE & E/2NESW SEC, 18	T-17N, R-29E NE SEC. 22
TRACT NO.	2044	2045	2046	2047

WORKING INTEREST & PERCENTAGE	CONOCO 100%	CO2-IN-ACTION 100%	CO2-IN-ACTION 100%
OVERRIDING ROYALIY & PERCENTAGE			G. D. BOWIE, JR., ET AL 6.625% ON 85% OF TOTAL PRODUCTION
LESSEE OF RECORD	CONOCO 100%	CO2-IN-ACTION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	SAMUEL T. MITCHELL 12.58	IGNACIO VIGIL ET UX 12.5%	BENITO PACHECO 6.25% JOE A. PACHECO 6.25% 12.50%
SERIAL NO. & EXPIRATION DATE	9-1-88	11-21-88	6-16-89
NO. OF ACRES	160.00	40.00	160.53
DESCRIPTION	T-17N, R-29E SE SEC. 15	T-17N, R-29E NANW SEC. 10	T-17N, R-29E SWNW SEC. 5; LOTS 1 & 2 & SENE SEC. 6
TRACT NO.	2048	2049	2050

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION	AMERADA HESS CORPORATION 100%	CO2-IN-ACTION
OVERRIDING ROYALITY & PERCENTAGE			G. D. BOWIE, JR., ET AL 6.625% ON 85% OF TOTAL PRODUCTION
LESSEE OF RECORD	CO2-IN-ACTION	AMERADA HESS CORPORATION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	WILLIAM C. O'KEEFE CONSERVATOR OF THE ESTATE OF ALICE MABEL REXROAD 12.58	ARMAND L. SMITH ET UX 6.25% SIDNEY C. SMITH ET UX 6.25% 12.50%	SAMANTHA S. GALLENTINE ET VIR 2.5000% BARBARA G. SCHEIBLING ET VIR 62500% JAMES S. STICKEL ET UX 62500% STEVE STICKEL 62500% PATRICIA HENSEL ET VIR 83333%
SERIAL NO. & EXPIRATION DATE	12-27-88	2-25-85	5-16-85 5-16-85 5-16-85 5-16-85
NO. OF ACRES	80.00	120.00	158.64
DESCRIPTION	T-18N, R-29E W/2NW SEC. 29	T-18N, R-29E E/2NE & NESE SEC, 17	T-18N, R-29E LOTS 1 & 2 & S/2NE SEC. 5
TRACT NO.	2051	2052	2053

WORKING INTEREST & PERCENTAGE		AMERADA HESS CORPORATION 100%	AMERADA HESS CORPORATION 100%
OVERRIDING ROYALIY & PERCENIAGE			
LESSEE OF RECORD	EL UNLEASED	AMERADA HESS CORPORATION	AMERADA HESS CORPORATION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	JOYCE K. MILLER ET VIR .83333& AUGUST C. STICKEL III .83334& DANIEL A. STICKEL .41668 EUGENE S. STICKEL III, ET UX .41667& DORTHEA K. STICKEL ET UX .11550008 SARAH E. WORK ET VIR DAVID STICKEL C.550008 2.500008 2.500008 2.500008	ANTONIO TRUJILLO 12.58	R. E. TRUJILLO ET UX 12.5%
SERIAL NO. & EXPIRATION DATE	5-16-85 5-16-85 5-16-85 5-16-85 5-16-85	7-19-87	8-15-87
NO. OF ACRES		278.59	160.00
DESCRIPTION		T-19N, R-29E NWSW SEC. 26; NESW & N/2SE SEC. 27; IOT 4 & E/2SW SEC. 30	T-19N, R-29E SE SEC. 19
TRACT NO.	2053 CONT 1D	2054	2055

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 100%	CO2-IN-ACTION 100%	100%
OVERRIDING ROYALIY & PERCENTAGE		RIO PETR LID. 2.2%	
LESSEE OF RECORD	CO2-IN-ACTION	CO2-IN-ACTION	COMOCO
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	IGNACIO VIGIL ET UX 12.5%	MARION BRUCE ET UX 12.5%	SAMANTHA S. GALLENTINE ET VIR 2.5% BARBARA G. SCHEIBLING .62500% JAMES S. STICKEL .62500% STEVE STICKEL .62500% PATRICIA HENSEL .83333% JOYCE K. MILLER .83333%
SERIAL NO. & EXPIRATION DATE	11-21-88	2-14-88	6-22-78 6-22-78 6-22-78 6-22-78 6-22-78
NO. OF ACRES	200.00	40.00	480.00
DESCRIPTION	T-17N, R-29E SW & SWNW SEC, 10	T-18N, R-29E SWSW SEC. 9	T-19N, R-29E W/2SW & SESW SEC. 28; SESE SEC. 29; NE SEC. 32; NW SEC. 33
TRACT NO.	2056	2057	2058

TRACT NO. D	N DESCRIPTION A	NO. OF ACRES	SERIAL NO. & EXPIRATION DATE	PERCENTAGE OWNERSHIP OF BASIC ROYALITY	LESSEE OF RECORD	OVERRIDING ROYALIY & PERCENTAGE	WORKING INTEREST & PERCENTAGE
2058 CONT'D			6-22-78	AUGUST C. STICKEL III			
			6-22-78	.033346 DANIEL A. STICKEL A16668			
			6-22-78	EUGENE S. STICKEL III			
			6-22-78	.4100/8 MARY C. STICKEL ET AL			
			6-22-78	.41667% T. J. STICKEL 1 25000%			
			6-22-78	SARAH E. WORK			
			6-22-78	ET VIK 2.50000% DAVID STICKEL .62500% 12.50000%			
	300 - H WYL H						
600 000 000	SEW SEC. 14 40	40.00	12-8-79	NATALIE G. MITCHELL AND SHERRIE G. MITCHELL, JOINT TENANTS 12.58	AMERADA HESS CORPORATION		AMERADA HESS CORPORATION 100%
2060	T-18N, R-29E SWSE SEC. 9 40	40.00	9–15–91	JAMES K. BYRD ET UX 6.25% SUN OIL COMPANY 12.5%	CITIES SERVICE OIL AND CAS CORPORATION	ជា	CITIES SERVICE OIL AND GAS CORPORATION 100%
EXHIBIT "B"	"B"			18, 758			

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION	CO2-IN-ACTION 100%
OVERRIDING ROYALITY & PERCENTAGE	RIO PETRO, LID. 2.2%	RIO PETRO, LID. 2.2%
LESSEE OF RECORD	CO2-IN-ACTION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	MARION BRUCE ET UX 12.5%	ANTONIO GRIEGO ET UX 12.58
SERIAL NO. & EXPIRATION DATE	2-14-88	2-24-88
NO. OF ACRES	320.00	78.25
DESCRIPTION	T-18N, R-29E SWSE SEC. 4; NESE SEC. 8; NW & N/2SW SEC. 9	T-18N, R-29E LOT 2 & SENW SEC. 18 INCLUDING TWO TRACTS IN N/2 SW/4 CON- TAINING 3.85 ACRES, M/L, AND 2.00 ACRES, M/L, RESPECTFULLY, AND EXCLUDING TRACTS IN THE SE/4 NW/4 CONTAINING 3.9 ACRES, M/L AND SW/4NW/4 CON- TAINING 2.00 ACRES, M/L.
TRACT NO.	2061	2062

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 50% E.J. GANNON, JR 50% 100%	CO2-IN-ACTION 100%	CO2-IN-ACTION 100%	CO2-IN-ACTION 100%
OVERRIDING ROYALIY & PERCENTAGE	RIO PETRO, LID. 1.18	RIO PETRO, LID. 2.28	RIO PETRO, LID. 2.28	RIO PETRO, LID. 2.2%
LESSEE OF RECORD	CO2—IN-ACTION 50% UNLFASED 50%	CO2-IN-ACTION	CO2-IN-ACTION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	KATHERINE V. HEIMANN 8.333338 E. J. GANNON, JR. 6.258	EDITH SHRUM	LOLA B. FITTER	BILLY M. HAZEN ET UX 12.58
SERIAL NO. & EXPIRATION DATE	5-18-88	2-10-88	2-24-88	4-3-88
NO. OF ACRES	310.94	400.00	280.00	236.74
DESCRIPTION	T-20N, R-29E LOTS 1, 2 & 3 & NEMW & E/2SW & N/2SE SEC. 31	T-18N, R-29E SW & NWSE & SWNW SEC. 4; SE SEC. 5	T-18N, R-29E NE & W/2SE & SESE SEC. 8	T-18N, R-29E LOTS 3 & 4 & E/2 SW & W/2SE SEC. 7
TRACT NO.	2063	2064	2065	2066

WORKING INTEREST & PERCENTAGE	CO2-IN-ACTION 100%	CO2-IN-ACTION 100%
OVERRIDING ROYALTY & PERCENTAGE	G. D. BOWIE, JR., ET AL 6.625% ON 85% OF TOTAL PRODUCTION	
LESSEE OF RECORD	CO2-IN-ACTION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	KRISTEN GALEN TRIGG 3.51562% STEPHEN TALBOT TRIGG ET AL 10.54688% THOMAS E. MCCULLOUGH 1.17188% LOUISE TALBOT TRIGG 2.34375% LINDA M. DECKER 1.17187% 18.75000%	MAGDALENA PACHECO 6.944448 FRANK GARCIA 5.555568 12.500008
SERIAL NO. & EXPIRATION DATE	5-13-85 5-13-85 5-13-85 5-13-85	6-19-88
NO. OF ACRES	120.00	70.00
DESCRIPTION	T-17N, R-29E S/2S/2NW & NESW & NWSE SEC. 20	T-17N, R-29E W/2SMNW & W/2E/2SWNW & W/2E/2SWNW & W/2E/2SWNW & W/2E/2L/2SWNW & W/2E/2NWSW & W/2E/2NWSW S
TRACT NO.	2067	2068

DING WORKING Y & INTEREST & TAGE PERCENTAGE	CITIES SERVICE OIL AND GAS CORPORATION 100%	AMERADA HESS CORPORATION 100%	ETRO, CO2-IN-ACTION 2.2% 100%
OVERRIDING ROYALIY & PERCENTAGE			N RIO PETRO, LID. 2.2%
LESSEE OF RECORD	CITIES SERVICE OIL AND GAS CORPORATION	AMERADA HESS CORPORATION	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALIY	ARMAND LEE SMITH AND SIDNEY CRAIG SMITH 18.758	ANTONIO TRUJILLO 12.58	ALBIRIA MARTINEZ 12.58
SERIAL NO. & EXPIRATION DATE	6-19-84	7-19-87	5-3-88
NO. OF ACRES	ທ ອຸ	238.63	39.09
DESCRIPTION	T-18N, R-29E 5.9 ACRES DESCRIBED AS FOLLOWS; A STRIP OF LAND 4 RODS UONG ADJOINING THE EASTERN BOUND- ARY, AND A STRIP OF LAND 4 RODS UONG ADJOINING THE NORTHERN BOUNDARY, SE/4NW/4, CONTAINING 3.9 ACRES, MORE OR LESS; AND A STRIP OF LAND 4 RODS WIDE AND 80 RODS LONG ALONG THE NORTHERN BOUNDARY, SW/4NW/4, CONTAINING 2.00 ACRES, M/L IN SEC. 18	T-19N, R-29E LOT 1, E/2W/2 SWNE SEC. 31	<u>T-18N, R-29E</u> LOT 3, SEC. 19
TRACT NO.	2069	2070	2071

WORKING INTEREST & PERCENTAGE	SEC DIVISION AMERICAS, INC. 100%	CO2-IN-ACTION 100%
OVERRIDING ROYALIY & PERCENTAGE	ប់	n RIO PETRO, LID. 2.2%
LESSEE OF RECORD	SEC DIVISION AMERIGAS, INC.	CO2-IN-ACTION
PERCENTAGE OWNERSHIP OF BASIC ROYALITY	T. E. MITCHELL & SON INCALL	KATHERINE V. HEINMANN 12.58
SERIAL NO. & PERCENTAGE EXPIRATION OWNERSHIP (DATE BASIC ROYA)	HBP	5-18-88
NO. OF ACRES	155.94	36.54
DESCRIPTION	T-18N, R-29E SWSW SEC.33 T-19N, R-29E LOTS 1, 2, & SENW SEC. 7	<u>T-20N, R-29E</u> LOT 4 SEC. 30
TRACT NO.	2072	2073

73 FEE TRACTS CONTAINING 22,860.55 ACRES OR 52.97% OF THE UNIT AREA

EXHIBIT "C" WEST BRAVO DOME UNIT HARDING COUNTY, NEW MEXICO

TRACT NUMBER	NUMBER OF ACRES	PERCENTAGE OF PARTICIPATION
F-101	1000.00	2.31731
F-102	676.86	1.56849
F-103	319.44	0.74024
F-104	960.66	2.22614
F-105	360.00	0.83423
F-106	79.50	0.18423
F-107	320.00	0.74154
F-108	40.00	0.09269
F-109	120.00	0.27808
S-501	520.00	1.20500
S-502	640.00	1.48308
S-503	920.00	2.13192
S-504	760.00	1.76115
s-505	239.52	0.55504
s-506	958.35	2.22079
s-507	640.00	1.48308
S-508	1240.00	2.87346
S-509	720.00	1.66846
S-510	630.96	1.46213
S-511	872.44	2.02171
S-512	40.00	0.09269
S-513	635.46	1.47256
S-514	476.18	1.10346
S-515	438.34	1.01577
S-516	1200.71	2.78241
S-517	317.28	0.73524
S-518	911.94	2.11325
S-519	880.00	2.03923
S-520	1080.00	2.50269
S-521	1156.90	2.68089
S-522	320.00	0.74154
S-523	538.45	1.24775
S-524	40.00	0.09269
S-525	160.00 40.00	0.37077 0.09269
S−526 S−527	40.00	0.09269
2001	40.00 318.56	0.09269
2001	160.00	0.73820
2002	434.22	1.00622
2003	434.22	1.00022

TRACT NUMBER	NUMBER OF ACRES	PERCENTAGE OF PARTICIPATION
2004	240.00	0.55615
2005	197.54	0.45776
2006	398.32	0.92303
2007	1720.00	3.98577
2008 2009	280.00 160.00	0.64885 0.37077
2010	627.52	1.45416
2010	118.33	0.27421
2012	951.52	2.20496
2013	150.96	0.34982
2014	1560.38	3.61588
2015	320.00	0.74154
2016	40.00	0.09269
2017	360.00	0.83423
2018	480.00	1.11231
2019	660.00	1.52942
2020	474.29	1.09908
2021	158.21	0.36662
2022	1319.38	3.05741
2023	200.00	0.46346
2024	80.00	0.18538
2025	80.00	0.18538
2026	652.77	1.51267
2027	156.90	0.36359
2028	2882.46	6.67955
2029	160.00	0.37077
2030 2031	338.64	0.78473 0.37077
2031	160.00 480.00	1.11231
2032	322.92	0.74831
2034	80.00	0.18538
2035	160.00	0.37077
2036	300.00	0.69519
2037	120.00	0.27808
2038	320.00	0.74154
2039	40.00	0.09269
2040	40.00	0.09269
2041	40.00	0.09269
2042	240.00	0.55615
2043	40.00	0.09269

EXHIBIT "C"
Page Three

TRACT NUMBER	NUMBER OF ACRES	PERCENTAGE OF PARTICIPATION
2044	132.43	0.30688
2045	115.41	0.26744
2046	180.00	0.41712
2047	160.00	0.37077
2048	160.00	0.37077
2049	40.00	0.09269
2050	160.53	0.37200
2051	80.00	0.18538
2052	120.00	0.27808
2053	158.64	0.36762
2054	278.59	0.64558
2055	160.00	0.37077
2056	200.00	0.46346
2057	40.00	0.09269
2058	480.00	1.11231
2059	40.00	0.09269
2060	40.00	0.09269
2061	320.00	0.74154
2062	78.25	0.18133
2063	310.94	0.72054
2064	400.00	0.92692
2065	280.00	0.64885
2066	236.74	0.54860
2067	120.00	0.27808
2068	70.00	0.16221
2069	5.90	0.01367
2070	238.63	0.55298
2071	39.09	0.09058
2072	155.94	0.36136
2073	36.54	0.08467
TOTAL	43,153.54	100.00000

EXHIBIT D

ATTACHED TO AND MADE A PART OF THE UNIT AGREEMENT WEST BRAVO DOME CARBON DIOXIDE GAS UNIT HARDING COUNTY, NEW MEXICO

INDEMNITY AGREEMENT

WHEREAS, Section 9.1.3 of an agreement entitled "Unit Agreement, West Bravo Dome Carbon Dioxide Gas Unit, Harding County, New Mexico," dated September 1, 1983, provides that under certain circumstances and conditions therein stated a Tract that fails to qualify for inclusion in the Unit Area may be included if the requisite Working Interest Owners in the Tract as specified in said Section request the inclusion of the Tract in the Unit Area and execute and deliver, or obligate themselves to execute and deliver, an indemnity agreement; and

WHEREAS, Tract _____, described in the Unit Agreement is such a Tract; and

WHEREAS, the undersigned are owners of Working Interest in such Tract and have become parties to the Unit Agreement and the Unit Operating Agreement and desire the inclusion of the Tract in the Unit Area;

NOW THEREFORE, in consideration of and conditioned upon said Tract meeting the other requirements of the aforesaid Section of the Unit Agreement and its inclusion in the Unit Area, the undersigned hereby requests the inclusion of the above Tract in the Unit Area and agrees, together with other owners of Working Interest in the Tract who execute and deliver, or who obligate themselves to execute and deliver, like indemnity agreements, to indemnify and hold harmless all other Working Interest Owners in the Unit Area against all claims and demands required by said Section to be the subject of such indemnity. Any liability arising hereunder shall be borne by the undersigned and other Working Interest Owners in the Tract who are committed to like indemnity agreements in the proportion that the Working Interest of each in the Tract bears to the Total Working Interest therein of all the owners of Working Interest in the Tract committed to such indemnity agreement.

This indemnity shall become void with respect to all claims and demands based upon occurrences subsequent to the time when the conditions are met that would have initially qualified such Tract for inclusion in the Unit Area without this indemnity.

This agreement shall be binding upon and inure to the benefit of the heirs, devisees, legal representatives, successors, and assigns of the respective parties initially bound or benefited by the provisions hereof.

IN WITNESS WHEREOF, each of the undersigned has executed this instrument on the date opposite its signature.	