

Exhibits 1 thru
Complete set

SOUTHEAST BISTI UNIT

UNIT AREA DESCRIPTION

T-24-N, R-10-W, N. M. P. M.

- Section: 2: A11
- Section: 3: A11
- Section: 4: A11
- Section: 10: N/2
- Section: 11: N/2

T-25-N, R-10-W, N. M. P. M.

- Section: 28: A11
- Section: 29: A11
- Section: 30: E/2
- Section: 31: E/2
- Section: 32: A11
- Section: 33: A11
- Section: 34: A11
- Section: 35: A11

containing 7, 047. 88 acres, more or less, San Juan County, New Mexico

1. Size of Unit

a. Federal Acreage	5, 285. 12 acres
b. State Acreage	1, 281. 72 acres
c. Indian Allotments	481. 04 acres
TOTAL	7, 047. 88 acres

REPORT MADE BY	6707
OIL COMPANY	Gulf
SUBJECT	BACKTAY
Hearing Date	11/28/79

EXHIBIT NO. 1
 Southeast Bisti Unit
 San Juan County, New Mexico

GULF OIL CORPORATION - Western Division
 Southwest District
 Midland, Texas

EXHIBIT "B"

SCHEDULE OF LANDS AND LEASES

2. Ratification of Unit Agreement

1 2 3 4 5 6 7 8

Tract No.	Description	% of Unit Area Acres	Serial No. and Expiration Date	Basic Royalty & Percentage	Lessee of Record & Percentage	Overriding Royalty and Percentage	Working Interest and Percentage
1	T-25-N, R-10-W Sec. 29: All except the N/2 NE/4	560.0 7.945%	SF-078621 HBP	12.5% U.S.A.	Brookhaven Oil Co. - Committed 8.18775% Dacresa Corp. - Committed 28.16600% Odessa Natural Corp. will not join or farmout 50% Energy Reserves Group, Inc. 13.64625% - Committed	None committed - 8.18775% Dacresa Corp. 28.16600% committed Odessa Natural Corp. will not join or 50% farmout Energy Reserves, Inc. 13.64625% committed	Brookhaven Oil Co. Dacresa Corp. Odessa Natural Corp. Energy Reserves Group, Inc.
2	T-25-N, R-10-W Sec. 29: N/2 NE/4	80.0	NM-0468014 HBP	12.5% U.S.A.	Energy Reserves Group, Inc. 86.354% - Committed Amoco Production Co. 13.646% - will not join or farmout	None	Energy Reserves Group 86.354% committed Amoco Production Co. 13.646% - will not join or farmout
3	T-24-N, R-10-W Sec. 3: Lots 1, 2 SW/4 NE/4, W/2 SE/4, SE/4 SE/4	241.1 3.4209%	NM-23061 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - committed	None	Gulf Oil Corp. 100% - committed
4	T-25-N, R-10-W Sec. 28: E/2, NW/4	480.0	NM-23066 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - committed	None	Gulf Oil Corp. 100% - committed
5	T-25-N, R-10-W Sec. 31: NE/4	160.0 2.2702%	NM-23067 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - committed	None	Gulf Oil Corp. 100% - committed
6	T-25-N, R-10-W Sec. 33: E/2	320.0 4.5404%	NM-23068 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - committed	None	Gulf Oil Corp. 100% - committed
7	T-25-N, R-10-W Sec. 34: E/2	320.0 9.0807%	NM-23069 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - committed	None	Gulf Oil Corp. 100% - committed
8	T-25-N, R-10-W Sec. 35: All	640.0	NM-23070 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - committed	None	Gulf Oil Corp. 100% - committed

1	2	3	4	5	6	7	8
9	T-24-n, R-10-W Sec. 3: Lots 3,4, S/2 NW/4, SW/4	4.5690% 322.02	NM-23073 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - Committed	None	Gulf Oil Corp. 100% - committed
10	T-24-N, R-10-W Sec. 4: Lots 1, 2, S/2 NE/4, SE/4	4.5687% 322.0	NM-23074 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - Committed	None	Gulf Oil Corp. 100% - committed
L1	T-24-N, R-10-W Sec. 10: NW/4, NW/4 NE/4	2.8377% 200.0	NM-23075 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - Committed	None	Gulf Oil Corp. 100% - committed
L2	T-24-N, R-10-W Sec. 11: N/2	4.5404% 320.0	NM-23076 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100% - Committed	None	Gulf Oil Corp. 100% - committed
L3	T-24-N, R-10-W Sec. 3: SE/4 NE/4, NE/4 SE/4; Sec 4: SW/4, Sec. 10: NE/4 NE/4, S/2 NE/4	5.1079% 360.0	NM-28754 10-31-81	Schedule B U.S.A.	Gulf Oil Corp. 100% - Committed	None	Gulf Oil Corp. 100% - committed
L4	T-25-N, R-10-W Sec. 34: NW/4	2.2702% 160.0	NM-28757 10-31-81	Schedule B U.S.A.	Gulf Oil Corp. 100% - Committed	None	Gulf Oil Corp. 100% - Committed
L5	T-25-N, R-10-W Sec 28: SW/4 Sec 31: SE/4 Sec 33: W/2 Sec 34: SW/4	11.3509% 800.0	Unleased Federal	12.5% U.S.A.	Unleased	None	Unleased
TOTAL: 5,285.12 Acres Federal Lands,							74.988791% of the Unit Area

1	2	3	4	5	6	7	8
16	T-25-N, R-10-W Sec. 32: NE/4 NW/4, N/2 SW/4	1.7026% 120.0	LG-1406 11-1-83	12.5% State of New Mexico	Tenneco Oil Company 100% - Committed	None	Tenneco Oil Company Committed-100%
17	T-24-N, R-10-W Sec. 2: NW/4, S/2 NE/4, NW/4 NE/4	3.9900% 281.21	LG-1843-1 6-1-84	12.5% State of New Mexico.	Tenneco Oil Company 100% - Committed	None	Tenneco Oil Company Committed-100%
18	T-25-N, R-10-W Sec. 32: S/2 N/2	2.2702% 160.0	LG-3979 1-1-87	12.5% State of New Mexico	Gulf Oil Corporation 100% - Committed	None	Gulf Oil Corporation Committed - 100%
19	T-25-N, R-10-W Sec. 32: NW/4 NE/4, S/2 SW/4	1.7026% 120.0	B-11122-1 HBP	12.5% State of New Mexico	Chevron USA, Inc. 100% - Committed	None	Chevron USA, Inc. Committed - 100%
20	T-25-N, R-10-W Sec. 32: NW/4 NW/4	0.5675% 40.0	E-3148-11	12.5% State of New Mexico	Tenneco Oil Co. 100%-committed	John & Jean Burroughs 2.5%	Tenneco Oil Co. Committed - 100%
21	T-24-N, R-10-W Sec. 2: SW/4	2.2702% 160.0	E-4912-22 HBP	12.5%	Energy Reserves Group, Inc. 100%-committed	William W. Hunker 1% John G. S. Wong & Shew Klang Wong 1% G. H. Doelling, Jr. 2%-committed Edward Gow Gee 1%	Energy Reserves Group Inc. 100%-committ /committed
22	T-25-N, R-10-W Sec. 32: SE/4	2.2702% 160.0	E-4777-2 HBP	12.5% State of New Mexico	Exxon Corporation 100% committed	A. L. Greer) 3% George Krause)	Exxon Corporation 100% eqmitted
23	T-25-N, R-10-W Sec. 32: NE/4 NE/4	0.5675% 40.0	E-6633-3 HBP	12.5% State of New Mexico	Tenneco Oil Company 100% committed	None	Tenneco Oil Company 100% committed

1 2 3 4 5 6 7 8

T-24-N, R-10-W 2.8450%
 Sec. 2: NE/4 NE/4; SE/4 200.51
 V-80 12.5%
 2-1-87 State of New Mexico
 3E Company, Inc. 100% Committed
 None
 3E Company, Inc.
 6.25%
 Dietrich Expl. Co.
 Inc. 53.3333
 William A. Jenkins
 Inc. 22.6667
 Hicks Enco, Inc.
 13.3333
 Charles E. Osgood
 Jr. 10.6667

TOTAL: 1,281.72 Acres State Lands, 18.185894% of the Unit Area

5	T-25-N, R-10-W Sec. 30: NE/4	2.2702% 160.0	N00-G-14-20-5198 11-18-83	16.67% B.I.A.	Union Oil of Calif. 100% - Will not join or farmout	None	Union Oil of Calif. Will not join or 100% farmout
6	T-24-N, R-10-W Sec. 4: Lots 3,4, S/2 NW/4	161.04 2.2849%	N00-G-14-20-5212 11-26-83	16.67% B.I.A.	Tenneco Oil Company 100% - Committed	None	Tenneco Oil Company Committed - 100%
7	T-25-N, R-10-W Sec. 30: SE/4	160.0 2.2702%	N00-C-14-20-5240 11-26-83	16.67% B.I.A.	Tenneco Oil Company 100% - Committed	None	Tenneco Oil Company Committed - 100%

TOTAL: 481.04 Acres Indian Allotments, 6.825315% of the Unit Area

UNIT AGREEMENT

TABLE OF CONTENTS

MIDLAND, TEXAS	
BEFORE ME AND MY DEPUTIES	
GULF	2
6707	
Section 17. BUCKHAM	PAGE
Hearing Date 11/28/79	3

SECTION

TITLE

1	ENABLING ACT AND REGULATIONS-----	3
2	UNIT AREA-----	6
3	UNITIZED LAND AND UNITIZED SUBSTANCES-----	7
4	UNIT OPERATOR-----	7
5	RESIGNATION OR REMOVAL OF UNIT OPERATOR-----	8
6	SUCCESSOR UNIT OPERATOR-----	9
7	ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT-----	10
8	RIGHTS AND OBLIGATIONS OF UNIT OPERATOR-----	11
9	DRILLING TO DISCOVERY-----	12
10	PLAN OF FURTHER DEVELOPMENT AND OPERATION-----	14
11	PARTICIPATION AFTER DISCOVERY-----	16
12	ALLOCATION OF PRODUCTION-----	17
13	DEVELOPMENT OR OPERATION OF NON-PARTICIPATING LAND OR FORMATIONS-----	18
14	ROYALTY SETTLEMENT-----	20
15	RENTAL SETTLEMENT-----	21
16	CONSERVATION-----	21
17	DRAINAGE-----	21
18	LEASES AND CONTRACTS CONFORMED AND EXTENDED-----	26
19	COVENANTS RUN WITH LAND-----	26
20	EFFECTIVE DATE AND TERM-----	27
21	RATE OF PROSPECTING, DEVELOPMENT AND PRODUCTION-----	28
22	CONFLICT OF SUPERVISION-----	29
23	APPEARANCES-----	29
24	NOTICES-----	30
25	NO WAIVER OF CERTAIN RIGHTS-----	30
26	UNAVOIDABLE DELAY-----	30
27	NONDISCRIMINATION-----	31
28	LOSS OF TITLE-----	31
29	NON-JOINDER AND SUBSEQUENT JOINDER-----	33
30	COUNTERPARTS-----	33
31	BUREAU OF LAND MANAGEMENT STIPULATIONS-----	33

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
SOUTHEAST BISTI
UNIT AREA
COUNTY OF SAN JUAN
STATE OF NEW MEXICO
NO. _____

THIS AGREEMENT entered into as of the 1st day of September, 1979, by and between the parties subscribing, ratifying or consenting hereto, and herein referred to as the "parties hereto".

WITNESSETH:

WHEREAS, the parties hereto are the owners of working, royalty, or other oil and gas interests in the unit area subject to this agreement; and

whereas, the Oil Conservation Division of the Department of Energy and Minerals of the State of New Mexico is authorized by law (Chap. 72, Laws of 1935, as amended by Chap. 193, Laws of 1937, Chap. 166, Laws of 1941, and Chap. 168, Laws of 1949, Chap. 65, Art. 3, Sec. 14, and Vol. 9 Part 2, NMS, 1953 anno) to approve this Agreement, and the conservation provisions hereof; and

WHEREAS, the Mineral Leasing Act of February 25, 1929, 41 Stat. 437, as amended, 30 U.S.C. Secs. 181 et seq., authorizes Federal lessees and their representatives to unite with each other or jointly or separately with others, in collectively adopting and operating a cooperative or unit plan of development of 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 rules and regulations governing the leasing of allotted Indian lands for oil and gas promulgated by the Secretary

of the Interior (25 CFR Part 172) under and pursuant to the Allotted Land Leasing Act of March 3, 1909, 35 Stat. 783, 25 U.S.C. Sec. 396 and the oil and gas leases covering sand allotted Indian lands provide for the commitment of such leases to the cooperative or unit plan of development or operation; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Sec. 7-11-39 N. M. Statutes 1978 Annotated) to consent to 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 parties hereto hold sufficient interests in the Southeast Bisti Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area subject to this agreement under the terms, conditions, and limitations herein set forth;

NOW THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this agreement their respective interests in the below-defined unit area, and agree severally among themselves as follows:

of the Interior (25 CFR Part 172) under and pursuant to the Allotted Land Leasing Act of March 3, 1909, 35 Stat. 783, 25 U.S.C. Sec 396 and the oil and gas leases covering said allotted Indian lands provide for the commitment of such leases to a cooperative or unit plan of development or operation; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Sec. 7-11-39 N.M. Statutes 1978 Annotated) to consent to 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 Oil Conservation Division of the Department of Energy and Minerals of the State of New Mexico is authorized by an Act of the Legislature (Article 3, Chapter 65, Vol. 9, Part 2, 1953 Statutes) to approve this agreement, and the conservation provisions hereof; and

WHEREAS, the parties hereto hold sufficient interests in the Southeast Bisti Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area subject to this agreement under the terms, conditions, and limitations herein set forth;

NOW THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this agreement their respective interests in the below-defined unit area, and agree severally among themselves as follows:

1. ENABLING ACT AND REGULATIONS. The Allotted Land Leasing Act of March 3, 1909, and 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 or valid, pertinent and reasonable regulations hereafter issued thereunder are accepted and made a part of this agreement as to Federal lands and Indian lands, provided such regulations are not inconsistent with the terms of this agreement; and as to non-Federal lands, and non-Indian 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 in which the non-Federal and non-Indian land is located, are hereby accepted and made a part of this agreement.

2. UNIT AREA. The area specified on the map attached hereto marked Exhibit "A" is hereby designated and recognized as constituting the unit area, containing 7,047.88 acres, more or less.

Exhibit "A" shows, in addition to the boundary of the unit area, the boundaries and identity of tracts and leases in said area to the extent known to the Unit Operator. Exhibit "B" attached hereto is a schedule showing to the extent known to the Unit Operator the acreage, percentage, and kind of ownership of oil and gas interests in all land in the unit area. However, nothing herein or in said schedule or map shall be construed as a representation by any party hereto as to the ownership of any interest other than such interest or interests as are shown in said map or schedule as owned by such party. Exhibits "A" and "B" shall be revised by the Unit Operator whenever changes in

the unit area render such revision necessary, or when requested by the Oil and Gas Supervisor, hereinafter referred to as "Supervisor", or when requested by the Commissioner of Public Lands of the State of New Mexico, hereinafter referred to as "Commissioner", and not less than five copies of the revised exhibits shall be filed with the Supervisor, and two copies thereof shall be filed with the Commissioner, and one copy with the Oil Conservation Division, hereinafter referred to as "Division".

The above-described unit area shall when practicable be expanded to include therein any additional lands or shall be contracted to exclude lands whenever such expansion or contraction is deemed to be necessary or advisable to conform with the purposes of this agreement. Such expansion or contraction shall be effected in the following manner:

(a) Unit Operator, on its own motion or on demand of the Director of the Geological Survey, hereinafter referred to as "Director", or on demand of the Commissioner, after preliminary concurrence by the Director and the Commissioner, shall prepare a notice of proposed expansion or contraction describing the contemplated changes in the boundaries of the unit area, the reasons therefor, and the proposed effective date thereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Supervisor, the Commissioner and the Division and copies thereof mailed to the last known address of each working interest owner, lessee, and lessor whose interests are affected, advising that 30 days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the 30-day period provided in the preceding item (b) hereof, Unit Operator shall file with the

Supervisor, the Commissioner and the Division evidence of mailing of the notice of expansion or contraction and a copy of any objections thereto which have been filed with the Unit Operator, together with an application in sufficient number, for approval of such expansion or contraction and with appropriate joinders.

(d) After due consideration of all pertinent information, the expansion or contraction shall, upon approval by the Supervisor, the Commissioner and the Division, become effective as of the date prescribed in the notice thereof.

(e) All legal subdivisions of land (i.e., 40 acres by Government survey or its nearest lot or tract equivalent; in instances of irregular surveys unusually large lots or tracts shall be considered in multiples of 40 acres or the nearest aliquot equivalent thereof), no parts of which are entitled to be in a participating area on or before the fifth anniversary of the effective date of the first initial participating area established under this unit agreement, shall be eliminated automatically from this agreement, effective as of said fifth anniversary, and such lands shall no longer be a part of the unit area and shall no longer be subject to this agreement, unless diligent drilling operations are in progress on unitized lands not entitled to participation on said fifth anniversary, in which event all such lands shall remain subject hereto so long as such drilling operations are continued diligently with not more than 90 days' time elapsing between the completion of one well and the commencement of the next well. All legal subdivisions of lands not entitled to be in a participating area within 10 years after the effective date of the first initial participating area approved under this agreement shall be automatically eliminated from this

agreement as of said tenth anniversary. All lands proved productive by diligent drilling operations after the aforesaid 5-year period shall become participating in the same manner as during said 5-year period. However, when such diligent drilling operations cease, all nonparticipating lands shall be automatically eliminated effective as of the 91st day thereafter. The Unit Operator shall, within 90 days after the effective date of any elimination hereunder, describe the area so eliminated to the satisfaction of the Supervisor and the Commissioner, and promptly notify all parties in interest.

If conditions warrant extension of the 10-year period specified in this subsection 2(e), a single extension of not to exceed 2 years may be accomplished by consent of the owners of 90% of the working interests in the current nonparticipating unitized lands and the owners of 60% of the basic royalty interests (exclusive of the basic royalty interests of the United States) in nonparticipating unitized lands with approval of the Director and the Commissioner, provided such extension application is submitted to the Director and Commissioner not later than 60 days prior to the expiration of said ten-year period.

Any expansion of the unit area pursuant to this section which embraces lands theretofore eliminated pursuant to this subsection 2(e) shall not be considered automatic commitment or recommitment of such lands.

3. UNITIZED LAND AND UNITIZED SUBSTANCES. All land committed to this agreement shall constitute land referred to herein as "unitized land" or "land subject to this agreement". All oil and gas in any and all formations of the unitized land are unitized under the terms of this agreement and herein are called "unitized substances".

4. UNIT OPERATOR. Gulf Oil Corporation is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties and obligations of Unit Operator for the discovery, development and production of unitized substances as herein provided. Whenever reference is made herein to the Unit Operator, such reference means the Unit Operator acting in that capacity and not as an owner of interest in unitized substances, and the term "working interest owner" when used herein shall include or refer to Unit Operator as the owner of a working interest when such an interest is owned by it.

5. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time prior to the establishment of a participating area or areas hereunder, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of 6 months after notice of intention to resign has been served by Unit Operator on all working interest owners and the Supervisor, the Commissioner and the Division, and until all wells then drilled hereunder are placed in a satisfactory condition for suspension or abandonment whichever is required by the Supervisor as to Federal lands and by the Division as to State and privately owned lands, unless a new Unit Operator shall have been selected and approved and shall have taken over and assumed the duties and obligations of Unit Operator prior to the expiration of said period.

Unit Operator shall have the right to resign in like manner and subject to like limitations as above provided at any time a participating area established hereunder is in existence, but, in all instances of resignation or removal, until a successor

Unit Operator is selected and approved as hereinafter provided, the working interest owners shall be jointly responsible for performance of the duties of Unit Operator, and shall, not later than 30 days before such resignation or removal becomes effective, appoint a common agent to represent them in any action to be taken hereunder.

The resignation of Unit Operator shall not release Unit Operator from any liability for any default by it hereunder occurring prior to the effective date of its resignation.

The Unit Operator may, upon default or failure in the performance of its duties or obligations hereunder, be subject to removal by the same percentage vote of the owners of working interests as herein provided for the selection of a new Unit Operator. Such removal shall be effective upon notice thereof to the Supervisor and the Commissioner.

The resignation or removal of Unit Operator under this agreement shall not terminate its right, title or interest as the owner of a working interest or other interest in unitized substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all wells, equipment, materials and appurtenances used in conducting the unit operations to the new duly qualified successor Unit Operator or to the common agent, if no such new Unit Operator is elected, to be used for the purpose of conducting unit operations hereunder. Nothing herein shall be construed as authorizing removal of any material, equipment and appurtenances needed for the preservation of any wells.

6. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender his or its resignation as Unit Operator or shall be

removed as hereinabove provided, or a change of Unit Operator is negotiated by working interest owners, the owners of the working interests in the participating area or areas according to their respective acreage interests in such participating area or areas, or, until a participating area shall have been established, the owners of the working interests according to their respective acreage interests in all unitized land, shall by majority vote select a successor Unit Operator: Provided, That, if a majority but less than 75 per cent of the working interests qualified to vote are owned by one party to this agreement, a concurring vote of one or more additional working interest owners shall be required to select a new operator. Such selection shall not become effective until

(a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and

(b) the selection shall have been approved by the Supervisor and the Commissioner.

If no successor Unit Operator is selected and qualified as herein provided, the Director and Commissioner at their election may declare this unit agreement terminated.

7. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. If the Unit Operator is not the sole owner of working interest, costs and expenses incurred by Unit Operator in conducting unit operations hereunder shall be paid and apportioned among and borne by the owners of working interests, all in accordance with the agreement or agreements entered into by and between the Unit Operator and the owners of working interests, whether one or more, separately or collectively. Any agreement or agreements entered into between the working interest owners and the Unit Operator as provided in

this section, whether one or more, are herein referred to as the "unit operating agreement". Such unit operating agreement shall also provide the manner in which the working interest owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases or other independent contracts, and such other rights and obligations as between Unit Operator and the working interest owners as may be agreed upon by Unit Operator and the working interest owners; however, no such unit operating agreement shall be deemed either to modify any of the terms and conditions of this unit agreement or to relieve the Unit Operator of any right or obligation established under this unit agreement, and in case of any inconsistency or conflict between this unit agreement and the unit operating agreement, this unit agreement shall govern. Three true copies of any unit operating agreement executed pursuant to this section should be filed with the Supervisor and two true copies with the Commissioner and one true copy with the Division, prior to approval of this unit agreement.

8. RIGHTS AND OBLIGATIONS OF UNIT OPERATOR. Except as otherwise specifically provided herein, the exclusive right, privilege, and duty of exercising any and all rights of the parties hereto which are necessary or convenient for prospecting, for producing, storing, allocating and distributing the unitized substances are hereby delegated to and shall be exercised by the Unit Operator as herein provided. Acceptable evidence of title to said rights shall be deposited with said Unit Operator and, together with this agreement, shall constitute and define the rights, privileges, and obligations of Unit Operator. Nothing herein, however, shall be

construed to transfer title to any land or to any lease or operating agreement, it being understood that under this agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

9. DRILLING TO DISCOVERY. Within six (6) months after the effective date hereof, the Unit Operator shall begin to drill an adequate test well at a location approved by the Supervisor, if on Federal land, or by the Commissioner if on State land, or by the Division if on fee land, unless on such effective date a well is being drilled conformably with the terms hereof, and thereafter continue such drilling diligently until the Second Dakota Sandstone formation has been completely tested or until at a lesser depth unitized substances shall be discovered which can be produced in paying quantities (to wit: quantities sufficient to repay the costs of drilling, completing, and producing operations, with a reasonable profit) or the Unit Operator shall at any time establish to the satisfaction of the Supervisor if located on Federal lands, or the Commissioner if located on State lands, or the Division if located on fee lands, that further drilling of said well would be unwarranted or impracticable, provided however, that Unit Operator shall not in any event be required to drill said well to a depth in excess of 6,400 feet. Until the discovery of a deposit of unitized substances capable of being produced in paying quantities, the Unit Operator shall continue drilling one well at a time, allowing not more than 6 months between the completion of one well and the beginning of the next well, until a well capable of producing unitized substances in paying quantities is

completed to the satisfaction of said Supervisor if on Federal land, or the Commissioner if on State land, or the Division if on fee land, or until it is reasonably proved that the unitized land is incapable of producing unitized substances in paying quantities in the formations drilled hereunder. Nothing in this section shall be deemed to limit the right of the Unit Operator to commence or continue any drilling during the period pending such resignation becoming effective in order to comply with the requirements of this section. The Supervisor and Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when, in their opinion, such action is warranted. Upon failure to commence any well provided for in this section within the time allowed, including any extension of time granted by the Supervisor and the Commissioner, this agreement will automatically terminate; upon failure to continue drilling diligently any well commenced hereunder, the Supervisor and Commissioner may, after 15 days notice to the Unit Operator, declare this unit agreement terminated.

10. PLAN OF FURTHER DEVELOPMENT AND OPERATION. Within 6 months after completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall submit for the approval of the Supervisor and the Commissioner an acceptable plan of development and operation for the unitized land which, when approved by the Supervisor and the Commissioner, shall constitute the further drilling and operating obligations of the Unit Operator under this agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the Unit Operator shall submit for the approval of the Supervisor and the Commissioner a plan for an additional specified

period for the development and operation of the unitized land.

Any plan submitted pursuant to this section shall provide for the exploration of the unitized area and for the diligent drilling necessary for determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Supervisor, the Commissioner and Division may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and 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.

Separate plans may be submitted for separate productive zones, subject to the approval of the Supervisor, the Commissioner and the Division.

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 complying with the obligations of the approved plan of development. The Supervisor and Commissioner are authorized to grant a reasonable extension of the 6-month period herein prescribed for submission of an initial plan of development where such action is justified because of unusual conditions or circumstances. After completion hereunder of a well capable of producing any unitized substances in paying quantities, no further wells, except such as may be

necessary to afford protection against operations not under this agreement and such as may be specifically approved by the Supervisor and the Commissioner, shall be drilled except in accordance with a plan of development approved as herein provided.

11. PARTICIPATION AFTER DISCOVERY. Upon completion of a well capable of producing unitized substances in paying quantities or as soon thereafter as required by the Supervisor and Commissioner, the Unit Operator shall submit for approval by the Supervisor and Commissioner a schedule, based on subdivisions of the public land survey or aliquot parts thereof, of all land then regarded as reasonably proved to be productive in paying quantities; all lands in said schedule on approval of the Supervisor and Commissioner to constitute a participating area, effective as of the date of completion of such well or the effective date of this unit agreement, whichever is later. The acreages of both Federal and non-Federal lands shall be based upon appropriate computations from the courses and distances shown on the last approved public land survey as of the effective date of each initial participating area. Said schedule shall also set forth the percentage of unitized substances to be allocated as herein provided to each tract in the participating area so established, and shall govern the allocation of production commencing with the effective date of the participating area. A separate participating area shall be established for each separate pool or deposit of unitized substances or for any group thereof which is produced as a single pool or zone, and any two or more participating areas so established may be combined into one, on approval of the Supervisor and Commissioner. When production from two or more participating areas, so established, is subsequently found to be from a common pool or deposit said

participating areas shall be combined into one effective as of such appropriate date as may be approved or prescribed by the Supervisor and Commissioner. The participating area or areas so established shall be revised from time to time, subject to like approval, to include additional land then regarded as reasonably proved to be productive in paying quantities or necessary for unit operations, or to exclude land then regarded as reasonably proved not to be productive in paying quantities and the schedule of allocation percentages shall be revised accordingly. The effective date of any revisions shall be the first day of the month in which is obtained the knowledge or information on which such revision is predicted, provided, however, that a more appropriate effective date may be used if justified by the Unit Operator and approved by the Supervisor and Commissioner. No land shall be excluded from a participating area on account of depletion of the unitized substances, except that any participating area established under the provisions of this unit agreement shall terminate automatically whenever all completions in the formation on which the participating area is based are abandoned.

It is the intent of this section that a participating area shall represent the area known or reasonably estimated to be productive in paying quantities, but, regardless of any revision of the participating area, nothing herein contained shall be construed as requiring any retroactive adjustment for production obtained prior to the effective date of the revision of the participating area.

In the absence of agreement at any time between the Unit Operator and the Supervisor and Commissioner as to the proper definition or redefinition of a participating area, or until a participating area has, or areas have, been established as pro-

vided herein, the portion of all payments affected thereby shall be impounded in a manner mutually acceptable to the owners of working interests and the Supervisor and Commissioner. Royalties due the United States and the Indian Allottees and the State of New Mexico, which shall be determined by the Supervisor for Federal land and the Commissioner for State land and the amount thereof shall be deposited, as directed by the Supervisor and Commissioner respectively, to be held as unearned money until a participating area is finally approved and then applied as earned or returned in accordance with a determination of the sum due as Federal and State royalty on the basis of such approved participating area.

Whenever it is determined, subject to the approval of the Supervisor as to wells drilled on Federal land and of the Commissioner as to wells drilled on State land, that a well drilled under this agreement is not capable of production in paying quantities and inclusion of the land on which it is situated in a participating area is unwarranted, production from such well shall, for the purposes of settlement among all parties other than working interest owners, be allocated to the land on which the well is located unless such land is already within the participating area established for the pool or deposit from which such production is obtained. Settlement for working interest benefits from such a well shall be made as provided in the unit operating agreement.**

12. ALLOCATION OF PRODUCTION. All unitized substances produced from such participating area established under this agreement, except any part thereof used in conformity with good operating practices within the unitized area for drilling, operating, camp and other production or development purposes, for repressuring or recycling in accordance with a plan of development approved by

**Determination as to whether a well completed within the unit area prior to the effective date of this agreement is capable of producing unitized substances in paying quantities shall be deferred until an initial participating area is established as the result of the completion of a well for production in paying quantities in accordance with Section 9 hereof.

the Supervisor and Commissioner, or unavoidably lost, shall be deemed to be produced equally on an acreage basis from the several tracts of unitized land of the participating area established for such production and, for the purpose of determining any benefits accruing under this agreement, each such tract of unitized land shall have allocated to it such percentage of said production as the number of acres of such tract included in said participating area bears to the total acres of unitized land in said participating area, except that allocation of production hereunder for purposes other than for settlement of the royalty, overriding royalty, or payout out of production obligations of the respective working interest owners, shall be on the basis prescribed in the unit operating agreement whether in conformity with the basis of allocation herein set forth or otherwise. It is hereby agreed that production of unitized substances from a participating area shall be allocated as provided herein regardless of whether any wells are drilled on any particular part or tract of said participating area. If any gas produced from one participating area is used for repressuring or recycling purposes in another participating area, the first gas withdrawn from such last mentioned participating area for sale during the life of this agreement shall be considered to be the gas so transferred until an amount equal to that transferred shall be so produced for sale and such gas shall be allocated to the participating area from which initially produced as such area was last defined at the time of such final production.

13. DEVELOPMENT OR OPERATION OF NON-PARTICIPATING LAND OR FORMATIONS. Any party hereto owning or controlling the working interest in any unitized land having thereon a regular well location may with the approval of the Supervisor as to Federal land, the

Commissioner as to State Land and the Division as to privately owned land, at such party's sole risk, cost and expense, drill a well to test any formation for which a participating area has not been established or to test any formation for which a participating area has been established if such location is not within said participating area, unless within 90 days of receipt of notice from said party of his intention to drill the well the Unit Operator elects and commences to drill such a well in like manner as other wells are drilled by the Unit Operator under this agreement.

If any well drilled as aforesaid by a working interest owner results in production such that the land upon which it is situated may properly be included in a participating area, such participating area shall be established or enlarged as provided in this agreement and the well shall thereafter be operated by the Unit Operator in accordance with the terms of this agreement and the unit operating agreement.

If any well drilled as aforesaid by a working interest owner obtains production in quantities insufficient to justify the inclusion of the land upon which such well is situated in a participating area, such well may be operated and produced by the party drilling the same subject to the conservation requirements of this agreement. The royalties in amount or value of production from any such well shall be paid as specified in the underlying lease and agreements affected.

14. ROYALTY SETTLEMENT. The United States and any State and any royalty owner who is entitled to take in kind a share of the substances now unitized hereunder shall hereafter be entitled to the right to take in kind its share of the unitized substances,

and the Unit Operator, or the working interest owner in case of the operation of a well by a working interest owner as herein provided for in special cases, shall make deliveries of such royalty share taken in kind in conformity with the applicable contracts, laws and regulations. Settlement for royalty interest not taken in kind shall be made by working interest owners responsible therefor under existing contracts, laws and regulations, or by the Unit Operator, on or before the preceding calendar month; provided, however, that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any royalties due under their leases.

If gas obtained from lands not subject to this agreement is introduced into any participating area hereunder, for use in repressuring, stimulation of production, or increasing ultimate recovery, in conformity with a plan of operations approved by the Supervisor, the Commissioner, and Division, a like amount of gas, after settlement as herein provided for any gas transferred from any other participating area and with appropriate deduction for loss from any cause, may be withdrawn from the formation in which the gas is introduced, royalty free as to dry gas, but not as to any products which may be extracted therefrom; provided that such withdrawal shall be at such time as may be provided in the approved plan of operations or as may otherwise be consented to by the Supervisor, the Commissioner and Division as conforming to good petroleum engineering practice; and provided further, that such right of withdrawal shall terminate on the termination of this unit agreement.

Royalty due the United States and basic royalty owners under Allotted Indian leases shall be computed as provided in the

operating regulations and paid in value or delivered in kind as to all unitized substances on the basis of the amounts thereof allocated to unitized Federal and Indian land as provided herein at the rate specified in the respective Federal and Indian leases, or at such lower rate or rates as may be authorized by law or regulation; provided, that for leases on which the royalty rate depends on the daily average production per well, said average production shall be determined in accordance with the operating regulations as though each participating area were a single consolidated lease.

Royalty due on account of State lands shall be computed and paid on the basis of all unitized substances allocated to such lands.

15. RENTAL SETTLEMENT. Rental or minimum royalties due on leases committed hereto shall be paid by working interest owners responsible therefor under existing contracts, laws and regulations, provided that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any rental or minimum royalty due under their leases. Rental or minimum royalty for lands of the United States and Allotted Indian lands subject to this agreement shall be paid at the rate specified in the respective leases from the United States and the Indian Allottees unless such rental or minimum royalty is waived, suspended or reduced by law or by approval of the Secretary or his duly authorized representative.

Rentals on State of New Mexico lands subject to this agreement shall be paid at the rates specified in the respective leases.

With respect to any lease on non-Federal land containing provisions which would terminate such lease unless drilling operations

are commenced upon the land covered thereby within the time therein specified or rentals are paid for the privilege of deferring such drilling operations, the rentals required thereby shall, notwithstanding any other provisions of this agreement, be deemed to accrue and become payable during the term thereof as extended by this agreement and until the required drilling operations are commenced upon the land covered thereby or until some portion of such land is included with a participating area.

16. CONSERVATION. Operations hereunder and production of unitized substances shall be conducted to provide for the most economical and efficient recovery of said substances without waste, as defined by or pursuant to State or Federal laws or regulations.

17. DRAINAGE. The Unit Operator shall take such measures as the Supervisor and Commissioner deem appropriate and adequate to prevent drainage of unitized substances from unitized land by wells on land not subject to this agreement.

18. LEASES AND CONTRACTS CONFORMED AND EXTENDED. The terms, conditions and provisions of all leases, subleases and other contracts relating to exploration, drilling, development or operations for oil or 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 to remain in full force and effect; and the parties hereto hereby consent that the Secretary as to Federal leases and the Commissioner as to State leases shall and each by his approval hereof, or by the approval hereof by their duly authorized representatives, do hereby establish, alter, change or revoke the drilling, producing, rental, minimum royalty and royalty requirements of Federal and Indian and State

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, sub-leases, 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.

(b) Drilling and producing operations performed hereunder upon any tract of unitized land 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) Suspension of drilling or producing operations on all unitized lands pursuant to direction or consent of the Secretary and Commissioner or their duly authorized representatives shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every tract of unitized land. A suspension of drilling or producing operations limited to specified lands shall be applicable only to such lands.

(d) Each lease, sublease or contract relating to the exploration, drilling, development or operation for oil or gas of lands other than those of the United States or State of New Mexico committed to this agreement, which by its terms

might expire prior to the termination of this agreement, is hereby extended beyond any such term so provided therein so that it shall be continued in full force and effect for and during the term of this agreement.

(e) 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 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 that production is had in paying quantities under this unit agreement prior to the expiration date of the term of such lease, or in the event actual drilling operations are commenced on unitized lands, in accordance with the provisions of this agreement prior to the end of the primary term of such lease and are being diligently prosecuted at that time, such lease shall be extended for two years and so long thereafter as oil or gas is produced in paying quantities in accordance with the provisions of the Mineral Leasing Act Revision of 1960.

(f) 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 therein 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.

(g) 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, subject to the provisions of subsection (e) of Section 2 and subsection (j) of this Section 18.

(h) Any Indian lease committed hereto having only a part of its land within the Unit Area shall be segregated as to (a) the lands lying inside the Unit Area, as to all formations thereunder, and (b) the lands lying outside the Unit Area, as to all formations thereunder; and the provisions of such lease shall apply separately as to such segregated parts commencing as of the effective date of unitization.

(i) The segregation of any Federal lease committed to this agreement is governed by the following provisions in the fourth paragraph of Sec. 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 nonunitized 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."

(j) Any lease embracing lands of the State of New Mexico having only a portion of its lands committed hereto, shall be segregated as to the portion committed and the portion not committed, and the provisions of such lease shall apply separately to such segregated portions commencing as of the effective date hereof; provided, however, notwithstanding any of the provisions of this agreement to the contrary, any lease embracing lands of the State of New Mexico having only a portion of its lands committed hereto shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease, if oil or gas is discovered and is capable of being produced in paying quantities from some part of the lands embraced in such lease at the expiration of the secondary term of such lease, or if, at the expiration of the secondary term, the lessee or Unit Operator is then engaged in bona fide drilling or reworking operations on some part of the lands embraced in such lease, the same, as to all lands embraced therein shall remain in full force and effect so long as such operations are being diligently prosecuted, and if they result in the production of oil or gas, said lease shall continue in full force and effect as to all of the lands embraced therein, so long thereafter as oil or gas in paying quantities is being produced from any portion of said lands.

(k) Any lease, other than an Indian or a Federal lease, having only a portion of its lands committed hereto shall be segregated as to the portion committed and the portion not committed, and 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 tracts.

19. COVENANTS RUN WITH LAND. The covenants herein shall be construed to be covenants running with the land with respect to the interest of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee or other successor in interest. No assignment or transfer of any working interest, royalty, or other interest subject hereto shall be binding upon Unit Operator until the first day of the calendar month after Unit Operator is furnished with the original, photostatic, or certified copy of the instrument of transfer.

20. EFFECTIVE DATE AND TERM. This agreement shall become effective upon approval by the Secretary and the Indian Commissioner and Commissioner, or their duly authorized representatives and shall terminate five (5) years from said effective date unless:

(a) such date of expiration is extended by the Director and Commissioner, or

(b) it is reasonably determined prior to the expiration of the fixed term or any extension thereof that the unitized land is incapable of production of unitized substances in paying quantities in the formations tested hereunder and after notice of intention to terminate the agreement on such ground is given by the Unit Operator to all parties in interest at their last known addresses, the agreement is

terminated with the approval of the Supervisor and the Commissioner, or

(c) a valuable discovery of unitized substances has been made or accepted on unitized land during said initial term or any extension thereof, in which event the agreement shall remain in effect for such term and so long as unitized substances can be produced in quantities sufficient to pay for the cost of producing same from wells on unitized land within any participating area established hereunder and, should production cease, so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as unitized substances so discovered can be produced as aforesaid, or

(d) it is terminated as heretofore provided in this agreement.

This agreement may be terminated at any time by not less than 75 per centum, on an acreage basis, of the working interest owners signatory hereto, with the approval of the Supervisor and Commissioner; notice of any such approval to be given by the Unit Operator to all parties hereto.

21. RATE OF PROSPECTING, DEVELOPMENT AND PRODUCTION. The Director is hereby vested with authority to alter or modify from time to time in his discretion the quantity and rate of production under this agreement when such quantity and rate is not fixed pursuant to Federal or State law or does not conform to any statewide voluntary conservation or allocation program, which is established, recognized and generally adhered to by the majority of operators in such State, such authority being hereby limited to alteration or modification in the public interest, the purpose

thereof and the public interest to be served thereby to be stated in the order of alteration or modification. Without regard to the foregoing, the Director is also hereby vested with authority to alter or modify from time to time in his discretion the rate of prospecting and development and the quantity and rate of production under this agreement when such alteration or modification is in the interest of attaining the conservation objectives stated in this agreement and is not in violation of any applicable Federal or State law; provided, further, that no such alteration or modification shall be effective as to any land of the State of New Mexico, as to the rate of prospecting and developing in the absence of the specific written approval thereof by the Commissioner and as to any lands of the State of New Mexico or privately owned lands subject to this agreement as to the quantity and rate of production in the absence of specific written approval thereof by the Division.

Power in this section vested in the Director shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than 15 days from notice.

22. CONFLICT OF SUPERVISION. Neither the Unit Operator nor the working interest owners nor any of them shall be subject to any forfeiture, termination or expiration of any rights hereunder or under any leases or contracts subject hereto, or to any penalty or liability on account of delay or failure in whole or in part to comply with any applicable provision thereof to the extent that the Unit Operator, working interest owners or any of them are hindered, delayed or prevented from complying therewith by reason of failure of the Unit Operator to obtain in the exercise of due diligence, the concurrence of proper representatives of the

United States and proper representatives of the State of New Mexico in and about any matters or things concerning which it is required herein that such concurrence be obtained. The parties hereto, including the Division, agree that all powers and authority vested in the Division in and by any provisions of this agreement are vested in the Division and shall be exercised by it pursuant to the provisions of the laws of the State of New Mexico and subject in any case to appeal or judicial review as may now or hereafter be provided by the laws of the State of New Mexico.

23. APPEARANCES. Unit Operator shall, after notice to other parties affected, have the right to appear for and on behalf of any and all interests affected hereby before the Department of the Interior, the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Division and to appeal from orders issued under the regulations of said Department, the Division or Commissioner or to apply for relief from any of said regulations or in any proceedings relative to operations before the Department of the Interior, the Commissioner, or Division, or any other legally constituted authority, provided, however, that any other interested party shall also have the right at his own expense to be heard in any such proceeding.

24. NOTICES. All notices, demands or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if given in writing and personally delivered to the party or sent by postpaid registered or certified mail, addressed to such party or parties at their respective addresses set forth in connection with the signatures hereto or to the ratification or consent hereof or to such other address as any such party may have furnished in writing to party sending the notice,

demand or statement.

25. NO WAIVER OF CERTAIN RIGHTS. Nothing in this agreement contained shall be construed as a waiver by any party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State wherein said unitized lands are located, or of the United States, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive.

26. UNAVOIDABLE DELAY. All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or produce unitized substances from any of the lands covered by this agreement shall be suspended while the Unit Operator, despite the exercise of due care and diligence, is prevented from complying with such obligations, in whole or in part, by strikes, acts of God, Federal, State or municipal law or agencies, unavoidable accidents, uncontrollable delays in transportation, inability to obtain necessary materials in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not. No unit obligation which is suspended under this section shall become due less than thirty (30) days after it has been determined that the suspension is no longer applicable. Determination of creditable "Unavoidable Delay" time shall be made by the Unit Operator subject to approval of the Supervisor and Commissioner.

27. NONDISCRIMINATION. In connection with the performance of work under this agreement, the operator agrees to comply with all of the provisions of section 202 (1) to (7) inclusive of Executive Order 11246 (30 F.R. 12319) as amended, which are hereby

incorporated by reference in this agreement. The Unit Operator shall also comply with the terms and conditions of the Indian leases while engaged in operations thereon with respect to the employment of available Indian labor.

28. LOSS OF TITLE. In the event title to any tract of unitized land shall fail and the true owner cannot be induced to join in this unit agreement, such tract shall be automatically regarded as not committed hereto and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title to any royalty, working interest or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that, as to Federal and State land or leases, no payments of funds due the United States or State of New Mexico should be withheld, but such funds of the United States shall be deposited as directed by the Supervisor and such funds of the State of New Mexico shall be deposited as directed by the Commissioner 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.

Unit Operator, as such, is relieved from any responsibility for any defect or failure of any title hereunder.

29. NON-JOINDER AND SUBSEQUENT JOINDER. If the owner of any substantial interest in a tract within the unit area fails or refuses to subscribe or consent to this agreement, the owner of the working interest in that tract may withdraw said tract from this agreement by written notice delivered to the Supervisor

and the Commissioner and the Unit Operator prior to the approval of this agreement by the Supervisor and Commissioner. Any oil or gas interests in lands within the unit area not committed hereto prior to submission of this agreement for final approval may thereafter be committed hereto by the owner or owners thereof subscribing or consenting to this agreement, and, if the interest is a working interest, by the owner of such interest also subscribing to the unit operating agreement. After operations are commenced hereunder, the right of subsequent joinder, as provided in this section, by a working interest owner is subject to such requirements or approvals, if any, pertaining to such joinder, as may be provided for in the unit operating agreement. After final approval hereof, joinder by a non-working interest owner may be consented to in writing by the working interest owner committed hereto and responsible for the payment of any benefits that may accrue hereunder in behalf of such non-working interest. A non-working interest may not be committed to this unit agreement unless the corresponding working interest is committed hereto. Joinder to the unit agreement by a working interest owner, at any time, must be accompanied by appropriate joinder to the Unit Operating Agreement, if more than one committed working interest owner is involved, in order for the interest to be regarded as committed to this unit agreement. Except as may otherwise herein be provided, subsequent joinders to this agreement shall be effective as of the first day of the month following the filing with the Supervisor and the Commissioner of duly executed counterparts of all or any papers necessary to establish effective commitment of any tract to this agreement unless objection to such joinder is duly made within 60 days by the Supervisor, provided, however, that as to State lands

all subsequent joinders must be approved by the Commissioner.

30. COUNTERPARTS. This agreement may be executed in any number of counterparts no one of which needs to be executed by all parties or may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all those parties who have executed such a counterpart, ratification, or consent hereto with the same force and effect as if all such parties had signed the same document and regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands within the above described unit area.

31. BUREAU OF LAND MANAGEMENT STIPULATIONS. Nothing in this agreement shall modify or change any special Federal stipulation relating to surface management, surface disturbances, or cultivar resources attached to and made a part of any oil and gas lease covering lands within the unit area.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed and have set opposite their respective names the date of execution.

UNIT OPERATOR AND WORKING INTEREST OWNER

DATE: September 1, 1979
Address: P. O. Box 1150
Midland, TX 79702

GULF OIL CORPORATION

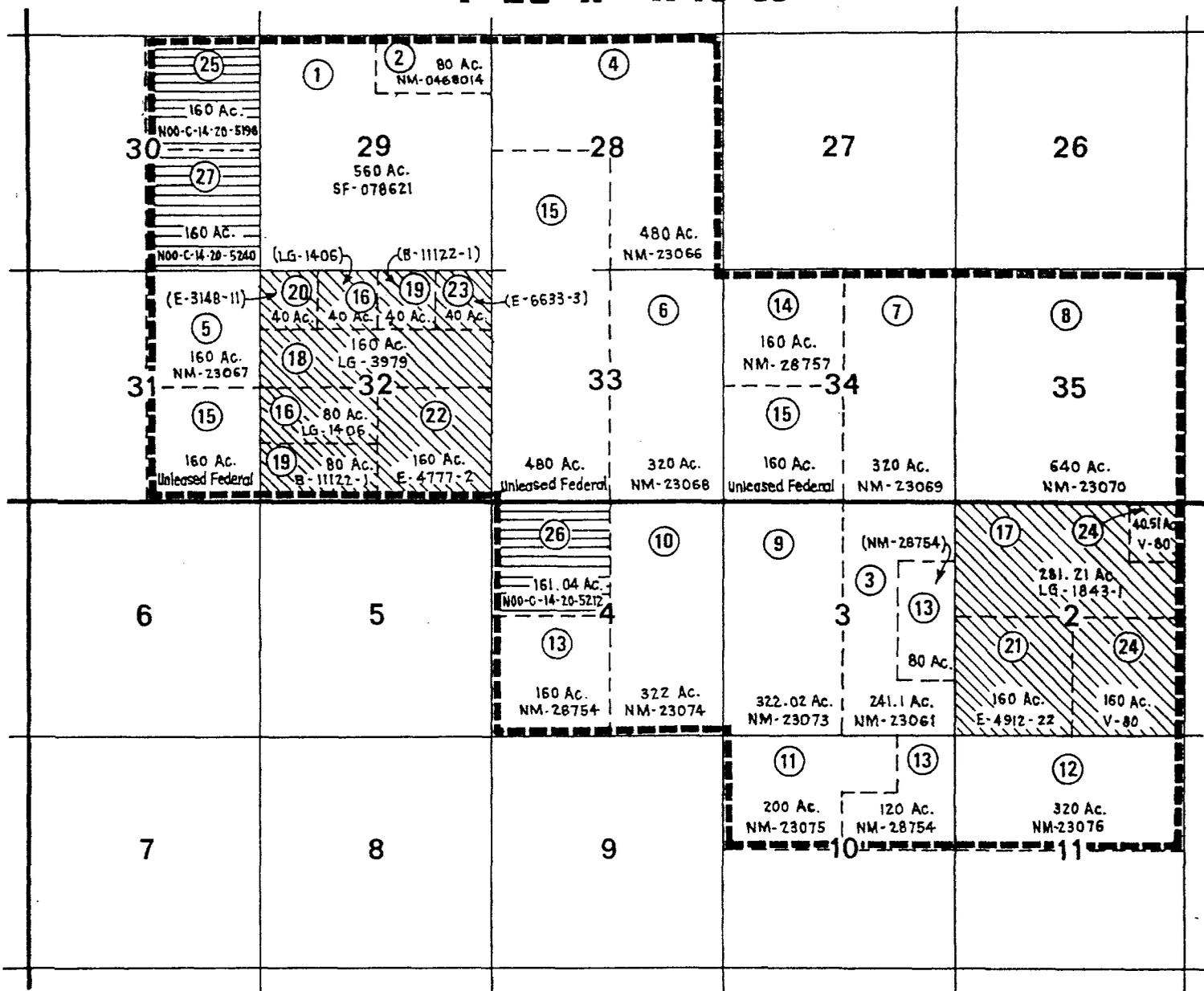
By [Signature]
Attorney in Fact

ATTEST:

[Signature]
Assistant Secretary

11/17/79
RBP
Just RP

T-25-N R-10-W



T-24-N R-10-W

EXHIBIT A SOUTHEAST BISTI UNIT SAN JUAN COUNTY, NEW MEXICO

TRACT NUMBERS

- | | |
|---------------|----------------------|
| 1. SF-078621 | 15. UNLEASED FEDERAL |
| 2. NM-0468014 | 16. LG-1406 |
| 3. NM-23061 | 17. LG-1843-1 |
| 4. NM-23066 | 18. LG-3979 |
| 5. NM-23067 | 19. B-11122-1 |
| 6. NM-23068 | 20. E-3148-11 |
| 7. NM-23069 | 21. E-4912-22 |
| 8. NM-23070 | 22. E-4777-2 |
| 9. NM-23073 | 23. E-6633-3 |
| 10. NM-23074 | 24. V-80 |
| 11. NM-23075 | 25. NOO-C-14-20-5198 |
| 12. NM-23076 | 26. NOO-C-14-20-5212 |
| 13. NM-28754 | 27. NOO-C-14-20-5240 |
| 14. NM-28757 | |

LEGEND

- | | |
|-----------------------|--|
| Unit Area Outline | |
| Federal Lands | |
| 5285.12 Acres | |
| 74.988791 % Unit Area | |
| State Lands | |
| 1281.72 Acres | |
| 18.185894 % Unit Area | |
| Indian Allotments | |
| 481.04 Acres | |
| 6.825315 % Unit Area | |

EXHIBIT "A"

SOUTHEAST BISTI UNIT

UNIT AREA DESCRIPTION

T-24-N, R-10-W, N.M.P.M.

Section: 2: All
Section: 3: All
Section: 4: All
Section: 10: N/2
Section: 11: N/2

T-25-N, R-10-W, N.M.P.M.

Section: 28: All
Section: 29: All
Section: 30: E/2
Section: 31: E/2
Section: 32: All
Section: 33: All
Section: 34: All
Section: 35: All

containing 7,047.88 acres, more or less,
San Juan County, New Mexico

EXHIBIT "B"

SCHEDULE OF LANDS AND LEASES

SOUTHEAST BISTI UNIT
SAN JUAN COUNTY, NEW MEXICO

Tract No.	Description	Acres	Serial No. and Expiration Date	Basic Royalty & Percentage	Lessee of Record & Percentage	Overriding Royalty and Percentage	Working Interest and Percentage
1	T-25-N, R-10-W Sec. 29: All except the N/2 NE/4	560.0	SF-078621 HBP	12.5% U.S.A.	Brookhaven Oil Co. 8.18775% Dacresa Corp. 28.16600% Odessa Natural Corp. 50% Energy Reserves Group, Inc. 13.64625%	None	Brookhaven Oil Co. 8.18775% Dacresa Corp. 28.16600% Odessa Natural Corp. 50% Energy Reserves, Inc. 13.64625%
2	T-25-N, R-10-W Sec. 29: N/2 NE/4	80.0	NM-0468014 HBP	12.5% U.S.A.	Energy Reserves Group, Inc. 86.354% Amoco Production Co. 13.646%	None	Energy Reserves Group, Inc. 86.354% Amoco Production Co. 13.646%
3	T-24-N, R-10-W Sec. 3: Lots 1, 2 SW/4 NE/4, W/2 SE/4, SE/4 SE/4	241.1	NM-23061 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
4	T-25-N, R-10-W Sec. 28: E/2, NW/4	480.0	NM-23066 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
5	T-25-N, R-10-W Sec. 31: NE/4	160.0	NM-23067 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
6	T-25-N, R-10-W Sec. 33: E/2	320.0	NM-23068 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
7	T-25-N, R-10-W Sec. 34: E/2	320.0	NM-23069 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
8	T-25-N, R-10-W Sec. 35: All	640.0	NM-23070 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%

9	T-24-n, R-10-W Sec. 3: Lots 3,4, S/2 NW/4, SW/4	322.02	NM-23073 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
10	T-24-N, R-10-W Sec. 4: Lots 1, 2, S/2 NE/4, SE/4	322.0	NM-23074 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
11	T-24-N, R-10-W Sec. 10: NW/4, NW/4 NE/4	200.0	NM-23075 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
12	T-24-N, R-10-W Sec. 11: N/2	320.0	NM-23076 12-31-79	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
13	T-24-N, R-10-W Sec. 3: SE/4 NE/4, NE/4 SE/4; Sec 4: SW/4, Sec. 10: NE/4 NE/4, S/2 NE/4	360.0	NM-28754 10-31-81	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
14	T-25-N, R-10-W Sec. 34: NW/4	160.0	NM-28757 10-31-81	Schedule B U.S.A.	Gulf Oil Corp. 100%	None	Gulf Oil Corp. 100%
15	T-25-N, R-10-W Sec 28: SW/4 Sec 31: SE/4 Sec 33: W/2 Sec 34: SW/4	800.0	Unleased Federal	12.5% U.S.A.	Unleased	None	Unleased

TOTAL: 5,285.12 Acres Federal Lands, 74,988791% of the Unit Area

16	T-25-N, R-10-W Sec. 32: NE/4 NW/4, N/2 SW/4	120.0	LG-1406 11-1-83	12.5% State of New Mexico	Tenneco Oil Company 100%	None	Tenneco Oil Company 100%
17	T-24-N, R-10-W Sec. 2: NW/4, S/2 NE/4, NW/4 NE/4	281.21	LG-1843-1 6-1-84	12.5% State of New Mexico	Tenneco Oil Company 100%	None	Tenneco Oil Company 100%
18	T-25-N, R-10-W Sec. 32: S/2 N/2	160.0	LG-3979 1-1-87	12.5% State of New Mexico	Gulf Oil Corporation 100%	None	Gulf Oil Corporation 100%
19	T-25-N, R-10-W Sec. 32: NW/4 NE/4, S/2 SW/4	120.0	B-11122-1 HBP	12.5% State of New Mexico	Chevron USA, Inc. 100%	None	Chevron USA, Inc. 100%
20	T-25-N, R-10-W Sec. 32: NW/4 NW/4	40.0	E-3148-11	12.5% State of New Mexico	Tenneco Oil Co. 100%	John & Jean Burrroughs 2.5%	Tenneco Oil Co. 100%
21	T-24-N, R-10-W Sec. 2: SW/4	160.0	E-4912-22 HBP	12.5%	Energy Reserves Group, Inc. 100%	William W. Hunker 1% John G. S. Wong & Shew King Wong 1% G. H. Doelling, Jr. 2% Edward Gow Gee 1%	Energy Reserves Gro Inc. 100%
22	T-25-N, R-10-W Sec. 32: SE/4	160.0	E-4777-2 HBP	12.5% State of New Mexico	Exxon Corporation 100%	A. L. Greer) 3% George Krause)	Exxon Corporation 100%
23	T-25-N, R-10-W Sec. 32: NE/4 NE/4	40.0	E-6633-3 HBP	12.5% State of New Mexico	Tenneco Oil Company 100%	None	Tenneco Oil Company 100%

24	T-24-N, R-10-W Sec. 2: NE/4 NE/4, SE/4	200.51	V-80 2-1-87	12.5% State of New Mexico	3E Company, Inc. 100%	None	3E Company, Inc. 6.25% Dietrich Expl. Co. Inc. 53.3333 William A. Jenkins Inc. 22.6667 Hicks Enco, Inc. 13.3333 Charles E. Osgood Jr. 10.6667 of 93.75%
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TOTAL: 1,281.72 Acres State Lands, 18.185894% of the Unit Area

25	T-25-N, R-10-W Sec. 30: NE/4	160.0	N00-C-14-20-5198 11-18-83	16.67% B.I.A.	Union Oil of Calif. 100%	None	Union Oil of Calif. 100%
26	T-24-N, R-10-W Sec. 4: Lots 3,4, S/2 NW/4	161.04	N00-C-14-20-5212 11-26-83	16.67% B.I.A.	Tenneco Oil Company 100%	None	Tenneco Oil Company 100%
27	T-25-N, R-10-W Sec. 30: SE/4	160.0	N00-C-14-20-5240 11-26-83	16.67% B.I.A.	Tenneco Oil Company 100%	None	Tenneco Oil Company 100%

TOTAL: 481.04 Acres Indian Allotments, 6.825315% of the Unit Area

RECAPITULATION

Federal Lands	5,285.12 Acres	74.988791% of Unit Area
State Lands	1,281.72 Acres	18.185894% of Unit Area
Indian Allotments	<u>481.04 Acres</u>	<u>6.825315% of Unit Area</u>
	<u>7,047.88 Acres</u>	<u>100.000000% of Unit Area</u>

SUMMARY OF TOTAL ACREAGE COMMITTED AND UNCOMMITTED

A. Federal Acreage 5, 285. 12 acres - 74, 988791% of Unit Area

Lessee of Record	Working Interest/Owners	Overriding Royalty/Owner
Committed - 4 of 6	4 of 6	NA
Uncommitted - 2	2	
290, 9168 acres = 5. 5045% of the acreage uncommitted not committed		

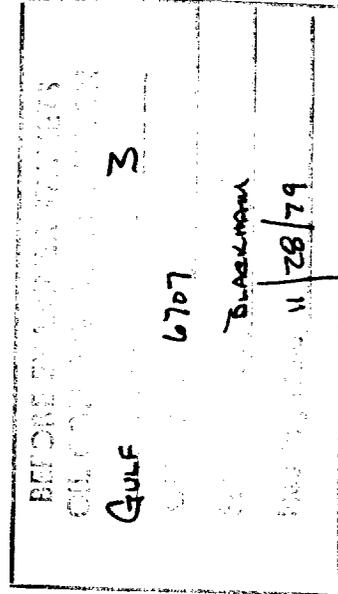
B. State Acreage 1, 281. 72 acres - 18. 185894% of Unit Area

Lessee of Record	Working Interest/Owners	Overriding Royalty/Owner
Committed - 6 of 6	10 of 10	2 of 8
Uncommitted - 0	-0-	6

C. Indian Allotments 481. 04 acres - 6. 825315% of Unit Area

Lessee of Record	Working Interest/Owner	Overriding Royalty/Owner
Committed - 1 of 2	1 of 2	NA
Uncommitted 1	160 acres = 33. 26% of Indian Allotments not committed	uncommitted

1. Status of Ratification from Indian Allottees



Bill Carr

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

November 27, 1979

BEFORE EXAMINED STAMETS	
OIL CONSERVATION DIVISION	
GULF	4
6707	
BLACKHAM	
11/28/79	

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Gulf Oil Corporation
P. O. Drawer 1150
Midland, Texas 79702

Re: Proposed Southeast Bisti Unit
San Juan County, New Mexico

ATTENTION: Mr. R. E. Griffith

Gentlemen:

Your form of unit agreement for the proposed Southeast Bisti Unit, which was handed to us by Mr. Bill Carr, has been reviewed and we find it meets the requirements of the Commissioner of Public Lands with only a few statutory corrections which we have outlined in red in the enclosed form.

The Commissioner of Public Lands has this date approved your agreement as to form and content, with the understanding that those corrections in red be made.

When submitting your agreement for final approval, the following are required by this office:

1. Application for final approval stating all tracts committed and tracts not committed.
2. Two fully executed copies of unit agreement, together with two copies of Exhibits "A" and "B".
3. Two sets of all ratifications from Lessees of Record and Working Interest Owners. One must reflect original signatures.
4. One copy of Operating Agreement.
5. The filing fee in the amount of One Hundred and Thirty (\$130.00) Dollars.
6. Order of the New Mexico Oil Conservation Division.

Gulf Oil Corporation
November 27, 1979
Page 2.

If we may be of further help please do not hesitate to call on
us.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encl.

GEOLOGIC COMMENTS AND PROGNOSIS

Re: Southeast Bisti Unit
T-24, 25-N, R-10-W
San Juan County, New Mexico

Gulf plans to drill a 6,400-foot wildcat on the 7,047.88 acre Southeast Bisti Unit to penetrate and test the second Dakota sandstone (lower Cretaceous Age). Gulf's surface casing program for this well is designed for 300 feet to protect the shallow fresh water bearing zones in the unit area.

The Southeast Bisti Unit Prospect is based on subsurface mapping at the Graneros level and isopachous mapping of the second Dakota Sandstone. The Graneros structural contours indicate the Unit area is on trend with second Dakota gas production to the northwest in T-25-N, R-10 and 11-W, while the majority of the unit area, and the majority of the gas production to the northwest has net isopachous intervals greater than 20 feet. This trend of production from northwest to southeast that parallels the structural strike on the Graneros horizon appears to represent a barrier island type of sand deposition. A continuation of the barrier island trend extends across the prospect area and this island of sand deposition is confined by tidal inlets, or surge channels, on the northwest and southeast. Gulf feels that in order to have commercial production from this Dakota Sandstone interval there has to be at least 20 feet of net sandstone present.

The Unit, therefore, includes all half sections in which 50% or more than 50% of that half section has 20 feet or more net sand in the second Dakota Sandstone interval.

Expected formation tops are as follows:

Fruitland	1,720
Picture Cliff	1,740
Point Lookout	4,220
Gallup	5,200
Graneros	6,160
Second Dakota Sandstone	6,260

D. B. Kowert
Geologist
Gulf Oil Corporation

DBK:pk1

SEARCHED	INDEXED
SERIALIZED	FILED
GULF	5
6707	
KOWERT	
Logging Date 11/28/79	