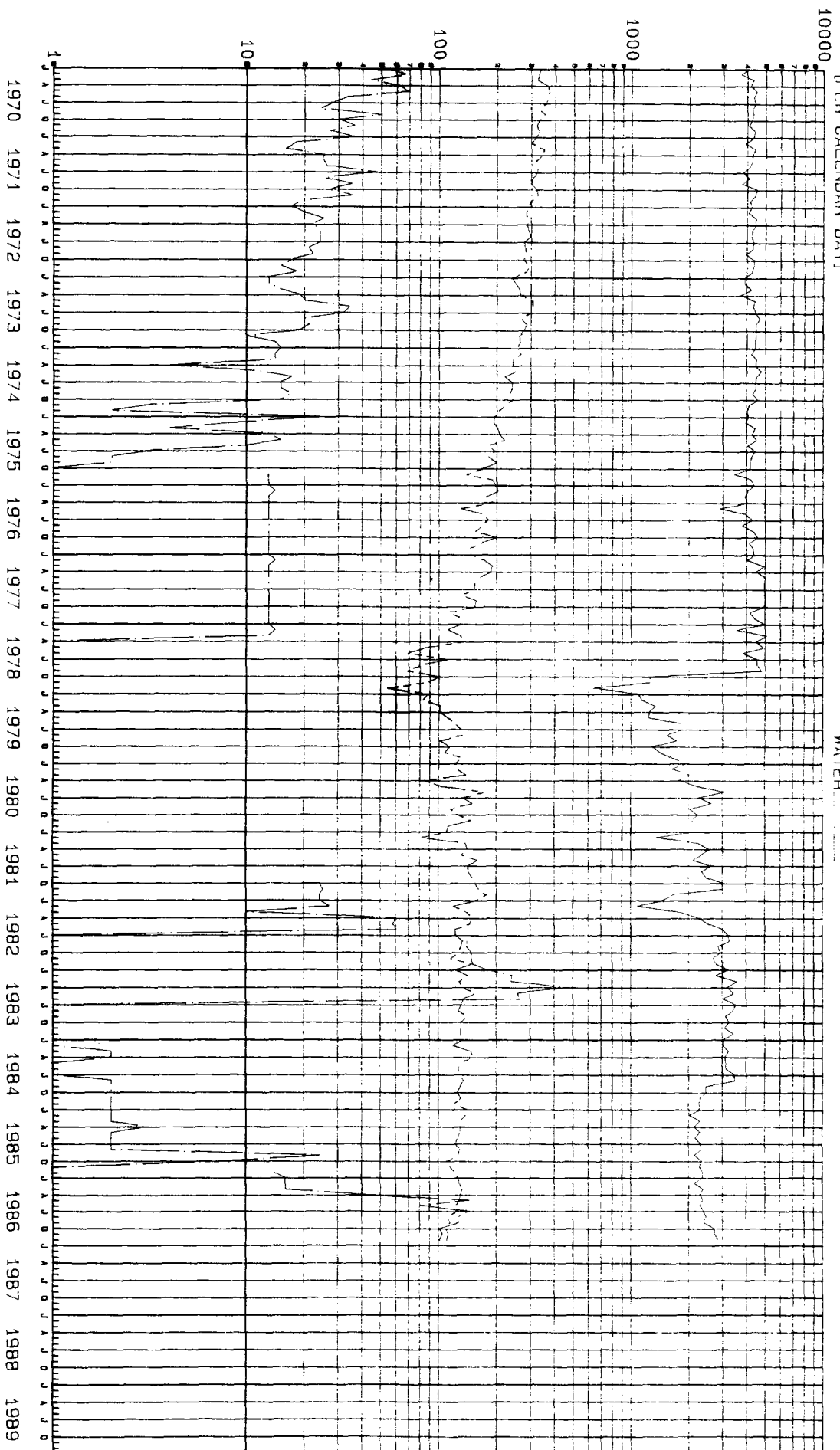
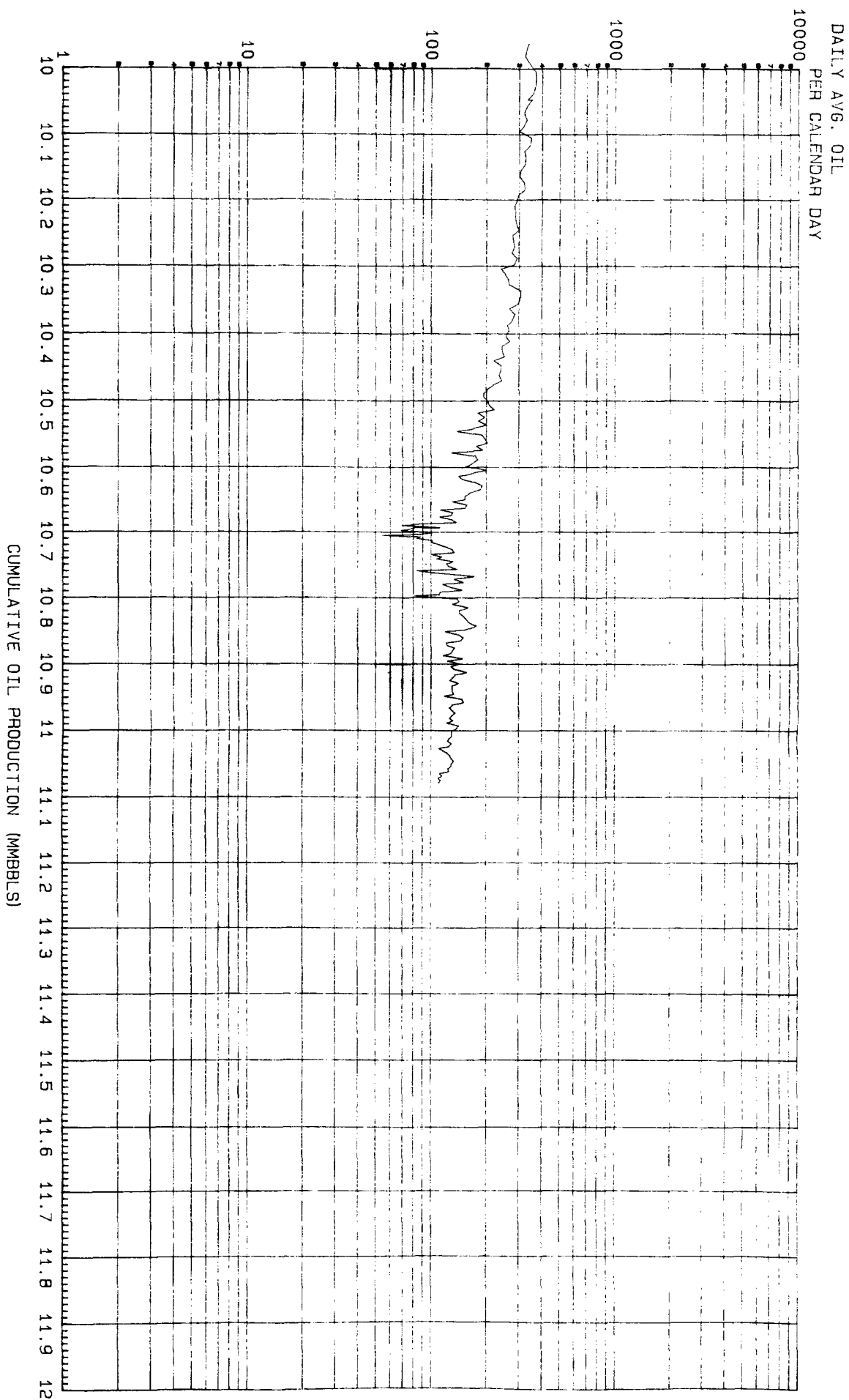


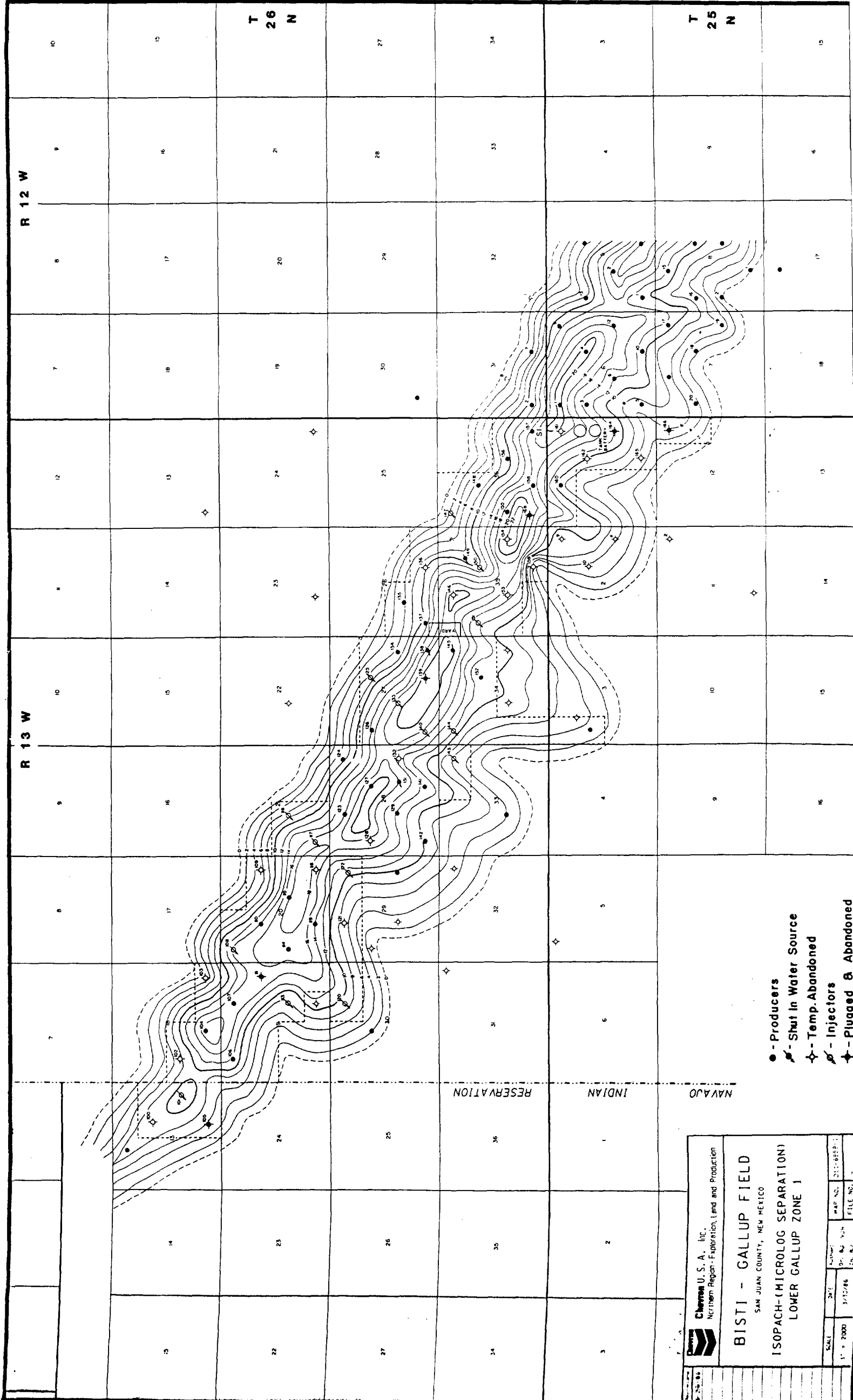
CHEVRON U.S.A. INC.
WEST BISTI UNIT, NEW MEXICO, LEASE #51719


DAILY AVG. PROD.
[PER CALENDAR DAY]

OIL -----
GAS -----
WATER -----







**Chevron U. S. A. Inc.**
Northern Region - Exploration, Land and Production

BISTI - GALLUP FIELD
SAN JUAN COUNTY, NEW MEXICO

ISOPACH-(MICROLOG SEPARATION)
LOWER GALLUP ZONE 1

DATE	BY	APPROVED	DATE	FILE NO.
3/12/86				

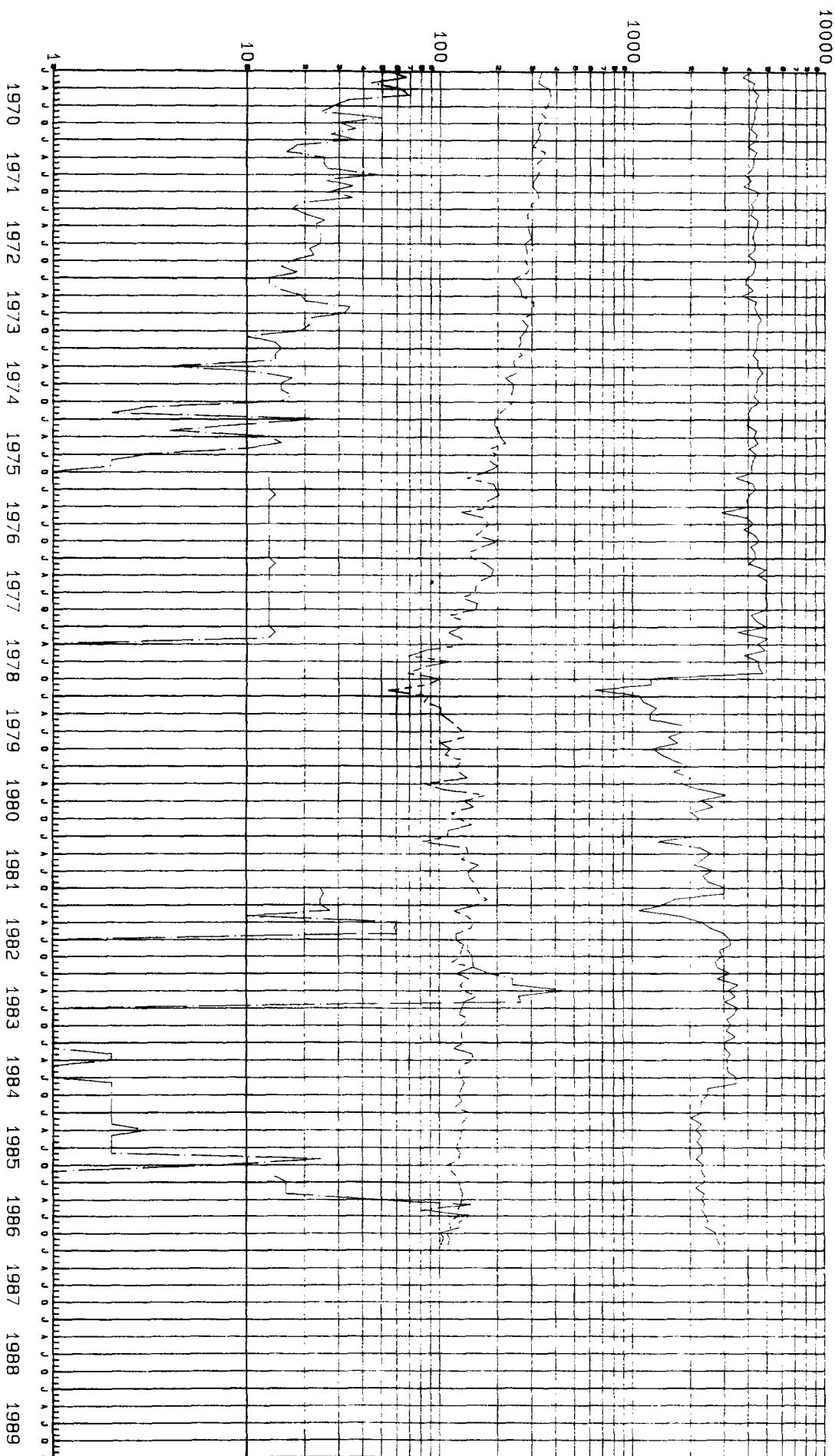
SCALE	DATE	BY	APPROVED	DATE	FILE NO.
1" = 2000'					

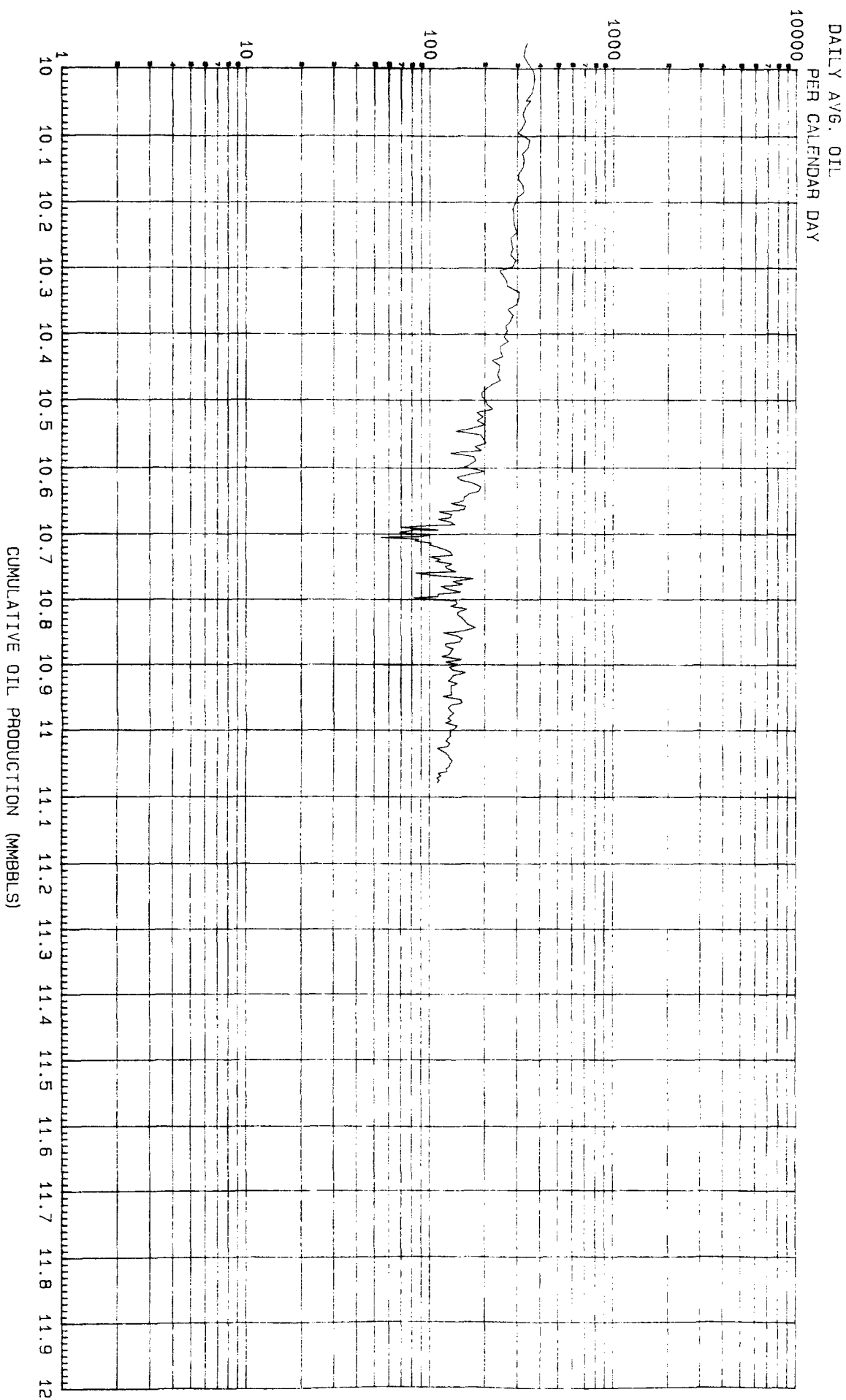
- - Producers
- ◊ - Shut in Water Source
- ◇ - Temp. Abandoned
- ✱ - Injectors
- ✱ - Plugged & Abandoned

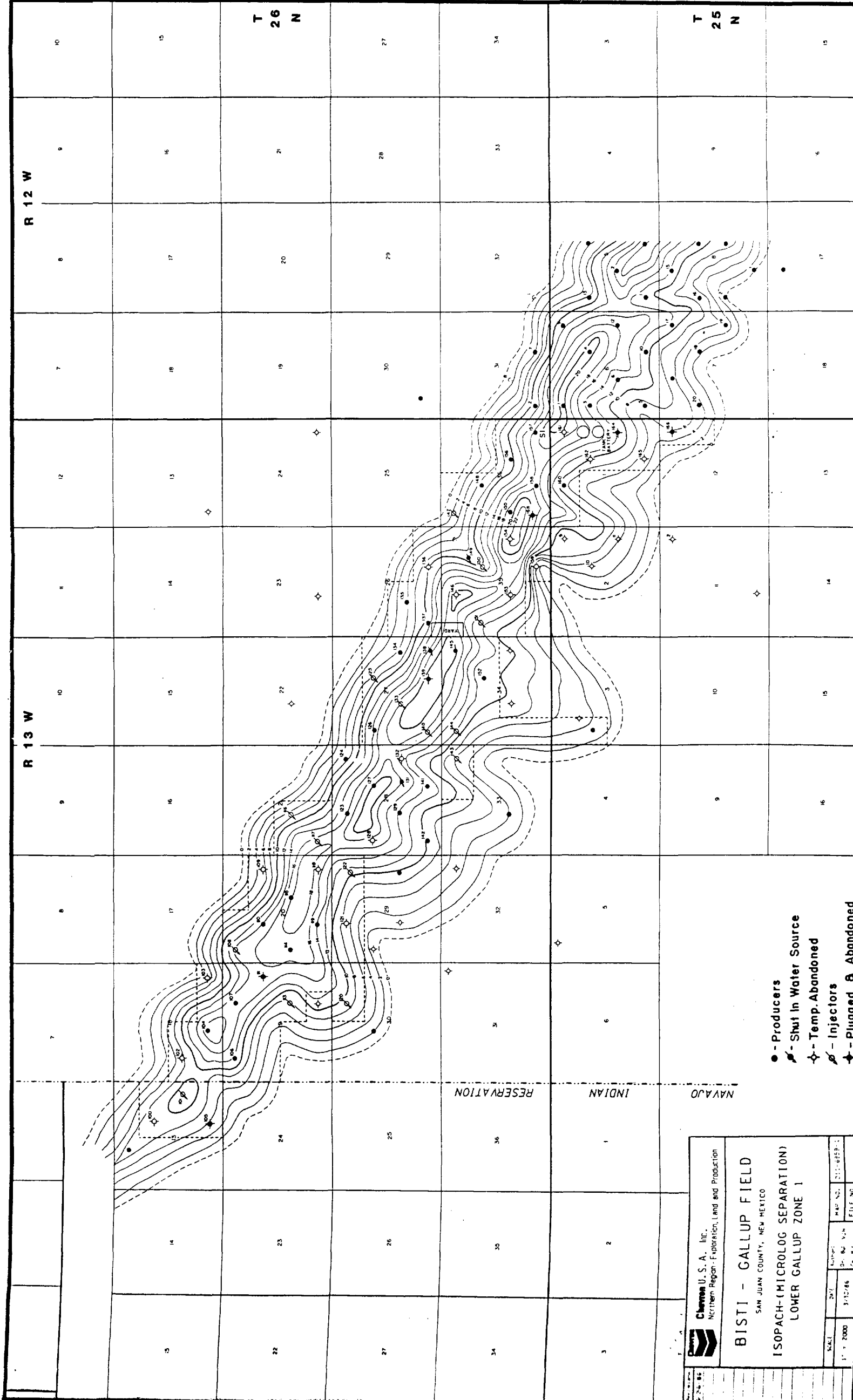
CHEVRON U.S.A. INC.
WEST BISTI UNIT, NEW MEXICO, LEASE #51719

DAILY AVG. PROD.
[PER CALENDAR DAY]

OIL _____
GAS _____
WATER _____







Chesapeake U.S.A., Inc.
Northern Region-Exploration, Land and Production

SCALE

1" = 2000'

DATE

3/12/86

MAP NO.

211-6259-1

FILE NO.

BISTI - GALLUP FIELD

SAN JUAN COUNTY, NEW MEXICO

ISOPACH-(MICROLOG SEPARATION)

LOWER GALLUP ZONE 1

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



GARREY CARRUTHERS
GOVERNOR

March 4, 1987

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Chevron U.S.A. Inc.
Overthrust Area Office
P. O. Drawer AA
Evanston, Wy. 82930

Attention: T. L. Perryman

Re: 1987 Plan of Development and
1986 Review of Operations
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely, ✓

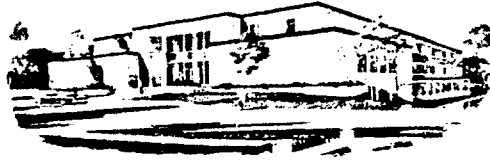
A handwritten signature in dark ink, appearing to read "Roy E. Johnson".

ROY E. JOHNSON,
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

March 12, 1987

Chevron U. S. A. Inc.
ATTENTION: Mr. T. L. Perryman
P. O. Drawer AA
Evanston, Wy. 82930

Re: 1987 Plan of Development
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

The New Mexico Oil Conservation Division has notified this office that your 1987 Plan of Development for the West Bisti Lower Gallup Sand Unit area, San Juan County, New Mexico has been approved.

Our records reflect that your last plan of Development for the referenced unit covered the period of 1986.

Under the terms of Article 10 of the Unit Agreement, please submit your Plan of Development for 1987.

As part of your plan we require an up-to-date map of the unit area showing all wells and their zone(s) of completion. In addition please furnish a summary by months of the last years production history. Please be advised that the above information (map and production history) will be required by this office on all future Plans of Development that require the Land Commissioner's approval.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch

State of New Mexico

#1866



Commissioner of Public Lands

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

June 19, 1986

Chevron U. S. A., Inc.
Attention: Mr. T. L. Perryman
P. O. Drawer AA
Evanston, Wy 82930

Re: 1986 Plan of Development and
Review of Operations
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1986 Plan of Development for the West Bisti Lower Gallup Sand Unit Area, San Juan County, New Mexico. Such plan calls for the drilling of no new wells and the plugging and abandonment of three unit wells.


Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

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

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands
June 11, 1986

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

Chevron U.S.A., Inc.
Attn: Mr. C. M. Babbitt
Overthrust Area Office
P. O. Drawer AA
Evanson, WY 82930

Re: West Bisti Lower Gallup Sand
Unit, San Juan County, New Mexico

Gentlemen:

This office is in receipt of your letter of May 13, 1986 wherein you have advised this office that you have requested BLM approval for Temporary Abandonment Extensions of nineteen wells in the West Bisti Lower Gallup Sand Unit Area. The 19 Temporarily Abandoned Wells are the Nos. 154, 136, 165, 139, 118, 162, 153, 109, 161, 146, 103, 133, 121, 102, 131, 132, 100, 128 and 119.

Please be advised that we have no objections to your proposed request.

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

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

By: *F. O. Prado*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/PM
cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

July 29, 1985

#1866

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

Express Mail Delivery Use:
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Chevron U.S.A. Inc.
P. O. Box 670
Hobbs, New Mexico 80240

Re: West Bisti Lower Gallup Sand Unit
1985 Plan of Development
San Juan County, New Mexico

ATTENTION: Mr. R. C. Anderson

Gentlemen:

The Commissioner of Public Lands has this date approved your 1985 Plan of Development for the West Bisti Lower Gallup Sand Unit San Juan County, New Mexico. Such plan calls for no further development of the unit area during 1985. Our approval is subject to like approval by the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

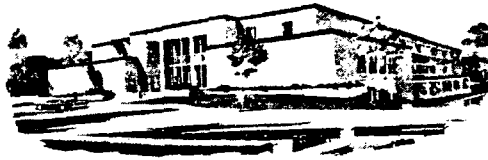
BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico
BLM-Roswell, New Mexico

#1866

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands
January 10, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Gulf Oil Exploration and Production Company
P. O. Box 670
Hobbs, New Mexico 88240

Re: 1984 Plan of Development
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

ATTENTION: Mr. R. C. Anderson

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Plan of Development for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico. Such plan calls for no further development in 1984. Our approval is subject to like approval by the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls
cc:

OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

Gulf Oil Corporation


ROSWELL PRODUCTION DISTRICT

April 11, 1967

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

P. O. Drawer 1938
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

 Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: West Bisti Unit
San Juan County, New Mexico

Gentlemen:

Enclosed for your file and information are two copies of the Decision dated April 7, 1967 whereby Gulf is designated new Unit Operator of the West Bisti Unit by the United States Geological Survey.

The Certificate of Approval by the Commissioner of Public Lands relative to Gulf's status as Successor Operator is dated February 23, 1967.

Please let us know if additional copies are needed.

Yours very truly,


H. A. Rankin

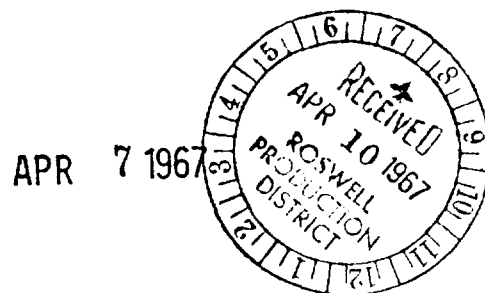
Enclosure

CW:bc





UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242



BB
RM
Gulf Oil Corporation
P. O. Box 1938
Roswell, New Mexico 88201

Gentlemen:

On April 4, 1967, Arthur A. Baker, Acting Director of the Geological Survey, approved the indenture whereby you became the new unit operator under the West Bisti Lower Gallup Sand unit agreement, San Juan County, New Mexico, No. 14-08-0001-6890.

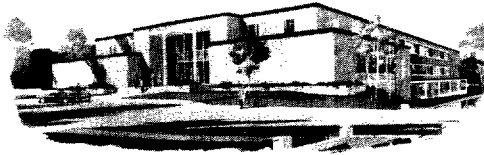
Enclosed is one copy of the approved indenture for your records. We request that you furnish the State of New Mexico, and any other interested principal, with whatever evidence of this approval is deemed appropriate.

Sincerely yours,

Arthur A. Baker
For the Director

Enclosure

State of New Mexico



1866

Commissioner of Public Lands



GUYTON B. HAYS
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

February 23, 1967

Gulf Oil Corporation
P. O. Box 1938
Roswell, New Mexico

Re: West Bisti Lower Gallup Sand
Unit
San Juan County, New Mexico
(Successor Unit Operator)

ATTENTION: Mr. William V. Kastler

Gentlemen:

The Commissioner of Public Lands accepts the Resignation of The British-American Oil Producing Company as operator of the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico and by enclosed Certificate approves Gulf Oil Corporation as the successor Unit Operator.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
Ted Bilberry, Director
Oil and Gas Department

GBH/MHR/s
encls

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1837
Roswell, New Mexico 88201

1866

February 20, 1967

Gulf Oil Corporation
P. O. Drawer 1938
Roswell, New Mexico 88201

Attention: Mr. H. A. Rankin

Gentlemen:

Your letter of February 2 transmits eight copies each of revised Exhibits A and B to the West Bisti Lower Gallup Sand unit, San Juan County, New Mexico. The exhibits are revised to show the unit area remaining after automatic elimination effective November 7, 1965.

Copies of the revised exhibits are being distributed to the appropriate Federal offices. All copies surplus to our needs are returned herewith.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:

Washington (w/cy Rev. Ex. A & B)
BLM - Santa Fe (w/cy Rev. Ex. A & B)
Farmington (w/cy Rev. Ex. A & B)
Nav. Ind. Ag. (w/cy Rev. Ex. A & B)
Area Director (w/cy Rev. Ex. A & B)
Com. Pub. Lands - Santa Fe (ltr. only)
NMOCC - Santa Fe (ltr. only) ✓
Accounts

Gulf Oil Corporation

ROSWELL PRODUCTION DISTRICT

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

February 2, 1967

P. O. Drawer 1938
Roswell, New Mexico

Commissioner of Public Lands
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Oil and Gas Supervisor
U. S. Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

Re: West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:


The Washington U. S. Geological Survey advised The British-American Oil Producing Company by its letter of March 28, 1966, that revised Exhibits "A" and "B" should be filed with the Oil and Gas Supervisor in Roswell, New Mexico, to reflect the automatic contraction of the West Bisti Lower Gallup Sand Unit.

Gulf purchased the interest of British-American and currently has a Designation of Successor Operator from all committed working interest owners except Anadarko.

After checking with the parties, Gulf has prepared Revised Exhibits, with eight copies being enclosed for the U. S. Geological Survey, three copies being enclosed for the Commissioner of Public Lands, and one copy for the Oil Conservation Commission.

It is our understanding that U.S.G.S. will retain four copies and return any surplus items to this office.

Yours very truly,



H. A. Rankin

Enclosures
CW:sx



R14W R13W

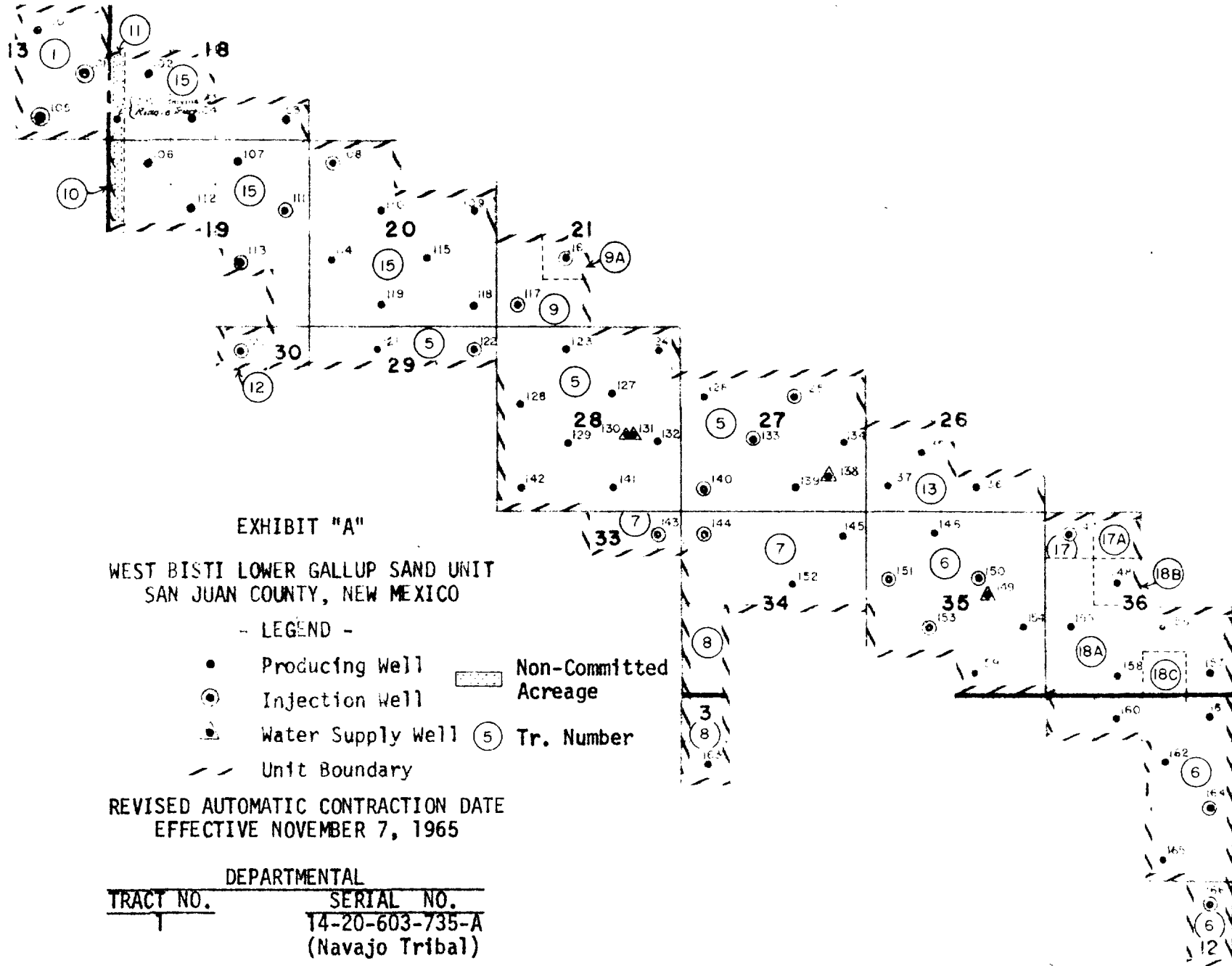


EXHIBIT "A"

WEST BISTI LOWER GALLUP SAND UNIT
SAN JUAN COUNTY, NEW MEXICO

- LEGEND -

- Producing Well
- ⊙ Injection Well
- ⊙ Water Supply Well
- Unit Boundary
- Non-Committed Acreage
- ⑤ Tr. Number

REVISED AUTOMATIC CONTRACTION DATE
EFFECTIVE NOVEMBER 7, 1965

DEPARTMENTAL

TRACT NO.	SERIAL NO.
1	14-20-603-735-A (Navajo Tribal)

FEDERAL

TRACT NO.	SERIAL NUMBER
5	SF-078091
6	SF-078155
7	SF-078156
8	SF-078156-A
9	SF-078932
9-A	SF-078932-A
10	SF-080236 *
11	SF-080236-B*
12	SF-080402
13	SF-081028-A
15	NM-013492

* Non-Committed Tracts

STATE

TRACT NO.	SERIAL NUMBER
17	E-4501-8
17-A	E-4501-8
18-A	E-9707
18-B	E-4500-3
18-C	E-3148-6

	DEPARTMENTAL	240.00 ACRES	4.45952%
	FEDERAL	4,661.74 ACRES	86.62142%
	STATE	480.00 ACRES	8.91906%
		5,381.74 ACRES	100.00000%

REVISED EXHIBIT "B"

**SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP
OF ALL LANDS WITHIN THE WEST BISTI LOWER GALLUP SAND UNIT
TOWNSHIPS 25 AND 26 NORTH, RANGES 13 AND 14 WEST, SAN JUAN COUNTY, NEW MEXICO**

AS OF AUTOMATIC CONTRACTION DATE

TRACT NUMBER	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE
1	T. 26 N. - R. 14 W. Sec. 13: S/2 NE/4, SE/4	240.00	Tribal No. 14-20-603-735-A 11-10-54 H.B.P.	The Navajo Tribe of Indians 12.5%	Gulf Oil Corporation	None	Gulf Oil Corporation - 100% #
One Tract of Navajo Tribal Land Containing 240.00 Acres, or 4.45952% of the Unit Area.							
5	T. 26 N. - R. 13 W. Sec. 27: S/2 N/2, S/2 Sec. 28: All Sec. 29: N/2 N/2	1,280.00	SF-078091 2-1-48 H.B.P.	U.S.A. 12.5%	Gulf Oil Corporation	Brookhaven Oil Co. 0.50% J.V.Fritts 0.50%	Gulf Oil Corporation - 100% #
6	T. 26 N. - R. 13 W. Sec. 35: N/2, SE/4, N/2 SW/4	1,039.72	SF-078155 2-1-48 H.B.P.	U.S.A. 12.5%	Gulf Oil Corporation	N.B.Marye 0.25% N.C.Ginther 0.25% W.L.Ginther 0.25% H.C.Warren 0.25%	Gulf Oil Corporation - 100% #
7	T. 25 N. - R. 13 W. Sec. 1: Lots 1,2,3 & 4, S/2 NE/4, SE/4 Sec. 12: E/2 NE/4	400.00	SF-078156 2-1-48 H.B.P.	U.S.A. 12.5%	Gulf Oil Corporation	H.J.Salge 0.25% N.C.Ginther 0.25% W.L.Ginther 0.25% H.C.Warren 0.25%	Gulf Oil Corporation - 100% #
8	T. 26 N. - R. 13 W. Sec. 34: W/2 SW/4 T. 25 N. - R. 13 W. Sec. 3: Lot 4, SW/4 NW/4	159.78	SF-078156-A 2-1-48 H.B.P.	U.S.A. 12.5%	Gulf Oil Corporation	H.J.Salge 0.25% N.C.Ginther 0.25% W.L.Ginther 0.25% H.C.Warren 0.25%	Gulf Oil Corporation - 100% #
9	T. 26 N. - R. 13 W. Sec. 21: W/2 SW/4, SE/4 SW/4	120.00	SF-078932 2-1-48 H.B.P.	U.S.A. 12.5%	T. Jack Foster	None	T. Jack Foster Benson-Montin-Greer Drilling Corp. 50%
9-A	T. 26 N. - R. 13 W. Sec. 21: NE/4 SW/4	40.00	SF-078932-A 2-1-48 H.B.P.	U.S.A. 12.5%	Benson-Montin-Greer Drilling Corp.	T. Jack Foster 25% of 7/8	Benson-Montin-Greer Drilling Corp. 100%

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP
OF ALL LANDS WITHIN THE WEST BISTI LOWER GALLUP SAND UNIT
TOWNSHIPS 25 AND 26 NORTH, RANGES 13 AND 14 WEST, SAN JUAN COUNTY, NEW MEXICO
AS OF AUTOMATIC CONTRACTION DATE

TRACT NUMBER	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE
10	<u>T. 26 N. - R. 13 W.</u> <u>Sec. 19: Lots 3 & 4</u>	31.45	SF-080236 * 7-1-48 H.B.P.	U.S.A. 12.5%	H.K.Riddle (1/2) and Umbach and Riddle, Co- Trustees of Trust Estate of Hansel King Riddle II (1/2)	Robert V.Katson 2% Umbach and Riddle, Co-Trustees of Trust Estate of Hansel King Riddle II 10.5%	H.K.Riddle Umbach and Riddle, Co-Trs. of Trust Estate of Hansel King Riddle II 50%
11	<u>T. 26 N. - R. 13 W.</u> <u>Sec. 18: Lots 9 & 10</u>	30.79	SF-080236-B * 7-1-48 H.B.P.	U.S.A. 12.5%	Rocanville Corp. (1/2) and Umbach and Riddle, Co-Trustees of Trust Estate of Hansel King Riddle II (1/2)	Robert V.Katson 2% Umbach and Riddle Co-Trustees of Trust Estate of Hansel King Riddle II 10.5%	Rocanville Corporation 50% Umbach and Riddle, Co-Trs. of Trust Estate of Hansel King Riddle II 50%
12	<u>T. 26 N. - R. 13 W.</u> <u>Sec. 30: N/2 NE/4</u>	80.00	SF-080402 4-1-51 H.B.P.	U.S.A. 12.5%	Elliott Oil, Inc.	Bob Bear 1.000% Schlumberger Well Surveying Corp. 5.666% Big Horn Construc- tion 1.000%	Elliott Oil, Inc. 63.00% Howard Hall 10.00% East Side Service 5.00% Rodney P.Calvin 11.00% Natalie Bergman 2.50% Harry Doebla 5.00% A.H.Thiele 1.00% Ruth Sorensen 2.50%
13	<u>T. 26 N. - R. 13 W.</u> <u>Sec. 26: SW/4, S/2 SE/4</u>	240.00	SF-081028-A 3-1-51 H.B.P.	U.S.A. 12.5%	E1 Paso Products Co. (1/2), John F.Sullivan (1/16), Shiprock Indus- tries, Inc. (3/8), and Edward Arcaro (1/16)	Olen F.Featherstone Ernest A.Hanson Dixie D.Flood & Roy L.Flood, jointly Edward D.McCoy Lucille O.Quigley	E1 Paso Products Co. 50.00% John F.Sullivan 6.25% Edward Arcaro 6.25% Shiprock Industries, Inc. 37.50%

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP
OF ALL LANDS WITHIN THE WEST BISTI LOWER GALLUP SAND UNIT
TOWNSHIPS 25 AND 26 NORTH, RANGES 13 AND 14 WEST, SAN JUAN COUNTY, NEW MEXICO
AS OF AUTOMATIC CONTRACTION DATE

TRACT NUMBER	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE
15	T. 26 N. - R. 13 W.						
	Sec. 18: Lots 7, 8, 11 & 12, S/2 SE/4						
	Sec. 19: Lots 1, 2, 5 & 6, NE/4, N/2						
	Sec. 20: S/2, S/2 NE/4, NW/4	1,240.00	NM-013492 4-1-54 H.B.P.	U.S.A. 12.5%	Skelly Oil Company	A.L.Duff J.V.Fritts 1.50%	Skelly Oil Company 100%
Eleven Tracts of Federal Land Containing 4,661.74 Acres, or 86.62142% of the Unit Area.							
17	T. 26 N. - R. 13 W.		E-4501-8	State of New	Pan American Petro-	Charles B.Gonsales	Pan American Petroleum Corp.
	Sec. 36: NW/4 NW/4	40.00	10-24-50 H.B.P.	Mexico 12.5%	leum Corporation	& Betty Gonsales 3.125%	100%
17-A	T. 26 N. - R. 13 W.		E-4501-8	State of New	Pan American Petro-	Charles B. Gonsales	Pan American Petroleum Corp.
	Sec. 36: NE/4 NW/4	40.00	10-24-50 H.B.P.	Mexico 12.5%	leum Corporation	& Betty Gonsales 4.000%	100%
18-A	T. 26 N. - R. 13 W.				Phillips Petroleum		Phillips Petroleum Company
	Sec. 36: SW/4 NW/4, SW/4, E/2 SE/4, NW/4	320.00	E-9707 1-17-56 H.B.P.	State of New	Anadarko Production		Anadarko Production Company
18-B	T. 26 N. - R. 13 W.		E-4500-3	State of New	EI Paso Products Co.		EI Paso Products Company
	Sec. 36: SE/4 NW/4 (Hospah Unit)**	40.00	10-24-50 H.B.P.	Mexico 12.5%	Brookhaven Oil Co.	None	Brookhaven Oil Company 50%
18-C	T. 26 N. - R. 13 W.		E-3148-6	State of New	EI Paso Products		EI Paso Products Company
	Sec. 36: SW/4 SE/4 (Hospah Unit)**	40.00	12-10-49 H.B.P.	Mexico 12.5%	Company	John Burroughs 5%	50%
Five Tracts of State Land Containing 480.00 Acres, or 8.91906% of the Unit Area.							
RECAPITULATION							
		Navajo Tribal Lands	240.00 Acres	4.45952% of Unit Area			
		Federal Lands	4,661.74 Acres	86.62142% of Unit Area			
		State Lands	480.00 Acres	8.91906% of Unit Area			
			5,381.74 Acres	100.00000% of Unit Area			

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP
OF ALL LANDS WITHIN THE WEST BISTI LOWER GALLUP SAND UNIT
TOWNSHIPS 25 AND 26 NORTH, RANGES 13 AND 14 WEST, SAN JUAN COUNTY, NEW MEXICO

AS OF AUTOMATIC CONTRACTION DATE
(Effective Nov. 7, 1965)

TRACT NUMBER	DESCRIPTION	SERIAL NO. & NO. OF		DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE		LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE		WORKING INTEREST &
		ACRES								

FOOTNOTES: # On the Automatic Contraction date on August 2, 1965, Tracts No. 1, 5, 6, 7 and 8 were owned by The British-American Oil Producing Company. By Assignment dated July 28, 1966, Gulf Oil Corporation has acquired the interest, and Gulf is shown as owner for the convenience of all concerned.

* Uncommitted Tracts 10 and 11.

** Tracts 18-A, 18-B and 18-C are part of the original Hospah Unit, formed by Operating Agreement signed August 21, 1957, owned as follows:

Anadarko Production Company	41.66667%
Brookhaven Oil Company	4.16667%
EI Paso Products Company	12.49999%
Phillips Petroleum Company	41.66667%
(Note: 5% override in Tract 18-C amounts to 0.4166665% override on a communitized basis.)	

Gulf Oil Corporation

LAW DEPARTMENT

1866

Booth Kellough
DIVISIONAL ATTORNEY
MIDLAND, TEXAS
ATTORNEY, ROSWELL
William V. Kastler

February 14, 1967

P. O. Box 1938
Roswell, N. M. 88201

Commissioner of Public Lands
for the State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Attention: Mrs. Marian M. Rhea, Supervisor
Unit Division

Re: West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico
(Successor Unit Operator)

Dear Sir:

We have just succeeded in getting the last Working Interest Owner's execution on our Designation of Successor Unit Operator in the West Bisti Lower Gallup Sand Unit. As you will note the designation is conditional upon the approval by the Director of the United States Geological Survey and Commissioner of Public Lands for the State of New Mexico.

Accordingly, I now enclose one pen and ink copy and one reproduced photocopy of the following instruments:

- (1) Resignation of Unit Operator executed by The British-American Oil Producing Company.
- (2) Designation of Successor Unit Operator executed by Gulf Oil Corporation.
- (3) Designation of Successor Unit Operator executed by Anadarko Production Company.
- (4) Designation of Successor Unit Operator executed by Benson-Montin-Greer Drilling Corporation.
- (5) Designation of Successor Unit Operator executed by Brookhaven Oil Company.
- (6) Designation of Successor Unit Operator executed by Elliott Oil, Inc.

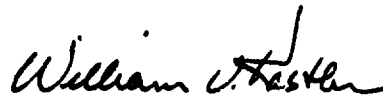


Commissioner of Public Lands
for the State of New Mexico
Attn: Mrs. Marian M. Rhea
February 14, 1967
Page 2

- (7) Designation of Successor Unit Operator executed by El Paso Products Company.
- (8) Designation of Successor Unit Operator executed by T. J. Foster.
- (9) Designation of Successor Unit Operator executed by Pan American Petroleum Corporation.
- (10) Designation of Successor Unit Operator executed by Phillips Petroleum Company.
- (11) Designation of Successor Unit Operator executed by Skelly Oil Company.

I would appreciate obtaining the Commissioner's approval of Gulf Oil Corporation as the Successor Unit Operator conditional upon our obtaining the same approval from the Director of the United States Geological Survey.

Very truly yours,


William V. Kastler

WVK:ejl

Enclosures

cc: Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
P. O. Box 1857
Roswell, New Mexico 88201

 New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

DESIGNATION OF SUCCESSOR UNIT OPERATOR
WEST BISTI LOWER GALLUP SAND UNIT
SAN JUAN COUNTY, NEW MEXICO

THIS AGREEMENT dated as of the 21 day of October, 1966, by and between GULF OIL CORPORATION, a Pennsylvania corporation, whose address is P. O. Box 1938, Roswell, New Mexico, 88201, hereinafter referred to as "Gulf", and the owners of unitized working interests in the West Bisti Lower Gallup Sand Unit Area, hereinafter referred to as "Working Interest Owners":

W I T N E S S E T H :

WHEREAS, heretofore on June 17, 1960 the Director of the United States Geological Survey heretofore approved the West Bisti Lower Gallup Sand Unit, which Unit Agreement, among other things, designated The British-American Oil Producing Company as Unit Operator; and

WHEREAS, said The British-American Oil Producing Company has resigned as said Unit Operator, to be effective the first day of the month following the date of approval of this Designation by the Director of the Geological Survey and the Commissioner of Public Lands for the State of New Mexico; and

WHEREAS, The British-American Oil Producing Company has assigned all its interests of whatsoever nature in said West Bisti Lower Gallup Sand Unit, including but not limited to its unitized working interest and all its interests in leases committed to said unit, to Gulf Oil Corporation; and

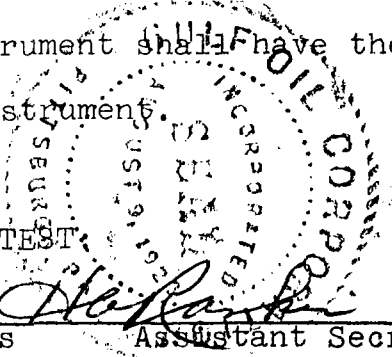
WHEREAS, the undersigned Working Interest Owners desire to designate Gulf Oil Corporation as the Successor Unit Operator effective on the first day of the month following the approval by the Director of the Geological Survey and the Commissioner of Public Lands for the State of New Mexico; and

WHEREAS, Gulf Oil Corporation desires to assume all the rights, duties and obligations of the Unit Operator of said Unit Area pursuant

to the terms of said Unit Agreement from and after the date of approval by the Director of the Geological Survey and the Commissioner of Public Lands of the State of New Mexico;

NOW, THEREFORE, in consideration of the premises Gulf Oil Corporation hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to the terms of the West Bisti Lower Gallup Sand Unit Agreement, and the undersigned Working Interest Owners, comprising 65% or more of the entire committed working interests, covenant and agree that effective on the first day of the month following the approval of this Designation by the Director of the Geological Survey and the Commissioner of Public Lands for the State of New Mexico that Gulf Oil Corporation shall be granted the exclusive right and privilege of exercising any and all rights as said Unit Operator pursuant to the terms and conditions of said Unit Agreement as well as the Unit Operating Agreement. Both of said agreements are hereby incorporated by reference and made a part hereof the same as though fully set forth in this instrument.

IN WITNESS WHEREOF this instrument is executed by the parties hereto. It is expressly understood and agreed that any Working Interest Owner may become a party to this instrument by signing the original of this instrument or a counterpart thereof and the signing of any such instrument shall have the same effect as if all parties had signed the same instrument.

ATTEST: 
Its Assistant Secretary

GULF OIL CORPORATION

By [Signature]
Its Attorney-in-Fact

Form Approved
Law Dept. [Signature]

ANADARKO PRODUCTION COMPANY

ATTEST:

Its By _____
Its

BENSON-MONTIN-GREER DRILLING CORPORATION

ATTEST:

Its By _____
Its

BROOKHAVEN OIL COMPANY

ATTEST:

By _____

ELLIOTT OIL, INC.

ATTEST:

Its

By _____
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By _____
Its

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By _____
Its

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its

By _____
Its

SKELLY OIL COMPANY

ATTEST:

Its

By _____
Its

THE STATE OF NEW MEXICO

¶

COUNTY OF CHAVES

¶

The foregoing instrument was acknowledged before me this 21st day of October, 1966, by E. O. MORTLOCK,
In Fact _____ of GULF OIL CORPORATION,
a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Loa Marie Cooper
Notary Public

THE STATE OF _____

¶

COUNTY OF _____

¶

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

My Commission Expires: _____

Notary Public

to the terms of said Unit Agreement from and after the date of approval by the Director of the Geological Survey and the Commissioner of Public Lands of the State of New Mexico;

NOW, THEREFORE, in consideration of the premises Gulf Oil Corporation hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to the terms of the West Bisti Lower Gallup Sand Unit Agreement, and the undersigned Working Interest Owners, comprising 65% or more of the entire committed working interests, covenant and agree that effective on the first day of the month following the approval of this Designation by the Director of the Geological Survey and the Commissioner of Public Lands for the State of New Mexico that Gulf Oil Corporation shall be granted the exclusive right and privilege of exercising any and all rights as said Unit Operator pursuant to the terms and conditions of said Unit Agreement as well as the Unit Operating Agreement. Both of said agreements are hereby incorporated by reference and made a part hereof the same as though fully set forth in this instrument.

IN WITNESS WHEREOF this instrument is executed by the parties hereto. It is expressly understood and agreed that any Working Interest Owner may become a party to this instrument by signing the original of this instrument or a counterpart thereof and the signing of any such instrument shall have the same effect as if all parties had signed the same instrument.

GULF OIL CORPORATION

ATTEST:

Its

Assistant Secretary

By

Its

Attorney-in-Fact

Law Dep. *WIK*

ANADARKO PRODUCTION COMPANY

ATTEST:

Its

Asst. Sec.

By

Its

President

BENSON-MONTIN-GREER DRILLING CORPORATION

ATTEST:

Its

By

Its

BROOKHAVEN OIL COMPANY

ATTEST:

Its

By

Its

ELLIOTT OIL, INC.

ATTEST:

Its

By
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By
Its

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By
Its

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its

By
Its

SKELLY OIL COMPANY

ATTEST:

Its

By
Its

THE STATE OF NEW YORK

COUNTY OF HAVES

The foregoing instrument was acknowledged before me this 21st day of October, 1966, by E. O. MORLOCK,
Attorney In Fact of SKELLY OIL CORPORATION,
a corporation, on behalf of said corporation.

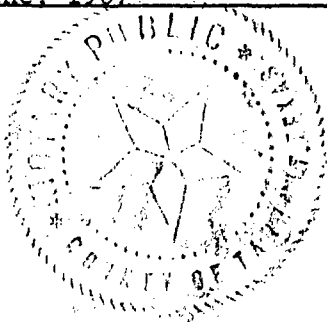
My Commission Expires:
My Commission Expires August 15, 1970

THE STATE OF Texas

COUNTY OF Tarrant

The foregoing instrument was acknowledged before me this 8th day of
February, 1967, by James W. Vater, Jr.

My Commission Expires:
June, 1967



to the terms of said Unit Agreement from and after the date of approval by the Director of the Geological Survey and the Commissioner of Public Lands of the State of New Mexico;

NOW, THEREFORE, in consideration of the premises Gulf Oil Corporation hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to the terms of the West Bisti Lower Gallup Sand Unit Agreement, and the undersigned Working Interest Owners, comprising 65% or more of the entire committed working interests, covenant and agree that effective on the first day of the month following the approval of this Designation by the Director of the Geological Survey and the Commissioner of Public Lands for the State of New Mexico that Gulf Oil Corporation shall be granted the exclusive right and privilege of exercising any and all rights as said Unit Operator pursuant to the terms and conditions of said Unit Agreement as well as the Unit Operating Agreement. Both of said agreements are hereby incorporated by reference and made a part hereof the same as though fully set forth in this instrument.

IN WITNESS WHEREOF this instrument is executed by the parties hereto. It is expressly understood and agreed that any Working Interest Owner may become a party to this instrument by signing the original of this instrument or a counterpart thereof and the signing of any such instrument shall have the same effect as if all parties had signed the same instrument.

ATTEST:


Its Assistant Secretary

GULF OIL CORPORATION

By Attorney-in-Fact

Form Approved
Low Dept.

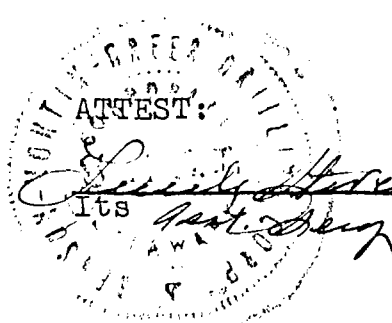
ANADARKO PRODUCTION COMPANY

ATTEST:

Its _____ By _____ Its _____

BENSON-MONTIN-GREER DRILLING CORPORATION

ATTEST:


Its President

By President

BROOKHAVEN OIL COMPANY

ATTEST:

Its _____ By _____ Its _____

ELLIOTT OIL, INC.

ATTEST:

Its _____

By _____
Its _____

EL PASO PRODUCTS COMPANY

ATTEST:

Its _____

By _____
Its _____

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its _____

By _____
Its _____

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its _____

By _____
Its _____

SKELLY OIL COMPANY

ATTEST:

Its _____

By _____
Its _____

THE STATE OF NEW MEXICO

Y

COUNTY OF CHAVES

Y

The foregoing instrument was acknowledged before me this 21st day of October, 1966, by E. O. MORTLOCK,
a PENNSYLVANIA corporation, on behalf of said corporation.

My Commission Expires: August 15, 1970

Eva Marie Cooper
Notary Public

THE STATE OF Okla.

Y

COUNTY OF Okla.

Y

The foregoing instrument was acknowledged before me this 1st day of January, 1966, by Jack Rendon, Jr.,
President of Rendon - Martin - Reed Building Corp.

My Commission Expires: Feb. 18, 1967

Wm. H. Hunt
Notary Public

to the terms of said Unit Agreement from and after the date of approval by the Director of the Geological Survey and the Commissioner of Public Lands of the State of New Mexico;

NOW, THEREFORE, in consideration of the premises Gulf Oil Corporation hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to the terms of the West Bisti Lower Gallup Sand Unit Agreement, and the undersigned Working Interest Owners, comprising 65% or more of the entire committed working interests, covenant and agree that effective on the first day of the month following the approval of this Designation by the Director of the Geological Survey and the Commissioner of Public Lands for the State of New Mexico that Gulf Oil Corporation shall be granted the exclusive right and privilege of exercising any and all rights as said Unit Operator pursuant to the terms and conditions of said Unit Agreement as well as the Unit Operating Agreement. Both of said agreements are hereby incorporated by reference and made a part hereof the same as though fully set forth in this instrument.

IN WITNESS WHEREOF this instrument is executed by the parties hereto. It is expressly understood and agreed that any Working Interest Owner may become a party to this instrument by signing the original of this instrument or a counterpart thereof and the signing of any such instrument shall have the same effect as if all parties had signed the same instrument.

GULF OIL CORPORATION

ATTEST:

Its _____ Assistant Secretary By Its _____ Attorney-in-Fact

ANADARKO PRODUCTION COMPANY

ATTEST:

Its _____ By Its _____

BENSON-MONTIN-GREER DRILLING CORPORATION

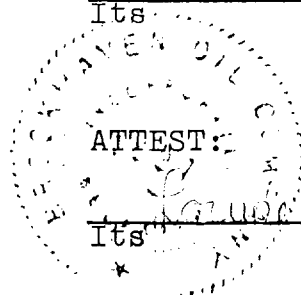
ATTEST:

Its _____ By Its _____

BROOKHAVEN OIL COMPANY

ATTEST:

Its _____ *James A. Scott* By *Miss B. Scott* Its _____
-2- President



ELLIOTT OIL, INC.

ATTEST:

Its

By _____
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By _____
Its

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By _____
Its

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its

By _____
Its

SKELLY OIL COMPANY

ATTEST:

Its

By _____
Its

THE STATE OF ARIZONA

COUNTY OF MARICOPA

The foregoing instrument was acknowledged before me this 24th day of October, 1966, by Thos. B. Scott, Jr., President of Brookhaven Oil Corporation, a Delaware corporation, on behalf of said corporation.

My Commission Expires:

MY COMMISSION EXPIRES NOV. 18, 1966

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

Notary Public

My Commission Expires:

ELLIOTT OIL, INC.

By [Signature]
Its President

EL PASO PRODUCTS COMPANY

By _____
Its _____

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its _____

By _____
Its _____

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its _____

By _____
Its _____

SKELLY OIL COMPANY

ATTEST:

Its _____

By _____
Its _____

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Notary Public

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

My Commission Expires: _____

Notary Public

ELLIOTT OIL, INC.

ATTEST:

Its

By _____
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By Roland F. Hamblin
Its
Attorney-In-Fact

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By _____
Its

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its

By _____
Its

SKELLY OIL COMPANY

ATTEST:

Its

By _____
Its

THE STATE OF Texas

COUNTY OF El Paso

The foregoing instrument was acknowledged before me this 24th day of April, 1966, by Roland F. Hamblin, Attorney-In-Fact of El Paso Products Company, a corporation, on behalf of said corporation.

My Commission Expires: June 1st 1967

Wynell Smith
Notary Public

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

Notary Public

My Commission Expires: _____

ELLIOTT OIL, INC.

ATTEST:

Its _____

By _____

Its _____

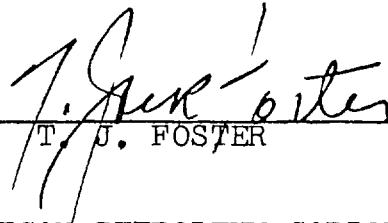
EL PASO PRODUCTS COMPANY

ATTEST:

Its _____

By _____

Its _____


T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its _____

By _____

Its _____

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its _____

By _____

Its _____

SKELLY OIL COMPANY

ATTEST:

Its _____

By _____

Its _____

THE STATE OF California

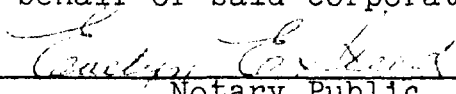
§

COUNTY OF SAN DIEGO

§

The foregoing instrument was acknowledged before me this 18th day of August, 1966, by T. J. Foster of Pan American Petroleum Corporation, a California corporation, on behalf of said corporation.

My Commission Expires: August 27, 1967


Notary Public

THE STATE OF _____

§

COUNTY OF _____

§

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

Notary Public

My Commission Expires: _____

ELLIOTT OIL, INC.

ATTEST:

Its

By _____
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By _____
Its

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By H. T. Hunter
Its Its Attorney in Fact

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its

By _____
Its

SKELLY OIL COMPANY

ATTEST:

Its

By _____
Its

THE STATE OF COLORADO

COUNTY OF DENVER

The foregoing instrument was acknowledged before me this 14 day of NOVEMBER, 1966, by H. T. Hunter,
Its Attorney in Fact of PAN AMERICAN PETROLEUM CORPORATION,
a DELAWARE corporation, on behalf of said corporation.

My Commission Expires:

July 20, 1970

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

Notary Public

My Commission Expires:

ELLIOTT OIL, INC.

ATTEST:

Its

By _____
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By _____
Its

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By _____
Its

PHILLIPS PETROLEUM COMPANY

ATTEST:

 H. D. Brookby
Its ASST. SECRETARY

By H. D. Brookby
Its VICE PRESIDENT
SKELLY OIL COMPANY

ATTEST:

Its

By _____
Its

THE STATE OF Oklahoma

COUNTY OF Washington

The foregoing instrument was acknowledged before me this 3rd day of November, 1966, by H. D. BROOKBY, VICE PRESIDENT of Phillips Petroleum Company, corporation, on behalf of said corporation.

My Commission Expires: 11/11/70

Russell J. McLean
Notary Public

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

Notary Public

My Commission Expires: _____

ELLIOTT OIL, INC.

ATTEST:

Its

By _____
Its

EL PASO PRODUCTS COMPANY

ATTEST:

Its

By _____
Its

T. J. FOSTER

PAN AMERICAN PETROLEUM CORPORATION

ATTEST:

Its

By _____
Its

PHILLIPS PETROLEUM COMPANY

ATTEST:

Its

By _____
Its

SKELLY OIL COMPANY

ATTEST:

 R. Kendall Thern
Its ASSISTANT SECRETARY

Adm
By C. L. Blacksher
Its VICE PRESIDENT

Approved as to
Form

THE STATE OF Oklahoma

COUNTY OF Tulsa

The foregoing instrument was acknowledged before me this 8th day of November, 1966, by C. L. Blacksher, Vice President of Skelly Oil Company, a corporation, on behalf of said corporation.

My Commission Expires:
My Commission Expires May 31, 1967

Doris L. Allen
Notary Public

THE STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1966, by _____.

Notary Public

My Commission Expires:

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

1866

July 21, 1966

C
O
P
Y

The British-American Oil Producing Co.
P. O. Box 180
Denver, Colorado 80201

Attention: Mr. Thomas M. Hogan

Re: West Bisti Lower Gallup Sand Unit
Elimination of Certain Lands from
Unit Agreement

Gentlemen:

The notice to your partners of the automatic elimination of certain lands from the West Bisti Lower Gallup Sand Unit Agreement is dated February 7, 1966, and was received at this office February 11, 1966. The schedule of acreage eliminated, which accompanied said letter, correctly describes the unitized lands not included in the participating area as of January 1, 1962.

Please forward copies of letters showing concurrence by the United States Geological Survey and Commissioner of Public Lands so that the Commission files will be complete.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEX/og
cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Roswell, New Mexico

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING
DENVER, COLORADO

PRODUCTION & ENGINEERING DEPT.

May 27, 1966

MAIN OFFICE 000
MAY 31 1966 8 24

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180
DENVER, COLORADO, 80201

New Mexico Oil & Gas Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr.
Secretary - Director

Attn: Mr. Guyton B. Hays
Commissioner

Re: West Bisti Lower Gallup Sand Unit
Automatic Elimination of Certain
Lands From Unit Agreement

Gentlemen:

Reference is made to our letter of February 27, 1966 (complete with attachments), notifying all partners in interest of the automatic elimination of certain lands from the West Bisti Lower Gallup Sand Unit Agreement.

We have received a letter from the United States Department of Interior, Geological Survey, advising that our notice correctly described the lands automatically eliminated, but that we should also have concurrence by the Commissioner of Public Lands of the State of New Mexico and the New Mexico Oil Conservation Commission. Would you, therefore, please advise if our February 27 notice is satisfactory insofar as the requirements of your department are concerned.

As a matter of information, revised Exhibits A and B to the unit agreement are being prepared and will be furnished shortly to reflect the changed unit area, etc.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

C. M. Hargreaves

for Thomas M. Hogan
District Superintendent

AHH:cl

Letter of concurrence dated July 21, 1966
JH

18

~~THE BRITISH-AMERICAN OIL PRODUCING COMPANY~~

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

February 7, 1966

FEB 11 AM 8:08

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

(See Addressees List Attached)

Re: West Bisti Lower Gallup Sand Unit
Automatic Elimination of Certain Lands
From Unit Agreement

Gentlemen:

Article 2 (e) of the West Bisti Lower Gallup Sand Unit Agreement provides that all legal subdivisions of unitized lands, no parts of which are entitled to be in a participating area within five years after the first day of the month following the effective date of the unit agreement, shall be eliminated automatically from the unit agreement effective as of the first day thereafter, and such lands shall no longer be a part of the unit agreement and shall no longer be subject to the unit agreement, unless at the expiration of said five year period drilling operations are in progress on unitized lands not entitled to participation in which event all such lands shall remain subject to the agreement for so long as drilling operations are continued with not more than 90 days time elapsing between the completion of one such well and the commencement of the next such well, etc. (For brevity we have not quoted herein the entire content of Article 2 (e) of the unit agreement)

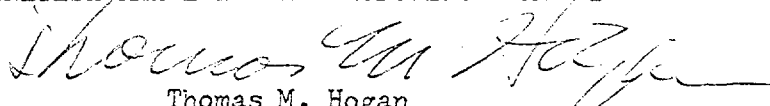
The unit agreement was effective July 1, 1960. The five year period from the first of the month following the effective date of the unit expired on August 1, 1965; however, on this date a well was being drilled on unitized land not then entitled to participation (British-American's Navajo No. 6 well located in the SW NW, Sec. 13-26N-14W, San Juan County, New Mexico) which automatically extended all unitized lands outside of the participating area for so long as drilling operations continued, etc., under the terms of the unit agreement. Subject well was a failure and was subsequently plugged and abandoned. Following a lapse of 90 days after cessation of drilling operations at above mentioned well and during which time no additional drilling operations were commenced on unitized lands outside of the participating area, we were notified that the land on which subject well had been drilled was eliminated from the unit agreement by its own terms. The date of elimination of these lands was November 7, 1965, and accordingly all unitized lands outside of the participating area were automatically eliminated from the unit agreement on that date.

Attached is a schedule of lands eliminated from the unit agreement by tracts, showing total acreage so eliminated. Accordingly, the West Bisti Lower Gallup Sand Unit area and the participating area are now one and the same, being the participating area as approved with the first enlargement of the participating area effective January 1, 1962.

If you do not agree with the foregoing or if you have any questions please contact the undersigned at P. O. Box 180, Denver, Colorado, at your convenience.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY


Thomas M. Hogan
District Superintendent

MAILING LIST

West Bisti

Anadarko Production Company
Mr. E. A. Riley
P. O. Box 9317
Fort Worth, Texas

Benson-Montin-Greer Drlg. Co.
158 Petroleum Center Bldg.
Farmington, New Mexico

Brookhaven Oil Company
P. O. Box 1267
Scottsdale, Arizona

El Paso Natural Gas Products Co.
P. O. Box 3986
Odessa 99, Texas 79760

Elliott Oil Inc.
P. O. Box 5669
Roswell, New Mexico

T. J. Foster
P. O. Box ~~1538~~ 1538 F
San Mateo, California

Pan American Petroleum Corp.
P. O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
Phillips Building
Bartlesville, Oklahoma

Skelly Oil Company
P. O. Box 1650
Tulsa, Oklahoma

The British-American Oil Producing Co.
P. O. Box 330
Farmington, New Mexico

The British-American Oil Producing Co.
P. O. Box 749
Dallas, Texas

ADDRESSEES LIST

United States Dept. of the Interior
Geological Survey
P. O. Drawer 1857
Roswell, New Mexico

Attn: Mr. John A. Anderson
Regional Oil & Gas Supervisor

State of New Mexico
Oil & Gas Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr.
Secretary-Director

Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico

Attn: Mr. Guyton B. Hays
Commissioner

cc: All Working Interest Owners
West Bisti Lower Gallup Sand Unit

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

SCHEDULE OF ACREAGE ELIMINATED FROM
UNIT AREA AND FROM UNIT AGREEMENT
WEST BISTI LOWER GALLUP SAND UNIT
SAN JUAN COUNTY, NEW MEXICO

(UNIT AGREEMENT ARTICLE 2(e))

<u>TRACT NUMBER</u>	<u>DESCRIPTION</u>	<u>NO. OF ACRES</u>	<u>SERIAL NO. & DATE OF LEASE OR APPLICATION</u>
<u>Navajo Tribal Lands</u>			
1	<u>T26N-R14W</u> Sec. 13: NW/4 SW/4 ✓ N/2 NE/4 Sec. 14: All ✓ Sec. 15: NE/4 SE/4 ✓ NW/4	1520.00	14-20-603-735-A 11-10-54
2	<u>T26N-R14W</u> Sec. 24: E/2 NW/4	480.00	14-20-603-742 10-5-54
3	<u>T26N-R14W</u> Sec. 10: S/2 ✓	320.00	14-20-603-2085 12-7-56
4	<u>T26N-R14W</u> Sec. 11: S/2 ✓ Sec. 12: S/2 SE/4 ✓ SW/4	560.00	14-20-603-2189 1-4-57
<u>Total Navajo Tribal Lands 2880.00</u>			
<u>Federal Lands</u>			
5	<u>T26N-R13W</u> Sec. 27: N/2 N/2 ✓ Sec. 29: S/2 S/2 NE/4 ✓ S/2 NW/4	640.00	SF-078091 2-1-48
6	<u>T26N-R13W</u> Sec. 35: S/2 SW/4 ✓ <u>T25N-R13W</u> Sec. 1: S/2 NW/4 ✓ SW/4 Sec. 12: W/2 NE/4 N/2 SE/4 ✓ N/2 NW/4	560.00	SF-078155 2-1-48
7	<u>T26N-R13W</u> Sec. 33: S/2 NE/4 ✓ SE/4 ✓ W/2 Sec. 34: SE/4 ✓ <u>T25N-R13W</u> Sec. 3: NE/4 (Lots 1&2; and S/2 NE/4) ✓ N/2 SE/4 ✓ Sec. 4: NE/4 (Lots 1&2; and S/2 NE/4) N/2 SE/4	1199.05	SF-078156 2-1-48

<u>TRACT NUMBER</u>	<u>DESCRIPTION</u>	<u>NO. OF ACRES</u>	<u>SERIAL NO. & DATE OF LEASE OR APPLICATION</u>
8	<u>T26N-R13W</u> Sec. 34: E/2 SW/4	239.77	SF-078156-A 2-1-48
	<u>T25N-R13W</u> Sec. 3: E/2 NW/4 (Lot 3; and SE/4 NW/4) ↓ N/2 SW/4 ✓		
9	<u>T26N-R13W</u> Sec. 22: S/2 SW/4 ✓	80.00	SF-078932 2-1-48
9-B	<u>T26N-R13W</u> Sec. 21: S/2 NE/4 ✓	80.00	SF-078932 2-1-48
9-C	<u>T26N-R13W</u> Sec. 21: NW/4 ✓ SE/4 ✓ Sec. 22: S/2 SE/4 ✓	400.00	SF-078932 2-1-48
10	<u>T26N-R13W</u> Sec. 19: Lots 9 & 10 ↓	32.03	SF-080236 7-1-48
11	<u>T26N-R13W</u> Sec. 18: Lots 3 & 4 ✓	30.05	SF-080236-A 7-1-48
12	<u>T26N-R13W</u> Sec. 30: Lots 4,5,&6 ✓	96.36	SF-080402 4-1-51
12-A	<u>T26N-R13W</u> Sec. 30: Lots 1,2,3,7,8,&9 SE/4 ✓ S/2 NE/4 ✓	432.73	SF-080402 4-1-51
13	<u>T26N-R13W</u> Sec. 25: S/2 SE/4 ✓ SW/4 ✓ Sec. 26: N/2 SE/4 ✓	320.00	SF-081028-A 3-1-51
14	<u>T26N-R13W</u> Sec. 26: S/2 NE/4 ✓ NW/4 ✓	240.00	SF-081028-C 3-1-51
15	<u>T26N-R13W</u> Sec. 17: S/2 ✓ S/2 NW/4 ✓ Sec. 18: Lots 1,2,5&6 ✓ NE/4 ✓ Sec. 19: N/2 SE/4 ✓ Lots 7,8,11&12 ✓ SW/4 SE/4 ✓ Sec. 20: N/2 NE/4 ✓	1080.00	NM-013492 4-1-54
16	<u>T26N-R13W</u> Sec. 32: NE/4 ✓	160.00	None
<u>Total Federal Lands</u> 5589.99			

<u>TRACT NUMBER</u>	<u>DESCRIPTION</u>	<u>NO. OF ACRES</u>	<u>SERIAL NO. & DATE OF LEASE OR APPLICATION</u>
<u>State of New Mexico Lands</u>			
18-A	<u>T26N-R13W</u> Sec. 36: W/2 NE/4 ✓	80.00	E-9707 1-17-56
19	<u>T26N-R13W</u> Sec. 36: SE/4 NE/4	40.00	E-4498 10-24-50
20	<u>T26N-R13W</u> Sec. 36: NE/4 NE/4 ✓	40.00	B-11419-9 8-19-44
21	<u>T25N-R13W</u> Sec. 2: Lots 1,2&3 S/2 NE/4 ✓ SE/4 NW/4	239.47	E-6597-2 10-7-52
22	<u>T25N-R13W</u> ✓ Sec. 2; Lot 4	39.77	OG-192 9-18-56
23	<u>T25N-R13W</u> ✓ Sec. 2: SW/4 NW/4 ✓	40.00	E-7698-3 1-12-54
<u>Total State of New Mexico Lands</u>		479.24	

SUMMARY

Navajo Tribal Land	2,880.00
Federal Land	5,589.99
State of New Mexico Land	<u>479.24</u>

<u>Total - All Lands</u>	
<u>Eliminated From Unit</u>	
<u>Agreement</u>	8,949.23

THE BRITISH-AMERICAN OIL PRODUCING COMPANY
MAIN OFFICE 000

DENVER CLUB BUILDING

DENVER 1, COLORADO

January 28, 1966

FEB 2 AM 3:05

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

PRODUCTION & ENGINEERING DEPT.

1866

U. S. Department of the Interior
Geological Survey
Drawer 1857
Roswell, New Mexico
Attention: John A. Anderson
Regional Supervisor

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico
Attention: E. S. Johnny Walker
Commissioner

State of New Mexico
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87051
Attention: A. L. Porter, Jr.
Secretary-Director

Re: 1966 Plan of Development and Operation
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

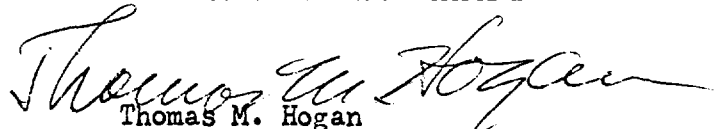
Gentlemen:

Enclosed herewith are reproduced copies of our 1966 Plan of Development and Operation for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico.

As will be noted, this Plan of Development has been approved by United States Geological Survey, the Commissioner of Public Lands for the State of New Mexico and by the Oil Conservation Commission of the State of New Mexico.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY


Thomas M. Hogan
District Superintendent

AHH:mc

Attachments

cc: Working Interest Owners
West Bisti Unit

PLAN OF DEVELOPMENT AND OPERATION FOR 1966

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

British-American drilled and completed the Navajo No. 6 well located SW NW Section 13, T26N, R14W. The well is non-commercial and will be plugged and abandoned. The Unit area contracted to the participation boundary under the terms of the Unit Agreement on November 7, 1965.

Secondary Recovery Summary

Unit wells Numbers 12 and 21 were converted to water injection during the year, 1965.

Producing and Injection Status

Number of Wells (10-31-65)

Drilling	0
Producing	27
Shut-in	16
Water Injection	20
Water Supply	3

Production and Injection First 10 Months, 1965

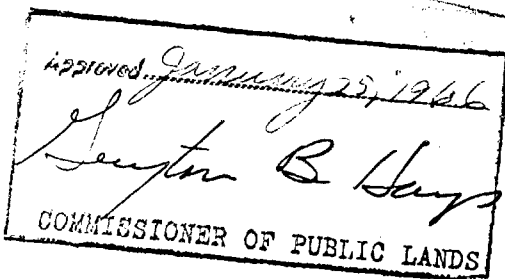
Oil Production - Barrels	432,099
Water Injection - Barrels	3,048,674

Cumulative Production and Injection (10-31-65)

Cumulative Oil Production, Barrels	9,120,893
Cumulative Water Injection, Barrels	21,115,933

Plan of Development for 1966

Drilling of additional producers and injectors is not anticipated and there are no plans for modification of the waterflood program.



PLAN OF DEVELOPMENT AND OPERATION FOR 1966

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

British-American drilled and completed the Navajo No. 6 well located SW NW Section 13, T26N, R14W. The well is non-commercial and will be plugged and abandoned. The Unit area contracted to the participation boundary under the terms of the Unit Agreement on November 7, 1965.

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Cumulative Water Injection, Barrels	21,115,933

Plan of Development for 1966

Drilling of additional producers and injectors is not anticipated and there are no plans for modification of the waterflood program.

Approved JAN 18 1966

[Signature]
Regional Oil And Gas Supervisor
U. S. GEOLOGICAL SURVEY

Subject to like approval by the
appropriate State officials.

PLAN OF DEVELOPMENT AND OPERATION FOR 1966

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

British-American drilled and completed the Navajo No. 6 well located SW NW Section 13, T26N, R14W. The well is non-commercial and will be plugged and abandoned. The Unit area contracted to the participation boundary under the terms of the Unit Agreement on November 7, 1965.

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Cumulative Oil Production, Barrels	9,120,893
Cumulative Water Injection, Barrels	21,115,933

Plan of Development for 1966

Drilling of additional producers and injectors is not anticipated and there are no plans for modification of the waterflood program.

Approved.....1/26.....1966

.....*A. L. Porter Jr.*.....
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

1866

January 26, 1966

C
O
P
Y

The British-American Oil Producing Co.
P. O. Box 180
Denver, Colorado

Attention: Mr. Thomas M. Hogan

Re: 1966 Plan of Development
and Operation, West Bisti
Lower Gallup Sand Unit,
San Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1966 Plan of Development and Operation for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

MAIN OFFICE OCC

JAN 20 PM 1:06

Drawer 1857
Roswell, New Mexico 88201

January 18, 1966

The British American Oil Producing Company
P. O. Box 180
Denver, Colorado

Attention: Mr. Thomas M. Hogan

Gentlemen:

Your 1966 plan of development and operation for the West
Nisti Lower Gallup Sand unit area, San Juan County, New
Mexico, has been approved on this date subject to like
approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,
(ORIG. SEC) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil & Gas Supervisor

cc:

Washington (w/cy of plan)

Farmington (w/cy of plan)

N.M.O.C.C. - Santa Fe (ltr. only)✓

Com. of Pub. Lands - Santa Fe (ltr. only)

~~The British-American Oil Producing Company~~

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

December 22, 1965

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

U. S. Department of the Interior
Geological Survey
Drawer 1857
Roswell, New Mexico
Attention: John A. Anderson
Regional Supervisor

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico
Attention: E. S. Johnny Walker
Commissioner

State of New Mexico
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87051
Attention: A. L. Porter, Jr.
Secretary-Director

Re: 1966 Plan of Development and Operation
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

Enclosed herewith are three copies of our Plan of Development and Operation for 1966 for subject unit. This plan has been approved to date by more than 94% of the working interest ownership in the unit. We shall appreciate very much your returning one approved copy of this proposal to the attention of the undersigned, P. O. Box 180, Denver, Colorado, at your earliest convenience.

Incidentally, we are presently preparing a summary of the lands which have been eliminated from the unit area, under the terms of the unit agreement, and will submit said summary and revised exhibits to you and to all working interest owners in the very near future.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

James H. Stone
for Thomas M. Hogan
District Superintendent

AHH:mc
Encl:

cc: Working Interest Owners
West Bisti Unit

PLAN OF DEVELOPMENT AND OPERATION FOR 1966

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

British-American drilled and completed the Navajo No. 6 well located SW NW Section 13, T26N, R14W. The well is non-commercial and will be plugged and abandoned. The Unit area contracted to the participation boundary under the terms of the Unit Agreement on November 7, 1965.

Secondary Recovery Summary

Unit wells Numbers 12 and 21 were converted to water injection during the year, 1965.

Producing and Injection Status

Number of Wells (10-31-65)

Drilling	0
Producing	27
Shut-in	16
Water Injection	20
Water Supply	3

Production and Injection First 10 Months, 1965

Oil Production - Barrels	432,099
Water Injection - Barrels	3,048,674

Cumulative Production and Injection (10-31-65)

Cumulative Oil Production, Barrels	9,120,893
Cumulative Water Injection, Barrels	21,115,933

Plan of Development for 1966

Drilling of additional producers and injectors is not anticipated and there are no plans for modification of the waterflood program.

Approved.....1/26.....1966

C. L. Porter Jr.
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

7266

~~THE BRITISH-AMERICAN OIL PRODUCING COMPANY~~

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

March 12, 1965

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

U. S. Department of the Interior
Geological Survey
Drawer 1857
Roswell, New Mexico
Attention: John A. Anderson
Regional Supervisor

Commissioner of Public Lands
State of New Mexico
P.O. Box 791
Santa Fe, New Mexico
Attention: E. S. Johnny Walker
Commissioner

State of New Mexico
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87051
Attention: A. L. Porter, Jr.
Secretary-Director

Re: 1965 Plan of Development and Operation
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

Each of you has approved our 1965 Plan of Development and Operation for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico "subject to like approval by each of the other agencies".

For your information and files, therefore, we enclose herewith copies of the Plan of Development, etc. showing that it has been approved by all three of the regulatory agencies.

Thanks very much for your attention to this matter.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Thomas M. Hogan
Thomas M. Hogan
District Superintendent

ANH:fms
Enc.

cc: West Bisti Unit Working Interest Owners
F. A. Norris
N. R. Stone

PLAN OF DEVELOPMENT AND OPERATION FOR 1965

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

100 MAR 15 1965

Development Summary

No development oil wells were drilled in the year 1964 and no changes in the participating area were effected.

Secondary Recovery Summary

No changes in injection pattern were effected during the year 1964. A booster injection pump was installed, permitting the application of higher pressures at injection wells 13, 14, 15 and 17 in the western portion of the field.

Production and Injection Status

Number of Wells (12-31-64)

Drilling	0
Producing	29
Shut-in	16
Water Injection	18
Water Supply	3

Production and Injection during 1964

Oil Production - Barrels	745,653
Water Injection - Barrels	3,580,560

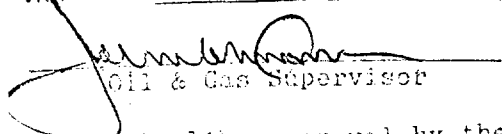
Cumulative Production and Injection (12-31-64)

Cumulative Oil Production	8,666,914
Cumulative Water Injection	18,067,259

Plan of Development for 1965

Drilling of additional producers and injectors is not anticipated and there are no plans for conversion of additional injection wells. Installation of additional high pressure injection equipment may become necessary for use in isolated parts of the reservoir.

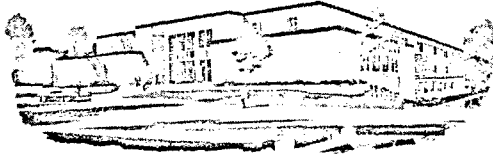
APPROVED FEB 19 1965


Oil & Gas Supervisor

Subject to like approval by the appropriate State officials.

RECEIVED
JAN 21 1965
U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

State of New Mexico



Commissioner of Public Lands



GUYTON B. HAYS
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

February 24, 1965

The British American Oil Producing Company
P. O. Box 180
Denver 1, Colorado

Attention: Mr. Thomas M. Hogan

Re: West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico
1065 Plan of Development

Gentlemen:

The Commissioner of Public Lands approves as of February 24, 1965, your 1965 Plan of Development and Operation for the West Bisti Lower Gallup Sand Unit area, San Juan County, New Mexico, subject to like approval by the United States Geological Survey.

We are returning one approved copy of the plan.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY: *Ted Bilberry*
(Mr.) Ted Bilberry, Director
Oil and Gas Department

GBH/mmr/d

cc: United States Geological Survey
P. O. Box 1857
Roswell, New Mexico
Attention: Mr. John A. Anderson

PLAN OF DEVELOPMENT AND OPERATION FOR 1965

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

No development oil wells were drilled in the year 1964 and no changes in the participating area were effected.

Secondary Recovery Summary

No changes in injection pattern were effected during the year 1964. A booster injection pump was installed permitting the application of higher pressures at injection wells 13, 14, 15 and 17 in the western portion of the field.

Production and Injection Status

Number of Wells (12-31-64)

Drilling	0
Producing	29
Shut-in	16
Water Injection	18
Water Supply	3

Production and Injection during 1964

Oil Production - Barrels	745,653
Water Injection - Barrels	3,580,560

Cumulative Production and Injection (12-31-64)

Cumulative Oil Production	8,666,914
Cumulative Water Injection	18,067,259

Plan of Development for 1965

Drilling of additional producers and injectors is not anticipated and there are no plans for conversion of additional injection wells. Installation of additional high pressure injection equipment may become necessary for use in isolated parts of the reservoir.

Approved February 24, 1965

Leighton B. Hays

COMMISSIONER OF PUBLIC LANDS

STATE LAND OFFICE
SANTA FE, N.M.

JAN 21 9 55 AM '65

RECEIVED

1866

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

March 8, 1965

C
O
P
Y

The British-American Oil Producing Company
P. O. Box 180
Denver 1, Colorado

Attention: Mr. Thomas M. Hogan

Re: 1965 Plan of Development
and Operation, West Bisti-
Lower Gallup Sand Unit,
San Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil
Conservation Commission has this date approved the 1965
Plan of Development and Operation for the West Bisti Lower
Gallup Sand Unit, San Juan County, New Mexico, subject to
like approval by the United States Geological Survey and
the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned
herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/eq

cc: Commissioner of Public Lands - Santa Fe
U. S. Geological Survey - Roswell

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING

DENVER 1, COLORADO

February 9, 1965

PRODUCTION & ENGINEERING DEPT.

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 160

U.S. Department of the Interior
Geological Survey
Drawer 1857
Roswell, New Mexico
Attention: John A. Anderson
Regional Supervisor

Commissioner of Public Lands
State of New Mexico
P.O. Box 791
Santa Fe, New Mexico
Attention: E. S. Johnny Walker
Commissioner

State of New Mexico
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87051
Attention: A. L. Porter, Jr.
Secretary-Director

Re: 1965 Plan of Development and Operation
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

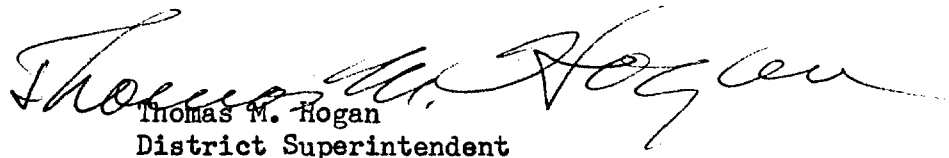
We submitted our 1965 Plan of Development and Operation for the West Bisti Lower Gallup Sand Unit to your office for approval on January 18, 1965.

Although we made no mention of it in our transmittal letter, our Plan of Development and Operation does meet with the approval of the other working interest owners in this unit.

We will appreciate very much receiving your approval of this matter at your earliest convenience.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY


Thomas M. Hogan
District Superintendent

AHH:fms



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

IN REPLY REFER TO:

65 FEB 22 1965

February 19, 1965

The British American Oil Producing Company
P. O. Box 180
Denver 1, Colorado

Attention: Thomas M. Hagan

Gentlemen:

Your 1965 plan of development and operation for the West Bisti Lower Gallup Sand unit area, San Juan County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Enclosure

cc:
Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC, Santa Fe (ltr only) ✓
Com. of Pub. Lands, Santa Fe (ltr only)

~~THE BRITISH-AMERICAN OIL PRODUCING COMPANY~~

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

January 18, 1965

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

U. S. Department of the Interior
Geological Survey
Drawer 1857
Roswell, New Mexico
Attention: John A. Anderson
Regional Supervisor

Commissioner of Public Lands
State of New Mexico
P.O. Box 791
Santa Fe, New Mexico
Attention: E. S. Johnny Walker
Commissioner

✓ State of New Mexico
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87051
Attention: A. L. Porter, Jr.
Secretary-Director

Re: 1965 Plan of Development and Operation
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

Enclosed herewith are three copies of our Plan of Development and Operation for 1965 for subject unit.

We shall appreciate very much your returning one approved copy of this proposal to the attention of the undersigned, P.O. Box 180, Denver, Colorado, at your earliest convenience.

Yours very truly,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Thomas M. Hogan

Thomas M. Hogan
District Superintendent

AHH:fms
Enc.

PLAN OF DEVELOPMENT AND OPERATION FOR 1965

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

65 JAN 21 PM

Development Summary

No development oil wells were drilled in the year 1964 and no changes in the participating area were effected.

Secondary Recovery Summary

No changes in injection pattern were effected during the year 1964. A booster injection pump was installed permitting the application of higher pressures at injection wells 13, 14, 15 and 17 in the western portion of the field.

Production and Injection Status

Number of Wells (12-31-64)

Drilling	0
Producing	29
Shut-in	16
Water Injection	18
Water Supply	3

Production and Injection during 1964

Oil Production - Barrels	745,653
Water Injection - Barrels	3,580,560

Cumulative Production and Injection (12-31-64)

Cumulative Oil Production	8,666,914
Cumulative Water Injection	18,067,259

Plan of Development for 1965

Drilling of additional producers and injectors is not anticipated and there are no plans for conversion of additional injection wells. Installation of additional high pressure injection equipment may become necessary for use in isolated parts of the reservoir.

Approved *Mark J. [Signature]* 1965
L. L. [Signature]
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

THIS APPROVAL GRANTED SUBJECT TO LHC'S APPROVAL
AND TO THE APPROVAL OF THE BOARD OF LAND AND MINES
SURVEY AND TO THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1866

Drawer 1857
Roswell, New Mexico 88201

July 30, 1964

The British-American Oil Producing Company
P. O. Box 180
Denver 1, Colorado

Attention: Mr. Thomas M. Hogan

Gentlemen:

Your 1964 plan of development and operation for the West
Bisti Lower Gallup Sand unit, San Juan County, New Mexico,
has been approved on this date subject to like approval by
the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,

(ORIG. SGD) BILLY J. SHOGER

BILLY J. SHOGER
Acting Oil and Gas Supervisor

cc:

Washington (w/cy of plan)
Farmington (w/cy of plan)
MSDCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

1866

MAIN OFFICE OCC

1964 AUG 5 PM 1:29

August 4, 1964

U. S. Dept. of the Interior
Geological Survey
Drawer 1857
Roswell, New Mexico 88201

State of New Mexico
Commissioner of Public Lands
P. O. Box 791
Santa Fe, New Mexico

✓ State of New Mexico
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Re: 1964 Plan of Development and Operation
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

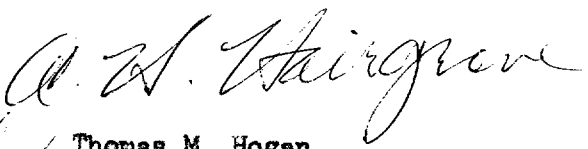
Gentlemen:

Each of you recently approved our 1964 Plan of Development and Operations for subject unit "subject to like approval by the other two governing agencies."

Attached for your files and information are copies of such approvals by the relevant agencies. We sincerely thank each of you for your cooperation in this matter.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

for 
Thomas M. Hogan
District Superintendent

AHH/seh

cc: F. A. Norris
N. R. Stone

Attachments

COPY

PLAN OF DEVELOPMENT AND OPERATION FOR 1964

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

No development oil wells were drilled in the year 1963. However, the participating area was expanded to include the British-American Salge No. 2 well located in the SW NW Section 3-25N-13W. This well is now known as WBU No. 61.

Secondary Recovery Summary

Two former producing wells were converted to injection in order to improve sweep efficiency. These wells were No. 59 located in the SW SE Section 13-26N-14W and No. 60 located in the NW NE Section 30-26N-13W.

Production and Injection Status

Number of Wells (12-31-63)

Drilling	0
Producing	37
Shut-in	8
Water Injection	18
Water Supply	3

Production and Injection during 1963

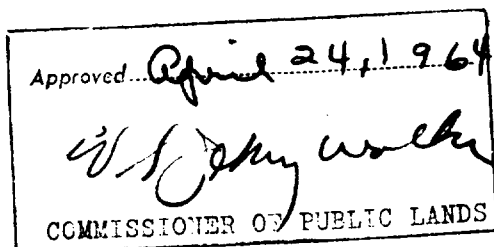
Oil Production - Barrels	1,255,601
Water Injection - Barrels	4,051,398

Cumulative Production and Injection (12-31-63)

Cumulative Oil Production	7,921,261
Cumulative Water Injection	14,486,699

Plan of Development for 1964

Drilling of additional producers and injectors is not anticipated and there are no plans for conversion of additional injection wells. Installation of additional high pressure injection equipment may become necessary for use in isolated parts of the reservoir.



RECEIVED
APR 21 8 09 AM '64
STATE LAND OFFICE
SANTA FE, N.M.

PLAN OF DEVELOPMENT AND OPERATION FOR 1964

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

No development oil wells were drilled in the year 1963. However, the participating area was expanded to include the British-American Salge No. 2 well located in the SW NW Section 3-25N-13W. This well is now known as WBU No. 61.

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Production and Injection Status

Number of Wells (12-31-63)

Drilling
Producing
Shut-in
Water Injection
Water Supply

Production and Injection during 1963

Oil Production - Barrels	1,255,601
Water Injection - Barrels	4,051,398

Cumulative Production and Injection (12-31-63)

Cumulative Oil Production	7,921,261
Cumulative Water Injection	14,486,699

RECEIVED
JUL 30 1964
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Plan of Development for 1964

Drilling of additional producers and injectors is not anticipated and there are no plans for conversion of additional injection wells. Installation of additional high pressure injection equipment may become necessary for use in isolated parts of the reservoir.

APPROVED

JUL 30 1964

Billy J. Shoger
ACTING Oil & Gas Supervisor

Subject to like approval by the
appropriate State officials.

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

1866

June 2, 1964

The British-American Oil Producing Co.
P. O. Box 180
Denver 1, Colorado

Attention: Mr. Thomas M. Hogan

**Re: 1964 Plan of Development
and Operation - West
Bisti Lower Gallup Sand
Unit, San Juan County,
New Mexico**

Gentlemen:

**This is to advise that the New Mexico Oil
Conservation Commission has this date approved the 1964
Plan of Development and Operation for the West Bisti
Lower Gallup Sand Unit, San Juan County, New Mexico,
subject to like approval by the United States Geological
Survey and the Commission of Public Lands of the State
of New Mexico.**

**Two approved copies of the plan are returned
herewith.**

Very truly yours,

**A. L. PORTER, Jr.,
Secretary-Director**

ALP/JEK/cg

**cc: Commissioner of Public Lands - Santa Fe
U. S. Geological Survey - Roswell**

C
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P
Y

MAIN OFFICE 000

1964 MAY 12 PM 3:35

May 12, 1964

The British-American Oil Producing Company
P. O. Box 180
Denver 1, Colorado

Re: West Bisti Lower Gallup
Sand Unit
San Juan County, New Mexico
1964 Plan of Development and
Operation

Attention: Mr. Thomas M. Hogan

Gentlemen:

The Commissioner of Public Lands approves as of April 24, 1964, your 1964 Plan of Development and Operation for the West Bisti Lower Gallup Sand Unit Area, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy of this Plan.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:
(Mrs.) Marian M. Rhea, Supervisor
Unit Division

ESW/mm/v

cc: United States Geological Survey
Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

PLAN OF DEVELOPMENT AND OPERATION FOR 1964

West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Development Summary

No development oil wells were drilled in the year 1963. However, the participating area was expanded to include the British-American Salge No. 2 well located in the SW NW Section 3-25N-13W. This well is now known as WBU No. 61.

Secondary Recovery Summary

Two former producing wells were converted to injection in order to improve sweep efficiency. These wells were No. 59 located in the SW SE Section 13-26N-14W and No. 60 located in the NW NE Section 30-26N-13W.

Production and Injection Status

<u>Number of Wells (12-31-63)</u>	
Drilling	0
Producing	37
Shut-in	8
Water Injection	18
Water Supply	3

Production and Injection during 1963

Oil Production - Barrels	1,255,601
Water Injection - Barrels	4,051,398

Cumulative Production and Injection (12-31-63)

Cumulative Oil Production	7,921,261
Cumulative Water Injection	14,486,699

Plan of Development for 1964

Drilling of additional producers and injectors is not anticipated and there are no plans for conversion of additional injection wells. Installation of additional high pressure injection equipment may become necessary for use in isolated parts of the reservoir.

Approved.....

June 2 1964

H. G. Carter
.....
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

1866

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING

DENVER 1, COLORADO

JUN 13 11 09 AM '63
PRODUCTION & ENGINEERING DEPT.

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

June 24, 1963

State of New Mexico
Commissioner of Public Lands
P. O. Box 791
Santa Fe, New Mexico

Attn: Mrs. Marian M. Rhea, Supervisor
Unit Division

State of New Mexico
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr.
Secretary Director

Re: First Revision to the Participating Area
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

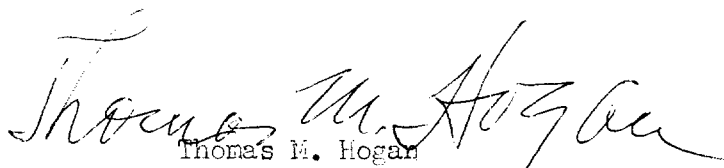
Gentlemen:

Exhibit "C" which accompanied our application of March 5, 1963, for the first revision of the participating area for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico, shows the portion of Tract 1 in the participating area as Navajo Tribal Lease No. 14-20-603-735. It has just come to our attention that a correction to the Navajo Tribal Lease number should be made. The correct lease number is 14-20-603-735-A.

Please make this correction on all copies of Exhibit "C" which you now have in your possession so that all records will be identical.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY


Thomas M. Hogan
District Superintendent

AHH/lk

cc: Fred A. Norris
Nae R. Stone

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

1000 JUN 11 AM 10 10

June 18, 1963

State of New Mexico
Commissioner of Public Lands
P. O. Box 791
Santa Fe, New Mexico

Attn: Mrs. Marian M. Rhea, Supervisor
Unit Division

State of New Mexico
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr.
Secretary Director

Re: First Revision to the Participating Area
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:


Your approval of our application for the first revision to the participating area of West Bisti Lower Gallup Sand Unit was conditioned upon like approval being given by the United States Geological Survey.

This is to advise our application was approved on June 6, 1963, by Mr. Arthur A. Baker, Acting Director of the U. S. Geological Survey, Washington D. C. A reproduced copy of the U.S.G.S. approval and transmittal letter is submitted herewith for your files and information.

Simultaneously, with this final approval, we are renumbering Salge "A" #2 well, located C SW NW 3-25N-13W, the only producing well included in this first revision to the participating area, with a unit well designation of WEU #61. Your records should be noted accordingly as to this well numbering change.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY


Thomas M. Hogan
District Superintendent

AHH/lk

Attachments

COPY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

JUN 11 1963

The British-American Oil Producing Company
Post Office Box 150
Denver 1, Colorado

Gentlemen:

Your application of March 5, 1963, for the first revision, (239.74 acres), of the participating area, (new total 5,351.74 acres), under the West Bisti Lower Gallup Sand unit agreement, San Juan County, New Mexico, No. 14-00-0001-0090, was approved June 6, 1963, by Arthur A. Baker, Acting Director of the Geological Survey, effective as of January 1, 1962.

Enclosed is one duplicate original of the approved application for your records. It is requested that you furnish the State of New Mexico and any other interested principal with whatever evidence of this approval is deemed appropriate.

Sincerely yours,

For the Director

Enclosure

1963 JUN 14 10 10
March 5, 1963

To: The Director
United States Geological Survey

Through: Regional Oil and Gas Supervisor
Roswell, New Mexico

RECEIVED

APR 16 1963

1963 U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Application for Approval of the First
Revision to the Participating Area
West Bisti Lower Gallup Sand Unit
(No. 14-08-0001-6890)
San Juan County, New Mexico

Dear Sir:

The British-American Oil Producing Company, as Unit Operator under that certain Unit Agreement identified in caption approved by the Acting Director on June 17, 1960, respectfully submits for approval of the Director the following described lands to constitute the first revision of the participating area:

Township 26 North-Range 13 West
Section 34: S/2 NW/4 and W/2 SW/4

Township 25 North-Range 13 West
Section 3: SW/4 NW/4 and Lot 4 (NW NW)

containing 239.78 acres and resulting in an enlarged participating area of 5381.74 acres.

In support of this application and made a part hereof, the following are submitted:

Map marked Exhibit "A" showing thereon the boundary of the unit area and the boundaries of the present participating area and the proposed revision thereof.

Schedule marked Exhibit C showing the various lands entitled to participate in the unitized substances produced from the participating area, as first revised, with the percentage of participation of each committed Tract indicated thereon.

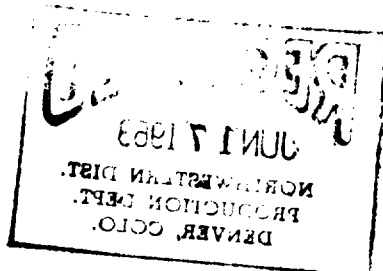
The Director
United States Geological Survey
March 5, 1963
Page No. 2

The Unit Agreement became effective July 1, 1960, with an initial participating area of 5,141.96 acres. On November 6, 1961, the Regional Oil and Gas Supervisor approved commitment of Tract 12 (which was within the participating area but was not effectively committed to the Unit as of July 1, 1960) and Exhibit C of the Unit Agreement was revised accordingly effective November 1, 1961.

Section 11 of the Unit Agreement provides for revision of the initial participating area whenever such action appears proper as a result of further drilling operations or otherwise, and this application is made as a result of information gained subsequent to instituting full scale water injection into the unitized formation on October 2, 1960. British-American's Salge No. 2 well, C 8W NW 3-25N-13W, was producing from the Lower Gallup Sand at the effective date of the Unit, but it was not believed to be completed in the same reservoir as were wells within the initial participating area, therefore acreage on which it was situated was not included in the participating area. However, following commencement of full scale water injection, rapid incline of oil production from this well indicated that it was in communication with participating area wells and that acreage on which it was situated should be added to the participating area. Applicant has submitted to the Regional Oil and Gas Supervisor a Geological and Engineering Report in support of acreage selected to comprise the first revision of the participating area.

Section 11 also provides that the participating area shall be composed of adjoining parcels of land individually containing not in excess of 80 acres consisting of one or more Government survey quarter-quarter sections or lot equivalents, on each of which there is a well capable of producing in paying quantities or which are determined to be essential for Unit operation. The above described land includes the 79.78 acre parcel on which Salge No. 2 is situated and two intervening 80 acre parcels necessary to join it to the initial participating area.

Section 11 further provides that, upon enlargement of the participating area, participation of added Tracts shall be calculated in accordance with the formula set forth in the Unit Agreement which employs two parameters, namely, original stock tank oil in place in the reservoir and oil production during a base period. These parameters remain the same as were established for calculating Tract percentage participations for all Tracts in the initial participating area, and like parameters have been established for acreage to be added by the first revision of the participating area. Percentage participations shown on attached Exhibit C have been calculated in accordance



The Director
United States Geological Survey
March 5, 1963
Page No. 3

with the formula set forth in the Unit Agreement, utilizing these parameters, with the percentage participations of the respective committed Tracts which were participating prior to this revision remaining in the same ratio one to another.

Section 11 of the Unit Agreement also provides that the effective date of any revision of the participating area may be any date justified by the Unit Operator and approved by the Director, Commission and the Commissioner. It is the desire of 99.38% of the Working Interest Owners to make the first revision to the participating area effective January 1, 1962, this being the approximate date on which information became available for selection of the most logical acreage to constitute such revision. Pan American Petroleum Corporation, representing 0.0062 of the Working Interest Ownership, has given no reply to Operator's request to make January 1, 1962, the effective date of the enlargement.

The working interest, royalty interest, and all overriding royalty interests in acreage comprising the first revision to the participating area are committed to the Unit.

We enclose six copies of revised Exhibit C and respectfully request your approval of same, to be effective January 1, 1962. Like approval of the Commissioner and the Commission is simultaneously being requested.

Data for verification of the percentage participations shown on attached Exhibit C have been furnished to the Regional Oil and Gas Supervisor.

Very truly yours,

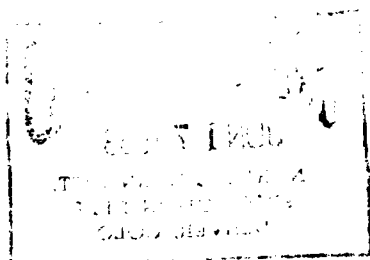
Date Approved..... JUN 6 - 1963


Acting Director, U. S. Geological Survey

THE BRITISH-AMERICAN OIL PRODUCING COMPANY
Unit Operator of West Bisti Lower Gallup Sand Unit

By 
Thomas M. Hogan

TMH:ls
Enc.



THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

1963 APR 8

PM

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

April 8, 1963

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Attention Mr. A. L. Porter, Jr.
Secretary-Director

Re: First Revision to the Participating
Area, West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

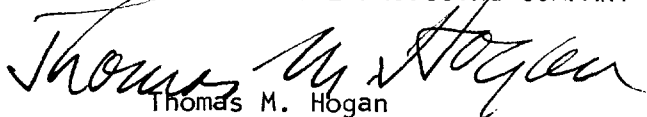
We have received your letter of April 5, 1963, in which you indicated your approval of subject revision.

I have been advised by the United States Geological Survey in Roswell, New Mexico, that the Survey's Washington office requires an executed approval or certificate of approval of the Application for the enlargement of the participating area in the West Bisti Unit. Since we have only your letter as evidence of approval, we respectfully request that a copy of the enclosed application and exhibit be approved, or that a certificate of approval of the foregoing be furnished; and that the executed copy and/or the certificate of approval be returned to this office in Denver.

Your efforts thus far in expediting the enlargement of the Unit are appreciated, but since we are advised that the Washington office of the Survey is adamant in this requirement, we respectfully request your assistance.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY



Thomas M. Hogan
District Superintendent

TMH:ls
Enc.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

April 5, 1963

The British-American Oil Producing Company
P. O. Box 180
Denver 1, Colorado

Attention: Mr. Thomas M. Hogan

Re: First Revision to the
Participating Area West
Bisti Lower Gallup Sand
Unit, San Juan County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the First Revision to the Participating Area for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Roswell, New Mexico

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THE BRITISH-AMERICAN OIL PRODUCING COMPANY

MAIN OFFICE OCC

DENVER CLUB BUILDING

DENVER 1, COLORADO

1963 APR 5 PM 1:19
PRODUCTION & ENGINEERING DEPT.

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

April 3, 1963

Mr. A. L. Porter, Jr., Secretary Director
New Mexico Oil & Gas Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Proposed First Revision of Participating Area
West Bisti Lower Gallup Sand Unit
(Your Designation No. 14-08-0001-6890)
San Juan County, New Mexico

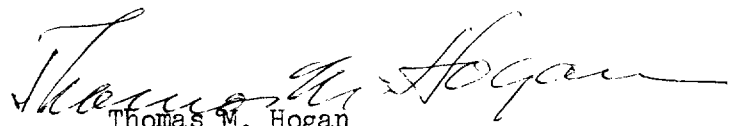
Dear Sir:

A copy of an application for approval of the first revision to the participating area of subject Unit was mailed to you on March 5, 1963.

Inasmuch as we have not yet received Commission approval of our application, we would very much appreciate your advising the current status of this matter.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY


Thomas M. Hogan
District Superintendent

AHH/lk

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

March 5, 1963

Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter

Application for Approval of the First
Revision to the Participating Area
West Bisti Lower Gallup Sand Unit
San Juan County, New Mexico

Gentlemen:

The British-American Oil Producing Company, as Unit Operator under that certain Unit Agreement identified in caption approved by the Commission in Order No. R-1591, respectfully submits for approval of the Commission the following described lands to constitute the first revision of the participating area:

Township 26 North-Range 13 West
Section 34: S/2 NW/4 and W/2 SW/4

Township 25 North-Range 13 West
Section 3: SW/4 NW/4 and Lot 4 (NW NW)

containing 239.78 acres and resulting in an enlarged participating area of 5381.74 acres.

In support of this application and made a part hereof the following are submitted:

Map marked Exhibit "A" showing thereon the boundary of the Unit area and the boundaries of the present participating area and the proposed revision thereof.

Schedule marked Exhibit C showing the various lands entitled to participate in the unitized substances produced from the participating area, as first revised, with the percentage of participation of each committed Tract indicated thereon.

The Unit Agreement became effective July 1, 1960, with an initial participating area of 5,141.96 acres. On October 9, 1961, the Commission approved commitment of Tract 12 (which was within the participating area but was not effectively committed to the Unit as of July 1, 1960) and Exhibit C of the Unit Agreement was revised accordingly effective November 1, 1961.

Section 11 of the Unit Agreement provides for revision of the initial participating area whenever such action appears proper as a result of further drilling operations or otherwise, and this application is made as a result of information gained subsequent to instituting full scale water injection into the unitized formation on October 2, 1960. British-American's Salge No. 2 well, C SW NW 3-25N-13W, was producing from the Lower Gallup Sand at the effective date of the Unit, but it was not believed to be completed in the same reservoir as were wells within the initial participating area, therefore acreage on which it was situated was not included in the participating area. However, following commencement of full scale water injection, rapid incline of oil production from this well indicated that it was in communication with participating area wells and that acreage on which it was situated should be added to the participating area.

Section 11 also provides that the participating area shall be composed of adjoining parcels of land individually containing not in excess of 80 acres consisting of one or more Government survey quarter-quarter sections or lot equivalents, on each of which there is a well capable of producing in paying quantities or which are determined to be essential for unit operation. The above described land includes the 79.78 acre parcel on which Salge No. 2 is situated and two intervening 80 acre parcels necessary to join it to the initial participating area.

Section 11 further provides that, upon enlargement of the participating area, participation of added Tracts shall be calculated in accordance with the formula set forth in the Unit Agreement which employs two parameters, namely, original stock tank oil in place in the reservoir and oil production during a base period. These parameters remain the same as were established for calculating Tract percentage participations for all Tracts in the initial participating area, and like parameters have been established for acreage to be added by the first revision of the participating area. Percentage participations shown on attached Exhibit C have been calculated in accordance with the formula set forth in the Unit Agreement, utilizing these parameters, with the percentage participations of the respective committed Tracts which were participating prior to this revision remaining in the same ratio one to another.

Oil Conservation Commission
March 5, 1963
Page No. 3

Section 11 of the Unit Agreement also provides that the effective date of any revision of the participating area may be any date justified by the Unit Operator and approved by the Director, Commission and the Commissioner. It is the desire of 99.38% of the Working Interest Owners to make the first revision to the participating area effective January 1, 1962, this being the approximate date on which information became available for selection of the most logical acreage to constitute such revision. Pan American Petroleum Corporation, representing 0.0062 of the Working Interest Ownership, has given no reply to Operator's request to make January 1, 1962, the effective date of the enlargement.

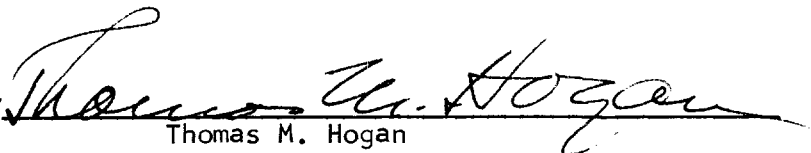
The working interest, royalty interest, and all overriding royalty interests in acreage comprising the first revision to the participating area are committed to the Unit.

We enclose two copies of revised Exhibit C and respectfully request the Commission's approval of same, to be effective January 1, 1962. Like approval of the Director and the Commissioner is simultaneously being requested.

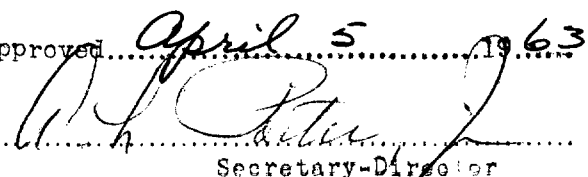
For use in your verification of the participation percentages shown on Exhibit C effective with first enlargement of the participating area, we enclose a copy of our letter of even date, including the Geological and Engineering Report and the tabulation mentioned therein, to the Regional Oil and Gas Supervisor stating how same were calculated.

Yours very truly,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY
Unit Operator of West Bisti Lower Gallup Sand Unit

By 
Thomas M. Hogan

TMH:ls
Enc.

Approved  April 5 1963
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

EXHIBIT C
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION
WEST DISTRICT LOWER GALLUP SAND UNIT
SAN JUAN COUNTY, NEW MEXICO

Effective with First Enlargement of Participating Area

<u>Tract Number</u>	<u>Description</u>	<u>No. of Acres</u>	<u>Serial No. and Date of Lease or Application</u>	<u>Percentage Participation</u>
<u>Navajo Tribal Land</u>				
1	T26N-R14W Sec. 13: S/2 NE/4 SE/4	240.00	14-20-603-735 11-10-54 H. B. P.	3.0841
Total Navajo Tribal Land		240.00		3.0841
<u>Federal Lands</u>				
5	T26N-R13W Sec. 27: S/2 N/2 S/2 Sec. 28: A11 Sec. 29: N/2 N/2	1280.00	SF-078091 4-1-51 H. B. P.	26.2881
6	T26N-R13W Sec. 35: N/2 SE/4 N/2 SW/4 T25N-R13W Sec. 1: Lots 1, 2, 3 & 4 S/2 NE/4 SE/4 Sec. 12: E/2 NE/4	1039.72	SF-078155 2-1-48 H. B. P.	22.4023
7	T26N-R13W Sec. 33: N/2 NE/4 Sec. 34: N/2	400.00	SF-078156 2-1-48 H. B. P.	7.9868
8	T26N-R13W Sec. 34: W/2 SW/4 T25N-R13W Sec. 3: SW/4 NW/4 Lot 4	159.78	SF-078156-A 2-1-48 H. B. P.	1.4818
9	T26N-R13W Sec. 21: W/2 SW/4 SE/4 SW/4	120.00	SF-078932 2-1-48 H. B. P.	2.3023
9-A	T26N-R13W Sec. 21: NE/4 SW/4	40.00	SF-078932 2-1-48 H. B. P.	0.3623
10	T26N-R13W Sec. 19: Lots 3 & 4	31.45	SF-080236 7-1-48	0.0000*
11	T26N-R13W Sec. 18: Lots 9 & 10	30.79	SF-080236-A 7-1-48 H. B. P.	0.0000*
12	T26N-R13W Sec. 30: N/2 NE/4	80.00	SF-080402	0.7865

<u>Tract Number</u>	<u>Description</u>	<u>No. of Acres</u>	<u>Serial No. and Date of Lease or Application</u>	<u>Percentage Participation</u>
<u>Federal Lands (Cont'd)</u>				
13	T26N-R13W Sec. 26: S/2 SE/4 SW/4	240.00	SP-081028-A 3-1-51 H.B.P.	2.7291
15	T26N-R13W Sec. 18: S/2 SE/4 Lots 7, 8, 11 & 12 Sec. 19: NE/4 N/2 SE/4 SE/4 SE/4 Lots 1, 2, 5 & 6 Sec. 20: S/2 NE/4 S/2 NW/4	1240.00	NM-013492 4-1-54 H.B.P.	22.5482
Total Federal Land		4661.74		86.8874
<u>State of New Mexico Land</u>				
17	T26N-R13W Sec. 36: NW/4 NW/4	40.00	E-4501-8 10-24-50 H.B.P.	0.3716
17-A	T26N-R13W Sec. 36: NE/4 NW/4	40.00	E-4501-8 10-24-50 H.B.P.	0.2359
18-A**	T26N-R13W Sec. 36: N/2 SE/4 SE/4 SE/4 SW/4 SW/4 NW/4	320.00	E-9707 1-17-56 H.B.P.	
18-B**	T26N-R13W Sec. 36: SE/4 NW/4	40.00	E-4500-3 10-24-50 H.B.P.	
18-C**	T26N-R13W Sec. 36: SW/4 SE/4	40.00	E-3148-6 12-10-49 H.B.P.	
**Tracts 18-A, 18-B and 18-C represent the total Hoshpah Unit Participation				9.4210
Total State of New Mexico Land		480.00		<u>10.0285</u> 100.0000
<u>Summary</u>				
Committed Tracts:				
Navajo Tribal Land		240.00		3.0841
Federal Land		4,599.50		86.8874
State of New Mexico Land		480.00		10.0285
Total Committed Tracts		5,319.50		<u>100.0000</u>
*Uncommitted Tracts:				
Federal Land		62.24		0.0000
Total Participating Area		5,381.74		<u>100.0000</u>

MAIN OFFICE OCC

1963 MAR 12 PM 3 59

March 7, 1963

The British American
P. O. Box 180
Denver 1, Colorado

Re: First Revision,
Participating Area,
West Bisti Lower
Gallup Sand Unit.
San Juan County,
New Mexico

Attention: Mr. Thomas M. Hogan

Gentlemen:

The Commissioner of Public Lands approves your First Revision to the Participating Area for the West Bisti Lower Gallup Sand Unit, San Juan County, New Mexico. Also approved is your Exhibit "C" Schedule of Tract Percentage Participation which becomes effective as of the effective date of this revision which is January 1, 1962.

The Commissioner's approval is subject to like approval by the United States Geological Survey.

Please furnish us verification of the approval by the United States Geological Survey.

Very truly yours,

E. S. Johnny Walker
COMMISSIONER OF PUBLIC LANDS
BY:

(Mrs.) Marian M. Rhea
Supervisor, Unit Division

ESW/mmr/e

encl: United States Geological Survey
cc: Roswell, New Mexico
Oil Conservation Commission Santa Fe, New Mexico

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

March 5, 1963

Mr. John Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Proposed First Revision of Participating Area
West Bisti Lower Gallup Sand Unit
(Your Designation No. 14-08-0001-6890)
San Juan County, New Mexico

Dear Sir:

Transmitted herewith for your further handling is an application to the Director for approval of the first revision to the participating area of this Unit, such revision to be effective January 1, 1962.

In support of the proposed revision, we enclose six copies of a Geological and Engineering Report setting forth reasons therefor; the isopach maps referred to therein are those revised November 5, 1959, and furnished you under date of December 29, 1959.

As the basis for calculation of Tract participation percentages resulting from the proposed revision, we also enclose six copies of a tabulation designated Revised Calculation of Participation Parameters and Formula. This tabulation was originally prepared as the basis for calculating participation percentages for committed Tracts as of the effective date of the Unit, which was July 1, 1960. The hand written portion of the tabulation is the same tabulation furnished you under date of August 5, 1960. Typed figures represent additions and changes. Addition of the typed line for Tract No. 12 to obtain parameter totals for the committed participating area, prior to addition of typed lines for acreage added by the first revision, was necessary because Tract No. 12 was committed effective November 1, 1961. Typed lines for acreage added by the first revision contain parameters for said acreage, calculated in the same manner as were parameters for the initial participating area.

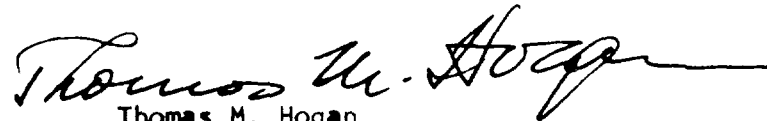
Mr. John Anderson
Regional Oil and Gas Supervisor
March 5, 1963
Page No. 2

The enclosed tabulation uses the same original oil in place figures and same current oil production figures shown on the tabulation designated Calculation of Participation Parameters and Formula (Nov. 6, 1959 Revision) also furnished you under date of December 29, 1959; however, such data shown thereon for Riddle's Vacancy Strip lease are not shown on the enclosed tabulation because the Tract has not been effectively committed to the Unit.

You will find that participation of all Tracts on Exhibit C effective with first enlargement of the participating area, have been calculated in accordance with procedure set forth in the enclosed letter to the Director.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY



Thomas M. Hogan
District Superintendent

TMH:ls
Enc.

EXHIBIT C
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION
WEST DIST LOWER GALLUP SAND UNIT
SAN JUAN COUNTY, NEW MEXICO

Effective with First Enlargement of Participating Area

<u>Tract Number</u>	<u>Description</u>	<u>No. of Acres</u>	<u>Serial No. and Date of Lease or Application</u>	<u>Percentage Participation</u>
<u>Navajo Tribal Land</u>				
1	T26N-R14W Sec. 13: S/2 NE/4 SE/4	240.00	14-20-603-735 11-10-54 H. B. P.	3.0841
Total Navajo Tribal Land		240.00		3.0841
<u>Federal Lands</u>				
5	T26N-R13W Sec. 27: S/2 N/2 S/2 Sec. 28: A11 Sec. 29: N/2 N/2	1280.00	SF-078091 4-1-51 H. B. P.	26.2881
6	T26N-R13W Sec. 35: N/2 SE/4 N/2 SW/4	1039.72	SF-078153 2-1-48 H. B. P.	22.4023
	T25N-R13W Sec. 1: Lots 1, 2, 3 & 4 S/2 NE/4 SE/4 Sec. 12: E/2 NE/4			
7	T26N-R13W Sec. 33: N/2 NE/4 Sec. 34: N/2	400.00	SF-078156 2-1-48 H. B. P.	7.9868
8	T26N-R13W Sec. 34: W/2 SW/4	159.78	SF-078156-A 2-1-48 H. B. P.	1.4818
	T25N-R13W Sec. 3: SW/4 NW/4 Lot 4			
9	T26N-R13W Sec. 21: W/2 SW/4 SE/4 SW/4	120.00	SF-078932 2-1-48 H. B. P.	2.3023
9-A	T26N-R13W Sec. 21: NE/4 SW/4	40.00	SF-078932 2-1-48 H. B. P.	0.3623
10	T26N-R13W Sec. 19: Lots 3 & 4	31.45	SF-080236 7-1-48	0.0000*
11	T26N-R13W Sec. 18: Lots 9 & 10	30.79	SF-080236-A 7-1-48 H. B. P.	0.0000*
12	T26N-R13W Sec. 30: N/2 NE/4	80.00	SF-080402 4-1-51 H. B. P.	0.7865

<u>Tract Number</u>	<u>Description</u>	<u>No. of Acres</u>	<u>Serial No. and Date of Lease or Application</u>	<u>Percentage Participation</u>
<u>Federal Lands (Cont'd)</u>				
13	T26N-R13W Sec. 26: S/2 SE/4 SW/4	240.00	SP-081028-A 3-1-51 H.B.P.	2.7291
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Total Federal Land		4661.74		86.8874
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18-A**	T26N-R13W Sec. 36: N/2 SE/4 SE/4 SE/4 SW/4 SW/4 NW/4	320.00	B-9707 1-17-56 H.B.P.	
18-B**	T26N-R13W Sec. 36: SE/4 NW/4	40.00	B-4500-3 10-24-50 H.B.P.	
18-C**	T26N-R13W Sec. 36: SW/4 SE/4	40.00	E-3148-6 12-10-49 H.B.P.	
**Tracts 18-A, 18-B and 18-C represent the total Hoshpah Unit Participation				9.4210
Total State of New Mexico Land		480.00		10.0285
<u>Summary</u>				100.0000
Committed Tracts:				
Navajo Tribal Land		240.00		3.0841
Federal Land		4,599.50		86.8874
State of New Mexico Land		480.00		10.0285
Total Committed Tracts		5,319.50		100.0000
*Uncommitted Tracts:				
Federal Land		62.24		0.0000
Total Participating Area		5,381.74		100.0000

GEOLOGICAL AND ENGINEERING REPORT
TO SUPPORT THE FIRST REVISION
OF THE PARTICIPATING AREA FOR THE
WEST BISTI LOWER GALLUP SAND UNIT
SAN JUAN COUNTY, NEW MEXICO

The proposed first revision to the participating area includes the following lands:

Township 26 North Range 13 West
Section 34: S/2 NW/4 and W/2 SW/4

Township 25 North Range 13 West
Section 3: SW/4 NW/4 and Lot 4 (NW NW)

By this revision, the participating area will be increased from 5,141.96 acres to 5,381.74 acres. A map showing the present participating area and proposed revision is submitted with the application for approval of the first revision, in support of which this report has been prepared.

The first revision is not based upon new geological information but upon performance of British-American's Salge No. 2 Well, C SW NW 3-25N-13W; attached is a rate-time graph showing the oil production history of said well.

This Unit became effective July 1, 1960 but because Salge No. 2 was not then believed to be completed in the same reservoir as wells within the initial participating area, acreage on which it is situated and intervening acreage was not included in the initial participating area. However, following commencement of full scale water injection into the initial participating area on October 2, 1960, production performance of Salge No. 2 soon showed response which indicated that it must be completed in the same reservoir as wells within the participating area.

Dry holes in C NE SW and C NE SE 34-26N-13W, which influenced the earlier belief that Salge No. 2 was not completed in the same reservoir as wells within the initial participating area, and subsequent completion of British-American's Salge No. 3, C NE SW 3-25N-13W, as a dry hole, lead to the conclusion that the path of communication between Salge No. 2 and wells within the initial participating area is not in this direction. The three 80+ acre tracts comprising the first revision of the participating area have been selected because they constitute the most logical path of communication with that portion of the reservoir within the initial participating area; this additional acreage is believed to be reasonably proved to be productive of unitized substances in paying quantities. Justification for including more acreage in the first revision does not exist.

Performance of Salge No. 2 caused the drilling of Salge No. 3 during the early part of 1962. This well was a dry hole in the Lower Gallup Sand and was temporarily abandoned upon completion; it is not deemed to have contributed any significant additional geological information. Sand picks for Salge No. 3, established in the same manner as was done in establishing sand picks from which the isopach maps used in

calculating Tract participation percentages for the initial participating area were drawn, are as follows:

Microlog Pay, Zone 1	- 4.5'
SP Pay, Zone 1	- 6.7'
SP Pay, Zone 2	- 2.5'
SP Pay, Zone 3	- 7.8'

While these pay picks differ somewhat from figures obtainable by extrapolation of said isopach maps at this location, the difference is considered insufficiently conclusive to warrant revision thereof.

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Original Signed by
Wayne Rogers

Chairman, Engineering Subcommittee
West Bisti Lower Gallup Sand Unit

