

DHC - 2155
Due 11-11-74
Getty

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OCT 22 1974
OIL CONSERVATION COMM.
Santa Fe

Getty Oil Company

MID-CONTINENT EXPLORATION AND PRODUCTION DIVISION
~~North American Exploration and Production Division~~

P. O. Box 249
Hobbs, New Mexico 88240

October 18, 1974

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

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

Re: APPLICATION FOR DOWNHOLE COMMINGLING
GETTY OIL COMPANY'S STATE B WELL NO. 2
(BOWERS SEVEN-RIVERS AND HOBBS GRAYBURG-
SAN ANDRES), LEA COUNTY, NEW MEXICO

Gentlemen:

Getty Oil Company respectfully requests Administrative Approval for downhole commingling in its State "B" Well No. 2, located 2310 FNL and 1650 FEL of Section 14, Township 18-S, Range 37-E, Lea County, New Mexico.

HISTORY:

The Grayburg San Andres Zone was shut-in August, 1971. The Grayburg San Andres was put back on production in June, 1974 and an allowable of 5 BOPD was requested and received from the New Mexico Oil Conservation Commission. The latest test run on August 16, 1974 shows the Grayburg San Andres making 2 BOPD; 10 BWPD with a GOR of 1,500 to 1.

By NMOCC Form C-103 it was proposed to perforate and treat the Upper Grayburg and the Bowers Zone in the State "B" Well No.2. NMOCC Form C-103 is attached and was approved by Joe D. Ramey with the NMOCC on September 9, 1974. This workover has been completed.

This well qualifies for Administrative Approval in accordance with statewide Rule 303, Paragraph C, and in support thereof, the following facts are submitted:

1. The attached plat shows the State "B" Lease outlined in RED and located in Section 14, T-18-S, R-37-E, Lea County, New Mexico. Well No. 2 is designated by a RED ARROW.
2. The well was dually completed in the Hobbs Grayburg San Andres and the Bowers Seven-Rivers on 10-3-74 and approved by Joe Ramey with NMOCC by the attached Form C-103.
3. The latest production information is as follows:
On 9-19-74, the Bowers Seven-Rivers was potentialized at a rate of 9 BOPD, 2 BWPD and a GOR of 667/1. (NMOCC Form C-104 attached) on 9-27-74 the Bowers Seven Rivers was produced at a rate of 6 BOPD, 2 BWPD and a GOR of 833/1. (

not official
MC

PAGE NO. 2

3. (CONTINUED)
(Form C-116 NO. I ATTACHED)

*See page
OK for
this* (The packer and bridge plug was pulled and the combined zones were tested. Both zones produced at a rate of 8 BOPD, 17 BWPD, and a GOR of 875/1. (C-116 No. 2 is attached).

BOWERS SEVEN-RIVERS PERFORATIONS: 3405' - 3450'

HOBBS GRAYBURG SAN ANDRES PERFORATIONS: 4071-4082'; 4208'-4232'.

4. Neither zone produces more water than the combined oil limit as determined in Rule 303, Paragraph C (d.).
5. Getty Oil Company has downhole commingled the fluids in the State "B" Well No. 1 for several years and has encountered no incompatibility problems; therefore, no reservoir damage will result from downhole commingling these two zones.
6. The downhole commingling resulted in no reduction of oil value; therefore, downhole commingling will not reduce the oil value.
7. The ownership of the zones to be commingled is common.
8. The production from both zones will be by artificial lift. Bottom hole pressure on both zones is estimated to be less than 50 PSIG.
9. Commingling the wellbore will not jeopardize the efficiency of future secondary operations in either zone.
10. It is recommended that the production be allocated as follows:

BOWERS SEVEN-RIVERS	75%
HOBBS GRAYBURG SAN ANDRES	25%
11. Copies of the application have been furnished to Offset Operators.

Very truly yours,
GETTY OIL COMPANY

C. L. Wade
C. L. Wade
Area Superintendent

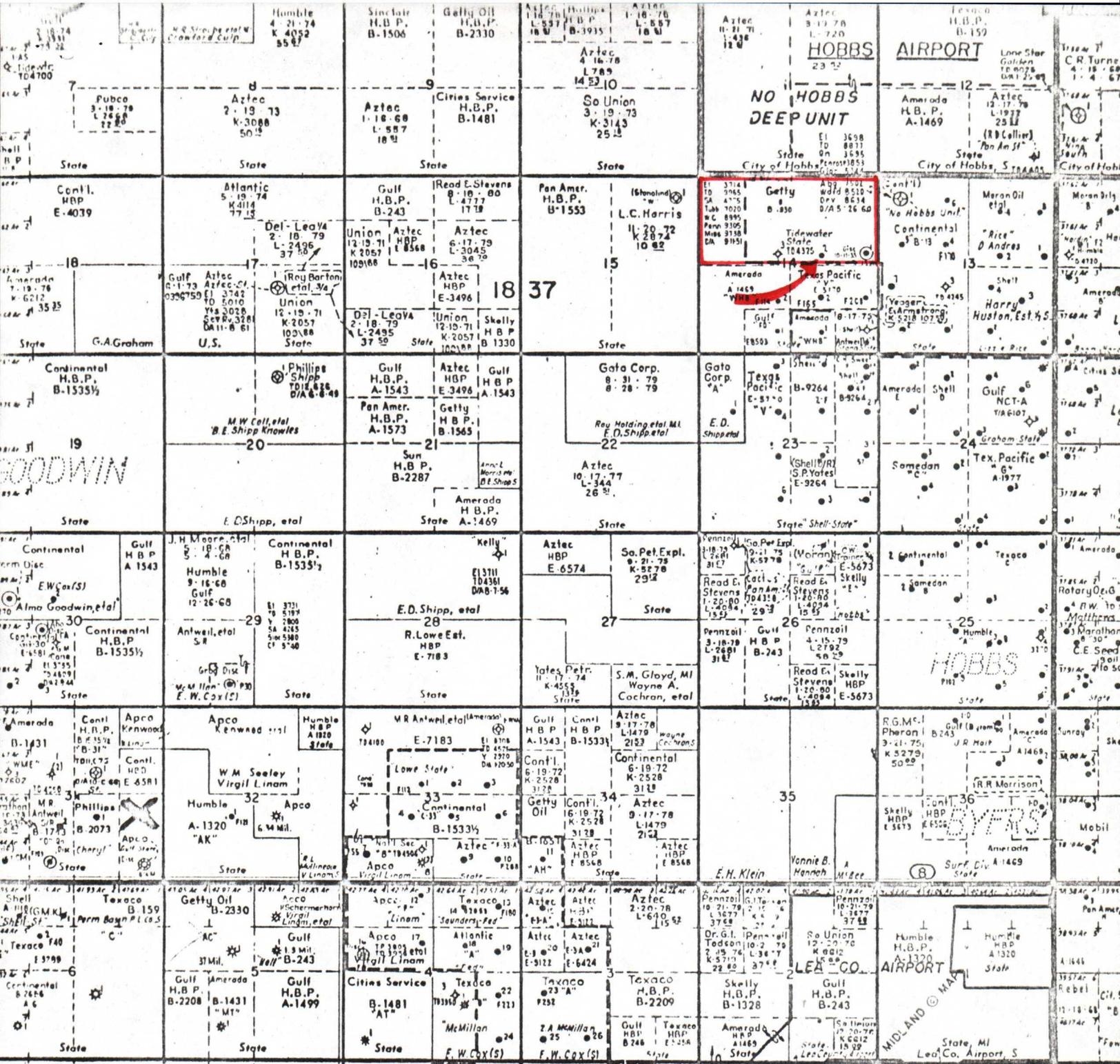
HBS-EJM/bh
ATTACHMENTS

Aztec Oil Co.
% Lester Duke
Box 837
Hobbs, N.M. 88240
L. C. Harris
Box 498
Artesia, New Mexico 88210

Amerada Hess
Drawer 817
Seminole, Texas 79360

Continental Oil Company
P.O. Box 460
Hobbs, New Mexico 88240

Southern Union Gas Co. Texas Pacific Oil Co.
Fidelity Union Tower Bldg. P.O. Box 4067
Dallas, Texas 75201 Midland, Texas 79701



GETTY OIL COMPANY
 STATE "B" WELL NO. 2
 HOBBS GRAYBURG - BOWERS SEVEN-RIVERS
 LEA COUNTY, NEW MEXICO

Brody
MR

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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OCT 22 1974

NEW MEXICO OIL CONSERVATION COMMISSION
3-NMOCC
1-File

5a. Indicate Type of Lease
State Fee
5. State Oil & Gas Lease No.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION COMMISSION
Santa Fe

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator GETTY OIL COMPANY	8. Farm or Lease Name STATE "B"
3. Address of Operator P.O. BOX 249, HOBBS, NEW MEXICO 88240	9. Well No. #2
4. Location of Well UNIT LETTER G 2310 FEET FROM THE N LINE AND 1650 FEET FROM THE E LINE, SECTION 14 TOWNSHIP 18-S RANGE 37-E NMPM.	10. Field and Pool, or Wildcat HOBBS GRAYBURG
15. Elevation (Show whether DF, RT, GR, etc.) 3686 DF	12. County LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

It is proposed to perforate and treat the Upper-Grayburg and Bowers Zone in the State B #2 as follows:

- A. Perforate the Upper Grayburg at 4071, 96, 98; 4141, 43, 63, 65, 67, 69, 71, and 82' and Bowers Zone from 3405, 07, 10, 41, 45, and 50'.
- B. Run BP and Packer on 3" Frac Tubing and straddle Grayburg perforations with packers and Sand Fracture Treat with 20,000 gals. carrying 2# Sand per gal.
- C. Pick up bridge plug and packer and straddle Bowers perforations and sand fracture treat with 10,000 gallons carrying 2# sand per gallon.
- D. Pull fracture tubing and packer - Run 2-3/8" tubing and rods and pump test above BP.
- E. Recover BP and pump test Grayburg Formation.
- F. Request down hole commingling permission if results of test warrant.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

C.L. Wade, ORIGINAL SIGNED BY: **AREA SUPERINTENDENT**
SIGNED C. L. Wade TITLE _____ DATE **9-9-74**

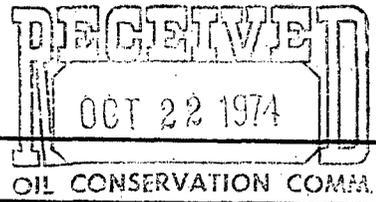
APPROVED BY _____ Orig. Signed by **Joe D. Ramey**, TITLE _____ DATE **SEP 9 1974**
CONDITIONS OF APPROVAL, IF ANY: **Dist. I, Supv.**
BMV/bh

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND

Form C-104
Supersedes Old C-104 and C-
Effective 1-1-65

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

5-NMOCC
1-W.L. Boone - Houston
1-R. L. White - Midland
1-File ✓



DISTRIBUTION		
SANITARY FEE		
FILE		
T.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

Operator
GETTY OIL COMPANY

Address
P. O. BOX 249, HOBBS, NEW MEXICO 88240

Reason(s) for filing (Check proper box)
 New Well Change in Transporter of:
 Recompletion Oil Dry Gas
 Change in Ownership Casinghead Gas Condensate

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name STATE "B"	Well No. 2	Pool Name, Including Formation BOWERS-SEVEN RIVERS	Kind of Lease State, Federal or Fee STATE	Lease No.
Location Unit Letter G ; 2310 Feet From The NORTH Line and 1650 Feet From The EAST Line of Section 14 Township 18-S Range 37-E , NMPM, LEA County.				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> SHELL PIPE LINE COMPANY	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1910, MIDLAND, TEXAS 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> NONE	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	H 14 18-S 73-E NO

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
	X			X				X
Date Start Rework 9-9-74	Date Compl. Ready to Prod. 9-14-74	Total Depth 4275	P.B.T.D. 4270					
Elevations (DF, RKB, RT, GR, etc.) 3686 D.F.	Name of Producing Formation BOWERS-SEVEN RIVERS	Top Oil/Gas Pay 3405	Tubing Depth 3489					
Perforations 3405, 07, 10, 41, 45, & 50'			Depth Casing Shoe 4274					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 9-17-74	Date of Test 9-19-74	Producing Method (Flow, pump, gas lift, etc.) PUMP	
Length of Test 24	Tubing Pressure -	Casing Pressure -	Choke Size 2"
Actual Prod. During Test 11	Oil-Bbls. 9	Water-Bbls. 2	Gas-MCF 6

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

C.L. Wade; P.L. Wade
(Signature)

AREA SUPERINTENDENT
(Title)

OCTOBER 4, 1974
(Date)

WLG/bh

10-4-74

OIL CONSERVATION COMMISSION

APPROVED _____, 19____

BY _____

TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

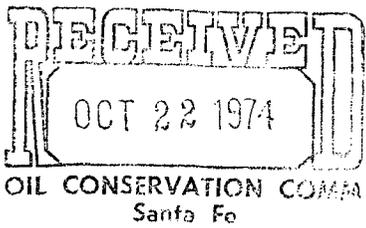
All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		GETTY OIL COMPANY			Pool	BOWERS SEVEN RIVERS			County	LEA						
Address		P.O. BOX 249, HOBBS, NEW MEXICO 88240						TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input checked="" type="checkbox"/>		
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST hours	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL			
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.	
STATE "B"	2	G	14	18-S	37-E	9-27-74	P	-	25	9	24	2	35.2	6	5	833
APPLICATION FOR DOWNHOLE COMMINGLING																



No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
 Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

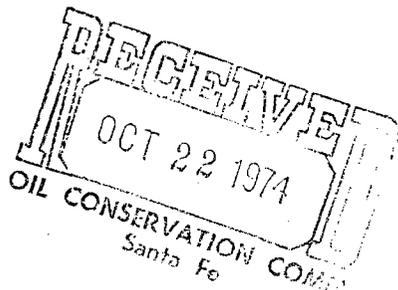
C.I. Wade: *C.I. Wade*
 (Signature)
 AREA SUPERINTENDENT
 (Title)
 OCTOBER 18, 1974
 (Date)

HBS/bh

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator GETTYS OIL COMPANY		Pool BOWERS SEVEN RIVERS AND HOBBS GRAYBURG SAN ANDRES		County LEA												
Address P.O. BOX 249, HOBBS, NEW MEXICO 88240		TYPE OF TEST - (X) <input type="checkbox"/> Scheduled <input checked="" type="checkbox"/> Special		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.			
		U	S	T						R	WATER BBLs.	GRAV. OIL BBLs.		OIL BBLs.	GAS M.C.F.	
STATE "B"	2	G	14	18-S	37-E	10-15-74	P	-	25	-	24	17	35.2	8	7	875
APPLICATION FOR DOWNHOLE COMMINGLING																



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C. L. Wade *C. L. Wade*
 AREA SUPERINTENDENT (Signature)
 OCTOBER 18, 1974 (Date)

HBS/bh

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

RECEIVED
OCT 24 1974
OIL CONSERVATION COMM.
Santa Fe

DATE Oct. 22, 1974

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Getty Oil Co. State B #2-G 14-18-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.D.R.

Yours very truly,

