



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

*K JAR*

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. (

PAGE NO. 2

3. (CONTINUED)  
(Form C-116 NO. 1 ATTACHED)

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.

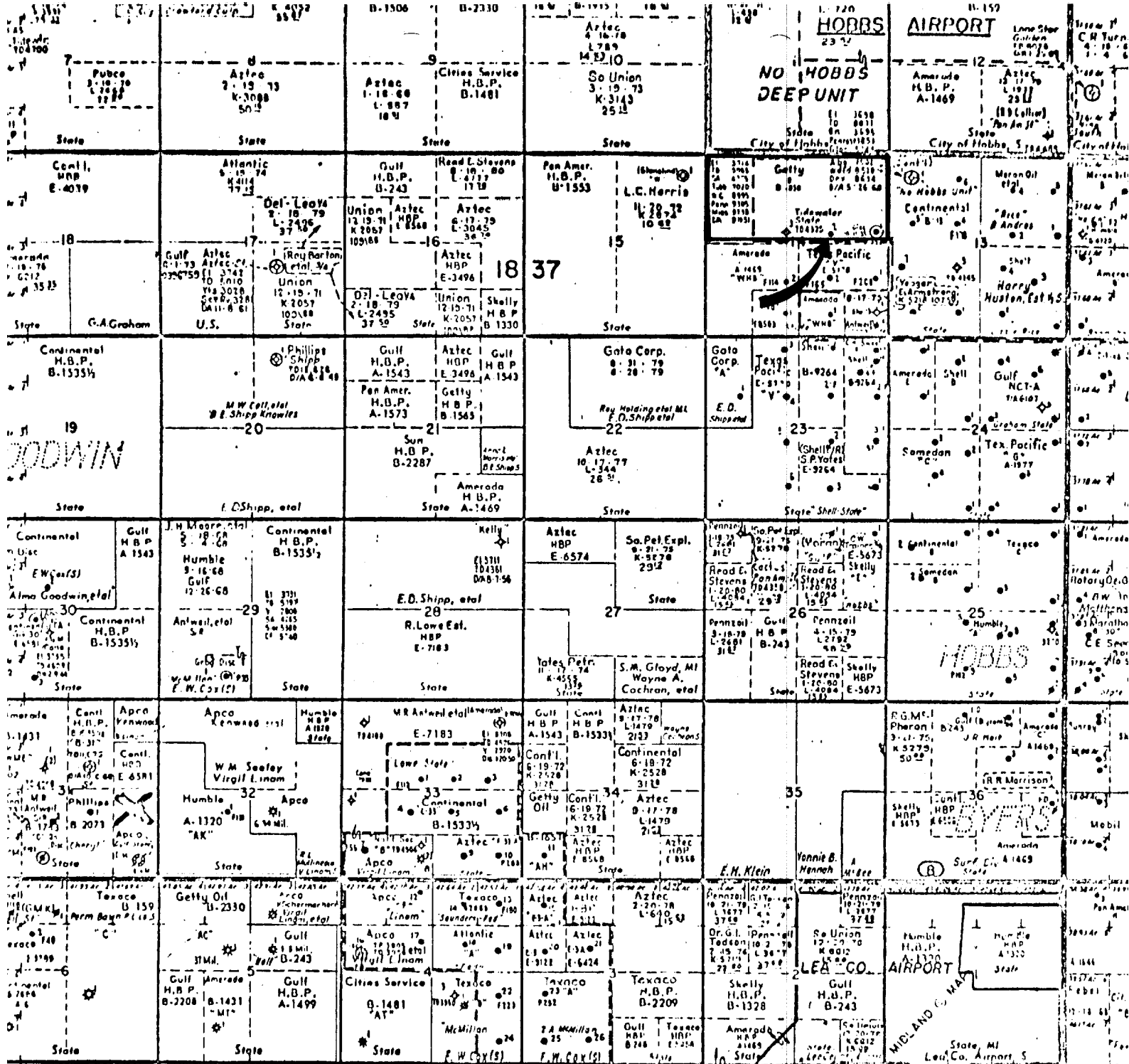
Very truly yours,  
GETTY OIL COMPANY

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

HBS-EJM/bh ATTACHMENTS	Aztec Oil Co.	Amerada Hess	Continental Oil Company
	% Lester Duke	Drawer 817	P.O. Box 460
	Box 837	Seminole, Texas 79360	Hobbs, New Mexico 88240
	Hobbs, N.M. 88240		
	L. C. Harris	Southern Union Gas Co.	Texas Pacific Oil Co.
	Box 498	Fidelity Union Tower Bldg.	P.O. Box 4067
	Artesia, New Mexico 88210	Dallas, Texas 75201	Midland, Texas 79701

RECEIVED

SEP 21 1971  
U.S. CONSERVATION COMM.  
HOBBES, W. ME.



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

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

NEW MEXICO OIL CONSERVATION COMMISSION  
3-NHOC  
1-File

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

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator CITY OIL COMPANY	8. Form 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 <u>G</u> <u>2310</u> FEET FROM THE <u>N</u> LINE AND <u>1650</u> FEET FROM THE <u>E</u> LINE, SECTION <u>14</u> TOWNSHIP <u>18-S</u> RANGE <u>37-E</u> NMPM.	10. Field and Pool, or Wildcat HOBBS GRAYBURG
15. Elevation (Show whether DF, RT, GR, etc.) 3686 DF	12. County LEA

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"/>	PLUS 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 JOBS <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:

1. 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'.
2. 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.
3. Pick up bridge plug and packer and straddle Bowers perforations and sand fracture treat with 10,000 gallons carrying 2# sand per gallon.
4. Pull fracture tubing and packer - Run 2-3/8" tubing and rods and pump test above BP.
5. Recover BP and pump test Grayburg Formation.
6. 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.

SIGNED C.L. Wado ORIGINAL SIGNED BY: C.L. Wado TITLE AREA SUPERINTENDENT DATE 9-9-74

APPROVED BY Joe D. Ramsey TITLE Dist. I, Supv DATE SEP 9 1974  
CONDITIONS OF APPROVAL, IF ANY:  
MV/bh

SAITAF		
FILE		
G.S.		
ID OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PERORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

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

GETTY OIL COMPANY

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

Reason(s) for filing (Check proper box)

New Well ☐  
Recompletion ☒  
Change in Ownership ☐  
Change in Transporter of:  
Oil ☐  
Casinghead Gas ☐  
Dry 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	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	County LEA

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> SHIELD 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 H Sec. 14 Twp. 18-S Rge. 73-E Is gas actually connected? NO When

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 <input type="checkbox"/>	New Well <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/> Same Res'v. <input type="checkbox"/> Diff. Res'v. <input checked="" type="checkbox"/>
Date <del>START</del> 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

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 :
Actual Prod. During Test 11	Oil-Bbls. 9	Water-Bbls. 2
		Choke Size 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

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)

APEA SUPERINTENDENT  
(Title)

OCTOBER 4, 1974  
(Date)

WLG/ph

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 transportation or other change of condition.

C-116  
Revised 1-1-65

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

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 30j and appropriate pool rules.

C.L. Wade: 0.5.11

ARLA SUPERINTENDENT

OCTOBER 18, 1974

1135/bh

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

Operator <b>GETTY OIL COMPANY</b>		Pool <b>BOYERS SEVEN RIVERS AND HOBBS GRAYBURG SAN ANDRES</b>		County <b>LEA</b>											
Address <b>P.O. BOX 249, HOBBS, NEW MEXICO 88240</b>		Type of Test - (X) <b>TEST - (X)</b>		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	SIZE OF CHOKE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL	
		U	S	T						R	WATER BBL'S.	GRAV. OIL	OIL BBL'S.		GAS M.C.F.
STATE "B"	2	G	14	13-S	37-E	10-15-74	P	25	-	24	17	35.2	8	7.	875
APPLICATION FOR DOWNGRADING															

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.

Well 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. L. Wade *(Signature)*  
AREA SUPERINTENDENT

OCTOBER 18, 1974 *(Date)*

IBS/bh