

DHC

11/10/97

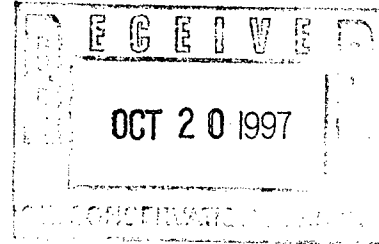
Hallwood Petroleum, Inc.

4582 South Ulster Street Parkway • Stanford Place III • Suite 1700 • Post Office Box 378111
Denver, Colorado 80237 • (303) 850-7373

734

CERTIFIED MAIL NO. P 212 222 118

October 15, 1997



Mr. David Catanach,
Hearing Examiner
State of New Mexico
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: State "B" 14 Com #1
Unit P – Section 14-T18S-R28E
Eddy County, New Mexico
Application for Downhole Commingling

Dear Mr. Catanach:

Hallwood Petroleum, Inc., as operator of the State "B" 14 Com #1 well, respectfully submits a Form 107-A, Application for Downhole Commingling. Enclosed with this application are supportive documents and a list of offset operators who are being notified of this proposal.

The State "B" 14 Com #1 was drilled in 1980 and originally dual completed in the Upper Penn formations at 9653-9804' and the Morrow formation at 10,690' – 10,743'. The well is still a dual completion in the Travis-Upper Penn pool and South Empire-Morrow pool, respectively. This well has a unique mechanical set-up downhole with an Otis brand "crossover" tool that allows for production from the deeper zone (South Empire-Morrow) to come up the tubing part way, then cross over and flow up the annulus. The shallower zone (Travis-Upper Penn), conversely, comes up the annulus part way and crosses over to the tubing string just under an upper packer. A color-coded diagram is attached to help illustrate this scenario (Attachment #9). This downhole configuration was set up due to the Upper Penn formations having more oil and needing to be produced up the tubing.

The Upper Upper-Penn zones still produce more oil than the deeper Morrow zones; however, this zone is now essentially a gas well with associated oil due to a 40,000 – 45,000 GOR (1995 production). This is considerably higher than the original completion (1980) reported 2343 gas-oil ratio.

Mr. David Catanach
State of New Mexico
Oil Conservation Division
October 15, 1997
Page 2

Hallwood Petroleum, Inc. is seeking this downhole commingling for two (2) reasons:

1. The Upper completion Travis Upper Penn zone is currently not producing and is loaded up and logged off. This is graphically illustrated in the attached production plot for this zone (Attachment #3).
2. An attractive recompletion opportunity exists in an uphole zone at approximately 9100'. This zone (in the Wolfcamp) was drillstem tested in 1980 and flow tested gas and oil. In order to recomplete uphole to this zone, Hallwood wants to be able to commingle the Upper Penn and Morrow zones, and then eventually dual complete with a successful future Wolfcamp recompletion.

Hallwood believes that commingling of the two proposed formations will not cause any fluid compatibility problems and will most likely increase production and recoveries from the commingled zones. This is due in part to the elimination of the complicated downhole mechanism that is probably restricting flow presently. Also, the additional gas volumes from the Morrow zone (lower completion) should assist in lifting oil production from the upper completion.

Although pressure data is somewhat limited on this well, we have calculated the original BHP of the Upper Penn to be 4456 psig. This compares nearly identically to the measured BHP of 4434 psig for the Morrow zones. Both zones were originally drilled with a 10.1 ppg mud weight. In February 1991, after setting the well up for dual completion, the shut in pressures for each zone were within 640 psi (Travis-Upper Penn – 1560 psi; Empire-South Morrow – 2200 psi).

With regard to current formation pressures, they are essentially impractical to obtain due to the previously discussed downhole setup with two (2) packers and a "crossover" tool which will not allow wireline bombs to pass through. We have reviewed the 1996 packer integrity test data, which had extended (3-day) shut-in pressures and concluded that the current bottomhole pressures are as follows:

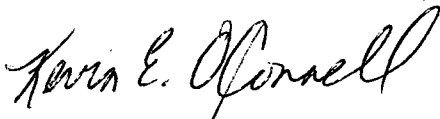
	<u>Travis-Upper Penn</u>	<u>Empire-South Morrow</u>
Shut-in Pressure	680# SITP	600# SICP
Calculated BHP	978 psig	898 psig

Mr. David Catanach
State of New Mexico
Oil Conservation Division
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Page 3

We hope that this information and supporting attachments are satisfactory for your review and approval of this application. Should you need any additional data, please contact me at (303) 850-6303. Hallwood is confident that increased production can be obtained from a downhole commingling of the Upper Penn and Morrow zones as both zones have such similar fluids, rates and pressures. This downhole commingling will also allow us to proceed with a planned Wolfcamp recompletion in early 1998 to try and develop additional reserves from this well.

Sincerely,

HALLWOOD PETROLEUM, INC.



Kevin E. O'Connell
Drilling and Production Manager

KEO/jey

Enclosures

cc: OCD District II
 811 S. First Street
 Artesia, NM 88210

State of New Mexico
Commissioner of Public Lands
310 Old South Santa Fe Trail
P.O. 1148
Santa Fe, NM 87504-1148

Offset Operators (8)

Well File

KEO97.069



SEP-15-97 MON 1:54 PM OCD DISTRICT II

FAX NO. 5057489720

SEP 15 '97 02:40PM -A
New 3-12-96

DISTRICT I

Box 1080, Hobbs, NM 88240

DISTRICT II

811 South First St., Artesia, NM 88210

DISTRICT III

1000 Rio Grande Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6428

APPROVAL PROCESS:

Administrative ☐ Hearing ☐

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Hallwood Petroleum, Inc., P. O. Box 378111, Denver, CO 80237

Operator
State "B" 14 Com #1

P-14-18S-28E

Eddy

009171

OGRID NO. 015694 Property Code 004915 API NO. 30-015-23350

Spacing Unit Lease Types: (check 1 or more)
Federal ☐ State ☒ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Travis Upper Penn (59860)		Empire South Morrow (76400)
2. Top and Bottom of Pay Section (Perforations)	9653 - 9804'		10690 - 10743'
3. Type of production (Oil or Gas)	Gas (& Condensate)		Gas (& Condensate)
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 873 - 1200 psi b. (Original) 4456 psi (calc)	a. b.	a. 814 - 1200 psi b. 4434 psi @ 10726'
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	1170 BTU (46 $^{\circ}$ API)		1187 BTU (53.8 $^{\circ}$ API)
7. Producing or Shut-in?	Shut-in		Producing
Production Marginal? (yes or no)	Yes - presently		Yes
* If Shut-in, give date and oil/gas/water rates of last production <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data</small> * If Producing, give date and oil/gas/water rates of recent test (within 90 days)	Date: 6/97 Rates: 15 MCFD x 3 BOPD x -0- BWPD	Date: Rates:	Date: Rates: N/A
	Date: N/A Rates:	Date: Rates:	Date: 7/97 Rates: 80 MCFD x -0- BOPD x -0- BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 81 % Gas: 46 %	Oil: % Gas: %	Oil: 19 % Gas: 54 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No

11. Will cross-flow occur? Yes ☒ No ☐ If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No
NO FEDERAL LANDS

15. NMOCD Reference Cases for Rule 303(C) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

- 2 • C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- 3 • Production curve for each zone for at least one year. (If not available, attach explanation.)
- 1 • For zones with no production history, estimated production rates and supporting data. N/A
- 4 • Data to support allocation method or formula. - Attachment #1
- Notification list of all offset operators.
- Notification list of working, overriding, and royalty interests for uncommon interest cases.
- Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Kevin E. O'Connell TITLE Drilg & Prod Mgr DATE 10/15/97
TYPE OR PRINT NAME Kevin E. O'Connell TELEPHONE NO. (303) 850-6303

Attachment #1

Supporting Data (for Part 9) of Form 107-A
To Determine Allocation Formula

Year	Upper Completion Upper Penn Formation Travis (Upper Penn) Field		Lower Completion Morrow Formation Empire-South (Morrow) Field	
	Ave. Monthly Gas Prod (% of Total)	Ave. Monthly Oil Prod. (% of Total)	Ave. Monthly Gas Prod. (% of Total)	Ave. Monthly Oil Prod. (% of Total)
1991	700 MCF (39%)	210 BO (75%)	11,000 MCF (61%)	70 BO (25%)
1992	6500 MCF (41%)	180 BO (78%)	9500 MCF (59%)	50 BO (22%)
1993	5800 MCF (49%)	160 BO (88%)	6000 MCF (51%)	20 BO (12%)
1994	5400 MCF (44%)	130 BO (87%)	7000 MCF (56%)	20 BO (13%)
1995	5000 MCF (50%)	110 BO (88%)	5000 MCF (50%)	15 BO (12%)
1996	Not representative due to load up and logging off problems with Travis (Upper Penn) zone. <u>Travis (Upper Penn)</u> Ave. Gas Production Percentage = 46% Ave. Gas Production = 54% Ave. Oil Production Percentage = 81% Ave. Oil Production = 19%			

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION FORM AT

Form C-102
 Supersedes C-128
 Effective 1-1-65

Attachment #2

All distances must be from the outer boundaries of the Section.

Operator Holly Energy, Inc.			Lease State "B" 14 COM		Well No. 1
Unit Letter P	Section 14	Township 18 S	Range 28 E	County Eddy	
Actual Footage Location of Well:					
660	feet from the	South	line and	990	feet from the East line
Ground Level Elev. 3540	Producing Formation Strawn		Pool Travis--Upper Penn (Ext.)		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Holly

State
(E-1287-4)

Holly, R&S

State
(B-11594-6)

CERTIFICATION

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

Robert Loyd

Name
Robert Loyd

Position
Superintendent

Company
Holly Energy, Inc.

Date
October 22, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
3-10-80

Registered Professional Engineer and/or Land Surveyor
Original signed by John W. West

Certificate No.
676

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

Attachment #2A

All distances must be from the outer boundaries of the Section.

Operator Holly Energy, Inc.			Lease State "B" 14 COM		Well No. 1
Unit Letter P	Section 14	Township 18 S	Range 28 E	County Eddy	
Actual Postage Location of Well:					
660		feet from the South	line and	990	feet from the East line
Ground Level Elev. 3540	Producing Formation Morrow		Pool South Empire - Morrow (Ext.)		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

	Holly	
	State (E-1287-6)	
	Holly	
	State (B-11594-6)	
Arco, Yates, Depco, Husky		
State (B-647-3)		
Holly	Holly, R&S	
State (E-1287-4)	State (B-11594-6)	

CERTIFICATION

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

Robert Loyd

Name **Robert Loyd**
 Position **Superintendent**
 Company **Holly Energy, Inc.**
 Date **March 19, 1980**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **3-10-80**
 Registered Professional Engineer and/or Land Surveyor
 Original signed by **John W. West**

Certificate No.

676

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

Hallwood

WTR-bb1
10000
1000
100

GAS-mcf
10000
1000
100

OIL-bb1
10000
1000
100

OIL
GRI-DEFAULT
Ref: 05/97
YFS: 6.167

GAS
GRI-DEFAULT
Ref: 05/97
YFS: 6.167

11/13 100 to 6000
11/13 100 to 6000
11/13 100 to 6000

1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

PDP	MAJOR:	GAS	14	18S	28E
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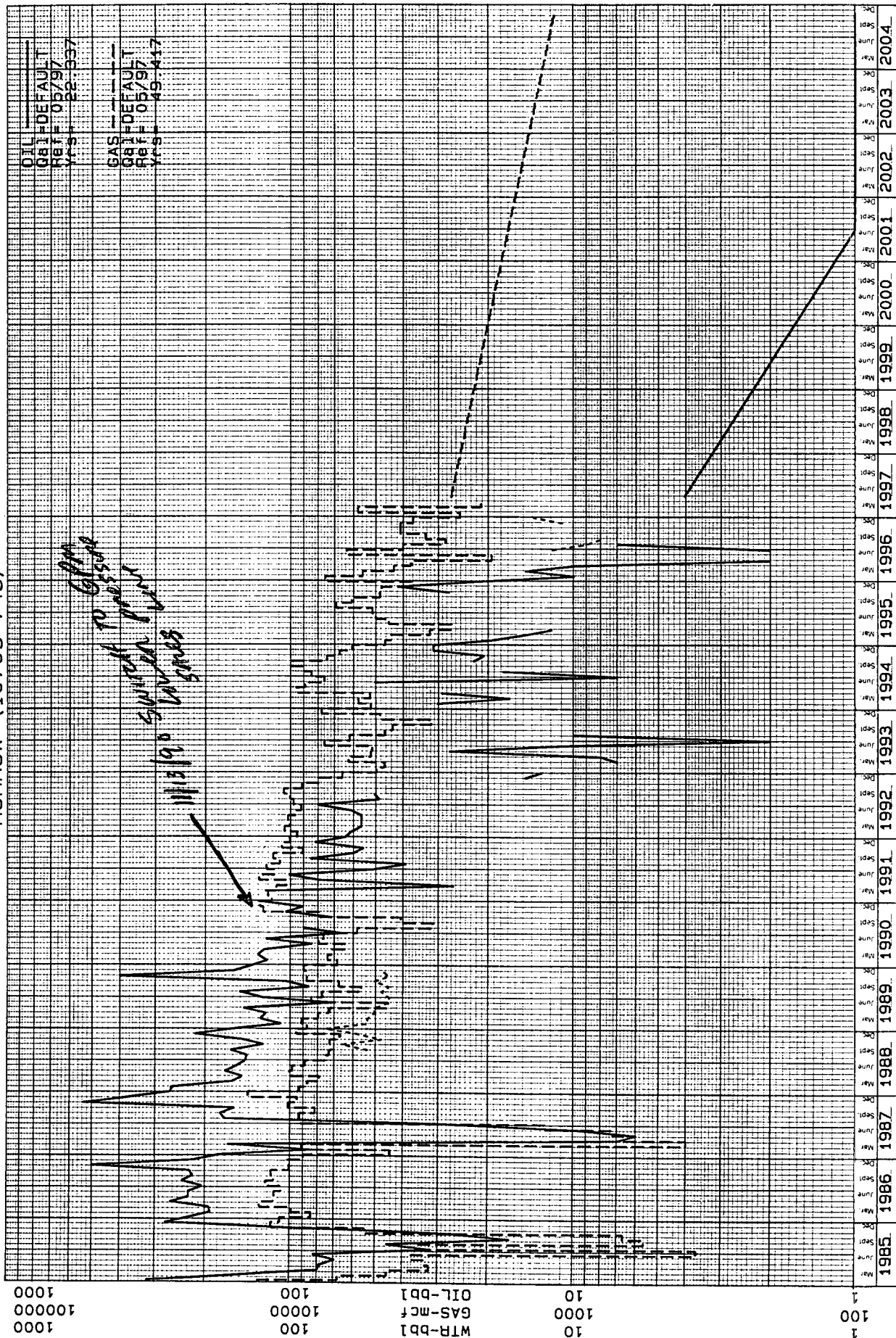
01270 001369

Lower Completion
Casing Annulus

STATE B 14 COM 1 (MOR)
EMPIRE SOUTH
NM EDDY
CBM WELLS
MORROW (10709-743)

DATE: 07/22/97
TIME: 12:04:35

Hallwood



Attachment #4

List of Offset Operators

Hallwood-State "B" 14 Com #1 Well

T18S-R28E, Eddy County, New Mexico

Section 10

1. SDX Resources
P. O. Box 5061
Midland, TX 79704
2. Kay Jay Oil Company
P. O. Box 1306
Artesia, NM 88210

T18S-R28E, Eddy County, New Mexico

Section 11

1. Yates Drilling Company
105 S. 4th Street
Artesia, NM 88210
2. SDX Resources
P. O. Box 5061
Midland, TX 79704

T18S-R28E, Eddy County, New Mexico

Section 12

1. Harvey E. Yates Company
500 N. Main Street
Roswell, NM 88202

T18S-R28E, Eddy County, New Mexico

Section 13

1. Harvey E. Yates Company
500 N. Main Street
Roswell, NM 88202

List of Offset Operators

Hallwood-State "B" 14 Com #1 Well

T18S-R28E, Eddy County, New Mexico

Section 14

1. Hallwood Petroleum, Inc.
P. O. Box 378111
Denver, CO 80237
2. SDX Resources
P. O. Box 5061
Midland, TX 79704

T18S-R28E, Eddy County, New Mexico

Section 15

1. SDX Resources
P. O. Box 5061
Midland, TX 79704

T18S-R28E, Eddy County, New Mexico

Section 22

1. SDX Resources
P. O. Box 5061
Midland, TX 79704
2. W. E. Jeffers
P. O. Box 65
Artesia, NM 88211-0065

List of Offset Operators

Hallwood-State "B" 14 Com #1 Well

T18S-R28E, Eddy County, New Mexico
Section 23

1. Devon Energy Corporation
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102-9951
2. SDX Resources
P. O. Box 5061
Midland, TX 79704
3. UMC Petroleum Corporation
410 17th Street, Suite 1400
Denver, CO 80202
4. Ray Wistall
P. O. Box 4
Loco Hills, NM 88255
5. Yates Drilling Company
105 S. 4th Street
Artesia, NM 88210
6. Harvey E. Yates Company
500 N. Main Street
Roswell, NM 88202


Attachment #5

Verification and Affidavit

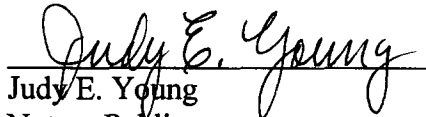
STATE OF COLORADO)
) SS
COUNTY OF DENVER)

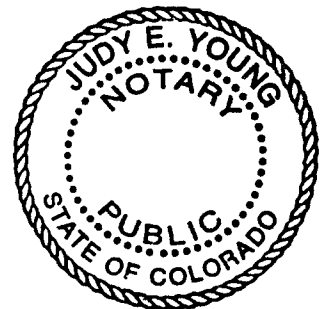
Kevin E. O'Connell, of lawful age, being first duly sworn on his oath, deposes and says:

That he is employed in an engineering capacity by Hallwood Petroleum, Inc. in its Denver office; that he has responsibilities for New Mexico permitting matters; that Hallwood's Application for administrative approval to downhole commingle the Upper Penn and Morrow zones in the State "B" 14 Com #1 well, located in Unit P-Section 14-T18S-R28E, Eddy County, New Mexico, has been prepared under his direction and supervision; that the matters and things therein set forth are true and correct to the best of his knowledge and belief; that a copy thereof was sent by certified mail from Applicant's Denver, Colorado office on October 15, 1997 to affected lease operators on Attachment #4 pursuant to Form 107-A; and that to the best of his knowledge and belief these parties are the only owners to whom notice of such Application is required to be given in accordance with the provisions of the Rules and Regulations of the Oil Conservation Division of the State of New Mexico.


Kevin E. O'Connell

Subscribed and sworn to before me this 15th day of October, 1997.


Judy E. Young
Notary Public



My Commission Expires
April 19, 2001

Attachment #6

Supportive Data (for Part 10) of Form 107-A

List of Working, Overriding & Royalty Interest Owners

State "B" 14 Com #1 – Travis Upper Penn Zone

OWNER NAME	PERCENT	TYPE OWNER*
Hallwood Consolidated Resources Corp	29.0039	WI
HEP Development	29.0039	WI
Devon Energy Corporation	10.9375	WI
Costilla Energy, Inc.	6.8360	WI
Louis Dreyfus Gas Holdings, Inc.	3.4934	WI
Yates Petroleum Corporation	3.3864	WI
Pride Energy Company	1.7467	WI
Durango Production Corporation	1.7467	WI
State of New Mexico	12.5000	RI
Della Sheldon	0.7813	OI
Yates Brothers A Partnership	0.5642	OI
TOTAL	100.0000	
*WI = Working Interest RI = Royalty Interest OI = Override Interest		

State "B" 14 Com #1 – Empire, South Morrow Zone

OWNER NAME	PERCENT	TYPE OWNER*
Hallwood Consolidated Resources Corp	29.0039	WI
HEP Development	29.0039	WI
Devon Energy Corporation	10.9375	WI
Costilla Energy, Inc.	6.8360	WI
Louis Dreyfus Gas Holdings, Inc.	3.4934	WI
Yates Petroleum Corporation	3.3864	WI
Pride Energy Company	1.7467	WI
Durango Production Corporation	1.7467	WI
State of New Mexico	12.5000	RI
Della Sheldon	0.7813	OI
Yates Brothers A Partnership	0.5642	OI
TOTAL	100.0000	
*WI = Working Interest RI = Royalty Interest OI = Override Interest		

October 15, 1997

TO: Address List for Offset Operators

RE: State "B" 14 Com #1
Unit P-Section 14-T18S-R28E
Eddy County, New Mexico
Application for Downhole Commingling

Gentlemen:

Hallwood Petroleum, Inc. is applying for administrative approval to commingle production from the Upper Penn and Morrow zones in the above referenced well. If you, as an offset operator, have no objection to the proposed commingling, please sign the waiver at the bottom of this page and return one copy in the enclosed self-addressed stamped envelope.

Thank you for your cooperation.

Sincerely,



Kevin E. O'Connell
Drilling and Production Manager

O: (303) 850-6303
FAX: (303) 850-6290

KEO/jey
Enclosures

KEO97.074

W A I V E R

WE HEREBY WAIVE ANY OBJECTIONS TO HALLWOOD PETROLEUM, INC.'S APPLICATION TO COMMINGLE PRODUCTION AS SET FORTH ABOVE.

NAME: _____

TITLE: _____

DATE: _____

Attachment #7

Address List for Offset Operators

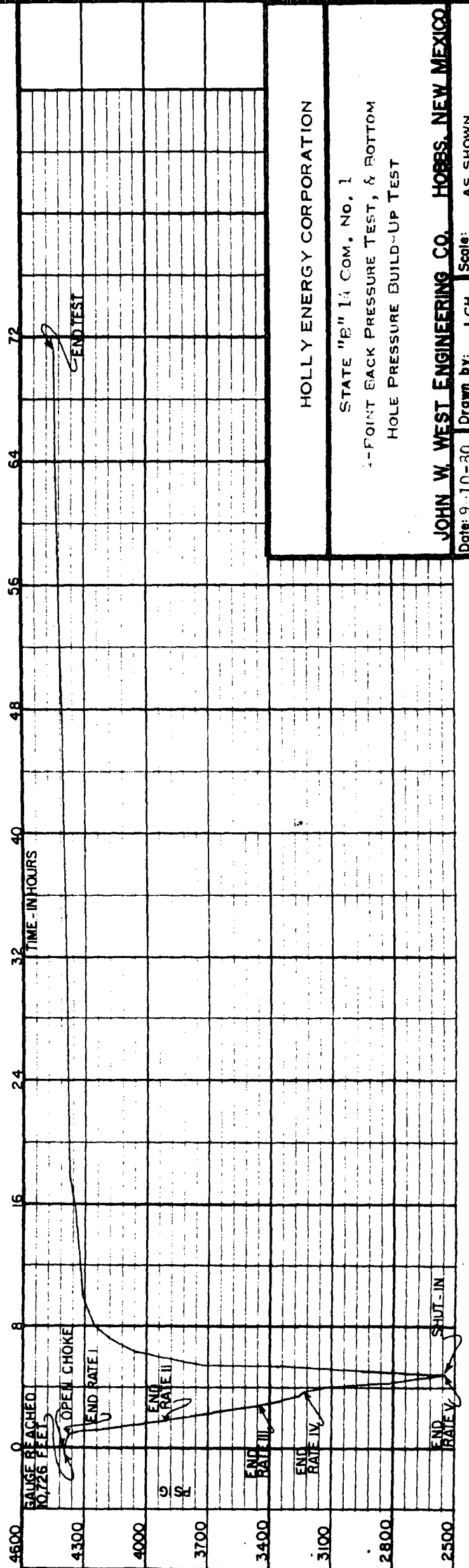
State "B" 14 Com #1

1. SDX Resources
P. O. Box 5061
Midland, TX 79704
2. Kay Jay Oil Company
P. O. Box 1306
Artesia, NM 88210
3. Yates Drilling Company
105 S. 4th Street
Artesia, NM 88210
4. Harvey E. Yates Company
500 N. Main Street
Roswell, NM 88202
5. W. E. Jeffers
P. O. Box 65
Artesia, NM 88211-0065
6. Devon Energy Corporation
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102-9951
7. UMC Petroleum Corporation
410 17th Street, Suite 1400
Denver, CO 80202
8. Ray Wistall
P. O. Box 4
Loco Hills, NM 88255

TEST DATE: SEPTEMBER 6, TO SEPTEMBER 9, 1980
TEST DEPTH: 10,726 FEET

ELEMENT NO.: 2534 ELEMENT NO.: 12809
RANGE: 0 - 5750 PSI RANGE: 0 - 5650 PSI
CLOCK NO.: 10835 CLOCK NO.: E-794
RANGE: 72 HOURS RANGE: 72 HOURS

NOTE: SEE FOLLOWING PAGE FOR TABULATION OF TIMES AND PRESSURES.



HOLLY ENERGY CORPORATION

STATE "B" 14 COM. NO. 1

4-POINT BACK PRESSURE TEST, & BOTTOM
HOLE PRESSURE BUILD-UP TEST

JOHN W. WEST ENGINEERING CO. HOBBS, NEW MEXICO

Date: 9-10-80 Drawn by: LCH Scale: AS SHOWN

HOLLY ENERGY CORPORATION
 STATE "B" 14 COM. NO. 1
 4-POINT BACK PRESSURE TEST,
 & BOTTOM HOLE PRESSURE BUILD-UP TEST
 TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING COMPANY

TEST DATE: SEPTEMBER 6, TO SEPTEMBER 9, 1980
 TEST DEPTH: 10,726 FEET
 ELEMENT No.: 8534
 OPERATOR: W.S.

<u>DATE</u>	<u>TIME</u>	<u>CUM. HRS. / MIN.</u>		<u>PSIG @ 10,726 FEET</u>
9-6-80	9:45 AM			4396 GAUGE REACHED 10,726'
9-6-80	10:15 AM	00 HRS.	00 MIN.	4396 OPEN CHOKE; BEGIN 4-POINT
	10:30 AM	00	15	4378
	10:45 AM	00	30	4373
	11:00 AM	00	45	4367 END RATE I
9-6-80	11:15 AM	01	00	4338
	11:30 AM	01	15	4194
	11:45 AM	01	30	4041
	12:00 NOON	01	45	3919 END RATE II
9-6-80	12:15 PM	02	00	3763
	12:30 PM	02	15	3685
	12:45 PM	02	30	3558
	1:00 PM	02	45	3457 END RATE III
9-6-80	1:15 PM	03	00	3384
	1:30 PM	03	15	3298
	1:45 PM	03	30	3254
	2:00 PM	03	45	3223 END RATE IV
9-6-80	2:15 PM	04	00	3116
	2:30 PM	04	15	2849
	2:45 PM	04	30	2719
	3:00 PM	04	45	2551 END RATE V; END 4-POINT
9-6-80	3:00 PM	04	45	2551 SHUT-IN; BEGIN BUILD-UP
	3:15 PM	05	00	2954
	3:30 PM	05	15	3370
	3:45 PM	05	30	3711
	4:00 PM	05	45	3856
	4:15 PM	06	00	3957
	4:30 PM	06	15	4055
	4:45 PM	06	30	4104
	5:00 PM	06	45	4147
	5:15 PM	07	00	4173
9-6-80	5:45 PM	07	30	4225
	6:15 PM	08	00	4249
	6:45 PM	08	30	4266
	7:15 PM	09	00	4280
9-6-80	8:15 PM	10	00	4303
	9:15 PM	11	00	4318
	10:15 PM	12	00	4330

CONTINUED ON FOLLOWING PAGE

HOYLE ENERGY CORPORATION
 ST. LE "B" 14 COM. NO. 1
 4-POINT BACK PRESSURE TEST,
 & BOTTOM HOLE PRESSURE BUILD-UP TEST
 TABULATION OF TIMES AND PRESSURES

CONTINUED FROM PRECEEDING PAGE

<u>DATE</u>	<u>TIME</u>	<u>CUM. HRS. / MIN.</u>	<u>PSIG @ 10,726 FEET</u>
9-7-80	12:15 AM	14 HRS. 00 MIN.	4347
	2:15 AM	16 00	4358
	4:15 AM	18 00	4373
	6:15 AM	20 00	4376
9-7-80	11:15 AM	25 00	4390
	4:15 PM	30 00	4399
	9:15 PM	35 00	4408
9-8-80	2:15 AM	40 00	4410
9-8-80	12:15 PM	50 00	4419
	10:15 PM	60 00	4428
9-9-80	8:15 AM	70 00	4434
9-9-80	10:15 AM	72 00	4434 GAUGE OUT; END BUILD-UP END TEST

NOTE: TANDEM BOMBS WERE RUN FOR THIS TEST.
 THE ELEMENTS CHECKED WITHIN 1/10 OF
 1% AS SPECIFIED BY THE MANUFACTURER.

API Well #
30-015-23350

#1 STATE "B" 14 COM
660' FSL & 990' FEL SEC. 14-18S-28E

Hallwood Petroleum

Attachment #9

Wellbore Diagram

