



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

5-12-93

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

6-10-93
Amended DHC-898

RE: Proposed:

MC	_____
DHC	<u>X</u> _____
NSL	_____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

John H. Hendrix Corp. Cessatad 2 #1-C 23-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed

JOHN H. HENDRIX CORPORATION



(915) 684-6631
223 WEST WALL, SUITE 525
MIDLAND, TEXAS 79701

May 6, 1993

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: Mr. David R. Catanach

RE: Downhole Commingling Request
Cossatot "F" No. 1 Lease
Unit C, Section 23, T22S -
R37E, Lea County, New Mexico

Gentlemen:

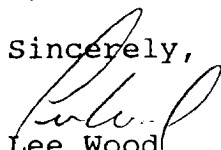
John H. Hendrix Corporation respectfully requests administrative approval to downhole commingle the Drinkard and Wantz Granite Wash production. Approval of this request will protect correlative rights, and encourage the efficient recovery of oil and gas reserves.

Currently the well is dual completed with the Drinkard flowing up the casing and Wantz Granite Wash pumped up the tubing.

By copy of this letter, we are notifying the offset operators of this proposed commingling. If these operators have no objections, we ask that they execute the attached waiver and return two copies to the N.M.O.C.D.

Enclosed is pertinent data supporting this application as outlined in Rule 303-A. If additional information is necessary, please contact me at (915) 684-6631.

Sincerely,


Lee Wood

LW/ah
Enclosures

COSSATOT "F" NO. 1
PERTINENT INFORMATION

- A) John H. Hendrix Corporation
223 W. Wall, Suite 525
Midland, TX 79701
- B) Cossatot "F" No. 1
Unit C, Section 23, T22S - R37E
Lea County, New Mexico
Commingled Zones: Drinkard and
Wantz Granite Wash
- C) A lease plat is attached showing the location of this well. (Exhibit 1)
- D) The Form C-116 is included to show current status of Drinkard Oil Zone and Wantz Granite Wash Zone. (Exhibit 2)
- E) Production decline curves for the Drinkard and Wantz Granite Wash are attached. (Exhibit 3)
- F) Due to the fact the well would be produced in a pumped off condition, it is respectfully requested that the BHP data be waived.
- G) Due to the fact these zones are already commingled in many wells, it is requested that the gas analysis requirements be waived.
- H) Working interest and royalty ownership in the two zones is the same.
- I) The following percentages are suggested based on the analysis of past and current production.

	<u>Anticipated Production</u>			<u>MCFPD</u>
	<u>Oil %</u>	<u>BOPD</u>	<u>Gas %</u>	
Wantz Granite Wash	33%	1	46%	45
Drinkard	67%	2	54%	52
Total	100%	3	100%	97

1. Exhibit 1 2. Exhibit 2 3. Exhibit 3 4. Exhibit 4 5. Exhibit 5 6. Exhibit 6 7. Exhibit 7 8. Exhibit 8 9. Exhibit 9 10. Exhibit 10 11. Exhibit 11 12. Exhibit 12 13. Exhibit 13 14. Exhibit 14 15. Exhibit 15 16. Exhibit 16 17. Exhibit 17 18. Exhibit 18 19. Exhibit 19 20. Exhibit 20 21. Exhibit 21 22. Exhibit 22 23. Exhibit 23 24. Exhibit 24 25. Exhibit 25 26. Exhibit 26 27. Exhibit 27 28. Exhibit 28 29. Exhibit 29 30. Exhibit 30 31. Exhibit 31 32. Exhibit 32 33. Exhibit 33 34. Exhibit 34 35. Exhibit 35 36. Exhibit 36 37. Exhibit 37 38. Exhibit 38 39. Exhibit 39 40. Exhibit 40 41. Exhibit 41 42. Exhibit 42 43. Exhibit 43 44. Exhibit 44 45. Exhibit 45 46. Exhibit 46 47. Exhibit 47 48. Exhibit 48 49. Exhibit 49 50. Exhibit 50 51. Exhibit 51 52. Exhibit 52 53. Exhibit 53 54. Exhibit 54 55. Exhibit 55 56. Exhibit 56 57. Exhibit 57 58. Exhibit 58 59. Exhibit 59 60. Exhibit 60 61. Exhibit 61 62. Exhibit 62 63. Exhibit 63 64. Exhibit 64 65. Exhibit 65 66. Exhibit 66 67. Exhibit 67 68. Exhibit 68 69. Exhibit 69 70. Exhibit 70 71. Exhibit 71 72. Exhibit 72 73. Exhibit 73 74. Exhibit 74 75. Exhibit 75 76. Exhibit 76 77. Exhibit 77 78. Exhibit 78 79. Exhibit 79 80. Exhibit 80 81. Exhibit 81 82. Exhibit 82 83. Exhibit 83 84. Exhibit 84 85. Exhibit 85 86. Exhibit 86 87. Exhibit 87 88. Exhibit 88 89. Exhibit 89 90. Exhibit 90 91. Exhibit 91 92. Exhibit 92 93. Exhibit 93 94. Exhibit 94 95. Exhibit 95 96. Exhibit 96 97. Exhibit 97 98. Exhibit 98 99. Exhibit 99 100. Exhibit 100	1. Exhibit 1 2. Exhibit 2 3. Exhibit 3 4. Exhibit 4 5. Exhibit 5 6. Exhibit 6 7. Exhibit 7 8. Exhibit 8 9. Exhibit 9 10. Exhibit 10 11. Exhibit 11 12. Exhibit 12 13. Exhibit 13 14. Exhibit 14 15. Exhibit 15 16. Exhibit 16 17. Exhibit 17 18. Exhibit 18 19. Exhibit 19 20. Exhibit 20 21. Exhibit 21 22. Exhibit 22 23. Exhibit 23 24. Exhibit 24 25. Exhibit 25 26. Exhibit 26 27. Exhibit 27 28. Exhibit 28 29. Exhibit 29 30. Exhibit 30 31. Exhibit 31 32. Exhibit 32 33. Exhibit 33 34. Exhibit 34 35. Exhibit 35 36. Exhibit 36 37. Exhibit 37 38. Exhibit 38 39. Exhibit 39 40. Exhibit 40 41. Exhibit 41 42. Exhibit 42 43. Exhibit 43 44. Exhibit 44 45. Exhibit 45 46. Exhibit 46 47. Exhibit 47 48. Exhibit 48 49. Exhibit 49 50. Exhibit 50 51. Exhibit 51 52. Exhibit 52 53. Exhibit 53 54. Exhibit 54 55. Exhibit 55 56. Exhibit 56 57. Exhibit 57 58. Exhibit 58 59. Exhibit 59 60. Exhibit 60 61. Exhibit 61 62. Exhibit 62 63. Exhibit 63 64. Exhibit 64 65. Exhibit 65 66. Exhibit 66 67. Exhibit 67 68. Exhibit 68 69. Exhibit 69 70. Exhibit 70 71. Exhibit 71 72. Exhibit 72 73. Exhibit 73 74. Exhibit 74 75. Exhibit 75 76. Exhibit 76 77. Exhibit 77 78. Exhibit 78 79. Exhibit 79 80. Exhibit 80 81. Exhibit 81 82. Exhibit 82 83. Exhibit 83 84. Exhibit 84 85. Exhibit 85 86. Exhibit 86 87. Exhibit 87 88. Exhibit 88 89. Exhibit 89 90. Exhibit 90 91. Exhibit 91 92. Exhibit 92 93. Exhibit 93 94. Exhibit 94 95. Exhibit 95 96. Exhibit 96 97. Exhibit 97 98. Exhibit 98 99. Exhibit 99 100. Exhibit 100
---	---

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator		Pool		County												
John H. Hendrix Corporation		Drinkard		Lea												
Address 223 W. Wall, Suite 525, Midland, TX 79701				TYPE OF TEST - (X) ☒ Scheduled ☐ Completion ☐ Special ☐												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	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 9BLS.	GRAV. OIL		OIL 9BLS.	GAS M.C.F.
Cossatot F	1	C	23	22	37	3/6/93	F	2"	35	M	24	1	41.4	1	50	50000
Exhibit 2																

Instructions:

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 Division.

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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Lee Wood

Printed name and title

5/6/93

(915) 684-6631

Date

Telephone No.

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator		Pool		County												
John H. Hendrix Corporation		Wantz Granite Wash		Lea												
Address		223 W. Wall, Suite 525, Midland, TX 79701		TYPE OF TEST (X)												
LEASE NAME		WELL NO.		DATE OF TEST												
		LOCATION		CHOKE SIZE												
		U S T R		TBG. PRESS.												
				DAILY ALLOW-ABLE												
				LENGTH OF TEST HOURS												
				WATER BBL.S.												
				PROD. DURING TEST												
				GRAV. OIL BBL.S.												
				GAS M.C.F.												
				GAS - OIL RATIO CU.FT/BBL.												
Cossatot "F"	1	C	23	22	37	3/6/93	P	Open	35	M	24	0	39	2	16	18000
																Exhibit 2

Instructions:

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 Division.

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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Lee Wood

Printed name and title

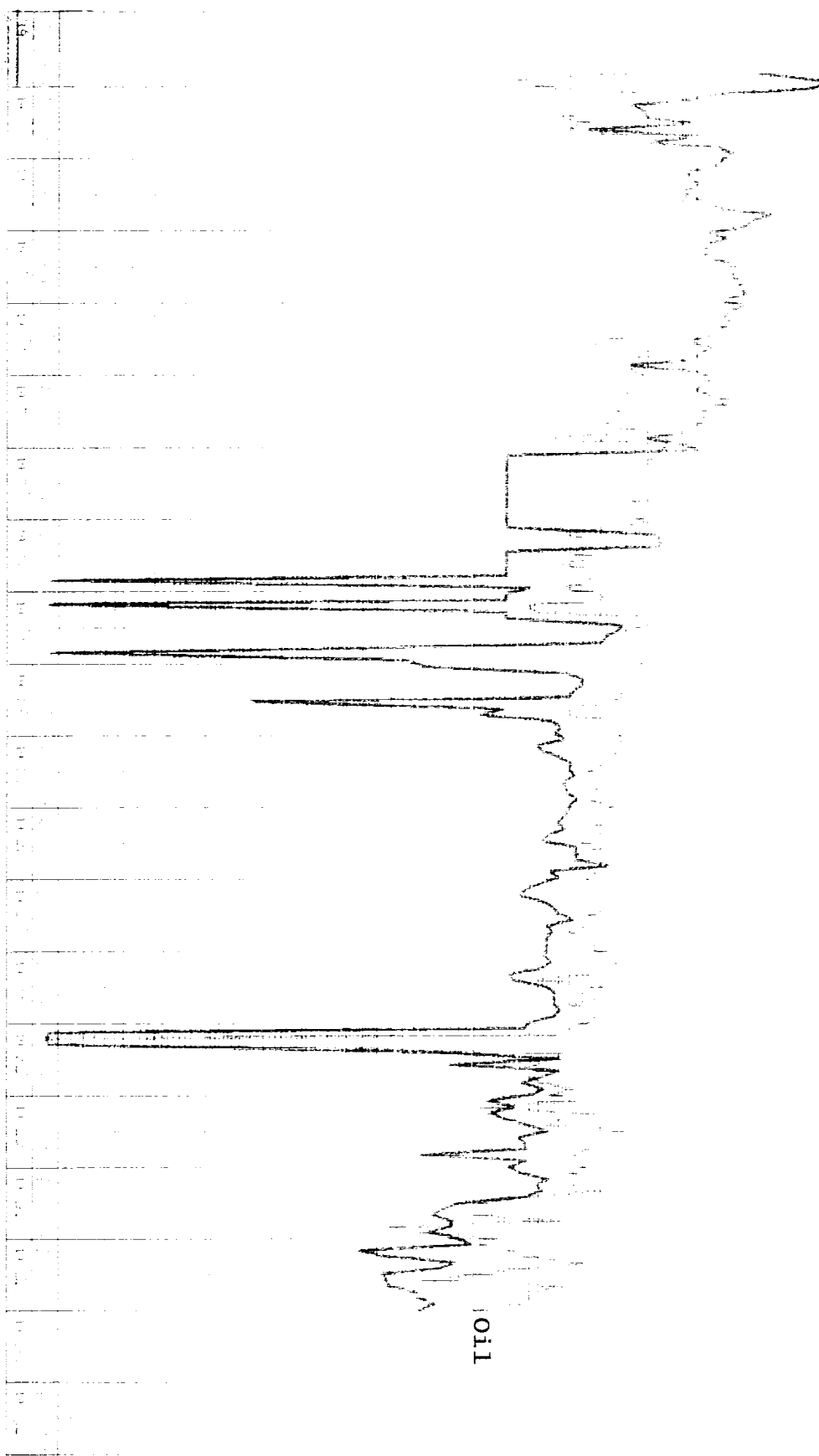
5/6/93

(915)

684-6631

Date

Telephone No.

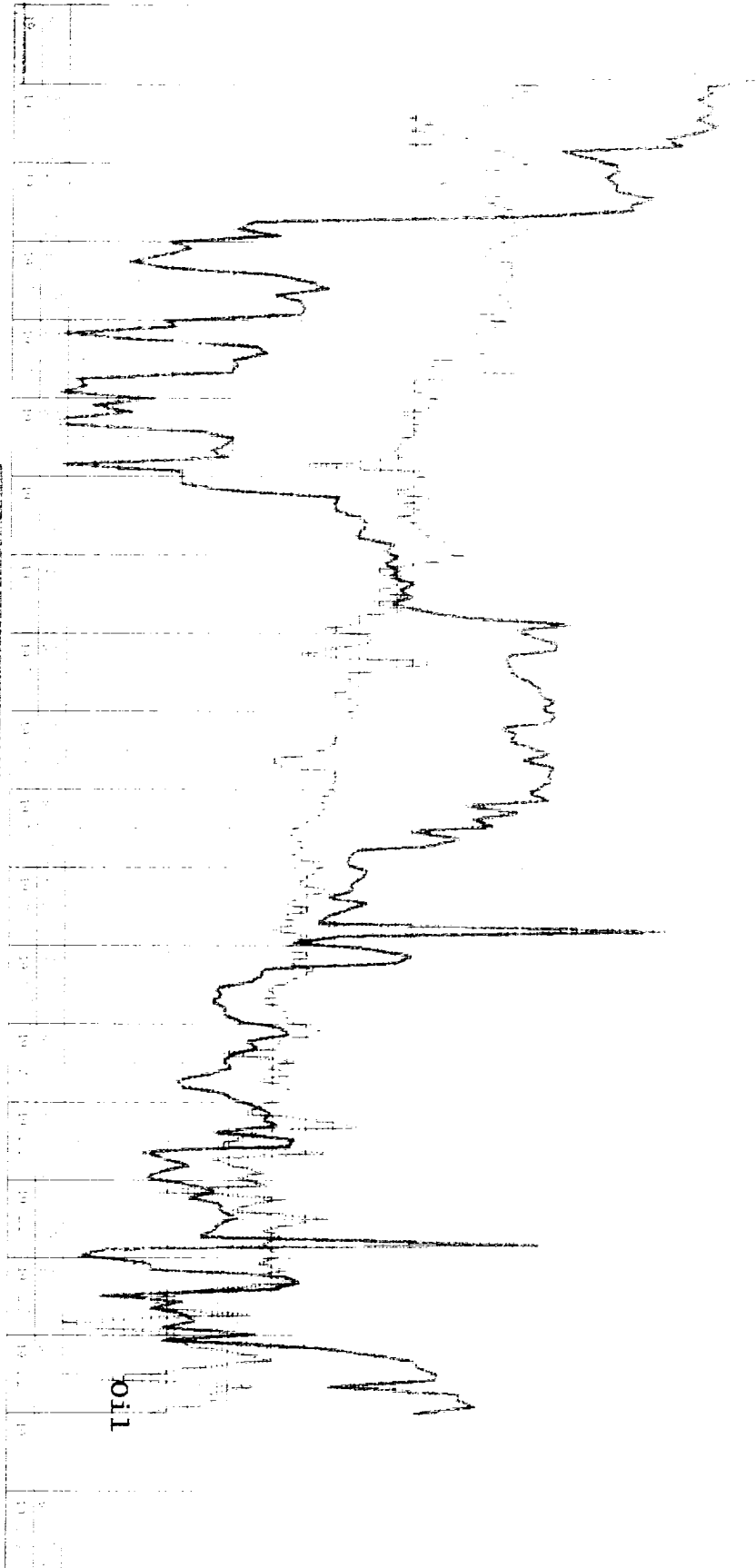


1011

645 (MID-40)

Exhibit 3

100



Oil

Exhibit 3

JOHN H. HENDRIX CORPORATION



(915) 684-6631
223 WEST WALL, SUITE 525
MIDLAND, TEXAS 79701

May 6, 1993

CERTIFIED MAIL

RE: Waiver Request to Downhole
Commingle Drinkard and Wantz
Granite Wash Pools, Cossatot
"F" No. 1, Unit C, Section
23, T22S -R37E, Lea County,
New Mexico

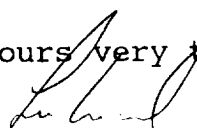
TO: OFFSET OPERATORS

Attached is a copy of John H. Hendrix Corporation's administrative application for N.M.O.C.D. approval to downhole commingle Drinkard and Wantz Granite Wash Pools in our Cossatot "F" No. 1. Approval of this application will promote conservation and encourage the efficient recovery of oil and gas reserves.

As an offset operator, if you do not have any objections to the attached application, please sign the enclosed waivers and mail the two copies to the N.M.O.C.D. in Santa Fe and one copy to the N.M.O.C.D. in Hobbs. We would also request that you send a copy to John H. Hendrix Corporation in Midland. We have enclosed self addressed, stamped envelopes for your convenience.

If you have any questions, please call me at (915) 684-6631. Your prompt consideration in the above matter is appreciated.

Yours very truly,


Lee Wood

Attachments

May 6, 1993

RE: Request to Downhole
Commingle (Cossatot "F" #1)
Drinkard and Wantz Granite
Wash Pools, Unit C, Section
23, T22S -R37E, Lea County,
New Mexico

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: David R. Catanach

As an offset operator, the undersigned has no objection to the John H. Hendrix Corporation application to the downhole commingling of the Drinkard and Wantz Granite Wash Pools in the captioned well bore.

Approved By: _____

Representing: _____

Date: _____

OFFSET OPERATORS TO
JOHN H. HENDRIX CORPORATION'S
COSSATOT "F" NO. 1

Chevron USA Inc.
P. O. Box 670
Hobbs, NM 88240

Mobil Exploration & Producing USA, Inc.
P. O. Box 633
Midland, TX 79702

Amerada Hess Corporation
Drawer D
Monument, NM 88265

Conoco, Inc.
#10 Desta Drive
Midland, TX 79705-4500