DISTRICT I

P.O. Box 1980, Hobbs, NM 88240 <u>DISTRICT II</u> 811 South First St., Artesia, NM 88210 <u>DISTRICT III</u> 1000 Rio Brazos Rd, Artes, NM 87410

State of New Mexico Energy, Minerals and Natural-Resources Department OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fa, New Mexico 87505-6429 Form C-107-A New 3-12-96 APPROVAL PROCESS: X Administrative ______Hearing EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

X YES NO Texaco Exploration & Production Inc. 205 E. Bender; Hobbs, NM 88240 New Mexico "O" State NCT-1 # 37 I-36-17S-34E Lea Unit LU. - Sec - Twp - Hoe OGRID NO. _____ C 50015 11048 Spacing Unit Lasie Types: (check 1 or more) Property Code API NO. 30 025 32450 , State X Federal . land/or) Fee The following facts are submitted in support of downhole commingling: Zone Intermediate Zones Lower Zone 1. Pool Name and Pool Code Vacuum Blinebry Vacuum Drinkard 2. Top and Bottom of Pay Section (Perforations) 6396'-7162' 7503'-7918' 3. Type of production (Oil or Gas) 011 011 4. Method of Production (Flowing or Artificial Lift) Artificial Lift Artificial Lift 5. Bottomhole Pressure a. (Current) Oil Zones - Artificial Lift: Estimated Current a. 2409 psi a. 149) psi Gas & Oil - Flowing: Measured Current b. (Original) All Gas Zones: Estimated Or Measured Original ь. ь. NA NA 6. Oil Gravity (°API) or Gas BTU Content 36.1° 36.7° 7. Producing or Shut-In? To be completed Producing Production Marginal? (yes or no) Yes Yes If Shut-In, give date and oil/gas/ water rates of last production Date: New Zone Date: Date Rates: (See Attached) Bates: Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data NA Rates: If Producing, give date andoil/gas/ water rates of recent test (within 60 days) Date: Date: Date: 5/96 Rates: Rates Rates: 31 B(), 0 BW, NA 175 MCF, 24 hours 8. Fixed Percentage Allocation Formula -% for each zone Oil: 45 % Gas: Oil: Gas: 12 % Oil: 55%, Gas: 28 % % % 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. 9. 10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? Have all offset operators been given written notice of the proposed downhole commingling? $\frac{X}{X} \frac{Y es}{Y es} \frac{No}{No}$ 11. Will cross-flow occur? Yes X 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. X Yes No (If No, attach explanation) 12. Are all produced fluids from all commingled zones compatible with each other? X Yes No 13. Will the value of production be decreased by commingling? _ Yes <u>_x</u> 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 NA 15. NMOCD Reference Cases for Rule 303(C) Exceptions: ORDER NO(S). NONE 16. ATTACHMENTS:

 C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 Production curve for each zone for at least one year. (If not available, attach explaination.)
 For zones with no production history, estimated production rates and supporting data.
 Data to support allocation method or formula.

Notification list of all offset operators. Data to support allocation method or formula. 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 _____TITLE ______CD_ CNG. __ DATE __ 6/25/96 TYPE OR PRINT NAME Darrell J. Carriger _ TELEPHONE NO. (505) 397-0426

Attachments

1. C-102 plats: A C-102 for each zone is attached

2. Production curve for each zone: A production curve for the Vacuum Erinkard is attached. However, because the Vacuum Blinebry is a new zone, the production had to be estimated from offset performance. Attached is a production curve from two Blinebry wells located in Unit letter K & L of the same section, township, and range, of the subject well. The two wells are the State "I" and the State "VB".

3. Estimated production rates: The plot described in item #2 above shows that production rates will probably begin around 40 BOPD for one month and ther quickly fall to a steadier 25 BOPD. Allocation percentages for the subject well were determined using the 25 BOPD.

4. Data to support allocation method: The production plot described in item #2 above was used to estimate well performance (25 BOPD, 25 MCFPD) and determine an allocation split as follows:

Vacuum Vacuum		BOPD 31 <u>25</u>	MCFPD 175 <u>25</u>
TOTAL:		56 BOF	200 MCFPD
Therefore: %	Drinkard Oil - 55% Drinkard Gas - 889	_	Blinebry Oil - 45% Blinebry Gas - 12

5. Attached is a list of all offset operators and their addresses

6. Working, overriding & royalty interests are all common for the Vacuum Drinkard and the Vacuum Blinebry zones (same school).

7. Additional information: Bottomhole pressures were acquired from the following:

Vacuum Drinkard: New Mexico "O" State #38 (new well): Pressure tested zone while drilling (offset Drinkard)

Vacuum Blinebry: Marathon's Warn State Acc-2 #25 (offset Blinebry)



Production



вмьо ворр WCEPD

YEARS

Offset Operators

Marathon PO Box 552 Midland, TX 79702

Phillips Petroleum 4001 Penbrook Odessa, TX 79763

Mobil Oil Co PO Box 633 Midland, TX 79702

Shell PO Box 576 Houston, TX 77001

Amerada Hess PO Box 2040 Houston, TX 77252

Submit to Appropriate District Office State Lasse - 4 copies	Er v,	Form C Revised					
Fee Lasse - 3 copies DISTRICT I			ATION DIVIS 30x 2088	ION	•		
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P.O. Box 1980, Hobbs, NM 88241-1980 DISTRICT II P.O. Box Drawer DD, Artesia, NM 88211-0719 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV P.O. Box 2088, Santa Fe, NM 87504-2088

Energy, Minerals and Natural Resources Depart - nt

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Fievised February 10,1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies AMENDED REPORT

			WEL		ON AND A	ACRE	AGE DEDICAT	ION P	PLAT			ED REPORT
	API Nu 30-025		² Pool Code ³ Pool Name									
4	_		61850 VACUUM BLINEBRY									
	Property 0 011048		⁵ Property Name ⁶ Well NEW MEXICO O STATE NCT-1									
7 0	GRID Nun						r Name				9 5	37
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	¹⁰ Surface Location											
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¹¹ Bottom Hole Location If Different From Surface												
UI or lot no.	Section	Township	Range	Lot.ldn	Feet From	The	North/South Line	Feet	From The	EastA	West Line	County
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