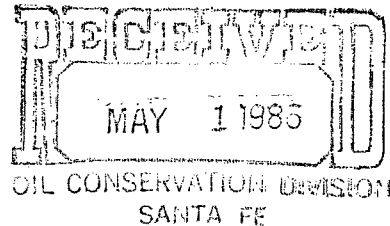


Lynx Petroleum Consultants, Inc.

P. O. Box 1666
3325 Enterprise Drive
Hobbs, New Mexico 88240
505 392-6950

April 23, 1986



New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501
Attention Mr. Richard L. Stamets

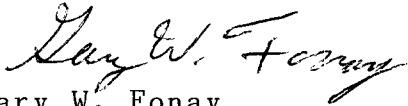
Re: Request to Downhole Commingle Production
In the Queen and Paddock Formations
In the Geraldine Doughty No. 1
Section 25, T-16S, R-36E,
Lea County, New Mexico

Dear Mr. Stamets:

The referenced well was recently tested in the Queen. The original C-102 indicated a 160-acre proration unit for the Queen zone. After testing the well proved to be oil rather than gas productive, and a new C-102 has been submitted indicating a 40-acre spacing. Ownership in the wellbore will now be common in both the Paddock and Queen zones. I have enclosed what I believe to be sufficient information to allow administrative approval to downhole commingle the well.

Please notify us if further information is needed. Thank you very much.

Sincerely,
Lynx Petroleum Consultants, Inc.


Gary W. Fonay

enclosures

/sb

APPLICATION FOR DOWNHOLE COMMINGLING

GERALDINE DOUGHTY NO. 1
Queen and Paddock Zones

- a. Operator: Lynx Petroleum Consultants, Inc.
P. O. Box 1666
Hobbs, NM 88241
- b. Well: Geraldine Doughty No. 1
2100' FWL & 1650' FSL
Section 25, T-16S, R-36E
Lea County, New Mexico
- c. Zones: Lovington (Paddock)
Undesignated (Queen)
- d. Tests: See attached.
- e. Decline curve for the Paddock is attached.
Completion report for the Queen is attached,
as is test data.
- f. Estimated BHP for Paddock = 1800 psi.
Estimated BHP for Queen = 1400 psi.
- g. Although a lab analysis of each zone's fluid is not available, field review of these fluids indicates compatability would not be a problem.
- h. Oil price is the same for both zones; therefore, there will be no reduction in revenue.
- i. Attached is a return slip showing that this application has been received by Texaco, Inc., the only offset producer as shown on the map.

16306 - Paddock
4002 - Queen

GAS-OIL RATIO TESTS

Operator		County		Lea													
Lynx Petroleum Consultants, Inc.		Pool Lovington (Paddock)		Undesignated (Queen)													
Address		TYPE OF TEST - (X)		Completion		Special											
P. O. Box 1666, Hobbs, NM 88241		DATE OF TEST		CHOKES SIZE		T.B.G. PRESS.											
LEASE NAME	WELL NO.	LOCATION			DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL							
		U	S	T			A	WATER BBL'S.	GRAV. OIL		OIL BBL'S.	GAS M.C.F.					
Geraldine Doughty (Paddock)	1	K	25	16S	36E	1/12/86	P				13	24	10	36	7	TSTM	--
Geraldine Doughty (Queen)	1	K	25	16S	36E	3/20/86	P					24	8	36	3	TSTM	--

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 Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.023 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 Division 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.

Larry W. Ferry
(Signature)

Vice-President

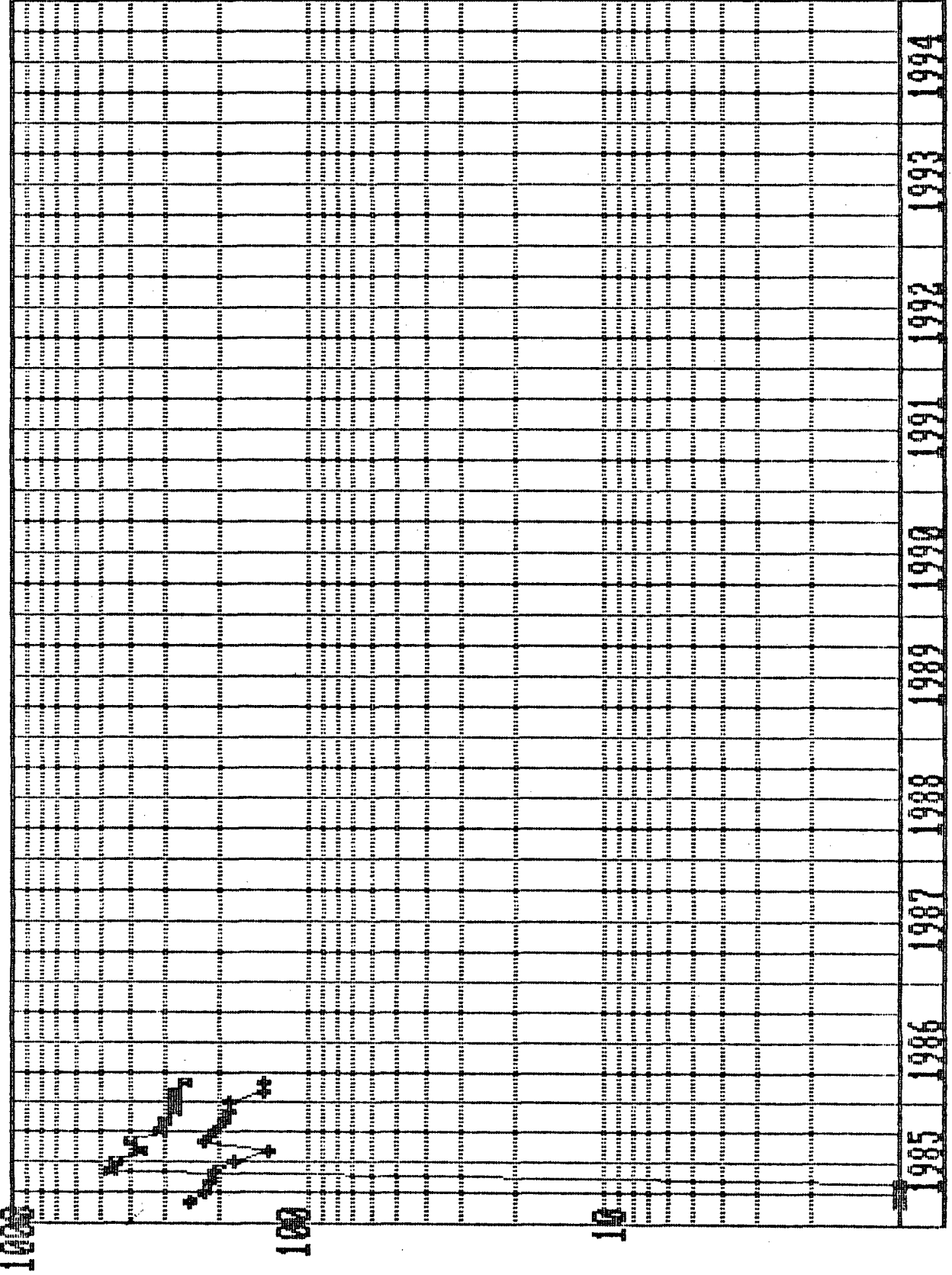
(Title)

04/25/86

(Date)

Lovington (Paddock)
Geraldine Doughty No. 1
Sec. 25, T-16S, R-36E
Lea County, New Mexico

GERALD Oil: + Gas: ▲ Water: ■



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

10. TYPE OF WELL		7. Unit Agreement Name	
a. TYPE OF COMPLETION NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☒ OTHER ☐		8. Farm or Lease Name Geraldine Doughty	
2. Name of Operator Lynx Petroleum Consultants, Inc.		9. Well No. 1	
3. Address of Operator P. O. Box 1666, Hobbs, NM 88241		10. Field and Pool, or Wildcat Wildcat (Queen)	
4. Location of Well		12. County	
UNIT LETTER <u>K</u> LOCATED <u>2100</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>25</u> TWP. <u>16S</u> RGE. <u>36E</u> NMPM		Lea	
15. Date Spudded 10/30/84	16. Date T.D. Reached 11/12/84	17. Date Compl. (Ready to Prod.) 2/20/86	18. Elevations (DF, RKB, RT, GR, etc.) 3855 DF
19. Elev. Casinghead 3843	20. Total Depth 6360	21. Plug Back T.D. 6320	22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐			24. Producing Interval(s), of this completion - Top, Bottom, Name 3988-4002 Wildcat (Queen)
25. Type Electric and Other Logs Run GR-CNL-LD, GR-DLL-MSFL, GR-CBL			26. Was Directional Survey Made No
27. Was Well Cored No			

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	2100	12 1/4	975 sx Circ 175	
5 1/2"	15.5 & 17#	6360	7 7/8	790 sx TOC 3000	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number) 3988-4002 w/1SPF	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	3988-4002	750 gals 15% HCl NE Fe,
		190 gals gel wtr, 20000 ga
		50-50 gel CO ₂ + 30000# sd,
		1000 gals 50-50 gel CO ₂

33. PRODUCTION							
Date First Production 3/05/86		Production Method (Flowing, gas lift, pumping - Size and type pump) Pump				Well Status (Prod. or Shut-in) Prod.	
Date of Test 3/30/86	Hours Tested 24	Choke Size --	Prod'n. For Test Period	Oil - Bbl. 3	Gas - MCF TSTM	Water - Bbl. 8	Gas - Oil Ratio --
Flow Tubing Press. --	Casing Pressure 15 psi	Calculated 24-Hour Rate	Oil - Bbl. 3	Gas - MCF TSTM	Water - Bbl. 8	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented	Test Witnessed By Shields
--	------------------------------

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Lynx W. Foreman TITLE Vice-President DATE 04/15/86

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Alake _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 3985	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 4462	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4700	T. Simpson _____	T. Gallup _____	T. Ignacio Qute _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____ 6055	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 3987 _____ to _____ 4005 _____	No. 4, from _____ to _____
No. 2, from _____ 6161 _____ to _____ 6306 _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2050	2050	Caliche & Red Bed				
2050	2200	150	Anhydrite				
2200	3000	800	Salt & Anhydrite				
3000	4462	1462	Sand & Lime				
4462	6363	1901	Lime				

RECEIVED
APR 16 1986
HOEBS OFFICE

GERALDINE DOUGHTY NO. 1

Well pumping as follows:

<u>Date</u>	<u>BO</u>	<u>BW</u>
3/20/86	3	8
3/21/86	2	6
3/22/86	2	6
3/23/86	2	7
3/24/86	2	6
3/25/86	2	6
3/26/86	1	7
3/27/86	2	8
3/28/86	1	8
3/29/86	1	7
3/30/86	2	9
3/31/86	2	8
4/01/86	1	8
4/02/86	2	9
4/03/86	2	10
4/04/86	2	9
4/05/86	1	9
4/06/86	2	10
4/07/86	2	9
4/08/86	2	10

$1\frac{1}{2}$ $7\frac{1}{2}$
 $82\frac{1}{2}$ $17\frac{1}{2}$

[illegible]

PS Form 3811, July 1983 447-945

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.	
1. ☐ Show to whom, date and address of delivery	
2. ☐ Restricted Delivery	
3. Article Addressed to: J. D. Glenn Texaco, Inc. Box 3109 Midland, TX 79702	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 119 159 332
Always obtain signature of addressee or agent and DATE DELIVERED	
5. Signature - Addressee X	
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery APR 23 1986	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

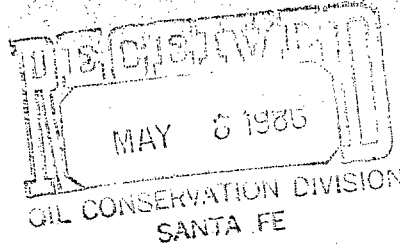


TONEY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

May 6, 1986

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161



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

RE: Proposed:

MC _____
DHC XXXX _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

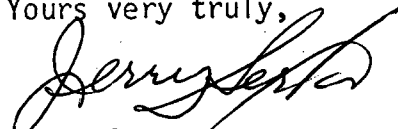
I have examined the application for the:

Lynx Pet. Consultants, Inc.	Geraldine Doughty #1-K	25-16-36
Operator	Lease & Well No. Unit	S-T-R

and my recommendations are as follows:

OK -- Jerry Sexton

Yours very truly,


Jerry Sexton
Supervisor, District 1

/mc