

ABOVE THIS LINE FOR DIVISION USE ONLY

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**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

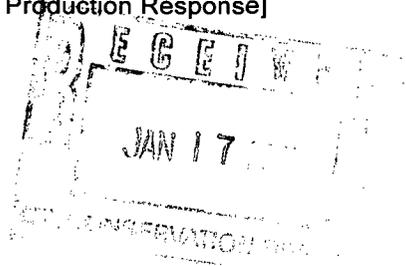
**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

2873



[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling  
 NSL    NSP    DD    SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement  
 DHC    CTB    PLC    PC    OLS    OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX    PMX    SWD    IPI    EOR    PPR

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox		Regulatory Agent	1/11/01
Print or Type Name	Signature	Title	Date

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241 1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-A  
New 3-12-96

DISTRICT II  
811 South First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

Administrative  Hearing

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

YES  NO

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease State E Well No #14 Unit Ltr Sec Twp Rge Section 17, T-22-S, R-36-E, P County Lea

OGRID NO. 005073 Property Code 003104 API NO. 30-025-30516 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 Zone	Lower Zone
1. Pool Name and Pool Code	Wildcat Abo		Langley Strawn (37090)
2. TOP and Bottom of Pay Section (Perforations)	7801-8798'		9066-9530'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) EST 2720 psig	a.	a. Est 400 psig
	b(Original) Est 2720 psig	b.	b. 3036 psig
6. Oil Gravity (°API) or Gas BT Content	Est 42		46
7. Producing or Shut-In?	To be completed		Producing
Production Marginal? (yes or no)	Expected Yes		Yes
• If Shut-In give date and oil/gas/water rates of last production  Note For new zones with no production history applicant shall be required to attach production estimates and supporting data  • If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Production Allocated by Subtraction - See Attached table	Date Rates	September 2000 12 BOPD, 31 MCFD, 4 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

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 others  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
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) \_\_\_\_\_
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 explanation.)  
 \* 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.  
 \* 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 Kay Maddox TITLE Regulatory Agent DATE January 11, 2000

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

# State E #14

Field: Langley Strawn

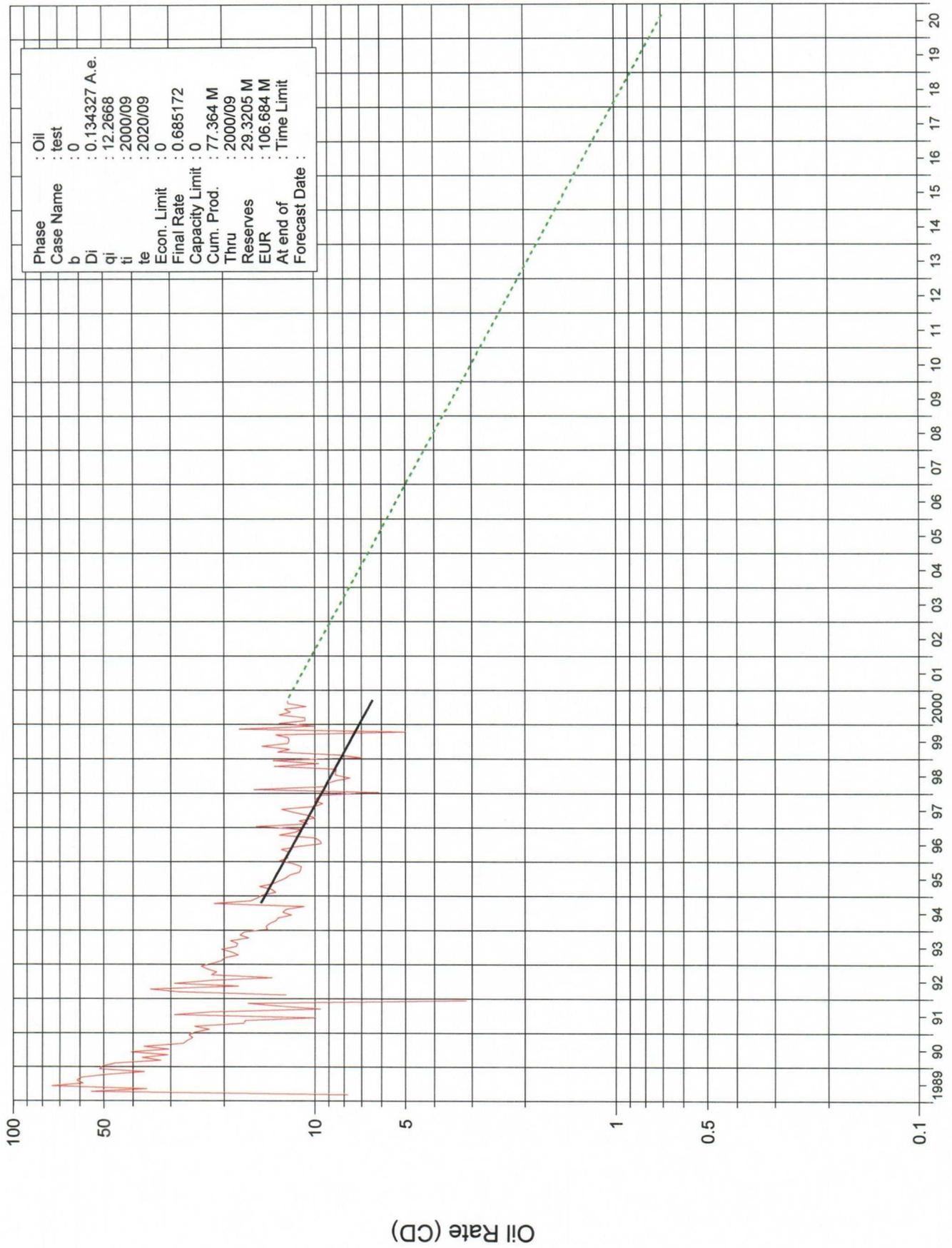
Assumptions:

Decline Rate - 13.4327% Annual Effective

Gas-Liquid Ratio - 2500 scf/bbl

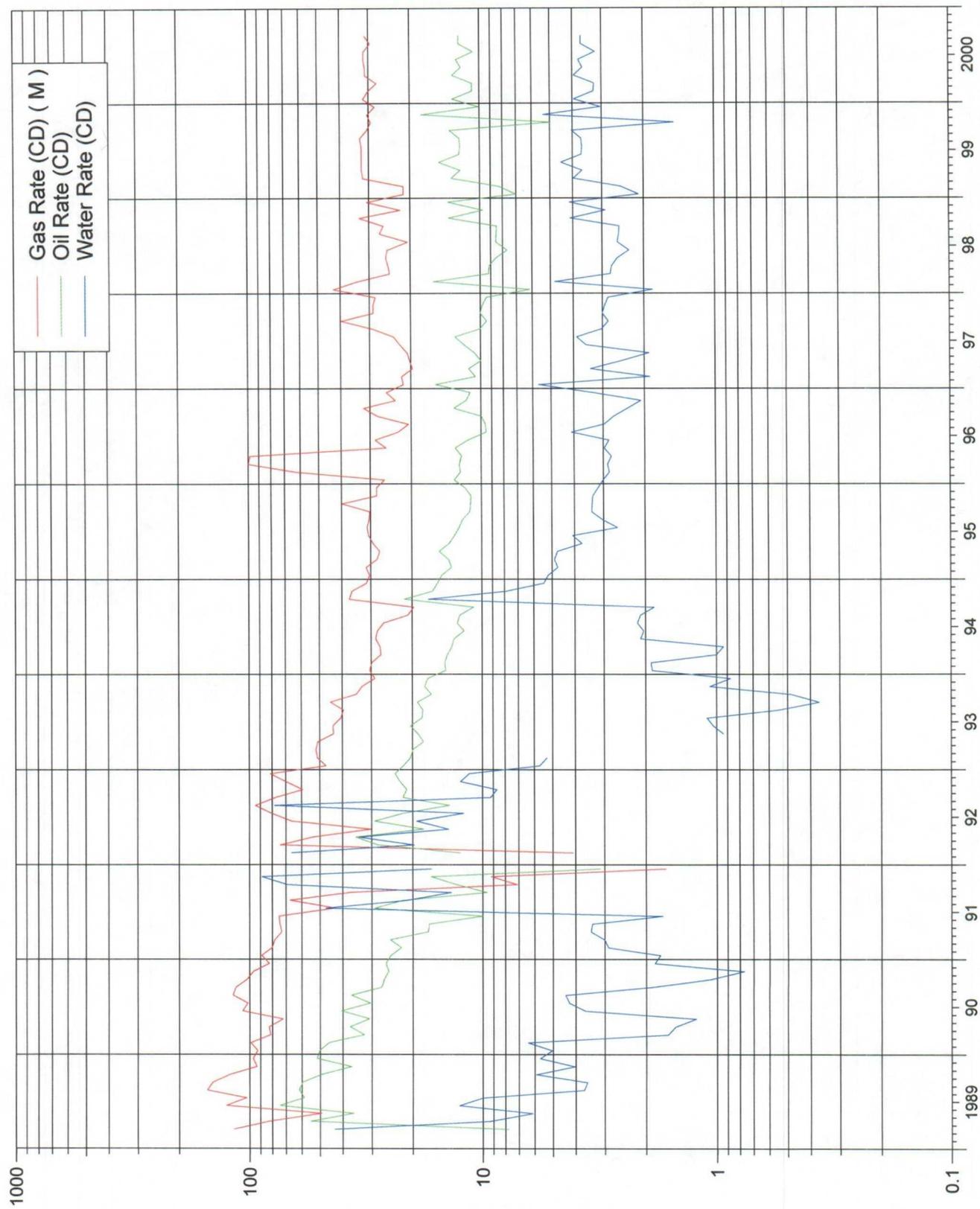
<u>Year</u>	Average Oil Rate (bopd)	Average Gas Rate (mcf/d)
2001	11.0	27.5
2002	9.5	23.9
2003	8.3	20.6
2004	7.2	17.9
2005	6.2	15.5
2006	5.4	13.4
2007	4.6	11.6
2008	4.0	10.0
2009	3.5	8.7
2010	3.0	7.5
2011	2.6	6.5
2012	2.3	5.6
2013	2.0	4.9
2014	1.7	4.2
2015	1.5	3.7
2016	1.3	3.2
2017	1.1	2.8
2018	1.0	2.4
2019	0.8	2.1
2020	0.7	1.8

# STATE E 14:PS



Phase : Oil  
Case Name : test  
b : 0  
Di : 0.134327 A.e.  
qi : 12.2668  
ti : 2000/09  
te : 2020/09  
Econ. Limit : 0  
Final Rate : 0.685172  
Capacity Limit : 0  
Cum. Prod. : 77.364 M  
Thru : 2000/09  
Reserves : 29.3205 M  
EUR : 106.684 M  
At end of : Time Limit  
Forecast Date :

STATE E 14:PS



Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
**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-105  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

WELL API NO.  
 30-025-30516

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.  
 B-1536

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. Type of Completion: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER \_\_\_\_\_

2. Name of Operator  
 Conoco Inc.

3. Address of Operator  
 P.O. Box 460, Hobbs, NM 88240

7. Lease Name or Unit Agreement Name  
 State E

8. Well No.  
 #14

9. Pool name or Wildcat  
 Langley Strawn

4. Well Location  
 Unit Letter P : 330' Feet From The South Line and 660' Feet From The East Line  
 Section 17 Township 22S Range 36E NMPM Lea County

10. Date Spudded 1/23/89 11. Date T.D. Reached 2/14/89 12. Date Compl. (Ready to Prod.) 5/23/89 13. Elevations (DF & RKB, RT, GR, etc.) 3536' GL 14. Elev. Casinghead 3537'

15. Total Depth 9700' 16. Plug Back T.D. 9650' 17. If Multiple Compl. How Many Zones? - 18. Intervals Drilled By Rotary Tools All Cable Tools None

19. Producing Interval(s), of this completion - Top, Bottom, Name  
 Langley Strawn 9066 - 9530'

20. Was Directional Survey Made  
 yes

21. Type Electric and Other Logs Run  
 Gamma Ray - MSFL - LLD, Gamma Ray - CNL - FDC, Mud logs

22. Was Well Cored  
 NO

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5 #	1365'	17 1/2"	1300 SKS Class "C"	280 SKS
8 3/8"	32 #	1645'	11"	1800 SKS Class "C"	250 SKS

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5 1/2"	6080	9700	900 SKS	NA	2 1/8"	9558'	NA

26. Perforation record (interval, size, and number)  
 Langley Strawn  
 9066-76' 9200-20' 9460-9530'  
 9082-9102' 9270-96'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9460-9530	130 Bbls 15% HCL & 10,000 gals X-LINK-A
9200-9296	120 Bbls 15% HCL
9066-9102	90 Bbls 15% HCL

**PRODUCTION**

28. Date First Production 3/7/89 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) Prod.

Date of Test 3-10-89 Hours Tested 24 Choke Size 40/64 Prod'n For Test Period Oil - Bbl. 137 Gas - MCF 234 Water - Bbl. 0 Gas - Oil Ratio 1710

Flow Tubing Press. 55 PSI Casing Pressure 50 PSI Calculated 24-Hour Rate Oil - Bbl. 137 Gas - MCF 234 Water - Bbl. 0 Oil Gravity - API - (Corr.) 46

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
 Selling to Phillips

Test Witnessed By  
 CONOCO

30. List Attachments

31. 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

Signature W. W. Baker Printed Name W. W. BAKER Title Adm. Supervisor Date 6-21-89

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

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

All distances must be from the outer boundaries of the Section

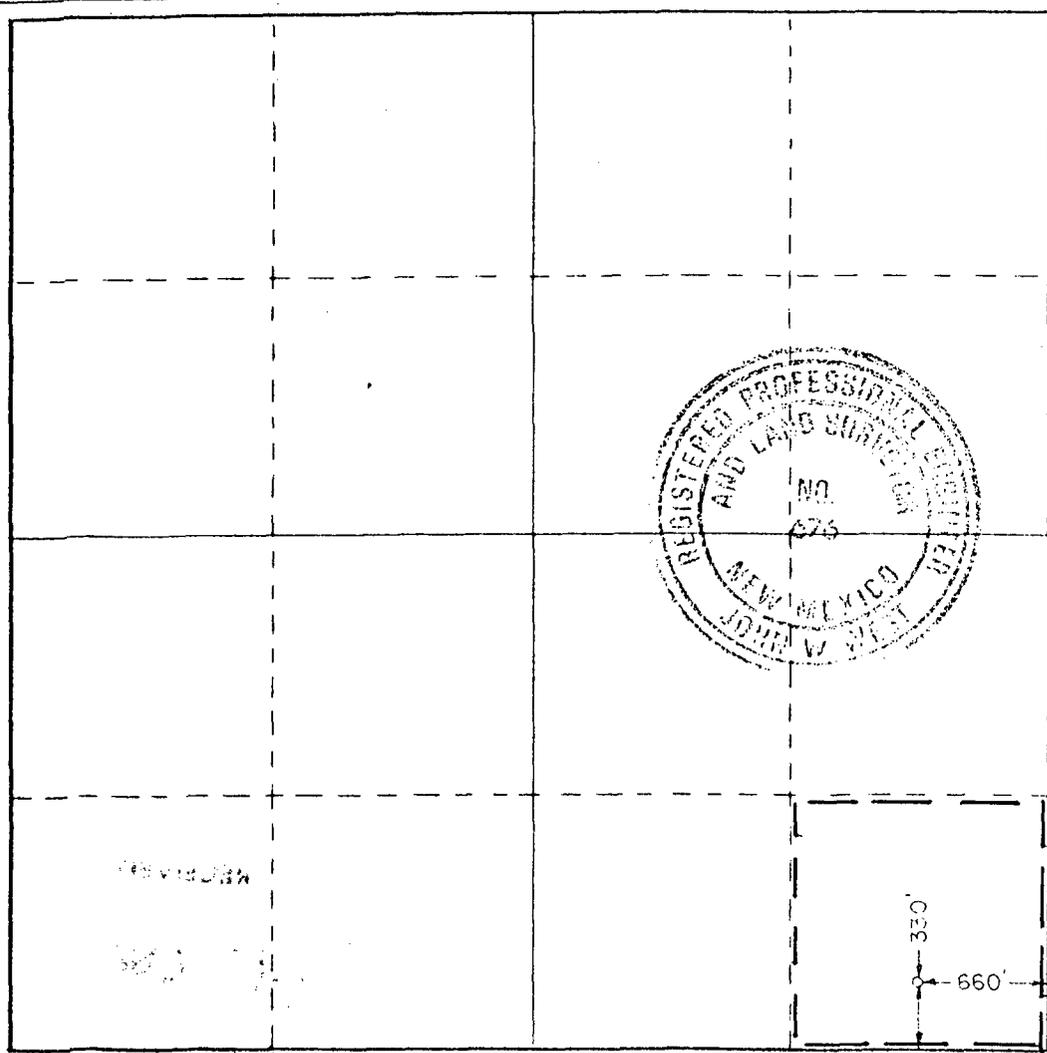
Operator CONOCO, INC.		Lessee STATE "P"			Well No. 14
Unit Letter P	Section 17	Township 22 SOUTH	Range 36 EAST	County LEA	
Actual Location of Well: 330 feet from the SOUTH line and 660 feet from the EAST line					
Groundlevel Elev. 3536.0	Producing Formation Strawn	Pool Langley Strawn		Dedicated Acreage 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 \_\_\_\_\_

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.



CERTIFICATION

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

*[Signature]*  
D.F. Finney  
Adm. Supervisor

Conoco Inc.

12/1/88

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  
November 18, 1988

Registered Professional Engineer and Land Surveyor

*[Signature]*  
Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON, 3239

District I  
PO Box 1980, Hobbs, NM 88241 1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 1994

Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

' Operator Name and Address. Conoco Inc 10 Desta Dr. Ste. 100W Midland, Tx. 79705-4500		' OGRID No_ 005073
		' API Number 30 - 0025-30516
' Property Code 003104	' Property Name State E	' Well No. #14

' Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	22S	36E		330	South	660	East	Lea

s Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
' Proposed Pool 1 Wildcat Abo					" Proposed Pool 2				

" Work Type Code 16 Multiple	" Well Type Code 17 Proposed Depth	" Cable/Rotary 18 Formation	" Lease type Code 19 Contractor	14 Ground Level Elevation 3536'
				20 Spud Date

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
Same as original					

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. POOH w/artificial lift equipment
2. RIH w/RBP and set @ 8850'
3. Perforate Abo from 8744-8798' OA
4. Breakdown perfs, stimulate and test zone
5. Reset RBP @ 7875'
6. Perforate Abo from 7801-7815'
7. Breakdown, stimulate, and test zone
8. POOH w/RBP
9. RIH w/pumping equipment.
10. Put Well on Production
11. Downhole commingle Langley Strawn and Abo upon approval of DHC application Order

Conoco proposes to recomple this well to the ABO using stated procedure

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

Signature: 

Printed name: Kay Maddox

Title: Regulatory Agent

Date: January 11, 2001

Phone: (915) 686-5798

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: Expiration Date:

Conditions of Approval:  
Attached

District I  
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

instructions on back

District II  
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088

State Lease - 4 Copies

Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

District IV  
PO Box 2088, Santa Fe. NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-30516		2 Pool Code		3 Pool Name Wildcat Abo			
4 Property Code 003104		5 Property Name State E				6 Well Number #14	
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500				9 Elevation 3536'	

10 Surface Location

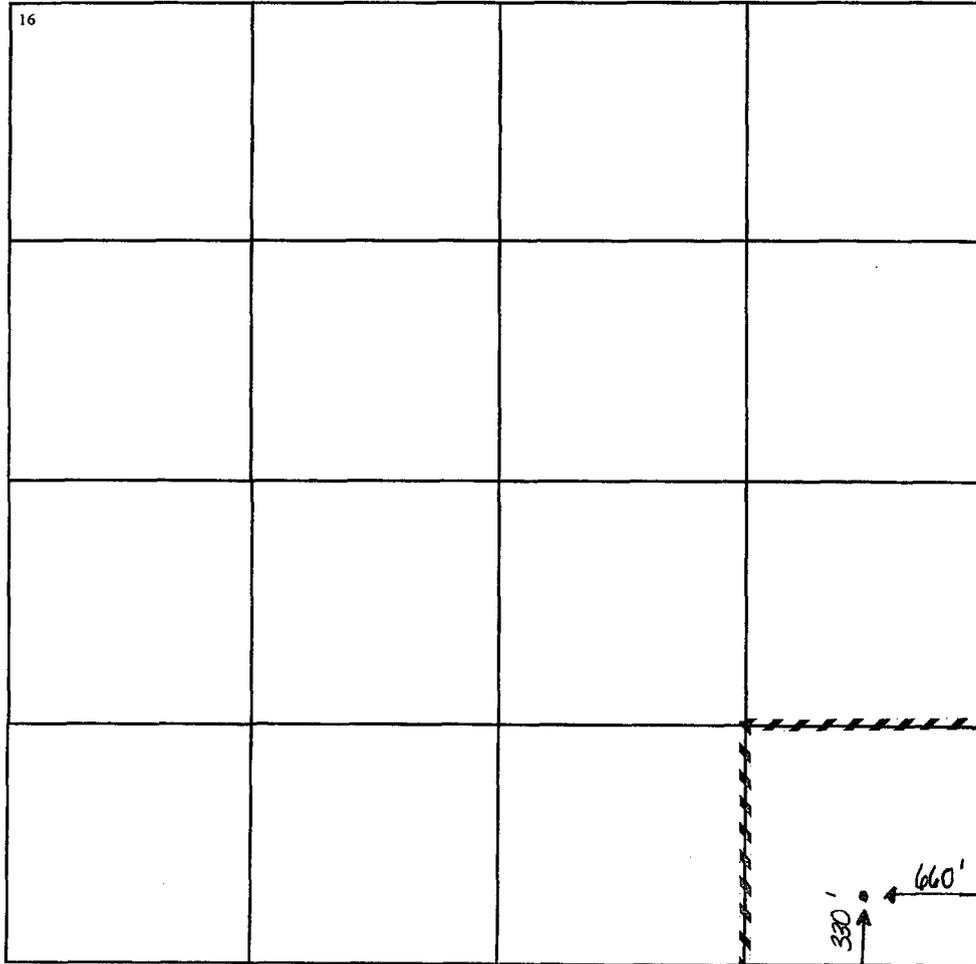
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	22S	36E		330	South	660	East	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



**17 OPERATOR CERTIFICATION**

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

*Kay Maddox*  
Signature  
Kay Maddox  
Printed Name  
Regulatory Agent  
Title  
January 3, 2001  
Date

**18 SURVEYOR CERTIFICATION**

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 belief.

Date of Survey  
Signature and Seal of Professional Surveyor:

Certificate Number



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

1/16/01

Lori Wrotenbery
Director
Oil Conservation Division

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

RE: Proposed:
MC
DHC [X]
NSL
NSP
SWD
WFX
PMX

Gentlemen:

I have examined the application for the:

Conoco Inc State E #14-P-17-22s-36e
Operator Lease & Well No. Unit S-T-R API# 30-025-30516

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1