

DATE IN 1/17/01	SUSPENSE 2/6/01	ENGINEER DC	LOGGED BY KW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

102250309

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]

2813

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

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

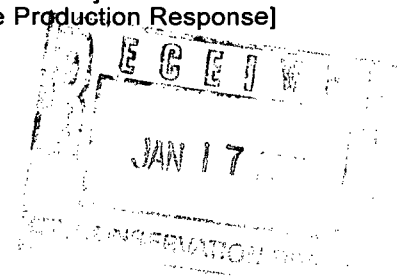
Check One Only for [B] and [C]

[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
Print or Type Name

Signature

Kay Maddox

Title

Regulatory Agent

1/11/01
Date

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

DISTRICT II
811 South First St. Artesia NM 88210 2835

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Operator

Address

State E

#14

Section 17, T-22-S, R-36-E, P

Lea

Lease

Well No

Unit Ltr Sec Twp Rge

County

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 b(Original) Est 2720 psig	a. b.	a. Est 400 psig 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 should be required to attach production estimates and supporting data	Date Rates	Date Rates:	Date Rates
• If Producing, date and oil/gas/ water rates of recent test (within 60 days)	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

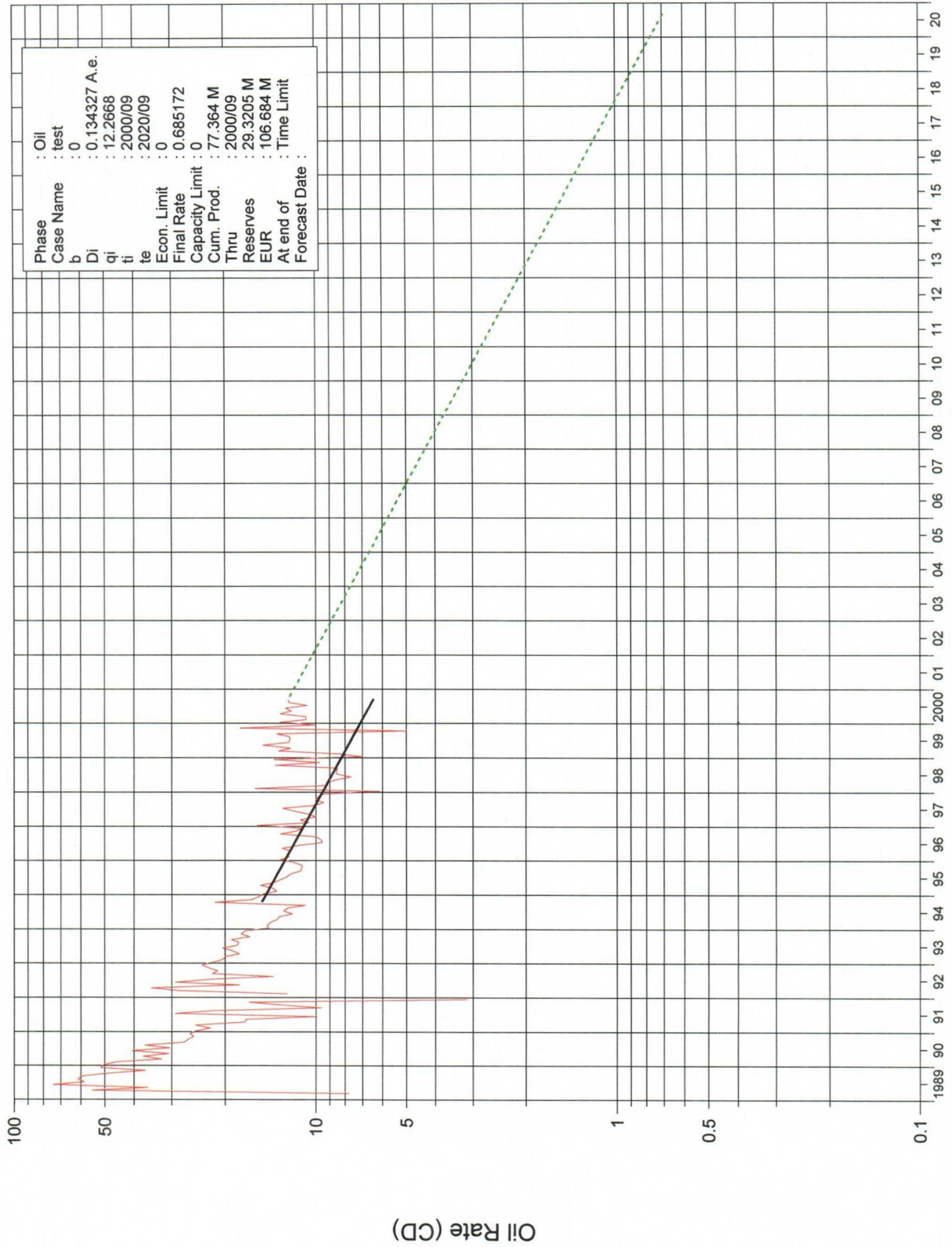
Assumptions:

Decline Rate - 13.4327% Annual Effective

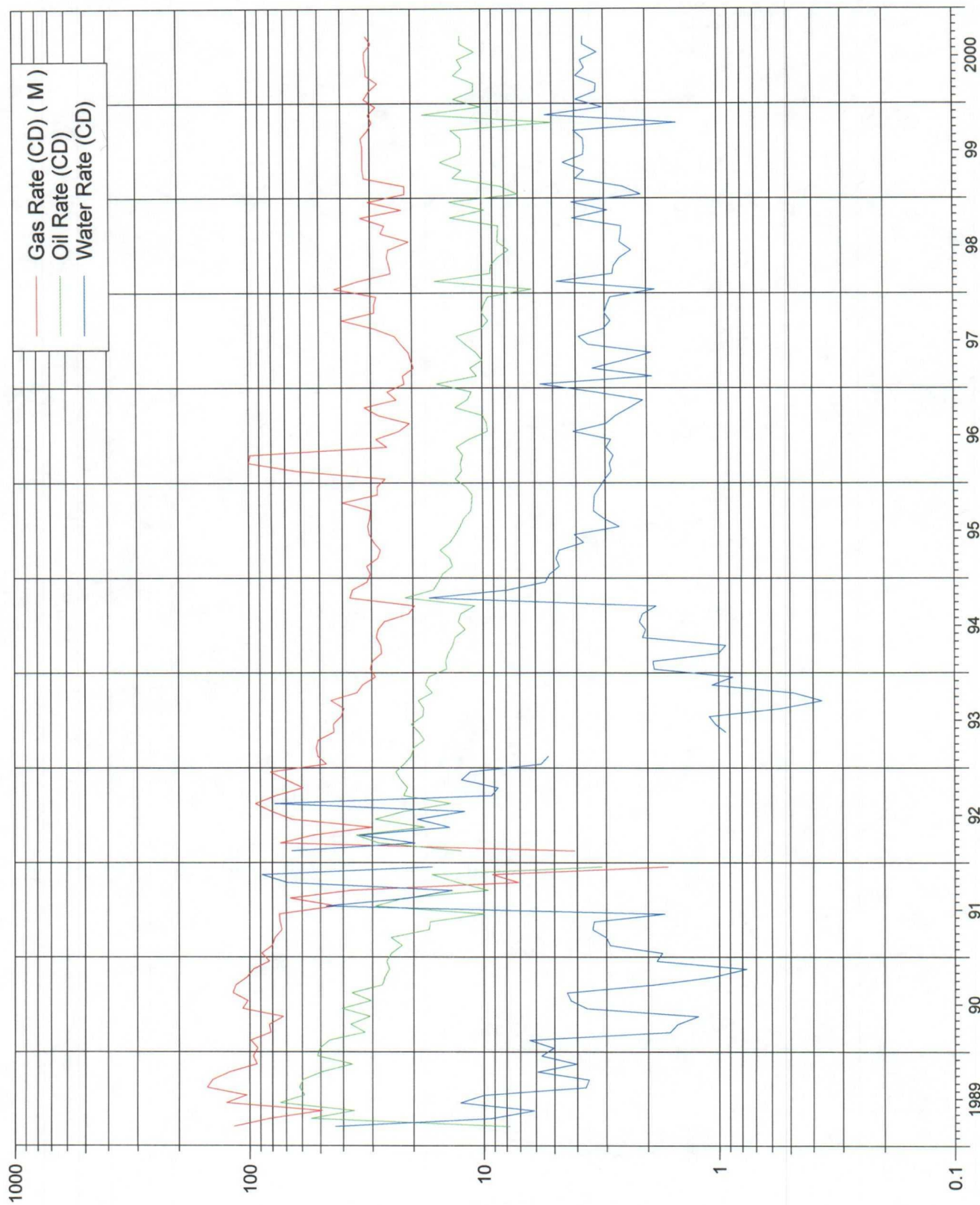
Gas-Liquid Ratio - 2500 scf/bbl

<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



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 <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1536

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Lease Name or Unit Agreement Name State E	
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Well No. #14	
2. Name of Operator Conoco Inc.		9. Pool name or Wildcat Langley Strawn	
3. Address of Operator P.O. Box 460, Hobbs, NM 88240			
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 All
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 CVR 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 5/8"	32 #	16415'	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 9066-96' 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-400 9200-9296 120 Bbls 15% HCL 9066-9102 90 Bbls 15% HCL	
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28. PRODUCTION							
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

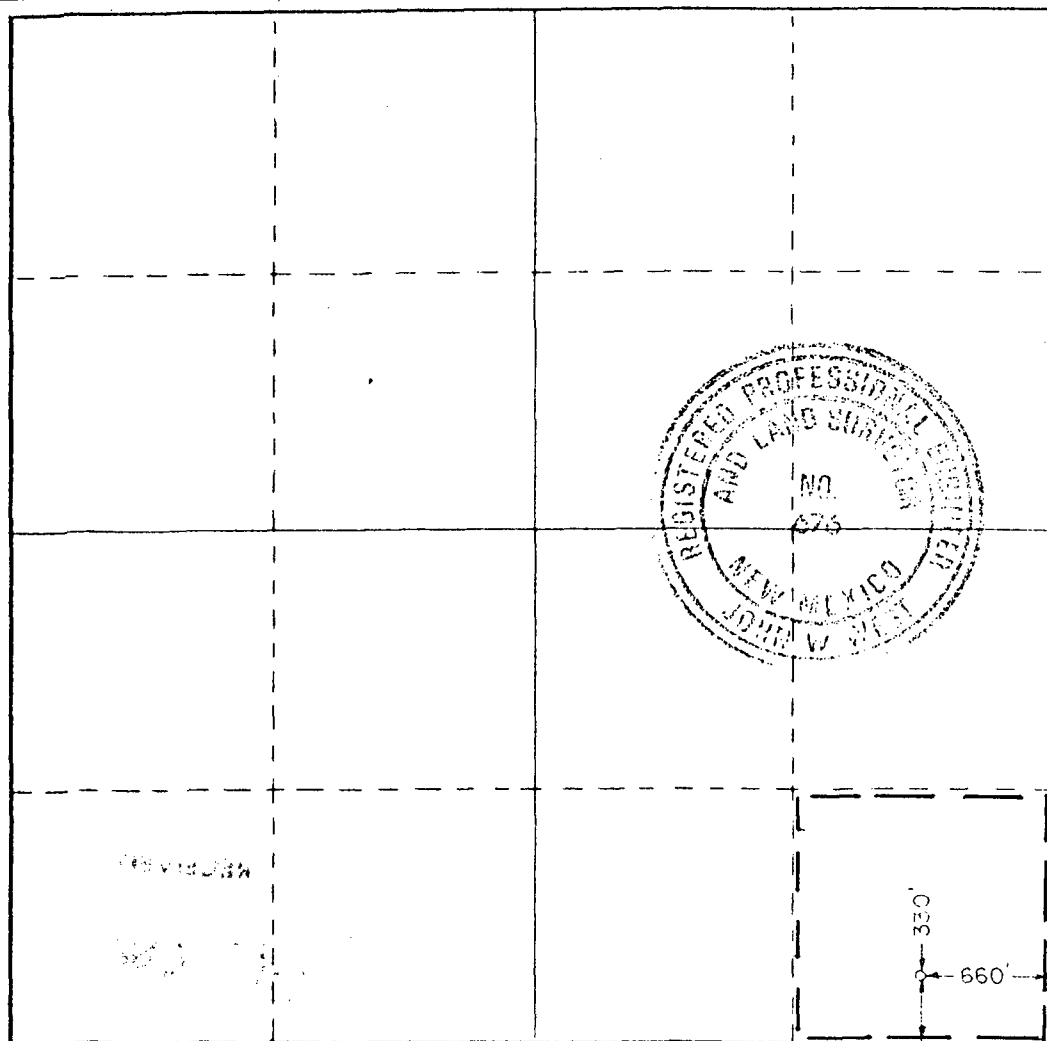
Operator CONOCO, INC.		Lease STATE "P"		Well No. 14
Unit Letter P	Section 17	Township 22 SOUTH	Range 36 EAST	County LEA
Actual Location of Well: 330 feet from the SOUTH line and 660 feet from the EAST line				
Ground level Elev. 3536.0	Producing Formation Strawn	Pool Langley Strawn	Dedicated Acreage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

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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

Company
Conoco Inc.

Date
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/or 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 - 0 025-30516
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	" Well Type Code	" Cable/Rotary	" Lease type Code	14 Ground Level Elevation
16 Multiple	17 Proposed Depth	18 Formation	19 Contractor	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.
- Conoco proposes to recomple this well to the ABO using stated procedure
10. Put Well on Production
11. Downhole commingle Langley Strawn and Abo upon approval of DHC application Order

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

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

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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'

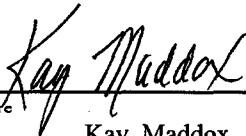
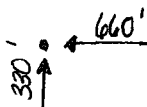
10 Surface Location

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 Infil	14 Consolidation Code		15 Order No.					

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

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <div><div>Signature</div><div></div></div> <div><div>Printed Name</div><div>Kay Maddox</div></div> <div><div>Title</div><div>Regulatory Agent</div></div> <div><div>Date</div><div>January 3, 2001</div></div>
					18 SURVEYOR CERTIFICATION <i>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.</i>
					<div><div>Date of Survey</div><div></div></div> <div><div>Signature and Seal of Professional Surveyor:</div><div></div></div>
				<div><div>330'</div><div></div></div> <div><div>Certificate Number</div><div></div></div>	



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