

31145592

DHC

11/27/00

District I
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

District II
811 South First Street, Artesia, NM 88210

OIL CONSERVATION DIVISION

APPLICATION TYPE

District III
1000 Rio Brazos Road, Aztec, NM 87001

2040 South Pacheco
Santa Fe, New Mexico 87505

Single Well

District IV
2040 South Pacheco, Santa Fe, NM 87505

Establish Pre-Approved Pools

EXISTING WELLBORE

Yes No

NOV - 6 2000

APPLICATION FOR DOWNHOLE COMMINGLING

CONOCO
Operator

P.O. BOX 2197 HOUSTON, TX 77252
Address

STATE COM
Lease

47
Well No.

L 2 27N 8W
Unit Letter-Section-Township-Range

SAN JUAN
County

OGRID No. 005073 Property Code 003253 API No. 300452296100 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	PICTURED CLIFFS <i>South Blanco</i>	<i>Otero</i> - CHACRA	MESAVERDE
Pool Code	72439	82329	72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2252'-2296'	3222'-3232'	3944'-4765'
Method of Production (Flowing or Artificial Lift)	FLOWING	EXPECTED TO FLOW	FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	INITIAL 1000PSI CURRENT 100-200PSI FRAC PRESSURE**	INITIAL 1160 PSI	INITIAL 1300 PSI CURRENT 200-300 PSI
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1256		1256
Producing, Shut-In or New Zone	PRODUCING	CURRENTLY SHUT-IN, ISOLATED BY PACKERS, WILL BE TRIMINGLED WITH PC AND MV	PRODUCING
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.)	Date: JUNE 2000 Rates: 29 MCFD	Date: Rates:	Date: JUNE 2000 Rates: 105 MCFD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % % *SEE ATTACHED ALLOCATION SHEDULE	Oil Gas % % ALLOCATE BY SUBTRACTION METHOD	Oil Gas % % *SEE ATTACHED ALLOCATION SCHEDULE

ADDITIONAL DATA

**Measured frac gradient in San Juan 28-7 #155 was .57 psi/ft(1737 psi at mid perf). No. 155 is approx. 6-7 miles from State Com 47.

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes _____ No x

If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes _____ No x

Are all produced fluids from all commingled zones compatible with each other? Yes x No _____

Will commingling decrease the value of production? Yes _____ No x

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes _____ No x

NMOCD Reference Case No. applicable to this well: R-10476-B

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 working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

281-293-1613

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE *Nigel Ramberansingh* TITLE Regulatory Analyst DATE 11/03/2000

TYPE OR PRINT NAME Nigel Ramberansingh TELEPHONE NO. (281)293-3270

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102
 Revised October 18, 1994
 Instruction on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-22961		² Pool Code 82329		³ Pool Name CHACRA	
⁴ Property Code 003253		⁵ Property Name STATE COM			⁶ Well Number 47
⁷ OGRID No. 005073		⁸ Operator Name CONOCO			⁹ Elevation 5951 GR

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
L	2	27N	8W		1760'	SOUTH	835'	WEST	SAN JUAN

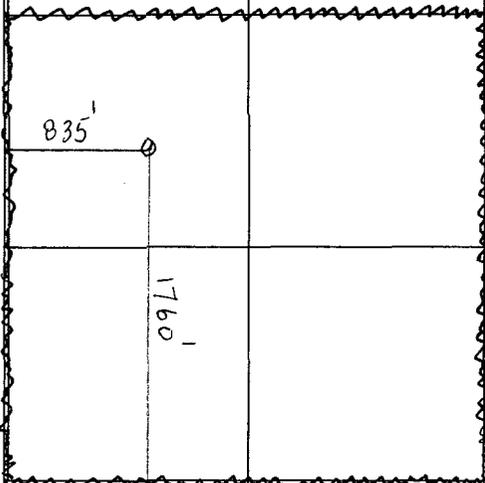
¹¹ Bottom Hole Location If Different From Surface

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	¹³ Joint or Infill	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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Printed Name NIGEL RAMBERANSINGH Title REGULATORY ANALYST Date 10/20/2000
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under</i> Date of Survey Signature and Seal of Professional Surveyer
					Certificate Number



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OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-22961		² Pool Code 72319		³ Pool Name MESAVERDE	
⁴ Property Code 003253		⁵ Property Name STATE COM			⁶ Well Number 47
⁷ OGRID No. 005073		⁸ Operator Name CONOCO			⁹ Elevation 5951 GR

¹⁰ Surface Location

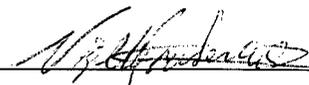
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¹¹ Bottom Hole Location If Different From Surface

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	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer</p>	
	<p>Certificate Number</p>	

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 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-22961		² Pool Code 72439		³ Pool Name PICTURED CLIFFS	
⁴ Property Code 003253		⁵ Property Name STATE COM			⁶ Well Number 47
⁷ OGRID No. 005073		⁸ Operator Name CONOCO			⁹ Elevation 5951 GR

¹⁰ Surface Location

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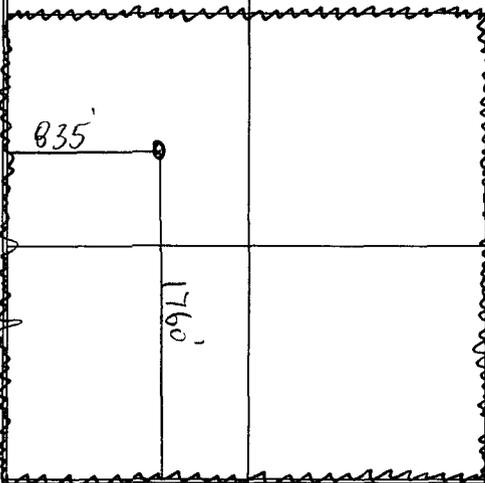
¹¹ Bottom Hole Location If Different From Surface

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

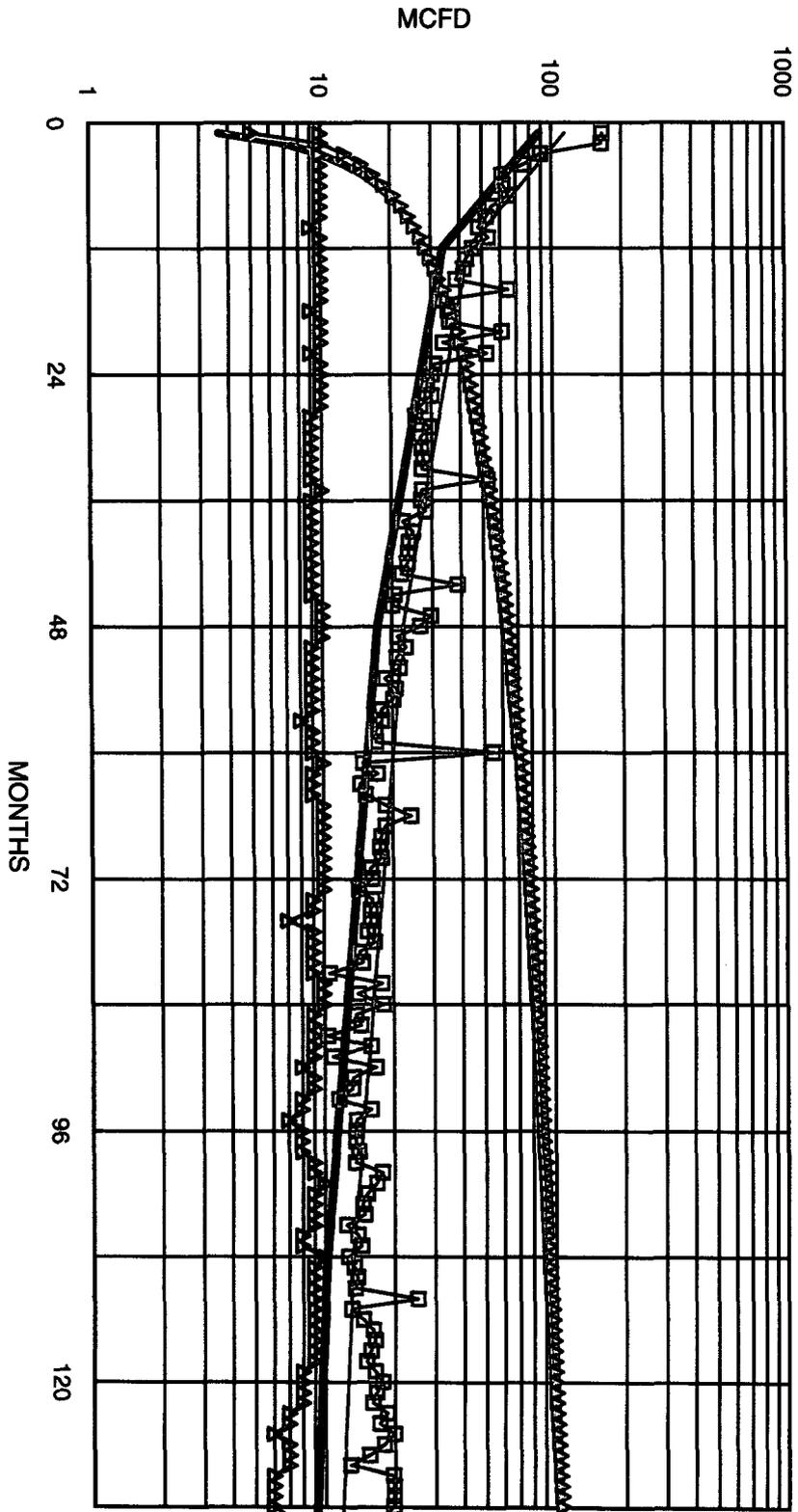
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**NORMALIZED CHACRA PRODUCTION - STATE COM 47 AREA
 OLDEST PRODUCER FP DATE 07/72; 10 CH WELLS IN 27N-8W AREA**



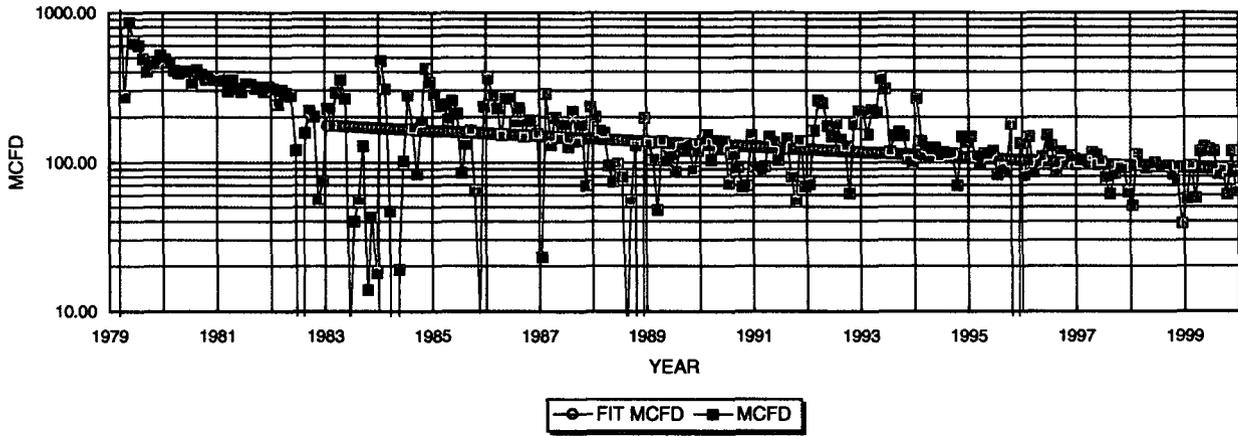
—■— NORMALIZED MCFD —▲— NORM CUM MMCF
 ——— FIT CUM MMCF —●— RISKED MCFD —◆— WELLS ON PRODUCTION
 ——— FIT MCFD

NORMALIZED AVG:
 118 MMCF EUR
 321 MMCF/25.4YRS
 10 MCFD E.L.
 0.002088 bbl/mcf oil yield

125 MCFD IP
 65% DECLINE, 1ST 12 MONTHS
 20% DECLINE, NEXT 36 MONTHS
 5% FINAL DECLINE

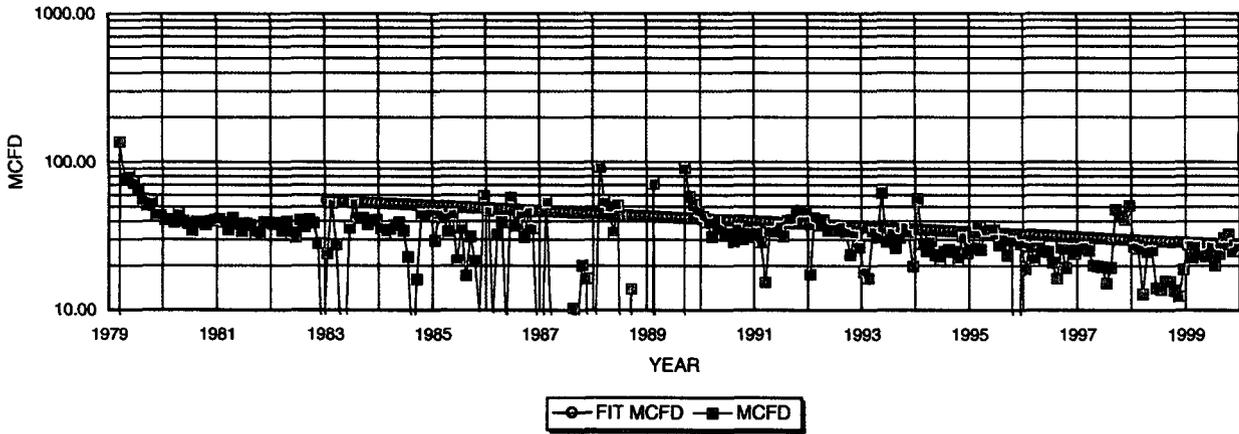
RISKED AVG: 25% RISK
 75 MMCF EUR 94 MCFD IP
 210 MMCF/20.5 YRS 65% DECLINE, 1ST 12 MONTHS
 10 MCFD E.L. 20% DECLINE, NEXT 36 MONTHS
 0.002088 bbl/mcf oil yield 5% FINAL DECLINE

**STATE COM 47 MESAVERDE PRODUCTION
SECTION 2L-27N-08W**



MESAVERDE HISTORICAL DATA:		1ST PROD: 02/79	MESAVERDE		PROJECTED DATA:	
OIL CUM:	5.52	MBO	01/00 Qi:	105	MCFD	
GAS CUM:	1347.6	MMCF	DECLINE RATE:	4.0%	(EXPONENTIAL)	
OIL YIELD:	0.0041	BBL/MCF	API # 30-045-22961			

**STATE COM 47 PICTURED CLIFFS PRODUCTION
SECTION 2L-27N-08W**



PICTURED CLIFFS HISTORICAL DATA:		1ST PROD: 02/79	PICTURED CLIFFS		PROJECTED DATA:	
OIL CUM:	0.0	MBO	01/00 Qi:	27	MCFD	
GAS CUM:	238.7	MMCF	DECLINE RATE:	4.0%	(EXPONENTIAL)	
OIL YIELD:	0.0000	BBL/MCF	API # 30-045-22961			

YEAR	Mesaverde Allocation		Pictured Cliffs Allocation		Total MV + PC Allocation	
	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
2000	103	0.4	27	0.0	130	0.4
2001	99	0.4	26	0.0	125	0.4
2002	95	0.4	25	0.0	120	0.4
2003	91	0.4	24	0.0	115	0.4
2004	88	0.4	23	0.0	111	0.4
2005	84	0.3	22	0.0	106	0.3
2006	81	0.3	21	0.0	102	0.3
2007	78	0.3	20	0.0	98	0.3
2008	75	0.3	19	0.0	94	0.3
2009	72	0.3	19	0.0	90	0.3
2010	69	0.3	18	0.0	87	0.3
2011	66	0.3	17	0.0	83	0.3
2012	63	0.3	16	0.0	80	0.3
2013	61	0.2	16	0.0	77	0.2
2014	58	0.2	15	0.0	74	0.2
2015	56	0.2	15	0.0	71	0.2
2016	54	0.2	14	0.0	68	0.2
2017	52	0.2	13	0.0	65	0.2
2018	50	0.2	13	0.0	62	0.2
2019	48	0.2	12	0.0	60	0.2
2020	46	0.2	12	0.0	58	0.2
2021	44	0.2	11	0.0	55	0.2
2022	42	0.2	11	0.0	53	0.2
2023	40	0.2	11	0.0	51	0.2
2024	39	0.2	10	0.0	49	0.2
2025	37	0.2	10	0.0	47	0.2
2026	36	0.1	9	0.0	45	0.1
2027	34	0.1	9	0.0	43	0.1
2028	33	0.1	9	0.0	42	0.1
2029	32	0.1	8	0.0	40	0.1
2030	30	0.1	8	0.0	38	0.1
2031	29	0.1	8	0.0	37	0.1
2032	28	0.1	7	0.0	35	0.1
2033	27	0.1	7	0.0	34	0.1
2034	26	0.1	7	0.0	33	0.1
2035	25	0.1	6	0.0	31	0.1
2036	24	0.1	6	0.0	30	0.1
2037	23	0.1	6	0.0	29	0.1
2038	22	0.1	6	0.0	28	0.1
2039	21	0.1	5	0.0	27	0.1
2040	20	0.1	5	0.0	25	0.1
2041	19	0.1	5	0.0	24	0.1

**State Com #47
Trimingle Production
PC, Chacra, & MV Triple Completion
September 8, 2000**

AFE#

API #300452296100 **Location:** Sec 2, T-27N, R-8W, 1760' FSL, 835' FWL

Objective

Optimize production by downhole trimingling Pictured Cliffs, Chacra, and Mesa Verde production.

WELL DATA

PBTD @ 4808', TD @ 4830', Completion 3/21/78

Surface Casing: 8.625", 20#, 5 jts.set @ 218', cement circ.

Production Casing: 5.5", 14#, K-55, 116 joints set @ 4817', (yield 4270 psi) TOC @ 650' by CBL.

Tubing – Long String: 2.063", 3.25#, landed @ 4583', w/Pkrs. –5.5" Baker 45 B Model J Snap set @ 2368', & 5.5" Baker Lok-set w/on/off tool @ 3270', SN 1 jt. from bottom @ 4552'.

Tubing - Short String: 1.66", 2.4#, landed @ 2372', 1.09" ID SN 6' from bottom.

Perforations: Pictured Cliffs: 2252' – 2296',

 Chacra: 3222' – 3232',

 Mesaverde: (Cliff House) 3944' – 3960',
 (Menefee) 4266' – 4288',
 (Point Lookout) 4486' – 4765'

Wellview Schematic attached.

PROCEDURE

- 1) Move in workover rig, hold safety meeting, note prevailing wind direction at location, designate muster point, review procedure, identify potential hazards, isolate lines and facilities, blow down lines, lock out tag out, spot equipment, rig up, WORK SAFELY!
- 2) Kill tubing with minimum amount of 1% KCl, POOH 1.66" OD short string laying down.
- 3) Kill tubing with minimum amount of 1% KCl, pull up to release Baker Snap set packer at 2368', pull up some more and rotate to right to release Baker Lok-set packer at 3270', POOH 2-1/16" Long String.
- 4) If fill prevents pulling both packers at same time free point and cut wash over to packer and release and pull. NOTE: Do not cut tubing below bottom Lok-Set packer unless absolutely sure pipe is stuck and packer has movement. Call Houston Engineering first.

**State Com #47
Trimingle Production
PC, Chacra, & MV Triple Completion
September 8, 2000**

API #300452296100 **Location:** Sec 2, T-27N, R-8W, 1760' FSL, 835' FWL

PROCEDURE (Continued)

- 5) RU wireline and set RBP below Chacra @ 3300', POOH wireline and RD. RIH with tubing and test packer, set packer below PC perms @ 2350' with tail pipe down to 3232', swab in and test.
Note: It is reported to make water only but we feel it only died due to completion configuration.
- 6) If test shows commercial gas, POOH, Pull RBP and trimingle production, if Chacra produces only water, squeeze with cement, pull RBP and commingle PC and MV production.
- 7) RIH with mule shoe and SN on bottom of 2.375" production tubing and tag for fill, clean out to PBTD @ 4808' if necessary. Land tubing at 4,598'
- 8) RIH gauge ring on sand line and tag seating nipple, trip plunger, POOH. RDMO
- 9) Swab well in if necessary. Notify operator to re-install plunger equipment and put back on production.

San Juan East Team - Prepared by Dennis Wilson
Cc: Central Records, and 3 Copies to Farmington Project Leads.

CONOCO INC.
 P.O. BOX 2197 DU 3082
 HOUSTON, TX 77252

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
David Catanach	Debbie Marberry
COMPANY:	DATE:
NMOCD	01/25/01
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
505 476 3471	2
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
	281 293-1005
RE:	YOUR REFERENCE NUMBER:
2	

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS:

David:

Per your conversation with Yolanda I am forwarding our notifications to you on the State Com #47. If you need additional information please give me a call.

Thanks for your time.

Debbie

[CLICK HERE AND TYPE RETURN ADDRESS]

7000 0600 0025 1069 4000

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only, No Insurance Coverage Provided)

State Com #47 DHC

Postage	\$	Sent 12/7/00 Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total		

Recipient: **John Burroughs Estate**
Herb Marchman Personal Representative
 9350 Arroyo Ln.
 Colorado Springs, CO 80908

PS Form 3800, February 2000 See Reverse for Instructions

7000 0600 0025 1069 4017

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State Com 47 DHC

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Total		

To: **Comm of Public Lands**
State of New Mexico
 PO Box 1148
 Santa Fe, NM 87504-1148

PS Form 3800, February 2000 See Reverse for Instructions

7000 0600 0025 1069 3997

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Restricted Delivery Fee (Endorsement Required)		
Total		

Recipient: **Burlington Resources**
Oil and Gas Company
 PO Box 840656
 Dallas, Texas 75284-0656

PS Form 3800, February 2000 See Reverse for Instructions

7000 0600 0025 1069 4031

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State Com #47 DHC

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Return Receipt Fee (Endorsement Required)	12/7/00	
Restricted Delivery Fee (Endorsement Required)		
Total		

Recipient: **Irene Rueckert**
PO Box 1103
Chautauque, NY 14722

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7000 0600 0025 1069 3980

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Restricted Delivery Fee (Endorsement Required)		
Total Post		

Recipient: **Jean Scheihing**
2311 Flintridge Dr
Colorado Springs, CO 80918-4401

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7000 0600 0025 1069 4024

U.S. Postal Service
CERTIFIED MAIL RECEIPT
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State Com #47 DHC

Postage	\$	Sent 12/7/00 Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Post		

Recipient: **Estate of Carl Senges**
RR 1 Box 1538
Elk Grove, CA 95758-9801

PS Form 3800, February 2000 See Reverse for Instructions