

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side		5. Lease Serial No. NM 04202
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCO, INC.		7. If Unit or CA/Agreement, Name and/or No. JOHNSTON LS
3a. Address P.O. BOX 2197 DU 3066 HOUSTON TX 77252	3b. Phone No. (include area code) (281)293-1005	8. Well Name and No. 6x
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) M 10 28N 9W 1168' FSL & 1090' FWL		9. API Well No. 30-045-07562
		10. Field and Pool, or Exploratory Area PICTURED CLIFFS/CHACRA/MESAVE
		11. County or Parish, State SAN JUAN NEW MEXICO

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>DHC</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco proposes to recomplete this well to the Aztec Pictured Cliffs and Otero Chacra and downhole trimingle with the Blanco Mesaverde as per the attached procedure.

RECEIVED
2001 JUN 18 AM 7:38
070 Farmington, NM



14. I hereby certify that the foregoing is true and correct		Title
Name (Printed/Typed) DEBORAH MARBERRY		REGULATORY ANALYST
Signature <i>Deborah Marberry</i>		Date 6/14/2001
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by /s/ Jim Lovato	Title	Date JUL 30 2001
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

K

Johnston LS 6X
Recomplete to Pictured Cliffs & Chacra,
Trimingle with Mesa Verde,
May 11, 2001

API# 30039044900, Location: NMPM-28N-7W-9-NW SE SW

Operator – Andy Ortiz – mobile 505-320-9575

Objective

Johnston LS 6X is currently producing 60 Mcfgd from the Mesa Verde formation. TOC of 5.5" casing is at 2200' by temperature survey, we will set a plug, pressure test casing, and run a CBL log to confirm cement coverage and squeeze if necessary before recompleting. Recomplete to Pictured Cliffs and Chacra formations, test, drill out, test, drill out, and clean out to PBTD. Production is be down hole trimingled with Mesaverde production and optimized by raising tubing to mid perforation of Mesa Verde. Expected uplift from the PC and Chacra recompletion is 300Mcfgd.

Proposed Pictured Cliffs and Chacra Intervals

The recommended perforation intervals are:

Pictured Cliffs:		Chacra:	
2553' – 2584'	31'	3515' – 3527'	12'
2592' – 2611'	19'	3542' – 3552'	10'
Total	50' Pay	3625' – 3637'	12'
		3640' – 3653'	13'
		Total	47' Pay

WELL DATA

PBTD @ 4961' Spud Date – 4/18/1957

Surface Casing: 10.75", 32.75#, 6 jts. set @ 231, cement circ. to surface.

Intermediate Casing: 7.625", 26.4#, J-55, 83 jts. set @ 2666', TOC @ 1530' by TS.

Production Casing: 5.5", 15.5#, J-55, 127 jts. set @ 5009', TOC 2200' by TS.

Tubing: 2.375", 4.7#, J-55, 158 jts., landed @ 5630' .

MV Perforation Depths: 4988' – 5006', & 5032' – 5048', 5100' – 5128', 5205' – 5206', 5528' – 5546',
5568' – 5598', 5638' – 5648'.

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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 well (minimum fluid!!) down tubing and POOH standing back.
- 3) Rig up wireline, RIH set Alpha CIBP @ 3700' in 5.5" casing.
- 4) Fill hole with water, RU wireline, RIH and run CBL log, determine cement top, call Houston Engineering if TOC is too low. Prepare to set BP shoot squeeze holes, RIH w/cement retainer, and squeeze cement to surface and drill out if necessary. Run CBL log if cement does not circulate. If cement top is at least 100' above top perf @ 2553' proceed with step 5).
- 5) Test casing to 2,000 psi or maximum expected frac pressure, (7.63", 26.4# casing = 4140psi yield).
- 6) Rig up wireline, perforate Chacra as per Lucas Bazan's procedure.
- 7) Rig up service company, break down perfs and frac Chacra as per Bazan's procedure.
- 8) Flow back energized fluids until well dies or settles down, RU wireline, set RBP @ 2650'.
- 9) RU perf guns, RIH and perf as per Lucas Bazan's procedure.
- 10) RU service company and frac PC as per Bazan's procedure.
- 11) Flow back energized fluids until well dies or settles down, TIH with 2-3/8" tubing with open ended RBP retrieving head and land @ 2600', flow back clean up, obtain four hour stabilized test. TIH and pull RBP, POOH tubing standing back.

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PROCEDURE (continued)

- 12) TIH with 2-3/8" tubing, clean out unload to 3653', PU and land tubing at 3600', obtain 4 hour stabilized test of both zones together for subtraction method. POOH Tubing.
- 13) RIH with 4-3/4" bit on drill collars and 2-3/8" work string, drill out bridge 5.5" bridge plug @ 3700', clean out to PBTD @ 4961', POOH, stand back tubing, lay down collars and bit.
- 14) RIH 2.375" production tubing with mule shoe and SN on bottom, land tubing @ 4850'. Drop rabbit through tubing to check for tight spots, be careful not to over torque. Make drift run to SN with sand line before rigging down.
- 20) RDMO, Notify operator to put on plunger lift production.

San Juan East Team
(DRW, CEM)

Cc: Central Records Well Files, 3 Copies to Farmington Project Leads

District I
1625 N. French Drive, Hobbs, NM 68240
District II
811 South First Street, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well
Established Pre-Approved Pools
EXISTING WELLBORE
Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

CONOCO, INC. P.O. BOX 2197 DU 3084 HOUSTON TX 77252
Operator Address
JOHNSTON LS 6x M 10 28N 9W SAN JUAN
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 005073 Property Code 22391 API No. 30-045-07562 Lease Type Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	AZTEC PICTURED CLIFFS	OTERO CHACRA	BLANCO MESAVERDE
Pool Code	71280	82329	72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2553' - 2611' PROPOSED	3515' - 3653' PROPOSED	4988' - 5648'
Method of Production (Flowing or Artificial Lift)	EXPECTED TO FLOW	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)	EST. 500psi	EST. 1000psi	EST. 600psi orig 1190psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1100-1200	1100-1200	1310
Producing, Shut-in or New Zone	NEW ZONE	NEW ZONE	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: Rates: EST. 200MCFD	Date: Rates: EST. 175MCFD	Date: Rates: CURRENT 30-40MCFD
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 % % Test	Oil Gas % % Test	Oil Gas % % Subtraction

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones? Yes X No
If not, have all working royalty and overriding royalty interest owners been notified by certified mail? Yes No
Are all produced fluids from all commingling 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 X No
NMOCD Reference Case No. applicable to this well:

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.

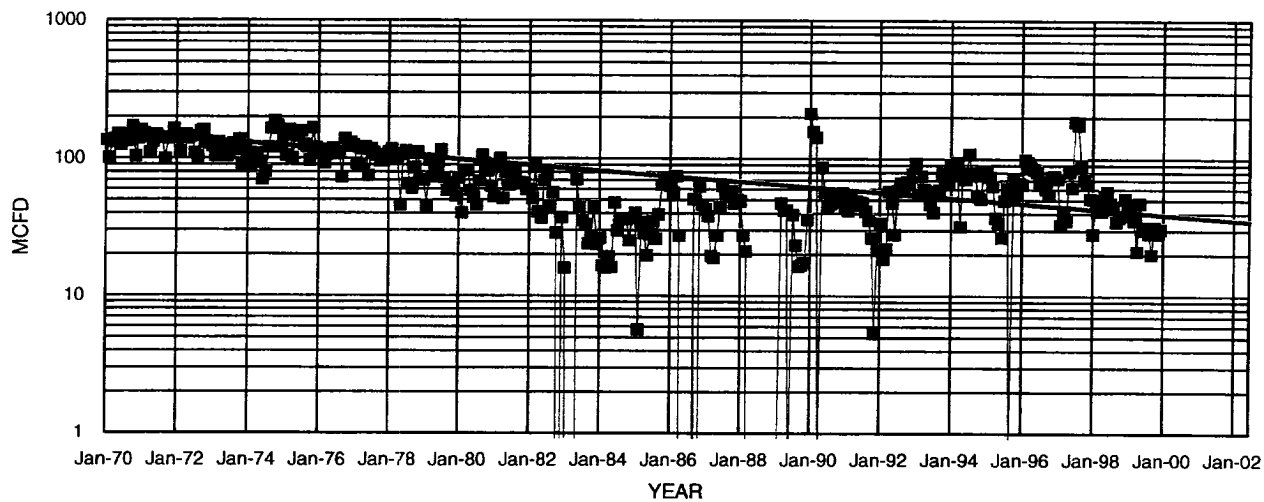
Pre-Approved Pools

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 Deborah Marberry TITLE REGULATORY ANALYST DATE 6/13/2001
TYPE OR PRINT NAME DEBORAH MARBERRY TELEPHONE NO. (281)293-1005

JOHNSTON LS 6X MESAVERDE PRODUCTION
SECTION 10M-28N-09W, SAN JUAN COUNTY, NEW MEXICO



MESAVERDE PRODUCTION		1ST PROD: 07/57	MESAVERDE PROJECTED DATA		
OIL CUM:	3.65	MBO	Jan.00 Qi:	40	MCFD
GAS CUM:	1236.1	MMCF	DECLINE RATE:	4.5%	(EXPONENTIAL)
OIL YIELD:	0.0030	BBL/MCF	API #30-045-07562		

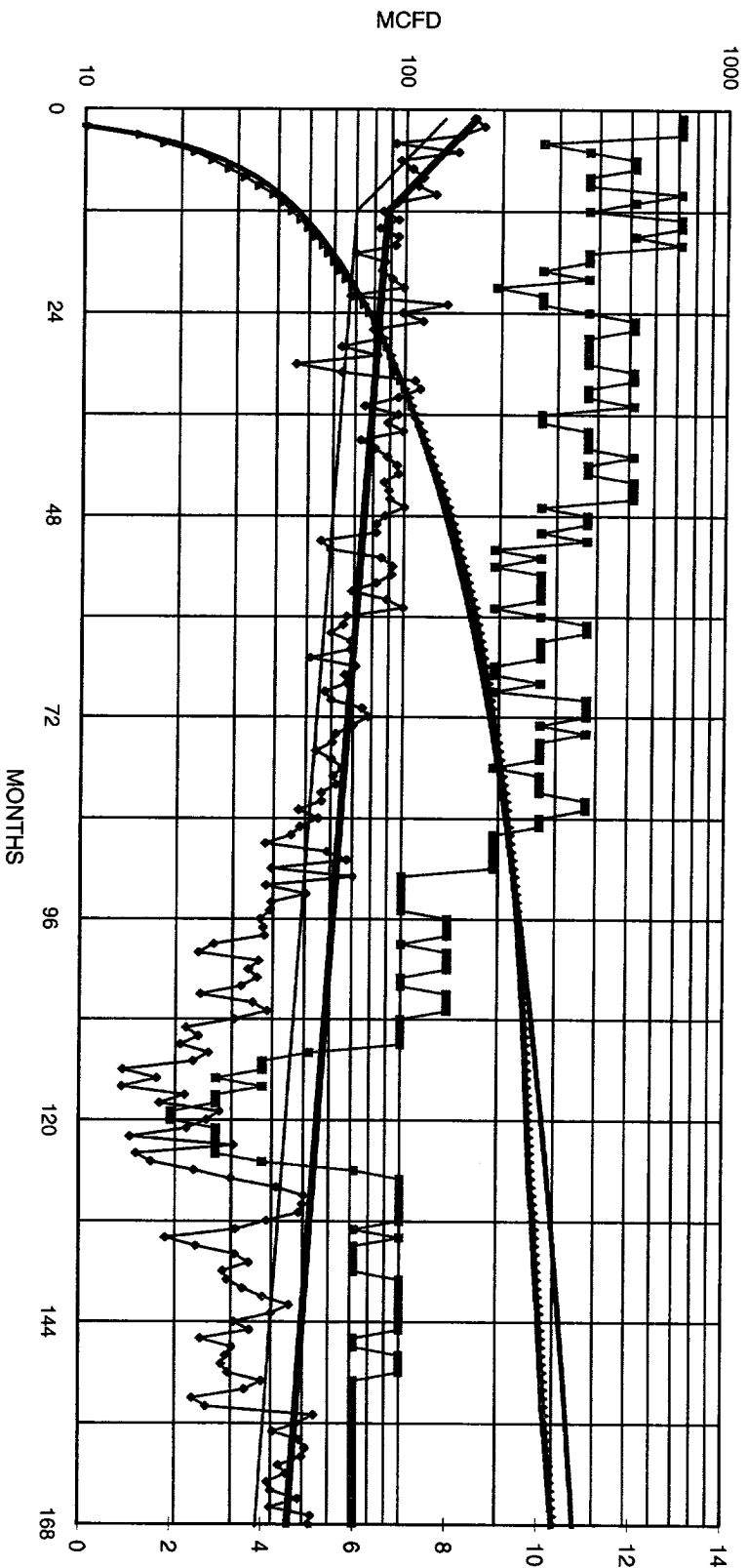
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

NOTE: Current decline rate is approximately 4.5%/year. This rate is expected to continue for the duration of the well based on production trends observed during the life of this well.

Production data from PIVdwrights Plus.

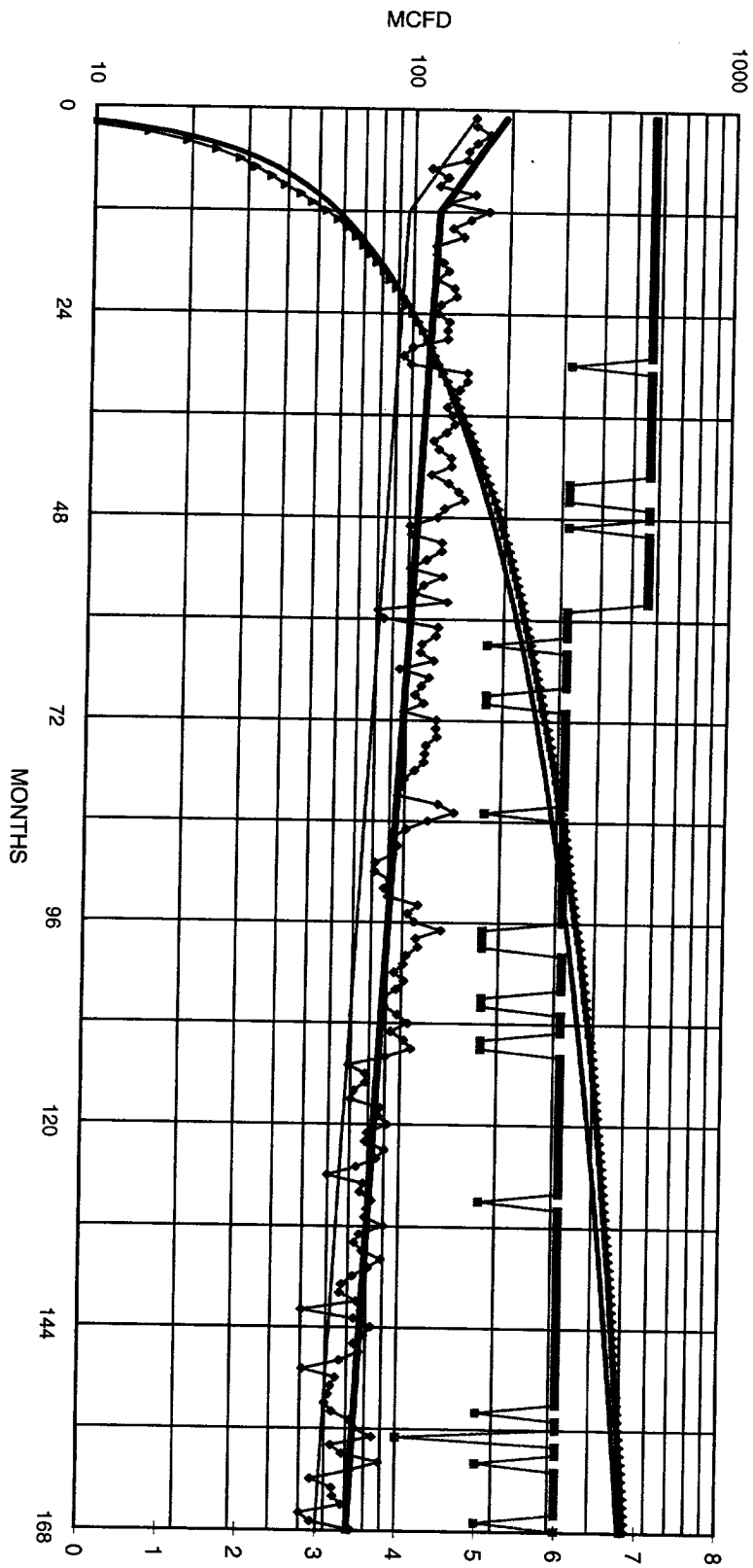
YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
2001	39	0.12
2002	37	0.11
2003	36	0.11
2004	34	0.10
2005	32	0.10
2006	31	0.09
2007	30	0.09
2008	28	0.08
2009	27	0.08
2010	26	0.08
2011	25	0.07
2012	24	0.07
2013	22	0.07
2014	21	0.06
2015	20	0.06
2016	20	0.06
2017	19	0.06
2018	18	0.05
2019	17	0.05
2020	16	0.05
2021	16	0.05
2022	15	0.04
2023	14	0.04
2024	14	0.04
2025	13	0.04
2026	12	0.04
2027	12	0.03
2028	11	0.03

NORMALIZED CHACRA PRODUCTION
CH wells located in S/2 of T29N R9W



NORMALIZED AVG:		RISKED AVG:	
562	MMCF EUR	428	MMCF EUR
584	MMCF/40 YRS	467	MMCF/40 YRS
15	MCFD E.L.	15	MCFD E.L.
0.000000	Yield		
		20% RISK FACTOR	
175	MCFD IP	140	MCFD IP
50%	DECLINE, 1ST 12 MONTHS	50%	DECLINE, 1ST 12 MONTHS
5%	DECLINE, NEXT 48 MONTHS	5%	DECLINE, NEXT 48 MONTHS
5%	FINAL DECLINE	5%	FINAL DECLINE

NORMALIZED PICTURED CLIFFS PRODUCTION
PC wells located in N/2 of T28N R9W



NORMALIZED AVG:		RISKED AVG:	
996	MMCF EUR	770	MMCF EUR
912	MMCF/ 40 YRS	729	MMCF/ 40 YRS
15	MCFD E.L.	15	MCFD E.L.
0.000000	Yield		
200 MCFD IP		20% RISK FACTOR	
40% DECLINE, 1ST 12 MONTHS		160 MCFD IP	
4% DECLINE, NEXT 48 MONTHS		40% DECLINE, 1ST 12 MONTHS	
4% FINAL DECLINE		4% DECLINE, NEXT 48 MONTHS	
		4% FINAL DECLINE	

16				<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><i>Deborah Marberry</i></p> <p>Signature</p> <p>DEBORAH MARBERRY</p> <p>Printed Name</p> <p>REGULATORY ANALYST</p> <p>Title</p> <p>6/14/2001</p> <p>Date</p>
<p>1090'</p> <p>1190'</p>				<p>18 SURVEYOR CERTIFICATION</p> <p><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></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

District I
1625 N. French Dr., Hobbs, NM 88240
District II
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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 August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-07562		2 Pool Code 71280		3 Pool Name AZTEC PICTURED CLIFFS	
4 Property Code 22391		5 Property Name JOHNSTON LS			6 Well Number 6x
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation

10 Surface Location

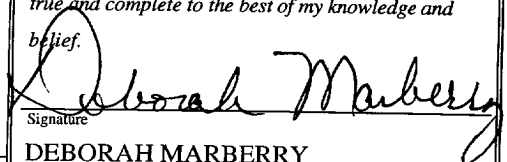
UL or lot no. M	Section 10	Township 28N	Range 9W	Lot Idn	Feet from the 1168'	North/South line SOUTH	Feet from the 1090'	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

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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12 Dedicated Acres	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

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 6/14/2001 Date	
1090'					
1168'					
				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	

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-07562		2 Pool Code 72319		3 Pool Name BLANCO MESAVERDE	
4 Property Code 22391		5 Property Name JOHNSTON LS			6 Well Number 6x
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation

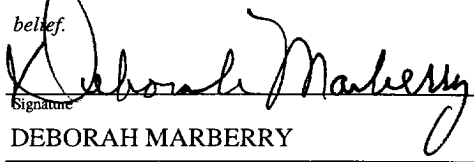
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UL or lot no. M	Section 10	Township 28N	Range 9W	Lot Idn	Feet from the 1168'	North/South line SOUTH	Feet from the 1090'	East/West line WEST	County SAN JUAN
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