STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT Location of Well: J213111 Page 1

OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:MUDGE B 001A Meter #:97556 RTU: - -County:SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	MUDGE 3 001A APC 90812(97556)	GAS	FLOW	TBG
LWR COMP	MUDGE 3 001A BMV 9081 (97556)	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilzed
UPR CO <b>M</b> P	10/07/95	71	367	yes
LWR COMP	10/07/95	72 T2 FLOW TEST DATE NO 1	347	- 170

FLOW	TEST	DATE	NO.1	

Commenced at (ho	our,date)*			Zone P	roducing (Upr(Lwr)
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper Lower		Prod Temp.	REMARKS
10/07/95	Day 1	302	316	_	Both Zones SI
10/08/95;	Day 2	348	348		Both Zones SI Both Zones SI
10/09/95	Day 3	363	348		
10/10/95	Day 4	367			lowed lower the
10/11/95	Day 5	367	345	_	
10/12/95	Day 6	370	338	_	4

Oil:\_\_\_\_\_\_BOPD based on \_\_\_\_BBLs in \_\_\_Hrs \_\_\_Grav\_\_\_GOR \_\_\_\_ Gas: \_\_\_\_\_\_MID-TEST SHUT-IN PRESSURE DATA

	Hour,Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				DECEIVE
LWR COMP				
		(Continue on :	reverse side)	

REE

mmeneed at paser, d	6 taj # 4		FLOW TEST		
				Zone producing (Upper	# Lower
Prover, da lai				PROD. ZONE	
				1949,	ACHARCE
	1				
		{			
duction rate of	during test				
	-				
•	BOP	D based on	Bbls. in	Hours	Grav GOR
					GOK
		MCI	PD: Tested thru	(Orifice or Meter):	
narks:					
			· · · · · · · · · · · · · · · · · · ·		

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

Approved	Jehnny Rolinson Oil Conservation Division	19	Corrator Anoco Prod.	, .
	OCT 3 0 1995		By Aneline	
By	DEPUTY OIL & GAS INSPECTOR		Title	
Tide			Date 10 /23 /95-	•

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packet lexitage sext shall be conservered on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order surharizing the multiple completion. Such resu shall also be commenced on all nultiple completions within seven days following recompletion and/or chemical or fracnive resonent, and whenever remedial work has been done on a well during which the packet or the rabing here been distated. Term shall also be taken at any time that communication is supported or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage sen shall commence when both zones of the dual completion are shut-in for prevare sublication. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven doys.

4. For Now Text No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shurint. Such text shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage text, a gas well is being flowed to the sumosphere due to the lack of a pipeline connection the flow period shall be three bours.

5. Following complexion of Now Test No. 1, the well shall again be abot-in, in accordance with Purspraph 3 above.

6. Flow Ten'No. 2 shall be conducted even though no leak was indicated during flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 escept that the previously produced 2000 shall remain shus-in while the 2000 which was previously short-in is produced.

7. Pressures for gas-rone terms must be measured on each zone with a deadweight pressure grouge at time intervals as follows: 3 hours sense: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at houtly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day usus: immediately prior to the beginning of each flow period, and is hour thereof, and at approximately prior to the conclusion of rach flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable text data.

24-hour oil some unxi: all pressures, throughout the conire text, shall be continuously measured and recorded with recording pressure gauges the accuracy of which mount be checked at least roire, nows at the beginning and over at the end of each text, with a deadweight pressure gauge. If a well is a guodi or an oil-gu dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas some.

8. The results of the shore-described sense shall be filed in triplicate within 15 days after complexion of the test. Tests shall be filed with the Astee Dottex: Office of the New Mesico Oil Conservation Division on Northwest New Mesico Packer Leakage Test Form Review 10-01-78 with all deadweight pressures ordicated thereon as well as the flowing semperatures (gus soons only) and gravity and GOR (oil soons only).

UNITED STATES						
Do not use this prime for proposition of the provide the 2001       SF-070806         Bahandoned well. Use form 3160-3 (APD) for sight provide the 2001       6. If fundam. Allottice or The Name         SUBMIT IN TRIPLICATE - Other instructions on reverse side.       7. If Unit or CAApreement Name and/or No.         I. "Type of Well       One well & Gas Well       0 her         2. Name of Operatein       AMOCO PRODUCTION COMPANY       8. Well Name and No.         3a. Address       P.O. 8003 3092       10. Statistication of North Active Statistication Statistication of Company         3a. Address       P.O. 803 3092       10. Statistication of North Active Statistication of North Active Statistication of Well       (Poolegie, Sice, T, R. M., or Survey Description)       11. Cruego or Parital and Mol.         170FEL 15SCFSL       J. al. (J. 31. J.	BURE	DEPARTMENT OF THE INTERIOR			OMB NO. 1004-0135 Expires: November 30, 2000	
SUBMIT IN TRIPLICATE - Other instructions on reverse side.         1. Type of Well       On Well S Gas Well Other       1. If Unit or CA/Agreement Name and/or No.         2. Name of Opention:       8. Well Name and No.       2000 GE 10.         3. Address P. O. BOX 3092       38. Penet No. Imbudge area code/ UNUSTON TX 77079       1. State of Opention:       9. Aff Well No.         3. Address P. O. BOX 3092       19. Feld and Pool. or Exploratory Arra BLANCOW & AZTEO PC       11. Crouge of Parity.       10. Feld and Pool. or Exploratory Arra BLANCOW & AZTEO PC         1. 100STON TX 77079       21.366.4451       10. Feld and Pool. or Exploratory Arra BLANCOW & AZTEO PC       11. Crouge of Parity.         1. 101GTON COMPANY       30. Bene No. Imbudge       11. Crouge of Parity.       11. Crouge of Parity.         1. 2. CHECK AIPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE. REPORT, OR OTHER DATA       TYPE OF ACTION       Water Shat-Off         Motice of Iment       Aller Casing       Production (Stat/Resume)       Water Shat-Off         Motice of Iment       Aller Casing Repair       Production (Stat/Resume)       Water Shat-Off         Motice of Iment       Casing Repair       Production (Stat/Resume)       Water Shat-Off         Motice of Iment       Casing Repair       Production (Stat/Resume)       Water Shat-Off         Motice of Intent       Aller Casing       Production (Sta	Do not use this fo	orm for proposals to drill	or to re-enter añ	• <u>````</u>	- 078096	
SUBMIT IN FRICUCATE - Other Instructuring on Febrers and:         L. Type of Well       Oil Well       Gas Well       Other         2. Name of Operator       MUCOE B 1A       MUCOE B 1A         AMCCO PRODUCTION COMPANY       9. API Well No.       333432102         3a. Address       P.O. BOX 3032       2b. Phone No. Include array code       333432102         4. Location of Well       (Fortage, Sec., T. R. M., or Survey Description)       11. County or Parish, and State         1710FEL 155CFSL $-2 \lfloor -3 \rfloor - 4 L$ 11. County or Parish, and State         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE. REPORT, OR OTHER DATA       TYPE OF SUBMISSION       11. County or Parish, and State         13. Describe Propersion of Change Sec., T. R. M. or Survey Description       11. County or Parish, and State       Sun-ONT         14. Other       A coldize       Despen       Production (Start/Resume)       Water Stan-ONT         15. Obstruction of Intent       Acidize       Despen       Production (Start/Resume)       Water Stan-ONT         16. Describe Propersi or Completed Operation Clearly state all periodent costing a damation       Recomplete       SUBCOM         17. Describe Propersi or Completed Operation Clearly state all periodent costing a damation of all proteinant duration file operations and state damation       Water Stan-ONT         18. Describe Propersi or Completed Ope			<u> </u>			
2. Name of Operator       R. Well Name and No.         3a. Address       P. O. BOX 3092       Sb. Phone No. (metade area code)         3a. Address       P. O. BOX 3092       Sb. Phone No. (metade area code)         3b. Address       P. O. BOX 3092       Sb. Phone No. (metade area code)         4. Location of Well       (Footage, Sc. 1, R. M. or Survey Description)       10. Field and No.         1710FEL 155CFSL	SUBMIT IN TRIPLIC	ATE - Other instructior	ns on reverse sid	fe. 7. 11 U	In or CA/Agreement Name and or No.	
2. Name of Operation AMOCO PRODUCTION COMPANY 3. Address P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, Transport P.O. BOX 3092 4. Location of Well Friendry, T7079 3. Address P.O. BOX 3092 4. Location of Well Friendry, Transport P.O. BOX 309 4. Location of Well Friendry, Transport P.O. BOX 309 4. Location P.O. BOX 309 4. Location	1. Type of Well Oil Well	Gas Well Other				
3a. Address       P.O. BOX 3092 HOUSTON, TX 77079       3b. Prone No (method: area code) 281 366 4491       10. Field and Pool of Exploratory Area BLANCO MV & AZTEC P C         4. Location of Well       (Foolage, Sec. T., R. M., or Survey Description)       10. Field and Pool of Exploratory Area BLANCO MV & AZTEC P C         1710FEL 156CFSL       - J (- J - L)       11. Clause of Well       (Foolage, Sec. T., R. M., or Survey Description)         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE. REPORT, OR OTHER DATA       TYPE OF SUBMISSION       Water Shart-Off         28. Notice of Intent       Acidize       Description       Production (Start/Resume)       Water Shart-Off         29. Subsequer t Report       Casing Repair       New Construction       Reclamation       Well Integrity         Subsequer t Report       Convert to Injection       Plug and Abandon       Reporting Abandon       Water Dispesal         10. Describe Report       Convert to Injection       Plug Back       Water Dispesal       SUBCOM         13. Describe Report       Convert to Injection       Plug Back       Water Dispesal       SUBCOM         14. Describe Report       Convert to Injection       Plug Back       Water Dispesal       SUBCOM         15. Describe Report       Convert to Injection       Plug Back       Water Dispesal       SUBCOM         16. Mathade Indew shick devew		NY				
4. Location of Well       (Poolage, Sec. T. R. M. or Survey Description)       BLANCO MV & AZTEC P C         1710FEL 155CFSL       - 2 [-3]-H       TCUTTORIEL TSSCFSL       I. County or Paish, and State         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION       Water Shut-Off         IN Notice of Intent       Acidize       Deepen       Production (Start/Resume)       Water Shut-Off         IN Notice of Intent       Acidize       Deepen       Production (Start/Resume)       Well Integrity         Subsequer t Report       Casing Repair       New Construction Recomplete       SUBCOM         In proposal is to depend and on the state the overable to formation (Start/Resume)       Well Integrity       SUBCOM         13. Describ Proves in Completed Openation (clarty state all pertition details, including estimated starting date of any proposed work and approximate duration thereof.       It is proposal is to depend and could be officianted provide the Bianco No. on fite with BiABA. Regure absequent reports all b field ones         14. Describ Proves in Completed Openation (clarty state all pertition estimate starting date of any interviolating in a lipotiant markers and zenes.       Anada the Bianco Measurement, including realmande, including realmande, and the pertited marker and zenes.         15. Describ Proves in Completed Openation (Starty Result)       It is an antigite completion or recomplete in a neuroid and the openator has detain proceeding and the openator has detains anothylice com	3a. Address P.O. BOX 3092			ae area coae) 🛛 🛌 🛄		
1710FEL 155CFSL <i>J</i> - <i>Q</i>   - <i>J</i>   - <i>J</i>		and the second se				
TYPE OF SUBMISSION       TYPE OF ACTION         Image: Subsequent Report       Acidize       Deepen       Production (Start/Resume)       Water Shut-Off         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       SUBCOM         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       SUBCOM         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       SUBCOM         Image: Subsequent Report       Convert to Injection       Plug Back       Water Dispesal       SUBCOM         13. Describe Proposel or Completed Operation (clearly state all pertinent details, including estimated stating date of any proposed work and approximate duration thereof.       If the proposal is to depen directorally or recomplete horizontally, give substrates leading and thes vertical depths of all pertinent markers and zees.         Arash the foul ond within the work will be performed or provide the Ord No. on file work will BMAR. Acading redunation thereof.       If the proposal is to depen directoral bool does within the BMARO. Media requirements, including redunation, all perform markers and zees.         Arash the durat day for final inspection       Convert the BMARO. Media depths of all perform markers and zees.         Arash the durat day for final inspection.       Convert the BMARO. Media depths of all perform has dependent provide the permitsion to convert the subject well from a dual completion to a single completion and comminingle produc					-	
Import sectometric       Acidize       Deepen       Production (Start/Resume)       Water Shut-Off         Subsequer 1 Report       Casing Repair       New Construction       Reclamation       Well Integrity         Import 1 Report       Casing Repair       New Construction       Recomplete       SUBCOM         Import 1 Report       Casing Repair       Plug and Abandon       Propartity Abandon       SUBCOM         1 Subsequer 1 Report       Convert to Injection       Plug and Abandon       Purporarity Abandon       SUBCOM         1 The propartity of the service with the performed or provide the Boot Note which the service with performed or provide the Boot Note which the service with performed or provide the Boot Note which the service with performed or provide the Boot Note which the service with the performed or provide the Boot Note which the service with the performed or provide the Boot Note which the service with the operator nasing an antipice completion or a new interval. From 316-4 shall be filed one       The propage in the two service and the service with the operator nasing and commingle production downhole in the Bianco Mesaverde and Aztec Pictured Cliffs Pools as per the attach production downhole in the Bianco Mesaverde and Aztec Pictured Cliffs Pools as per the attach         Electronic Submission #3168 verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY Sent to the Farmington Field Office Committed to NEMSS for processing by Maurice Johnson on 03/27/2001       The Autor Processing by Maurice Johnson on 03/27/2001         Name       Printed/Typed       M	12. CHECK APPRO	OPRIATE BOX(ES) TO IND	ICATE NATURE OF	NOTICE, REPORT, C	OR OTHER DATA	
Image: Subsequent Report       Image: Casing Casing Repair       Image: Casing Repair       Reclamation       Image: Report         Image: Subsequent Report       Casing Repair       New Construction       Reclamation       Image: Report         Image: Subsequent Report       Change Plans       Plug Back       Water Disposal         Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal         Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal         Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal         Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal         Image: Subsequent Report       Final Abandomet Notices shall be file only are subsequent reports shall be file once       Attach the Bod note of the involved operations.         Intent that the start subsequent Report       Final Abandomet Notices shall be file only after all repartments, including reclamation, have been completed, and the operator has determined that the sits is ready for final inspection.       Attach the Bud note         Armoco Production Company request permission to convert the subject well from a dual completion to a single completion and commingle production downhole in the Blanco Mesaverde and Attec Pictured Cliffs Pools as per the attach procedure.         Electronic Submission #3168 verified by the BLM Well Information System for AMOCO PRODUCTION COMPA	TYPE OF SUBMISSION		ТҮР	E OF ACTION		
following completion of the involved operations: If the operation results in a multiple completion or recompletion in a new interval, a Ferm 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 state is ready for final inspection.)         Arnoco Production Company request permission to convert the subject well from a dual completion to a single completion and commingle production downhole in the Blanco Mesaverde and Aztec Pictured Cliffs Pools as per the attach procedure. NMOCD Form C-107A is being submitted separately for authority to downhole commingle the Blanco Mesaverde and the Aztec Pictured Cliffs.         Electronic Submission #3168 verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY Sent to the Farmington Field Office Committed to ArMSS for processing by Maurice Johnson on 03/27/2001       Title       AUTHORIZED REPRESENTATIVE         Signature       Date       03/22/2001       Title       AUTHORIZED REPRESENTATIVE         Outcomed By	Subsequer t Report Final Abandonment Notice I. Describe Proposed or Completed Operation If the proposal is to deepen directionally of	Alter Casing Casing Repair Change Plans Convert to Injection	Fracture Treat  Kew Construct  Plug and Aban  Plug Back  cluding estimated starting of face locations and measure	ion Reclamation don Freedom Temporarily Water Dispo	Well Integrity SUBCOM Abandon sal approximate duration thereof. I pertinent markers and zones.	
Committed to AFMSS for processing by Maurice Johnson on 03/27/2001         Name       (Print:d/Typed)       MARY CORLEY       Title       AUTHORIZED REPRESENTATIVE         Signature       Date       03/22/2001         THIS SPACE FOR FEDERAL OR STATE OFFICE USE       ACCEPTED FOR RECORD         Approved By       Title       MAR         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       Office	following comple ion of the involved open testing has been completed. Final Abandu determined that the site is ready for final i Amoco Production Company rec and commingle production downl procedure. NMOCD Form C-107, and the Aztec Pictured Cliffs.	rations. If the operation results in a mo- onment Notices shall be filed only afte inspection.) quest permission to convert th hole in the Blanco Mesaverde A is being submitted separate	ultiple completion or recom r all requirements, includin e subject well from a and Aztec Pictured C ly for authority to dow	pletion in a new interval, a Fo g reclamation, have been comp dual completion to a sin- liffs Pools as per the a nhole commingle the Bl	nn 3160-4 shall be filed once oleted, and the operator has gle completion tach anco Mesaverde	
Name       (Printed/Typed)       MARY CORLEY       Title       AUTHORIZED REPRESENTATIVE         Signature       Date       03/22/2001         THIS SPACE FOR FEDERAL OR STATE OFFICE USE       ACCEPTED FOR RECORD         Approved By       Title       Title         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       Office	Electronic Submission #3168 verified by	y the BLM Well Information Syst	em for AMOCO PROD	UCTION COMPANY Se	nt to the Farmington Field Office	
Signature         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By				AUTHORIZE	D REPRESENTATIVE	
Approved By	Signature		Date	03/22/2001		
Approved By	<u></u>	THIS SPACE FOR F	EDERAL OR STAT		THE FOR RECOND	
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 Office					ALULY INDER 2001	
	Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent holds legal or equivalen	uitable title to those rights in the	not warrant or subject lease Offi		FARMINGTON FIELD OFFICE	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United