NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-617
http://emnrd.state.nm.us/ocd/District III/3dh

This form is not to
be used for reporting
packer leakage tests
in Southeast New Mexico

SEP 2003

Page
Revised 11/16/9

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

bp America Production Company

Operator __200 Energy Ct, Farmington__ Lease Name __Brown Federal J__ Well No __1__

Location of Well: Unit Letter __M__ Sec __13__ Twp __32 N__ Rge __11 W__ API # 30-045- __29029__

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	Blanco MV	GAS	FLOW	TBG
Lower Completion	Basin DK	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. Psig	Stabilized? (Yes or No)
Upper Completion	08/26/03	72 HOURS	102	YES
Lower Completion	08/26/03	72 HOURS	420	YES

FLOW TEST NO. 1

Commenced at (hour, date)*				Zone producing (Upper or Lower):	

TIME (hour, date)	LAPSED TIME SINCE*	MV PRESSURE DK		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
8/26	DAY 1	69	175		BOTH ZONES SHUT IN
8/27	DAY 2	93	315		BOTH ZONES SHUT IN
8/28	DAY 3	102	420		BOTH ZONES SHUT IN
8/29	DAY 4	108	206		FLOW LOWER ZONE
8/30	DAY 5	112	129		FLOW " ZONE
8/31	DAY 6	120	123		FLOW " ZONE

Production rate during test   DID NOT CROSS OVER - CONTINUED TEST

Oil:_____ BOPD based on_____ Bbls. in_____ Hours_____ Grav._____ GOR_____

Gas:_____ MCFPD; Tested thru (Orifice or Meter):_____

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press psig	Stabilized? (Yes or No)
Upper Completion				
Lower Completion				

(Continue on reverse side)

P

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lowr):		
TIME (hour,date)	**LAPSED TIME Since****	**MV PRESSURE OK**		**PROD. ZONE**	**REMARKS**	
		Upper Completion	Lower Completion			
9/1		.123	183		Both Zones SI	
9/2		127	315		" " "	
9/3		129	385		" " "	
9/4		101	444		Flow Upper Zone	
9/5		69	494		" " "	
9/6		63	534		" " "	

Production rate during test

Oil:_____BOPD based on_____Bbls. in_____Hours._____Grav._____GOR_____

Gas:_____MCFPD:Tested thru (Orifice or Meter):_____

Remarks:_____

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

Approved SEP - 9 2003
Mexico Oil Conservation Division

By _____
DEPUTY OIL & GAS INSPECTOR, DIST.

Title_____

Operator bp America Production Company New

By Sheri Bradshaw SB

Title Field Tech

Date 9/8/03

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected 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 test shall commence when both zones of the dual completion are shut-in for pressure stabilization. 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 days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test 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 test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test 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 except

that the previously produced zone shall remain shut-in while the zone which wa previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweigh pressure gauge at time intervals as follows: 3 hours tests: immediately prior to th beginning of each flow-period, at fifteen-minute intervals during the first hour thereo and at hourly intervals thereafter, including one pressure measurement immediatel prior to the beginning of each flow period, at least one time during each flow perio (at approximately the midway point) and immediately prior to the conclusion of eac flow period. Other pressures may be taken as desired, or may be requested o wells which have previously shown questionable test date.

24-hour oil zone tests: all pressures, throughout the entire test, shall b continuously measured and recorded with recording pressure gauges the accurac of which must be checked at least twice, once at the beginning and once at the en of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-ga dual completion, the recording gauge shall be required on the oil zone only, witl deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 day after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico oil Conservation Division on northwest new Mexico packer leakage Tes Form Revised 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).