NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Energen Resources Lease FEE Well No. 7A

Location of Well Unit "E" SEC 7 T30W R11W API#3004253880000

	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	PICTURE CLIFF	GAS	FLOW	TBG
Lower Completion	MASAVERD	GAS	INTERMENTING	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour,Date **shut in=3:30 pm 8/2/02**	Length of time shut-in 68 HER	SI press. Psig tbg=93 psi csg 94 psi	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in =3:30 PM 8/2/02	Length of time shut-in =68 HR	SI press. Psig TBG=389	StabilizedY? (es or No)

FLOW TEST NO. 1

Commenced at (hour, date)*11:30 AM 8/5/02 — Zone producing (Upper or Lower):

TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE TEMP.	REMARKS
11:30am 8/5/02	69:30 hr	93 PSI	389 PSI	81	
12:12pm 8/6/02	24:30 hr	95 PSI	51 psi	72	
12:00 pm 8/7/02	24 hr	94 PSI	264 psi	88	Compressor down
11:24 am 8/8/02	23:24 hr	94 PSI	34 psi	87	
11:30 am 8/9/02	24 hr	98 PSI	32 psi	99	

Production rate during test

Oil: .48 BOPD based on 3.33 Bbls. IN 120 Hour_____ Garv._____ GOR

Gas: 125 MCFPD; Tested thru (Orifice or Meter):

MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 3 30 8/2/02	Length of time shut-in 240 hr	SI press psig 100 psi	Stabilized? (Yes or No)
Lower	Hour, date shut-in 9:45 am 8/9/02	Length of time shut-in 72	SI press. Psig 389 psi	Stabilized? (Yes or No)

FLOW TEST NO. 2

Commenced at (hour, date)**9:45 am 8/12/02				Zone producing (Upper or Lower):	
TIME (hour,date)	LAPSED TIME Since**	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE	REMARKS
3:30pm 8/13/02	29:15hr	85 PSI	350 PSI	100	
11:40AM 8/14/02	20HR	86 PSI	360 PSI	96	
11:40 8/15/02	**24hr**	**80 psi**	**372 psi**	**99**	
11:40 8/16	**24 HR**	**79 PSI**	**380 PSI**	**100**	

Production rate during test
Oil: 0 BOPD based 0 Bbls. In 120 Hours. Grav. GOR
Gas: 24 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 AUG 19__ Operator ENERGEN RESOURCES
New Mexico Oil Conservation Division

By DANNY BUTTON

By [illegible] Title LEASE TECH

Title [illegible] Date 8/16/02

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 was previously shut-in is produced.

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

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

8. The result s of the above-described tests shall be filed in triplicate within 15 days 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 Test 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).