## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

be used for reporting peaker leakage tests

In Southeast	New Mexico	NORTHWEST NE	W MEALCO P.	J ("VEV-1	LAMA	. tm. 0						
5 New	rain Res	ources	Lese <u>5</u>	an Ju	in 31	0-4	Well 44 PC					
Ilnit D	Sec. 20	Two. 30 N			N	Cour	og Rio Arriba					
MAME OF RESERVOIR OR POOL			TYPE OF PROD. (Oil or Gos)		METHOD OF PROD. (Flow or Arl UIT)		PAGD. MEDIUM (Tog. or Cog.)					
per P.C.;		gas		flow.		Tha						
W	١,٧,		gas		flow		Tbg					
PRE-FLOW SHUT-IN PRESSURE DATA												
Hatton 4150 DM 13/8/00 1.		·4 Da	· 4 Days		84 press, pelg 840		Stabilized? (Yes or No)					
	1 1			SI press. ps		)	Ves					
			FLOW TEST	NO. 1			•					
Consmenced at (hour, data) *				Zone pr	Zone producing (Upper or Lower):							
	LAPSED TIME		Lower Completion	•			REMARKS					
00		840   990	540			Turn On P.C.						
	24 hrs	600 900	540									
- 12/14/0	34 hrs	560 800	550				<del></del>					
:												
Production race during test												
Oil: BOPD based on Bbls. in Hours Grav GOR												
Gas: MCFPD; Tested thru (Orifice or Meter):												
	_	MID-TEST SHUT-IN PRESSURE DATA										
	•	MID-TE	ST SHUT-IN PI				In the second se					
Hour, date si	•	MID-TE: - Length of time shuf-		SI press. pe			Stabilized? (Yes or Ho)					
	Mour, date she will be at thour, date and thour, date and the she will be at the she will	Energen Reservo  P.C.,  M.V.,  Hour, date shut-in  4:30 PM 13/8/00  4:30 PM 13/8/00  a et Orour, date)*  ME LAPSED TIME  SINCE*  TOO  M 13/11/00 34 hrs  ion rate during test  1 BOP.	Unit D Sec. 20 Twp. 30 N  NAME OF RESERVOIR OR POOL  P.C.,  PRE-FLO  W.V.  PRE-FLO  Langth of time shuf- Hour, date shuf-in  H-130 PM 13 8 00 Ly Do  Hour, date shuf-in  H-130 PM 13 8 00 Ly Do  State Orour, data)*  ME LAPSED TIME Upper Completion  ME SUNCE*  Upper Completion  NM 13 13 4 hrs 600 900  M 13 14 hrs 560 800  M 13 14 hrs 560 800  M 13 14 hrs 560 800  M 15 14 06 34 hrs 560 800  M 15 16 16 16 16 16 16 16 16 16 16 16 16 16	ENEUGEN RESOURCES  Lease S  Unit D Sec. 20 Twp. 30 N Rge. —  TYPE OF PRESERVOIR OR POOL  P.C.,  Gas  PRE-FLOW SHUT-IN PRESERVOIR OF Unit of time shut-in  4130 Pm 138 00 Langth of time shut-in  4130 Pm 138 00 Langth of time shut-in  4130 Pm 138 00 Langth of time shut-in  FLOW TEST  S at Proof, date)*  ME LAPSED TIME Upper Completion Lower Completion  OO 840 990 540  A 131140 34 hrs 560 800 550  MCFPD; Tested thru	ENEVAL RESOLUTCES  Lease San Jan  Unit D Sec. 20 Twp. 30 N Rgc. 41  RAME OF RESERVOR OR POOL  P.C., Gas  PRE-FLOW SHUT-IN PRESSURE  HOUR, date shut-in  4:30 Pm 13 8 00 Langth of time shut-in  4:30 Pm 13 8 00 Langth of time shut-in  4:30 Pm 13 8 00 Langth of time shut-in  HOUR, date shut-in  4:30 Pm 13 8 00 Langth of time shut-in  FLOW TEST NO. 1  S of Door, date)*  PRESSURE  PRESSURE  1 Door, date)*  S 40 990 540  A 13 14 00 3 4 hrs 560 800 550  MA 13 14 00 3 4 hrs 560 800 550  MCFPD: Tested thru (Orifice)	ENEVGEN RESERVOIR OR POOL  Unit D Sec. 20 Twp. 30 N Rge. 4W  HAME OF RESERVOIR OR POOL  P.C. GAS FILE  PRE-FLOW SHUT-IN PRESSURE DATA  PROW, date shul-in  4'80 PM 13 8 00 4 Days  FLOW TEST NO. 1  SI PTREA PRIO SHUCK AS PRESSURE DATA  PROW, date shul-in  4'80 PM 13 8 00 4 Days  FLOW TEST NO. 1  SI OTHER PRIO SHUCK AS PRESSURE  FLOW TEST NO. 1  SI OTHER PRIO SHUCK AS PRESSURE  FLOW TEST NO. 1  SI OTHER PRIO SHUCK AS PRESSURE  FLOW TEST NO. 1  SI OTHER PRIO SHUCK AS PRESSURE  PROD. ZONE  TEMP.  ON SHO 990 540  A 12 15 10 2 4 hrs 6 10 900 540  MA 12 15 10 2 4 hrs 5 10 800 550  MCFPD: Tested thru (Orifice or Meter	Energen Resources  Lease San Jaen 30.4  Unit D Sec. 20 Twp. 30 N Rge. 4W Court  RAME OF RESERVOIR OR POOL PROD. PROD. METHOD OF PROD.  PC. 9as flow  PRE-FLOW SHUT-IN PRESSURE DATA  HOUR, date shut-in 49 8 00 4 Day 840  HOUR, date shut-in 49 8 00 4 Day 840  FLOW TEST NO. 1  E at those, data) **  ME LAPSED TIME 1000 Completion Lawre Completion TEMP.  100 490 540 TUTN ON  101140 04455 560 800 550  MCFPD; Tested thru (Orifice or Meter):					

FLOW TEST NO. 2

TIME (hour, date)	LAPSED TIME SINCE * #	PRES Upper Completion	SURE Completion	PROG. 20NE	
(hour, date)	SINCE * #	Upper Completion	I I Commission		
			-	TEMP.	REMARKS
	<u> </u>				
	'				:
		•			
	,				
Production rate du	ring test				
Oil:	BOPI	D based on	Bbls. in	Hours.	Grav GOR
G25:	·	MCF	PD: Tested thru	(Orifice or Meter)	;
Remarks:		<del></del>			
·	· ————————————————————————————————————				
I hereby certify tha	it the informatio	on herein concaine	ed is true and cor	nplete to the best	of my knowledge.
Approved	DEC 2120	00	_19 O	perator EN	evgen Rasouvres
	CORETIZEDE	IAPIOU		,	120
By Make			Ti	de <u>Cea</u>	se Operator
Tide	ML & GAS INSPEC		ate 12-	-15-00	

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 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 distructed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- 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 packet leakage test shall commence when both zones of the dual completion are shut-in for pressure nabilization. Both zones shall remain shut-in until the well-head pressure in each has nabilized, 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.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6. Flow Terr'No. 2 shall be conducted even though no leak was indicated during Flow Tert No. 1. Procedure for Flow Tert No. 2 is to be the same as for Flow Tert 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-zooc tests must be necessared on each zooc with a deadweight pressure gauge at time intervals as follows: I hours tests: immediately prior to the beginning of each flow-period, at faireen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: istancediately 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 data.

24-hour oil zone testi: 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 required on the oil zone only, with deadweight pressures as required above being calons on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 13 days after completion of the test. Tests shall be filed with the Axter District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-28 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).