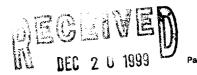
## STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

## **OIL CONSERVATION DIVISION**



	This form is not to  1999  be used for reporting Packer Leakage tests in Southeast New Mexico  1999  NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST  DIFFICULT  DIFFICULT										
Operator	GREYSTONE	ENER(	3Y , INC.	Lease	HURON		Well No. 1				
Location of Well	Unit M Sec. 2			Twp. <u>26N</u> Rge.			4W County RIO ARRIBA				
	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	PICTURED CLIFFS			GAS			FLOW	TBG			
Lower Completion	MESA VERDE			GAS	ı		FLOW	TBG			
			PRE	-FLOW SHUT-IN	N PRESSL	IRE D	)ATA				
Upper Completion	Hour, date shut-in 8-19-99		) [1	Length of time shut-in 3 DAYS			SI press. psig 256	Stabilized? (Yes or No)			
Lower Completion	Hour, date shut-in 8-19-99			Length of time shut-in 3 DAYS			SI press. psig 358	Stabilized? (Yes or No)			
Completion	10-10-00			L	N TEST N	O 1					
Commenced	l at (hour, date) *	8-22-99	9 <u> </u>				Jpper or Lower):	LOWER			
TIME (hour, date)	TIME LAPSED TIME PRESS			PROD. ZONE Lower Completion TEMP.			REMARKS				
8/20		<b>csg</b> 210	<b>tbg</b> 210	288	-		Both Zones Shut In				
8/21		222	222	327			Both Zones Shut In				
8/22		256	256	358			Both Zones Shut In				
8/23	1 day	260	260	134			Lower Zone Flowing				
8/24	2 days	261	261	134			Lower Zone Flowing				
Production Oil:	n rate during te			Bbls. in		Hours	g Grav.	GOR			
Gas:	36	1364 611		MCFPD: Tested th	nru (Orifice o						
			: MID.	TEST SHUTJN I	PRESSUR	F DA	TA				
Upper Completion	Hour, date shut-in			EST SHUT-IN PRESSURE DAT			St press. psig	Stabilized? (Yes or No)			
Lower	Hour, date shut-in			Length of time shut-in			SI press. psig	Stabilized? (Yes or No)			

FLOW TEST NO. 2

Commenced at (hour, d	ete) **		Zone producing (Upper or Lower:					
TIME (hour, date)	LAPSED TIME SINCE **	PRES	SURE	PROD. ZONE	REMARKS			
		Upper Completion	Lower Completion	TEMP.				
···								
				·				
roduction rate d	uring test							
Dil:	BOPE	based on	Bbls. in	Hours.	Grav GOR	्रंक -		
25:		МСГР	D: Tested that (	Orifice or Meter):	·			
ėmarks:								
hereby certify tha	at the information	herein contained			of my knowledge.			
pproved		rision	.19' Op	erator / Grey	stone Energy, Inc.			
	·		Ву	KayAle	kelin			
ORIGI	NAL SIGNED BY CH	APLIE T. PERMIN	Tit	e PRODUC	CTION ANALYST			
UEBA	JTY OIL & GAS INS	DECTAR NAT	• •	10/5/	,			

## 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 semedial work has been done on a well during which the packer or the rubing have been discushed. 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 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.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

- 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 as hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: 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 data.
- 24-hour oil zone tess: 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 camitest, 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 taken on the gas zone.
- 8. The results 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 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravier and GOR (oil zones only).