STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Revised 10/01/78

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This form is not to

be used for reporting Packer Leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

1998

OIL COR. DAY.

Operator	CHATEAU OIL AND GAS, INC			Lease TRIBAL			[月] (3) (3) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6		
Location of Well	Unit M	Sec.	5	Twp.	26N	Rge.	3W	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	GALLUP			GAS			FLOW		TBG
Lower Completion	DAKOTA			GAS			FLOW		TBG
			PRE	-FLOW SHUT-IN	PRESSL	JRE D			
Upper	pper Hour, date shut-in			Length of time shut-in			SI press. psig		Stabilized? (Yes or No)
Completion	7-15-98			3 DAYS			70		YES Stabilized? (Yes or No)
Lower	Hour, date shut-in			Length of time shut-in 3 DAYS			SI press. psig 85		YES
Completion	7-15-98						100		
		7/40/00		FLOV	V TEST N		Inner or Lowert	7-	LOWER
	d at (hour, date) * 7/18/98			Zone producing (Upper or Lower):				<u> </u>	
TIME (hour, date)	LAPSED TIME Since *	Upper Cor	PRESSURE	Lower Completion	TEMP.		REMARKS		
(nour, date)	Onico	csg	tbg	tbg				···	
7-16		705	70	85			Both Zones	Shut In	
7-17		705	70	85			Both Zones Shut In		
7-18		705	70	85			Both Zones	Shut In	
								Flancia	
7-19	1 DAY	705	70	0			Lower Zone Flowing		
7-20	2 DAYS	705	70	0			Lower Zone	Flowing	
	n rate during te			Bbls. in		Hours	•	Grav.	GOR
Oil:		ised on		-	· · · · · · · ·			0.0	
Gas:	52	·		MCFPD: Tested th	ru (Orifice or	Meter) METER		
			MID-	TEST SHUT-IN F	RESSUR	E DA	TA		
Upper Completion	Hour, date shut-in			Length of time shut-in			SI press. psig		Stabilized? (Yes or No)
Lower	Hour, date shut-in			Length of time shut-in			SI press. psig		Stabilized? (Yes or No)
Completion				<u>.l</u>					

FLOW TEST NO. 2

			Zone producing (Upper or Lower):				
Commenced at (hour, d		PRES	PROD. ZONE	REMARKS			
TIME (hour, date)	LAPSED TIME SINCE **	Upper Completion	Lower Completion	TEMP.			
(inder* pera)				1			
	` ·						
				 			
				<u> </u>			
Production rate	during test						
	_ 3	_	nul. :-	Hours	Grav GOR		
Oil:	BOI	PD based on	BDIS. II	1 110013	Grav GOR		
C		мст	PD: Tested thru	(Orifice or Meter	r):		
Gas:				•			
Remarks:							
I barabu sarrifu	that the informat	rion herein contair	ned is true and co	omplete to the be	st of my knowledge.		
i nereby certify	M A	D 1 ~ 1000	- ·-	Gre	ystone Energy, INC.		
Approved	114	IR 15 1999	19 (Operator /	NA A		
New Mexico	Oil Conservation	Division	•	Naux)	Carleir		
/	1 -17		i	/			
- ()	MiTHON.		•	Title PROD	DUCTION ANALYST		
By Little	4/ REUN	~					
Title	UTY OIL & GAS INS	PECTOR, DIST. #8		Date3/18	2/99		
1106				/			

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.

- 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 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 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 cash 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 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 gravity and GOR (oil zones only).