ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

1999

Revised 10/01/78

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be used for reporting Packer Leakage tests in Southeast New Mexico

This form is not to

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

perator _	GREYSTONE	ENERGY	, INC.	Lease CHAMPLIN			Well No. 4			
ocation Well	Unit <u>F</u>	Sec.	35	Twp.	27N R	ge	4W Coun	ty RIO ARRIBA		
	NAME OF RESERV	OIR OR POOL		TYPE OF PROD. (Oil or Gas)			METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)		
pper ompletion	PICTURED C	LIFFS		GAS			FLOW TBG			
ower	DAKOTA			GAS			FLOW TBG			
			PRE	-FLOW SHUT-IN	PRESSU	RE D	ATA			
Jpper	Hour, date shut-in			Length of time shut-in			SI press, psig	Stabilized? (Yes or No)		
Completion	4-15-00			3 DAYS			245	YES Stabilized? (Yes or No)		
ower	Hour, date shut-in		Length of time shut-in			SI press. psig 725	YES			
Completion	4-15-00	·		3 DAYS			1/25			
Commerces	at (hour date) *	4-18-00		FLOY	V TEST NO		Upper or Lower):	LOWER		
TIME	d at (hour, date) * 4-18-00				PROD. ZONE					
(hour, date)	Since *	Linner Cor		Lower Completion TEMP.			REMARKS			
(nour, date)	000	Upper Completion CSG tbg		tbg	1					
4-16		100		600			Both Zones Shut Ir	1		
4-17		240	240	700		Both Zones Shut In				
4-18		245	245	725		Both Zones Shut In				
4-19	1 DAY	250	250	155		Lower Zone Flowing				
4-20	2 DAYS	250	250	155		Lower Zone Flowing				
Producti	on rate during	test								
Oil:	BOPD based on			Bbls. in Ho			rs Grav.	GOR		
Gas:	43			MCFPD: Tested	thru (Orifice o	r Met	er) METER			
			MIC	D-TEST SHUT-IN	PRESSU	RE D	ATA	·		
Upper Completion	Hour, date shut-in			Length of time shut-in			St press, psig	Stabilized? (Yes or No)		
Lower	Hour, date shut-in			Length of time shut-in			St press, psig	Stabilized? (Yes or No)		
Compressi				(Continu	ue on reverse	side)		32425		

FLOW TEST NO. 2

Commenced	at (hour, date) **			Zono Producina /	11.					
Time	LAPSED TIME	PRES	SURE	Zone Producing (Upper or Lower):	or Lower):				
(hour, date)	SINCE **		Lower Completion	TEMP.	REMARKS					
				 						
·····										
	<u></u>									
Production	rate during test									
	_									
Oil:	BOPD b	pased on	Bbls. in	Hrs.	Grav GOR					
Gas:		MCFPD: Tested th								
Remarks:			,							
· - -										
I hereby cert	tify that the internation	nderain populained is to	rue and complete to t	the best of my know	vledne					
Approved										
		2000	Oper	ator <u>GREYS</u> T	ONE ENERGY, INC.					
	co Oil Conservati				11/1/1/1					
C	ALGINAL SIGNED B	Y CHARLE T. PERR	Ву	By Kays Celestein						
Ву				Title PRODUCTION ANALYST						
Title	DEPUTY OIL & GA	S INSPECTOR, DIST.	#3 Date	Date 4/25/60						
				/	/					

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 distributed. 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 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 almosphere due to the lack of a pipeline connection the flow period shall be three hours.
- Following completion of Flow Test No. 1, the well shall again be shut-in in accordance with Paragraph 3 above.
- 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 dead-weight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen-nminute 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 oit 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 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 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 10-01-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only)