

NEW MEXICO OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Operator WILLIAMS PRODUCTION Lease Name Cox Canyon Unit

Well
No. 009B COM DK/MV

Location Of Well: Unit Letter B Sec 20 Twp 32N Rge 11W API # 30-0 4533926

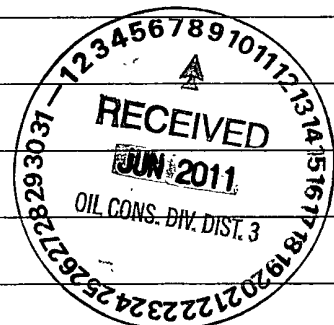
	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. Or Csg.)
Upper Completion	<u>MV</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>
Lower Completion	<u>DK</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>

Pre-Flow Shut-In Pressure Data

Upper Completion	Hour, Date, Shut-In <u>1300 hr. 5/12/2011</u>	Length of Time Shut-In <u>130 hrs</u>	SI Press. Psig <u>174</u>	Stabilized? (Yes or No) <u>Yes</u>
Lower Completion	Hour, Date, Shut-In <u>1300 hr. 5/12/2011</u>	Length of Time Shut-In <u>130 hrs</u>	SI Press. Psig <u>374 psig.</u>	Stabilized? (Yes or No) <u>Yes</u>

Flow Test No. 1

Commenced at (hour, date)*		0900, 5/18/2011		Zone producing (Upper or Lower):		Lower DK
Time (Hour, Date)	Lapsed Time Since*	Pressure		Prod. Zone Temp.	Remarks	
		Upper Compl.	Lower Compl.			
0900, 5/18/11	24 hrs	Csg. 167	Tbg. 65	78°	Tbg. on DK Dropped to 140 psig after 18 min.	
0900 5/20/11	24 hrs	Csg. 165	Tbg. 63	81°		
0900 5/21/11	24 hrs	Csg. 166	Tbg. 63	81°		
0900 5/22/11	24 hrs	Csg. 166	Tbg. 63	82°		
0900 5/23/11	24 hrs	Csg. 167	Tbg. 63	82°		
0930 5/24/11	24.5 hrs.	Csg. 168	Tbg. 59	82°		



Production rate during test

Oil: _____ BOPD based on _____ Bbls. In _____ Hrs. _____ Grav. _____ GOR _____

Gas: 560 MCFPD; Test thru (Orifice or Meter): Orifice, Average mcfpd _____

Mid-Test Shut-In Pressure Data

Upper Completion	Hour, Date, Shut-In <u>5-24-2011 09:30</u>	Length of Time Shut-In <u>167.5 hours</u>	SI Press. Psig <u>217</u>	Stabilized? (Yes or No) <u>(Yes)</u>
Lower Completion	Hour, Date, Shut-In <u>5-24-2011 09:30</u>	Length of Time Shut-In <u>167.5 hours</u>	SI Press. Psig <u>418</u>	Stabilized? (Yes or No) <u>(Yes)</u>

(Continue on reverse side)

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Flow Test No. 2

Commenced at (hour, date)**		09:00 5/31/2011		Zone producing (Upper or Lower):	
				Upper	
Time (Hour, Date)	Lapsed Time Since**	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
08:00 6-1-11	23 hrs.	Csg. 172	Tbg. 427	73	
08:00 6-2-11	24 hrs	Csg. 181	Tbg. 433	76	Coyote Downstream compression down for 17 hrs. for ESD Test. and mech.
08:00 6-3-11	24 hrs	Csg. 169	Tbg. 436	77	
08:00 6-4-11	24 hrs	Csg. 159	Tbg. 440	73	
8:00 6-5-11	24 hrs	Csg. 152	Tbg. 447	79	
10:00 6-6-11	26 hrs	Csg. 145	Tbg. 451	75	

Production rate during test

Oil: _____ BOPD based on _____ Bbls. In _____ Hrs. _____ Grav. _____ GOR _____

Gas: 409 MCFPD; Test thru (Orifice or Meter): Orifice

Remarks: NO flow for 17 hours 6/1/11 - 6/2/11 ESD Test and mech. work on Coyote comp. station

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved _____ 20 _____

New Mexico Oil Conservation Division

By Chad

Title SUPERVISOR DISTRICT # 3

Operator Williams E4P

By David Snedden David Snedden

Title Sr Field Tech.

E-mail Address david.snedden@williams.com

Date 6-6-11

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 case of a gas well and 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 hour 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 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 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 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).