

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

This form is not to  
be used for reporting  
packer leakage tests  
in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

RECEIVED  
MAY 24 1995  
OIL CONSERVATION DIVISION  
MAY 24 1995

Page 1  
Revised 10/01/78

Operator SNYDER OIL CORPORATION Lease SOUTHERN UNION Well No. 1  
Location of Well: Unit M Sec. 19 Twp. 31 Rgc. 12W County San Juan

	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	MESA VERDE (NP)	GAS	FLOW	TBG
Lower Completion	DAKOTA	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	N/A	N/A	460	Yes
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	10/28/94	3 days	460	Yes

FLOW TEST NO. 1

Commenced at (hour, date)* <u>Oct. 31, 1994</u>					Zone producing (Upper or Lower): <u>Lower</u>	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS	
		Upper Completion	Lower Completion			
10/29		csg tbg 420 420	tbgs 420		Both zones shut in	
10/30		450 450	450		Both zones shut in	
10/31		460 460	460		Both zones shut in	
11/01	1 day	400 400	285		Lower zone flowing	
11/02	2 day	400 400	295		Lower zone flowing	

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbbl. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: 61 MCFPD; Tested thru (Orifice or Meter): METER

MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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## FLOW TEST NO. 2

Commenced at (hour, date) **			Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

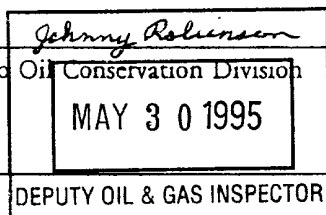
Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

Remarks: \_\_\_\_\_

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

Approved \_\_\_\_\_ 19 \_\_\_\_\_  
 New Mexico Oil Conservation Division  
 By \_\_\_\_\_  
 Title \_\_\_\_\_



Operator SNYDER OIL CORPORATION  
 By \_\_\_\_\_  
 Title PRODUCTION TECHNICIAN  
 Date 11/9/94

## 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.
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 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 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 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address CHATEAU OIL AND GAS, INC. 2515 MCKINNEY AVENUE, SUITE 840 DALLAS, TX 75201		<sup>2</sup> OGRID Number 159819
		<sup>3</sup> Reason for Filing Code CH
<sup>4</sup> API Number 30-045-10479	<sup>5</sup> Pool Name BIANCO MESAVERDE	<sup>6</sup> Pool Code 72319
<sup>7</sup> Property Code	<sup>8</sup> Property Name SOUTHERN UNION (MV) (PSI)	<sup>9</sup> Well Number 1

II. <sup>10</sup> Surface Location

UL or lot no. M	Section 19	Township 31N	Range 12W	Lot Idn	Feet from the 1090	North/South Line S	Feet from the 1090	East/West line W	County SJ
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<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Log Code F	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
	WILLIAMS FIELD SERVICE P.O. BOX 58900	2283730	G	
	SALT LAKE CITY, UT 84158	2283710	O	
	GIANT REFINING CO. P.O. BOX 256			
	FARMINGTON, NM 87499			

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
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V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBTD	<sup>29</sup> Perforations	<sup>30</sup> DHC, DC, MC
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: DANA M. DUTCHER

Title: PRESIDENT

Date: 11/1/96

Phone: 214/953-0198

OIL CONSERVATION DIVISION

Approved by:

Title: SUPERVISOR DISTRICT #3

Approval Date:

FEB - 3 1997

"If this is a change of operator fill in the OGRID number and name of the previous operator

TERRY L. SAVAGE

ATTORNEY-IN-FACT

Previous Operator Signature

Printed Name

Title

Date

SNYDER OIL CORPORATION 21042 OR 21030

New Mexico Oil Conservation Division

District I

PO Box 1960, Hobbs, NM 88241-1960

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
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Santa Fe, NM 87505

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4 API Number 30-045-10479		5 Pool Name BASIN DAKOTA	
7 Property Code		6 Pool Code 71599	
8 Property Name SOUTHERN UNION (DK)		9 Well Number	

II. 10 Surface Location

UL or lot no. M	Section 19	Township 31N	Range 12W	Lot Idn	Feet from the 1090	North/South Line S	Feet from the 1090	East/West line W	County SJ
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11 Bottom Hole Location

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	GIANT REFINING CO. P.O. BOX 256 FARMINGTON, NM 87499	2283610	O	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
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V. Well Completion Data

25 Spud Date	26 Ready Date	27 TD	28 PBTD	29 Perforations	30 DHC, DC, MC
31 Hole Size	32 Casing & Tubing Size	33 Depth Set	34 Sacks Cement		

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date	38 Test Length	39 Tbg. Pressure	40 Csg. Pressure
41 Choke Size	42 Oil	43 Water	44 Gas	45 AOF	46 Test Method

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: DANA M. DUTCHER

Title: PRESIDENT

Date: 11/1/94

Phone: 214/953-0198

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

328  
SUPERVISOR DISTRICT #3

FEB - 3 1997

\* If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

TERRY L. SAVAGE

Printed Name

ATTORNEY-IN-FACT

Title

Date

SNYDER OIL CORPORATION 21042 OR 21030

New Mexico Oil Conservation Division