

**OIL CONSERVATION DIVISION**  
**2040 South Pacheco**  
**Santa Fe, NM 87505**

Instructions on back  
Submit to Appropriate District Office  
5 Copies

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address ENERGEN RESOURCES CORPORATION 2198 Bloomfield Hwy Farmington NM 87401		<sup>2</sup> OGRID Number 162928
		<sup>3</sup> Reason for Filing Code CH 10-1-98
<sup>4</sup> API Number 30-0 30-039-05926	<sup>5</sup> Pool Name S BLANCO PICTURED CLIFFS	<sup>6</sup> Pool Code 72439
<sup>7</sup> Property Code 21919	<sup>8</sup> Property Name HALL	<sup>9</sup> Well Number 3

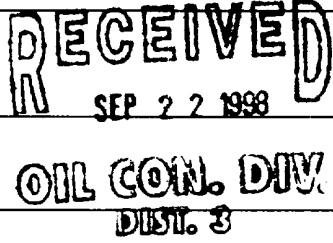
**II. <sup>10</sup> Surface Location**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	21	25N	03W		1495	N	1190	E	RA

**<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> Lse 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
				

**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> PBTB	<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**

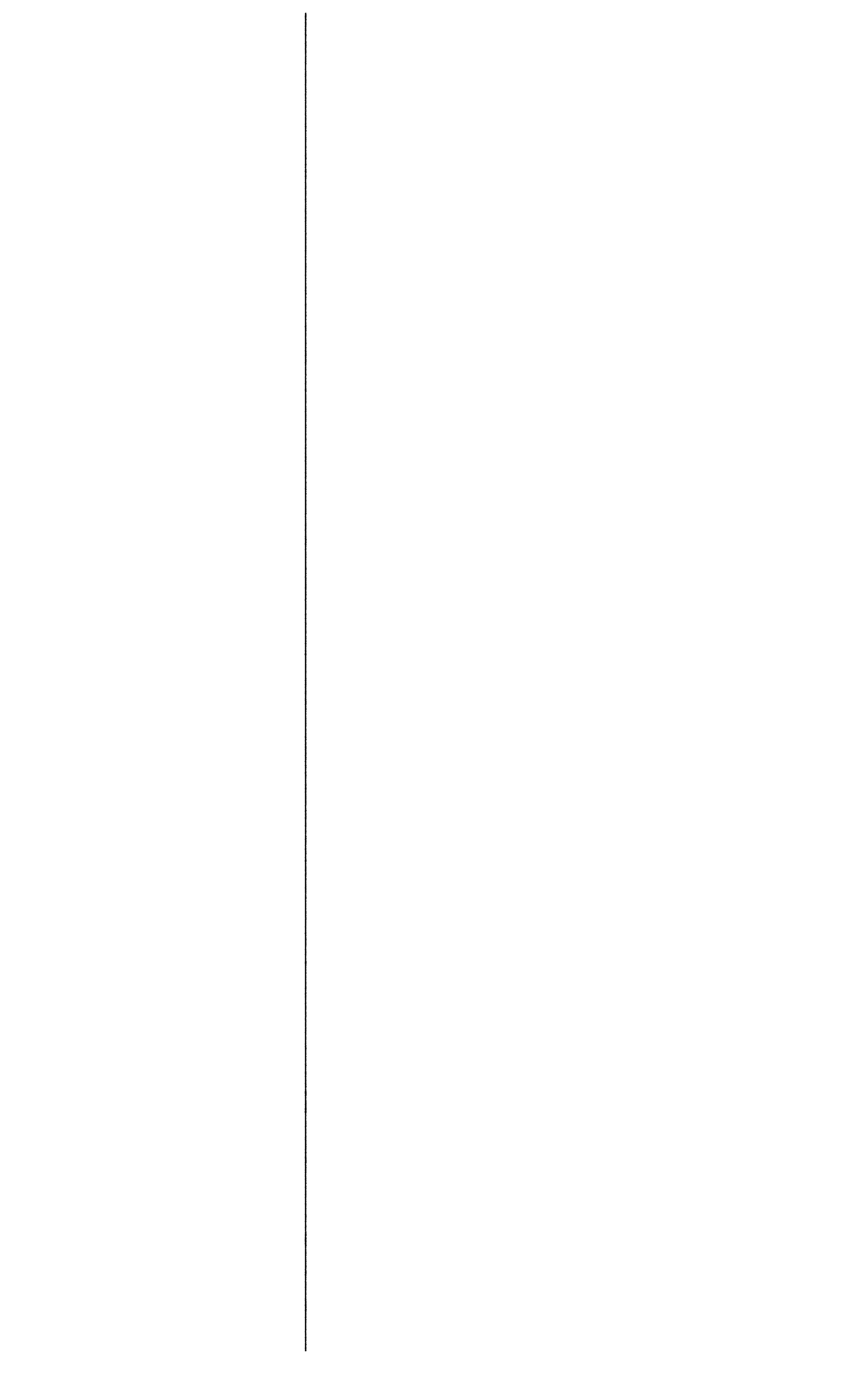
<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup> 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: Original signed by Joe Niederhofer  
Title: General Manager  
Date: 17-Sep-98 Phone: 505-325-6800

OIL CONSERVATION DIVISION	
Approved by:	<i>J. S.</i>
Title:	SUPERVISOR DISTRICT #3
Approval Date:	OCT 1 1998

<sup>47</sup> If this is a change of operator fill in the OGRID number and name of the previous operator			
Taurus Exploration U.S.A., Inc. #162928		1-Oct-98	
Previous Operator Signature	Printed Name	Title	Date



HALL 4

M 21 25N 03W

30-039-05874

870/S 1070/W

F



WELL DELIVERABILITY TEST REPORT FOR 19 91

POOL NAME Tapacito	POOL SLOPE n= 0.85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
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COMPANY Southern Union Exploration			WELL NAME AND NUMBER Jicarilla D 1		
UNIT LETTER D	SECTION 52	TOWNSHIP 128N	RANGE R3W	PURCHASING PIPELINE ELNN	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.366	SET AT DEPTH - FEET 3851	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 3805
FROM 3818		GAS PAY ZONE 3844		WELL PRODUCING THRU TUBING	
DATE OF FLOW TEST 8-27-91		DATE SHUT-IN PRESSURE MEASURED 9-10-91		GAS GRAVITY 0.727	
FROM		TO		GRAVITY x LENGTH 2766	

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
0	284	326	336	-10	-42	324
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. P <sub>t</sub> = (h + f)	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P <sub>c</sub> = higher value of (j) or (k)	(m) Del. Pressure P <sub>d</sub> = _____ % P <sub>c</sub>	(n) Separator or Dehydrator Pr. (DWt) for critical flow onl
314	272	288	288	288	0.7 202	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 0	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 0.9702	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 0.9850	Corrected Volume Q = 0 MCF
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WORKING PRESSURE CALCULATION

$(1 - e^{-5})$ 0.176	$(F_c Q_m)^2 (1000)$ 0.000	$R^2 = (1 - e^{-5}) (F_c Q_m)^2 (1000)$ 0.00	$P_t^2$ 73984	$P_w^2 = P_t^2 - R^2$ 73984	$P_w = \sqrt{P_w^2}$ 272
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DELIVERABILITY CALCULATION

$$D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 0 \left[ \left( \frac{42301}{8960} \right)^n (4.7211)^n 2.0000 \right] = 0 \text{ MCF}$$

**RECEIVED**

NOV 12 1991

SUMMARY	Oil CON. DIST. 3	Southern Union Exploration
Item h _____	By _____	Testing technician
P <sub>c</sub> _____	Title _____	
Q _____	Witnessed By _____	
P <sub>w</sub> _____	Company _____	
P <sub>d</sub> _____		
h _____		