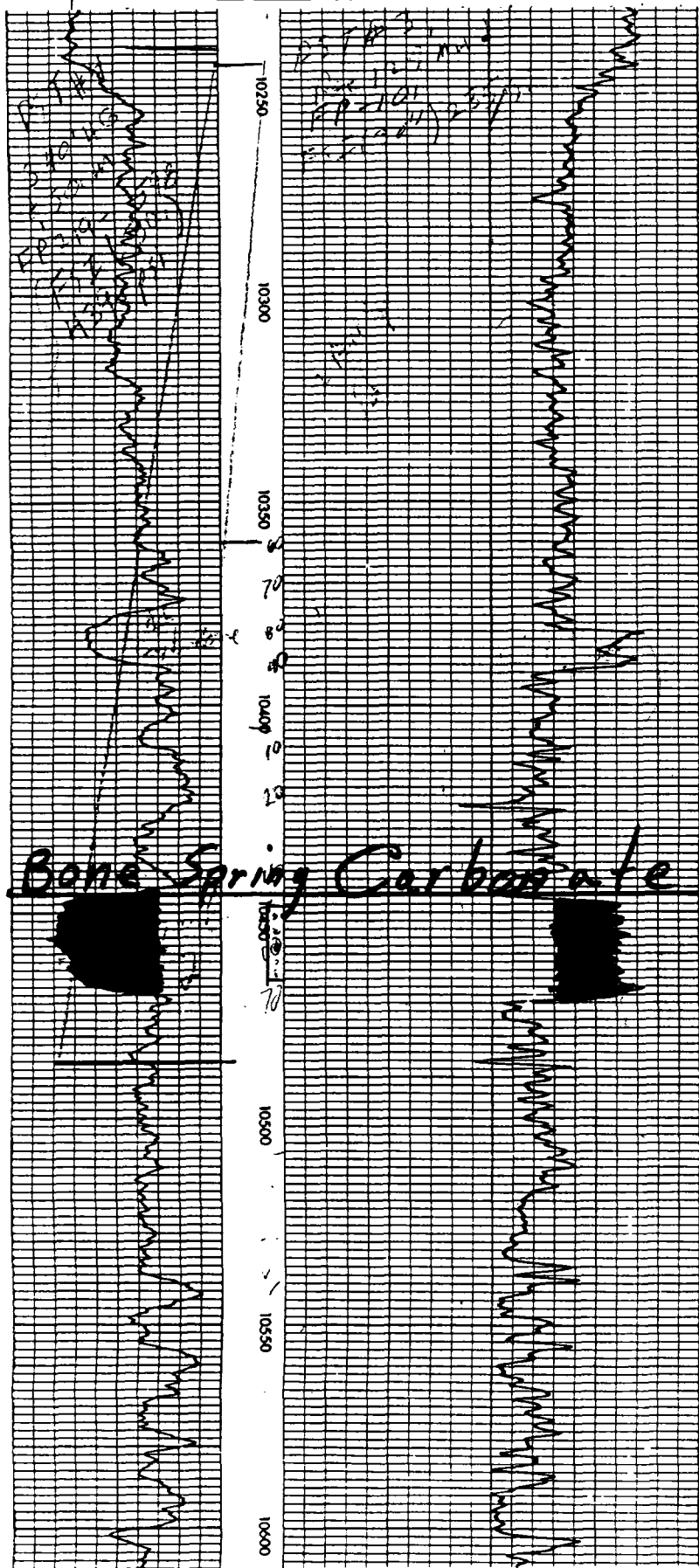


Case No. 12003 (De Novo) Exhibit No. 3

Submitted by: Manzano Oil Corporation

Hearing Date: November 16, 1998

		ACOUSTIC VELOCITY LOG	
COMPANY <u>JAKE L. HAMON</u>			
WELL <u>NORTHEAST LYNCH UNIT # 1</u>			
FIELD <u>WILDCAT</u>			
COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>			
Location <u>1980' FNL 660' FEL</u>		Other Services Cont-Cal Ind-Elec	
Sec. <u>17</u>	Top <u>20-S</u>	Bgt <u>35-E</u>	
Permanent Datum <u>Ground Level</u> Elev. <u>3699.7</u>		Elev. K.B. <u>3722</u>	
Log Measured From <u>K.B.</u> <u>22.3</u> Ft. Above Perm. Datum		D.F. <u>3721.4</u>	
Drilling Measured From <u>Kelly Bushing</u>		G.L. <u>3699.7</u>	
Date	<u>3-21-63</u>	<u>4-7-63</u>	<u>4-14-63</u>
Run No.	<u>One</u>	<u>Two</u>	<u>Three</u>
Depth-Driller	<u>13.396</u>	<u>13.839</u>	<u>14.157</u>
Depth-Wells	<u>13.374</u>	<u>13.829</u>	<u>14.147</u>
Blm. Log Inter.	<u>13.320</u>	<u>13.760</u>	<u>14.140</u>
Top Log Inter.	<u>Surf</u>	<u>13.760</u>	<u>14.140</u>
Casing-Driller	<u>9-5/8 @ 498</u>	<u>5.498</u>	<u>5.498</u>
Casing-Wells	<u>-</u>	<u>-</u>	<u>14.148</u>
Bit Size	<u>8-3/4"</u>	<u>8-3/4"</u>	<u>8-3/4"</u>
Type Fluid in Hole	<u>Mud</u>	<u>Mud</u>	<u>Mud</u>
Dens. Visc.	<u>10.4 @ 60</u>	<u>12.8 @ 90</u>	<u>12.6 @ 85</u>
pH Fluid Loss	<u>9.0 @ 15.8 ml</u>	<u>9.5 @ 8 ml</u>	<u>9.5 @ 5 ml</u>
Source of Sample	<u>Circulating</u>	<u>Circulating</u>	<u>Circulating</u>
R. @ Max. Temp.	<u>1.12 @ 88°F</u>	<u>1.12 @ 80°F</u>	<u>1.12 @ 80°F</u>
T. @ Max. Temp.	<u>55 @ 82°F</u>	<u>60 @ 67°F</u>	<u>60 @ 62°F</u>
T. @ Min. Temp.	<u>2.32 @ 82°F</u>	<u>1.96 @ 62°F</u>	<u>2.1 @ 60°F</u>
Source of Sample	<u>Mud</u>	<u>Mud</u>	<u>Mud</u>
R. @ 80°F	<u>.90 @ 68°F</u>	<u>.60 @ 17.3°F</u>	<u>.56 @ 17.3°F</u>
Time Since Circ.	<u>68°F @ 13.74</u>	<u>74°F @ 18.29</u>	<u>18.2°F @ 14.17</u>
Max. Rec. Temp.	<u>71.21</u>	<u>71.21</u>	<u>71.21</u>
Equip. Location	<u>Hobbs</u>	<u>Hobbs</u>	<u>Hobbs</u>
Recorded By	<u>Ayres & Scolt</u>	<u>Ayres & Scolt</u>	<u>Ayres & Scolt</u>
Witnessed By	<u>Pittman</u>	<u>Shaw</u>	<u>Pittman</u>



RENAMED
MANZANO OIL CORPORATION'S
APPLESEED FEDERAL #1

ϕ = 8%
Sw = 35%
h = 22'