

Schlumberger

BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

COUNTY <u>EDDY</u> FIELD or LOCATION <u>SOUTH CARLSBAD</u> WELL <u>GULF FEDERAL #2</u> COMPANY <u>PENNZOIL UNITED</u>	COMPANY <u>PENNZOIL UNITED, INC.</u>	BEFORE EXAMINER NUTTER		
		OIL CONSERVATION COMMISSION		
		<u>Pennzoil</u> EXHIBIT NO. <u>65</u>		
	WELL <u>GULF</u>	CASE NO. <u>5587</u>		
	FIELD <u>SOUTH CARLSBAD</u>			
	COUNTY <u>EDDY</u> STATE <u>NEW MEXICO</u>			
	LOCATION <u>1980' FSL & 990' FWL</u>		Other Services: DLL	
	Sec. <u>6</u> Twp. <u>23-S</u> Rge. <u>27-E</u>			
Permanent Datum: <u>G.L.</u> , Elev. <u>3212</u>		Elev.: K.B. <u>3232</u>		
Log Measured From <u>K.B.</u> , <u>20</u> Ft. Above Perm. Datum		D.F. <u>3230</u>		
Drilling Measured From <u>K.B.</u>		G.L. <u>3212</u>		
Date	<u>12-22-71</u>	<u>1-24-72</u>		
Run No.	<u>ONE</u>	<u>TWO</u>		
Depth—Driller	<u>5355</u>	<u>11833</u>		
Depth—Logger	<u>5354</u>	<u>11839</u>		
Btm. Log Interval	<u>5352</u>	<u>11830</u>		
Top Log Interval	<u>0</u>	<u>5352</u>		
Casing—Driller	<u>13 3/8@ 355</u>	<u>9 5/8@ 5355</u>	@	@
Casing—Logger				
Bit Size	<u>12 1/4</u>	<u>8 1/4</u>		
Type Fluid in Hole	<u>SALT MUD</u>	<u>SALT</u>		
Dens.	<u>10.0</u>	<u>29</u>	<u>9.6</u>	<u>36</u>
pH		<u>ml</u>	<u>6.5</u>	<u>12 ml</u>
Fluid Loss				
Source of Sample	<u>PIT</u>	<u>CIRC</u>		
R _m @ Meas. Temp.	<u>.047@ 74°F</u>	<u>.15 @ 68°F</u>	@ °F	@ °F
R _{mf} @ Meas. Temp.	<u>.044@ 74°F</u>	<u>.12 @ 70°F</u>	@ °F	@ °F
R _{mc} @ Meas. Temp.	<u>@ °F</u>	<u>@ °F</u>	@ °F	@ °F
Source: R _{mf} R _{mc}	<u>M</u>	<u>M</u>		
R _m @ BHT	<u>.038@ 94°F</u>	<u>.06 @ 175°F</u>	@ °F	@ °F
Time Since Circ.	<u>9 HOURS</u>			
Max. Rec. Temp.	<u>94 °F</u>	<u>175 °F</u>	°F	°F
Equip. Location	<u>7031 HOBBS</u>	<u>7646 HOBBS</u>		
Recorded By	<u>WALLS</u>	<u>WILSON</u>		
Witnessed By	<u>BERGER</u>	<u>BERGER</u>		