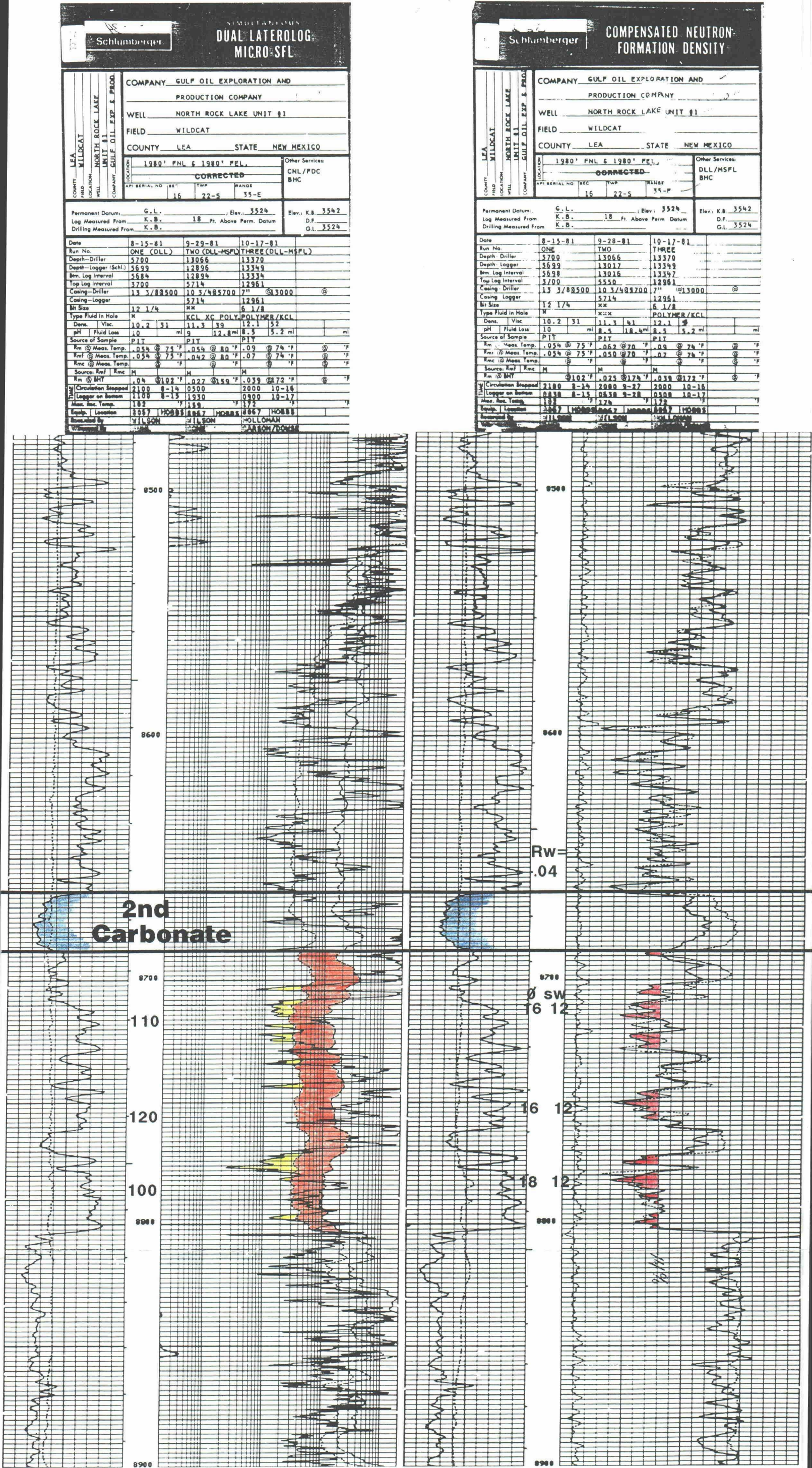
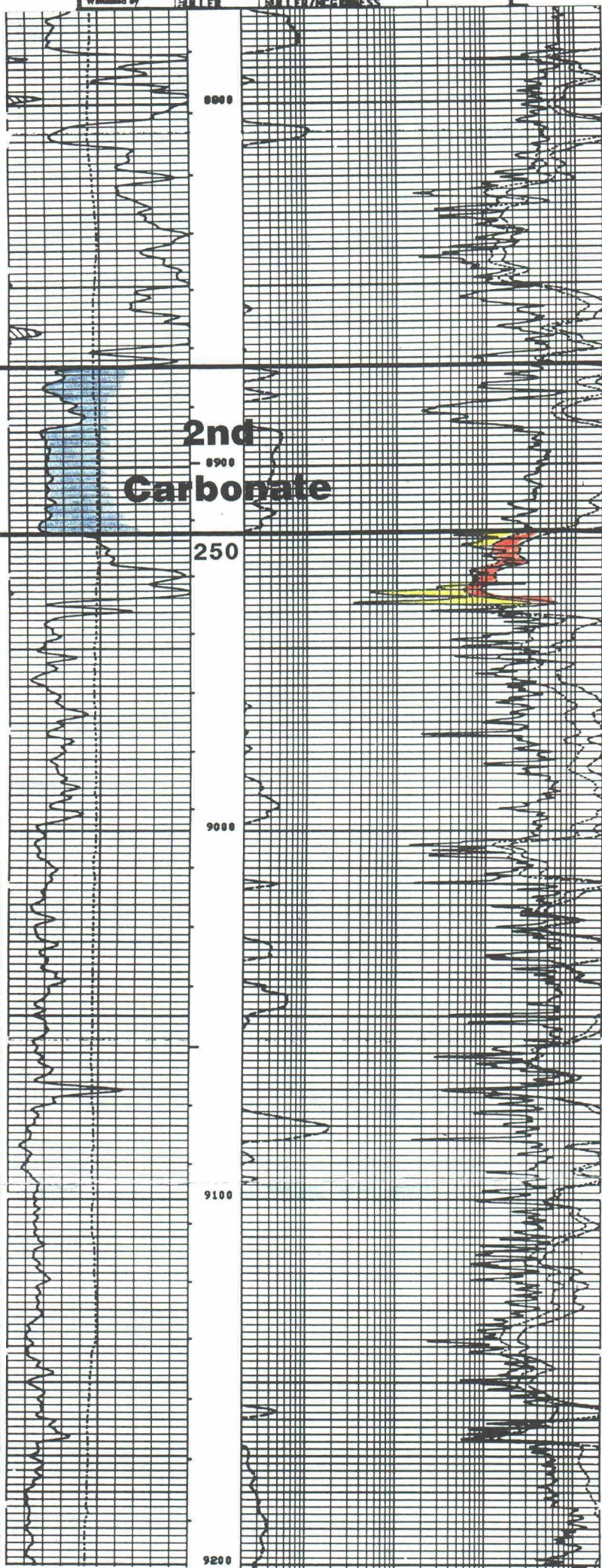


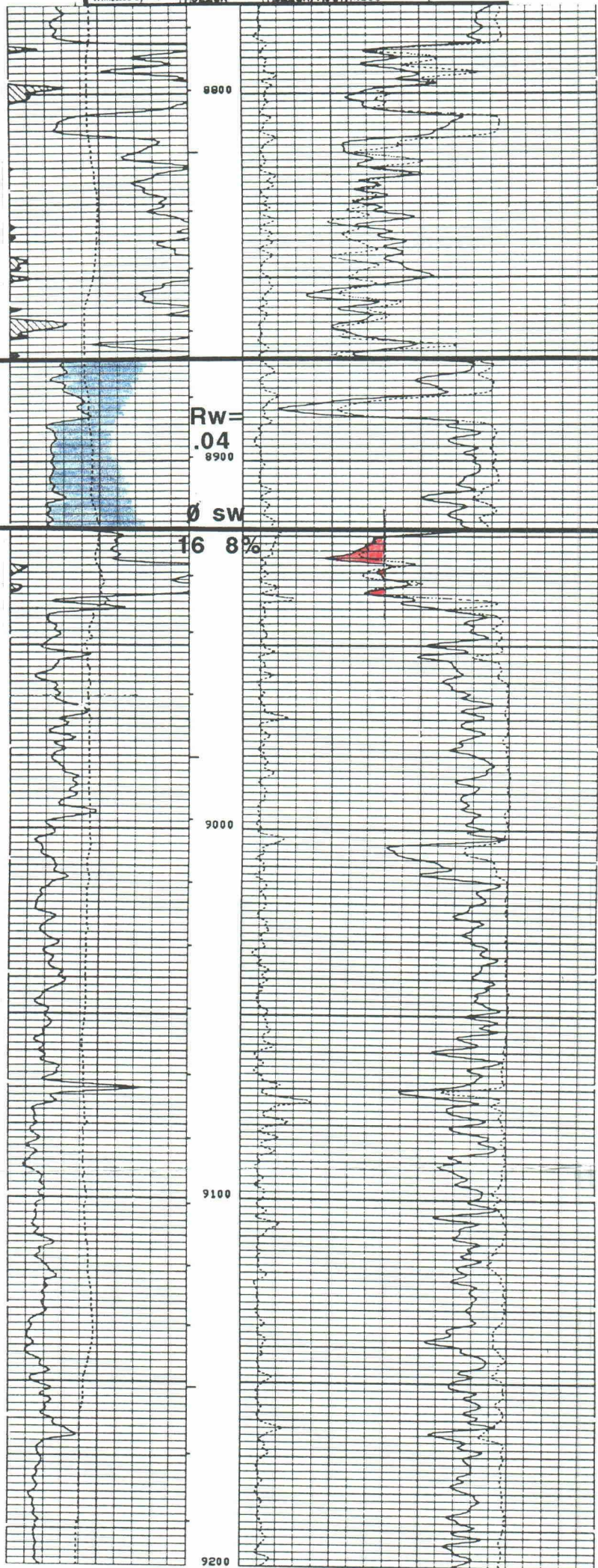
KEY WELL

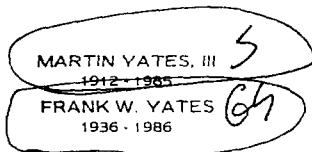


Schlumberger		SIMULTANEOUS DUAL LATEROLOG MICRO-SFL	
COMPANY AMOCO PRODUCTION COMPANY			
API #20-025-26559			
WELL STATE GC COM #1			
FIELD WILDCAT			
COUNTY LEA STATE NEW MEXICO			
LOCATION 660' FSL & 1980' FEL		Other Services CNL/FDC BHC	
API SERIAL NO.	SEC	TWP	RANGE
	7	22-5	35-E
Permanent Datum: CL OF 2" BHO		Elev. RDB 3623	
Log Measured From RDB		D.F. 3603	
Drilling Measured From RDB		G.L. 3603	
Date	2-5-80	3-24-80	
Run No.	ONE	TWO	
Depth-Driller	11250	13510	
Depth-Logger	11245	13506	
Base Log Interval	11243	13492	
Top Log Interval	5701	11246	
Casing-Driller	1034@5700	7578@11250	
Casing-Logger	5701	11246	
Bit Size	9 1/2	6 1/2	
Type Fluid in Hole	BRINE	SALT MUD	
Dens.	8.8	12.6	37
pH	9.5	8	6.4
Fluid Loss	9.5	8	6.4
Source of Sample	CIRC	CIRC	
Rm @ Meas. Temp.	105 @ 62°F	123 @ 54°F	
Rmf @ Meas. Temp.	105 @ 62°F	092 @ 54°F	
Rmc @ Meas. Temp.			
Source: Rmf Rmc			
Rm @ BHT	55 @ 130°F	037 @ 180°F	
Circulation Stopped	0800	1900	3-23
Logger on Bottom	1400	0200	3-24
Max. Rec. Temp.	130	176	
Equip. Location	8067 HOBBS	8075 HOBBS	
Recorded By	ZIMMERLY	HOWARD	
Witnessed By	MULLER	MULLER/MCGINNESS	

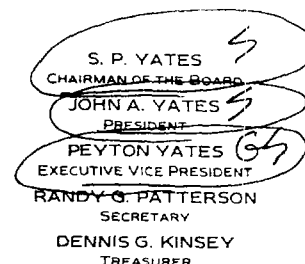


Schlumberger		COMPENSATED NEUTRON FORMATION DENSITY	
COMPANY AMOCO PRODUCTION COMPANY			
API #20-025-26559			
WELL STATE GC COM #1			
FIELD WILDCAT			
COUNTY LEA STATE NEW MEXICO			
LOCATION 660' FSL & 1980' FEL		Other Services DLL BHC	
API SERIAL NO.	SEC	TWP	RANGE
	7	22-5	35-E
Permanent Datum: CL OF 2" BHO		Elev. RDB 3623	
Log Measured From RDB		D.F. 3603	
Drilling Measured From RDB		G.L. 3603	
Date	2-6-80	3-24-80	
Run No.	ONE	TWO	
Depth-Driller	11250	13510	
Depth-Logger	11245	13501	
Base Log Interval	11244	13500	
Top Log Interval	5701	11246	
Casing-Driller	1034@5700	7578@11250	
Casing-Logger	5701	11246	
Bit Size	9 1/2	6 1/2	
Type Fluid in Hole	BRINE	SALT MUD	
Dens.	8.8	12.6	37
pH	9.5	8	6.4
Fluid Loss	9.5	8	6.4
Source of Sample	CIRC	CIRC	
Rm @ Meas. Temp.	105 @ 62°F	123 @ 54°F	
Rmf @ Meas. Temp.	105 @ 62°F	092 @ 54°F	
Rmc @ Meas. Temp.			
Source: Rmf Rmc			
Rm @ BHT		038 @ 176°F	
Circulation Stopped	0800	1900	3-23
Logger on Bottom	1900	0615	3-24
Max. Rec. Temp.		176	
Equip. Location	8067 HOBBS	8075 HOBBS	
Recorded By	ZIMMERLY	HOWARD	
Witnessed By	MULLER	MULLER/MCGINNESS	





105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471



GEOLOGICAL EXPLANATION OF THE PROPOSED TRICK STATE UNIT, LEA COUNTY, NEW MEXICO

The proposed Trick State Unit is comprised of the following lands: T-22-S, R-34-E, Sections 13 and 24, T-22-S, R-35-E, all or portions of Sections 8, 9, 16, 17, 18, 19, 20, 21, 28, 29 and 30, Lea County, New Mexico. The initial test well will be drilled to a projected total depth of 9500 feet to test the hydrocarbon potential of the upper Permian Bone Spring formation.

The Structure Map, with the top of the Bone Spring Interval as the datum, shows a prominent structural nose with dip generally to the southwest.

The Isopach of the Second Sand/Shale Sequence (Using 14% Density Porosity Cutoff, please see Cross Section A-A') within the upper Bone Spring section shows a thick underlying the proposed Trick Unit. This depositional thick is controlled by two separate structural features, the Central Basin Platform Edge to the east and a large fault block (The Grama Ridge and Antelope Ridge Fields) to the west. The sands are interpreted as turbidites deposited in a structural low with a sediment source to the north.

The key well, the Gulf Oil #1 North Rock Lake Unit, is located in Section 16 of T-22-S R-35-E. This well was drilled to a total depth of 13,370' in December of 1981 and was completed from the Morrow sands. It is still producing from the original Morrow zone. As shown on the Key Well exhibit, the well encountered 55' of greater than 14% density porosity. Log calculations indicate this interval to be potentially oil productive.

Production history in the upper Bone Spring sands have shown that a minimum of 25' of 14% porosity is necessary for economic production. The interpreted economic limits are shown on the Isopach map.

The Delaware sands are also prospective in the area. Yates Petroleum Corporation intends to fully evaluate all hydrocarbon shows in order to establish economic production from the Trick Unit.

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 11652 Exhibit No. 7

Submitted by: Yates Petroleum Corporation

Hearing Date: November 21, 1996