

ELLIOTT A. RIGGS

Petroleum Geologist

GEOLOGICAL REPORT

of

JOHN E. SCHALK #1 LONE STAR INDUSTRIES - SCHALK - 57

Sec 12-T30N-R5W
Rio Arriba Co., New Mexico

WELL DATA

Location: 790' FNL & 1650' FWL, Sec 12-T30N-R5W, Rio Arriba Co., New Mexico

Elevation: KB 6592'
DF ----
GL 6580'

Depth: All depths measured from KB

Commenced: Spudded 5:00 PM, March 31, 1973, with a Mayhew 1000 drilling rig, drilled 7 7/8" hole to 60', drlg at midnight

Hole Sizes: 12 1/4" to 336'
7 7/8" to 8222'

Casing Record: 8 5/8" to 334'
4 1/2" to 8223'

Cores: None

Drill Stem Tests: None

Total Depth: Driller 8222'
Schlumberger 8217'

Logs: Schlumberger: Dual Ind-Lat 336-8213'
Comp FM Density 336-8216'
Comp Neut-FM Den 336-8216'

Geologist: Sample log 3200-3600'
5500-8222'
Drilling time log 1000-8222'

Quality of Samples: Poor to fair

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STRATIGRAPHY

<u>System</u>	<u>Formation</u>	<u>Depth</u>
<u>TERTIARY</u>	Ojo Alamo	2805'
<u>CRETACEOUS</u>	Kirtland	2908'
	Pictured Cliffs	3392'
	Lewis	3448'
	Cliff House	5575'
	Menefee	5623'
	Point Lookout	5808'
	Mancos Transition	5904'
	Mancos	5972'
	Gallup	6542'
	Greenhorn	7828'
	Graneros	7875'
	Dakota	8009'
	TD Driller	8272'
	TD Schlumberger	8217'