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DRILLING PROGNOSIS

SEP 01 1976

U. S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO 871901

WELL: Shell Federal 6 No. 1

LOCATION: 3193' FNL & 660' FEL Section 6, T-21-S, R-24-E,
Eddy County, New Mexico

FIELD: Cemetary Morrow

OBJECTIVE: Morrow

EST. ELEVATION: 3850'

EVALUATION			GEOLOGY		DRILLING			
DRLG. TIME & SAMPLES	ELEC. SURVEYS	MUD LOGGER	SIGNIFICANT FORMATIONS		WELL DEPTH	HOLE SIZE	CASING & CEMENT	MUD PROGRAM
5' Samples 2' Drlg. Time 10' Samples 2' Drlg. Time 9200'	DLL/GR TD-6500', GR/CNL/FDC TD-6500' W/GR/CNL to SEP MLL/ML TD-6500' mic/ml 2-Man Mud Logging Unit	6500' 6500'	320'±			15"	11 3/4" 47# K-55	Fresh Water Native Mud
			San Andres 900' (+2950')			10 5/8"	47# K-55 ST&C	Fresh Water Low Solids Mud, 8.5-8.7 pp8, W.L. - None
			Glorieta 2500' (+1350')					
			3200'±				8 5/8" 32# K-55 ST&C	
			Bone Spring 3400' (+450')				24# K-55 ST&C.	
			Tubb 3925' (-75')				Circulate Cement. (May Require Two-Stage Cement.)	
			Abo 4625' (-775')					Fresh Water Low Solids Mud, 8.5-8.7 pp8, W.L. -
			Wolfcamp 6575' (-2725')					6500'±
			Cisco 7850' (-4000')					
			Canyon 8275' (-4425')			7 7/8"		Fresh Water 4%-6% KCl 9.0-9.2 pp8, 15 cc or less
5' Samples 2' Drlg. Time			Strawn 8550' (-4700')					
			Atoka 9175' (-5325')					
			Morrow Mkr. 9475' (-5625')					9375'±
			Barnett Shale 9900' (-6050') TD 10,000'				5 1/2" 17#, 15.5#, 14# K-55 ST&C	Fresh Wtr 4%-6% KCl 9.0-9.2 pp8, 10 cc or less

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SEP 16 1976

O.C.C.
ARTESIA, OFFICE