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AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAMFile No.: Ruth
Date: 6/27/94

Lease: Ruth Well No. #1
 County: San Juan County, New Mexico Location: 940' FNL & 790' FEL, Section 8, T-31N, R-10W
 Former name: Reference Well Field:

31 4

OBJECTIVE: Exploit strategic Fruitland Coal locations.				
METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL-----Estimated KB	5952	5964
Rotary	0 - TD	Marker	Depth (ft.)	SS Elev. (ft.)
LOGGING PROGRAM				
TYPE	DEPTH			
HRI, SP, GR, SDL, DSN, ML (One Run)	TD- Surf	Kirtland	1,184	4,780
		**Fruitland	1,234	4,730
		*Pictured Cliffs	2,284	3,680
		Lewis Shale	2,742	3,222
			2,924	3,040
REMARKS:				
		TOTAL DEPTH	2,974	2,990
		* Possible pay		
		** Probable completion		
OJO ALAMO IS POSSIBLE USEABLE WATER				
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY
None		None		Geograph
Remarks:		DEPTH		
		0 - TD		
		Mud Logging Program: None		
		Coring Program: None		

MUD PROGRAM:

Approx. Interval	Type Mud	Weight, #/gal	Vis, sec/qt.	W/L, cc's/30 min.
0-----SCP	SPUD	8.5--9.0	Sufficient to clean hole.	NC
SCP---TD	LSND	8.8-10.5*	Sufficient to clean hole and maintain integrity f/ logs.	

REMARKS:

* Use minimum mud weight to control formation pressures.

CASING PROGRAM:

Casing String	Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface	250	8 5/8"	12 1/4"	1,2
Production	2,974	5 1/2"	7 7/8"	1,2

Remarks:

1. Circulate cement to surface.
2. Drilling Team to design cement programs.

GENERAL REMARKS:

Engineering to design completion program.

Form 46 Reviewed by:

Logging program reviewed by:

PREPARED BY:**APPROVED:****APPROVED:**

Logan/Shepard

For Production Dept

For Exploration Dept.

Form 46 7-84bw
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