

**AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

File:D:\VAND46.WK3
Date: 9/11/91

Lease: Vandewart /A/
County: San Juan, New Mexico

Well No. 12'
Location: 1580' FNL x 1450' FEL Sec 11-29N-8W

Field: Basin Fruitland Coal

OBJECTIVE: Develop Fruitland Coal Reserves and also dual complete in the Pictured Cliffs.

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL: 6311'	Estimate KB: 6323'	
Rotary	0 - TD	Marker	Depth	Elevation
LOG PROGRAM		Ojo Alamo	1989'	4322'
Type	Depth Interval	Fruitland # *	2747'	3564'
		Pictured Cliffs	3065'	3246'
D/L	TD to Sfc Csg			
FDC-CNL	"			
GR	"			
CAL	"			
REMARKS:		TOTAL DEPTH: 3265' 3046'		
		# Probable completion interval		
		* Possible pay.		
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY DEPTH
None		None		Geolograph 0 - TD
Remarks:		Remarks:		
MUD PROGRAM:				
Approx Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L, cc's/30 min
0' - 250'	SPUD	8.5 - 9.0	Sufficient to clean hole and maintain hole conditions for logs.	
250' - TD	LSND	8.8 - 11.0		

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'	9-5/8"	12-1/4"	Cement to be circulated to surface.
Intermediate				
Production	TD	7"	8-3/4"	Cement to be circulated to surface.

Remarks:

Southern Rockies Drilling Engineer to design cement programs.

GENERAL REMARKS:

Southern Rockies Coal Degas Group to design completion program.
This well to be maintained in confidential status.

Form 46 Reviewed by:

PREPARED BY:
H. TerBest/J. Davidson
Form 46 7-84bw

Logging program reviewed by:

APPROVED:
J. R. Pantaleo 9-23-91
For Production Dept

APPROVED:

For Exploration Dept