

## FINAL COPY

AMOCO PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAMFile No.: moore5x  
Date: 823/94

Lease: Moore Well No. #5-R  
 County: San Juan, New Mexico Location: 780' FSL, 1140' FWL Sect. 8, R 8 W, T 30 N  
 Former name: Moore 5-R Field: Basin Mesa Verde

30 8

OBJECTIVE: Horizontally drill Point Lookout member of Mesa Verde.

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER	
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL—Estimated KB	5898 5914
Rotary	0 - TD	Marker	Depth (ft.) SS Elev. (ft.)
<b>SPECIAL SURVEYS</b>		Ojo Alamo	1,417 4,487
		Kirtland	1,614 4,300
		Fruitland*	2,314 3,800
		Pictured Cliffs*	2,898 3,218
		Lewis Shale	2,894 3,020
		KOP	4,153 1,781
		Cliff House	4,444 1,470
		Menefee	4,584 1,350
		Point Lookout	4,917 997
		Pt. Lookout Target	4,984 830
		TVD	
		TOTAL DEPTH Measured	7,446
		* Possible pay	
		#Probable completion	
		OJO ALAMO IS POSSIBLE USEABLE WATER	
<b>SPECIAL TESTS</b>		<b>DRILL CUTTING SAMPLES</b>	
TYPE	DEPTH INTERVAL, ETC	FREQUENCY DEPTH	FREQUENCY DEPTH
None		None	Geolograph 0 - TD
Remarks:		Remarks:	
		Mud Logging Program: Two men fully equipped f/air from KOP. (BENCHMARK)	
		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—ICP	LSND	8.8-11.5*	Sufficient to clean hole/ maintain integrity f/ logs.	10-15 cc
ICP—PCP**	LSND	8.8-9.0	Sufficient to clean hole/ maintain integrity f/ logs.	10-15 cc
	AIR/GAS		Probable gas-nitrogen foam/mist drilling.	

## REMARKS:

\* Use minimum mud weight to control formation pressures.

\*\* Protective casing will be set into the Lewis shale if mud weights in excess of 9.0ppg are required to control any gas/water flows from the Fruitland, Kirtland or Ajo Alamo.

## CASING PROGRAM:

Casing String	Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface	500	13 3/8"	17 1/2"	1,2
Intermediate	3,044 (If required)	9 5/8"	12 1/4"	1,2,3
Protective, MD	5,580	7"	8 1/2"	2
Production, MD	7,448	4 1/2"	8 1/4"	4
				Measured Depth
				Measured Depth

Top of 4 1/2" lin 5,380

## Remarks:

1. Circulate cement to surface.
2. Southern Rockies Drilling Team to design cement programs.
3. Casing set 150' into the Lewis Shale.
4. Probable pre-perforated liner set through the productive section of the Cliff House.

## GENERAL REMARKS:

Southern Rockies Engineering staff to design completion program.

Form 48 Reviewed by:

Logging program reviewed by:

PREPARED BY:

APPROVED:

APPROVED:

Pasternack/Craig/bilyou

For Production Dept

For Exploration Dept.

Form 48 7-84bw  
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