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AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAMFile: H:\group\srbu\nmexdk\dak24f46.wk3
Revision Date: 10/11/93Lease: Martinez Gas Com /J/
County: San Juan, New Mexico
Formerly Reference Well #24Well No. 1
Location: 1760' FSL x 1720' FWL, Sec. 32, T32N, R10W

Field: Basin Dakota

OBJECTIVE: Evaluate and develop Dakota reserves.

METHOD OF DRILLING			APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS	DEPTH OF DRILLING		6,088 Est. GL Elev.		6,104 Est. KB Elev.
Rotary	0 - TD		Marker	Depth (ft)	SS Elev. (ft)
LOG PROGRAM			Ojo Alamo	1,301	4,803
Type	Depth Interval		Fruitland	2,518	3,586
HRI-DIL-CAL-NGT-GR	SFC to TD	Mud Hole	Pictured Cliffs	2,918	3,186
FDC-CNL	SFC to TD	Mud Hole	Lewis Shale	3,118	2,986
MICROLOG	TD + 1000'	Mud Hole	Cliff House	4,688	1,416
MRI	*ICP to Top Fruitland (6" tool)		Menefee	4,788	1,316
	**TD to PCP (4.5" tool)		Point Lookout	5,145	959
Epithermal Neutron/			Mancos Shale	5,545	559
Spectral Density/Temp Log	PCP - ICP	Air Hole	Greenhorn	7,171	(1,067)
DIL-CAL-GR	PCP - ICP	Air Hole	Dakota #	7,295	(1,191)
REMARKS:			TOTAL DEPTH:	7,683	(1,579)
Magnetic Resonance Image (MRI), pulls at 7"/min.			# Probable completion interval		
(409) 836 - 2955 (Numar, Brenham District).			* Possible pay.		
*Contact Roger Gierhart (303/830-5053) for authorization.			OJO ALAMO IS POSSIBLE USEABLE WATER.		
*Contact Harry TerBest (303/830-6038) for authorization.					
SPECIAL TESTS			DRILL CUTTING SAMPLES		
TYPE	DEPTH INTERVAL, ETC		FREQUENCY	DEPTH	FREQUENCY DEPTH
None			20'	PCP - TD	Geologist 0 - TD
Remarks:			Remarks:		
			Mudlogging Program:		
			Full two man mudlogging services for Dakota from PCP to TD.		

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 and maintain hole conditions for logs.	
SCP - ICP	LSND	8.8 - 11.0		
ICP - PCP	AIR	-		
PCP - TD	LSND	9.0 - 10		

REMARKS:

* Use minimum mud weight to control formation pressures.

CASING PROGRAM:

Casing String	Estimated Depth (ft)	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface (SCP)	400	13-3/8"	17-1/2"	1,2
Intermediate (ICP)	3,268	9-5/8"	12-1/4"	1,2,3
Protective (PCP)	7,171	7"	8-3/4"	2,4
Production (TD)	7,683	4-1/2"	6-1/4"	2,5

Remarks:

1. Circulate cement to surface.
2. Southern Rockies Drilling Team to design cement programs.
3. Casing set 150' into Lewis Shale.
4. Casing set at top of Greenhorn Limestone.
5. Casing set 50' into Morrison.

GENERAL REMARKS:

Southern Rockies Dakota Engineer to design completion program.

Revised for larger casing design.

Form 46 Reviewed by:

PREPARED BY:

F. Seidel/H. TerBest

Form 46 7-84bw

Logging program reviewed by:

APPROVED:

For Production Dept

APPROVED:

For Exploration Dept