

BETTIS BOYLE AND STOVALL  
BIG EDDY UNIT NO. 114  
EDDY COUNTY, NEW MEXICO

DST No. 3 (11,710' - 11,730') (20') STRAWN  
January 20, 1990

Initial flow: (15 minutes) Open with weak blow, at end of flow period had 3 psig on 1/8" choke.

Initial Shut-in: (2 hours)

Second flow: (4 hours) Open with 7 psig blowing to bottom of bucket. Gas to surface in 81 minutes, switched over to a 1/4" choke had 3-5' flare, 12 psig, estimated 39.8 MCF/day. At end of flow period had 9 psig on 1/4" choke, estimated 35.3 MCF/day.

Final Shut-in: (11 hours and 35 minutes).

#### DRILL PIPE RECOVERY

Recovered 2,017' total fluid, 1927' of water cushion, 90' of drilling fluid.

Top sample: Resistivity 0.96 at 60°, chlorides 11,000 ppm

Middle sample: Resistivity 1.8 at 61°, chlorides 5,000 ppm

Bottom sample: Resistivity .14 at 64°, chlorides 140,000 ppm

#### SAMPLE CHAMBER RECOVERY

750 psig. Recovered 50 cc drilling mud, and 2550 cu.ft. of gas.

Resistivity 0.13 at 64°, chlorides 173,000.

Pit sample: Resistivity 0.14 at 69°, chlorides 161,000 ppm

#### PRESSURES (FIELD)

	TOP		BOTTOM		TIME
INITIAL HYDROSTATIC	6441	psig	6397	psig	
INITIAL FLOW	927 - 961	psig	873 - 904	psig	( 15 minutes)
INITIAL SHUT-IN	6178	psig	6141	psig	(120 minutes)
FINAL FLOW	927 - 927	psig	873 - 873	psig	(240 minutes)
FINAL SHUT-IN	6571	psig	6585	psig	(695 minutes)
FINAL HYDROSTATIC	6408	psig	NONE	psig	

Bottom hole temperature: None recorded.

NOTE: Ran out of clock on inside recorder, only 24 hour clock.