

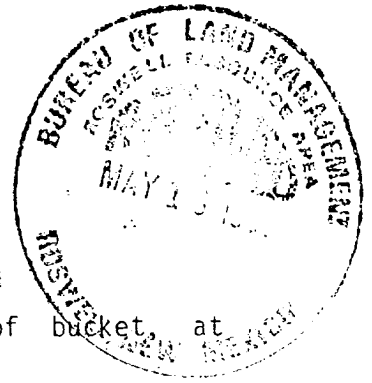
BILL FENN INC.  
BUFFALO VALLEY "34" No. 1  
CHAVES COUNTY, NEW MEXICO

RECEIVED

MAY 23 '90

DST No. 1 (7880' - 7954') (74') Atoka  
May 3, 1990

O. C. D.  
ARTESIA, OFFICE



Initial flow: (15 minutes) Open with 3 inch blow to bottom of bucket, at end of 15 minutes had 4.5 psig.

Initial Shut-in: (90 minutes)

Second flow: (30 minutes) Open with 5 inch blow, end of flow period had 4 psig.

Second Shut-in: (150 minutes).

Final flow: (120 minutes) Open with 1 psig, increased to 14.5 psig with gas to surface after 10 minutes into flow period, (estimated 35 MCF/Day). At end of 2 hour flow period, pressure down to 6.5 psig, (estimated 25 MCF/Day).

Final Shut-in: (360 minutes).

#### DRILL PIPE RECOVERY

Recovered 688' of slightly gas cut drilling mud. (200' of fill during packer by-pass).

Top sample: Resistivity 0.098 at 60°, chlorides 47,281.0

Tool Top: Same as top sample.

Pit Sample: Same as top sample.

#### SAMPLE CHAMBER RECOVERY

225 psig. Recovered 1900 cc drilling mud. Gas 0.31 cu.ft.

#### PRESSURES (CALCULATED)

	TOP	TIME
INITIAL HYDROSTATIC	4064 psig	
INITIAL FLOW	107 - 162 psig	( 13.8 minutes)
FIRST INITIAL SHUT-IN	4049.9 psig	( 92.1 minutes)
SECOND FLOW	266 - 280 psig	( 29.7 minutes)
SECOND INITIAL SHUT-IN	2129.4 psig	(152.8 minutes)
FINAL FLOW	223 - 308 psig	(118.5 minutes)
FINAL SHUT-IN	3414.1 psig	(367.1 minutes)
FINAL HYDROSTATIC	4037 psig	
Bottom Hole Temperature 180°.		