

PERFORATIONS

<u>Depth</u>	<u>No.</u>	<u>Size</u>	<u>Kind</u>
9046-9074	28	11/16"	Jet
9080-9084	4	11/16"	Jet
9092-9102	10	11/16"	Jet

ACIDIZING RECORD

12/6/62 Halliburton acidized perfs. 9046-9102 w/500 gal. 15% MCA Acid. Breakdown pr. 3000#, trt. pr. 2400#. Rate 1.4 BPM ISIP 1800#. 5 min SIP 1300#. Swab 94 BLW in 24 hrs.

12/9/62 The Western Co. sand water frac perfs. 9046-9102 w/10,000 gal. Gel SW + 15,000# 20-40 sand + 225# 20-30 Walnut Hulls + 500 gal. 15% NE Acid + 30 RCN Ball Sealers. Pumped 5000 gal. Gel SW ahead of Frac. Breakdown pr. 3300# trt. pr. 3700-3900#. Rate 7 BPM. ISIP 3600#. 5 min SIP 3300#. Flowed 327 BLW in 79 hrs. 24/64" ch. TP 200, CP 375#. Gas Volume 620 MCF/Day.

1/30/63 Halliburton sand water frac. perfs. 9046-9102 w/1000 gal. 15% NE acid + 33,852 gal gel. salt water + 12,000# 20-40 sand + 1400# Walnut Hulls, sanded out when Walnut Hulls hit formation. Brk. down pr. 3800# treating pr. 4000#, Rate 8 BPM. Flushed w/80 BSW. ISIP 3800#. SI 14-1/2 hrs. CP 1750#.

DRILL STEM TESTS

11/29/62 DST #1 Morrow Sand 9037-9097. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Opened w/medium blow continuing through out test. Rec. 80' drilling mud. Surface FP - 0. IBHFP - 80#. FBHFP - 80#. 2 hr. BHSIP 3050#. HH 4510 in and 4490 out. BHT 144°.

CORE RECORD

NONE