

WELL DATA11/9/89

TOTAL DEPTH: 10,311' KB Driller ELEVATION: 4246' KB
10,310' KB Schlumberger 4,229' GL

KB TO CHF 17 feet

CASING 13-3/8" set @ 350' KB, cement circulated.
8-5/8" set @ 2562' KB; cement circulated w/1" plugs.
4-1/2", 11.6'/ft., 8 rd, LT&C, J-55 & N-80, set at 10,310' KB; cemented with 1200 sx.;
TOC @ 6100' KB (Schlumberger CBL dated 10/12/89)

PLUG BACK DEPTHS 10,236' KB estimate.
Halliburton RBP set at 9,206' KB; 1 sack of sand on top of plug.

PERFORATIONS Strawn: 8772' - 8790' KB (36 holes) and 8808' - 8816' KB (30 holes)
Morrow "A" zone: 9,880' - 9,900' KB; total of 40 holes (0.42" dia.) Morrow "C & D"
zones: 9,975' - 77', 9,986' - 92', 10,010 - 16' & 10,027 - 28' KB; total of 16 holes.

TREATMENTS Morrow "A" zone: 250 gallons of 10% acetic, 4000 gallons of 7.5% MS acid;
frac'd w/18300 gal. Versagel 1500, 4000 gal. CO2 and 18000# 20/40 Interprop
Morrow "C & D" zone: 250 gallons of 10% acetic, 4000 gallons of 7.5% MS acid.

TUBING & PACKER

All tubing and subs are 2-3/8" 4.7#/ft., 8 rd, EUE, N-80

		<u>Top of Section</u>
Gun Bull Plug	3.22'	8,816.00'
Perforating Guns (w/66 holes)	44.00'	8,772.00'
Mechanical Firing Head	1.16'	8,770.84'
N-80 Handling Sub with 1.56" No-Go	4.20'	8,766.64'
N-80 Tubing Sub	10.05'	8,756.59'
Mechanical Tubing Release (2*3/8" X 1.81")	1.57'	8,755.02'
Maximum differential BAK vent	2.31'	8,752.71'
N-80 Tubing Sub	4.08'	8,748.63'
Baker 43A4 Lok-Set Packer	3.29'	8,745.34'
Baker "on-off" tool w/1.87 "F" Profile	1.64'	8,743.70'
4 Joint tubing	130.00'	8,613.70'
Tubing marker sub w/RA bead @ pin	6.02'	8,607.68'
263 Joints Tubing	8559.07'	48.61'
Tubing Sub	6.03'	42.58'
1 Joint tubing	32.74'	9.84'
<u>Total Tubing and Tools</u>	<u>8809.38'</u>	
KB Datum	9.84'	
Bottom of Guns	<u>8819.22'</u>	
Halliburton RBP set @	9206.01' KB	
Baker A4 Lok-Set Packer	3.44'	
Tubing sub	4.24'	
Baker "on-off" tool w/1.78" F Profile plug	1.65'	
<u>Total Tools</u>	<u>9.33'</u>	
<u>KB Datum</u>	<u>9,840.67'</u>	
Bottom of Packer	9,850.00' KB	

MISCELLANEOUS

Casing fluid - 3% KCl water containing LoSurf

DBF--10/14/90