

31. Perforation Record (Interval, size, number)				32. Acid, shot, fracture, cement squeeze, etc.
				Depth interval Amount and kind material used
9222' - 9178'	2JSPF	10 holes		3000 gal 15% HCL & 56,600 SCF N ₂ , CTBP @ <u>9178</u> w/ 4 sks. cmt. on top
8788' - 8710'	2JSPF	12 holes		4000 gal 15% HCL & 64,800 SCF N ₂ , CIBP @ <u>8666</u> ' w/ 4 sks. cmt on top
8548' - 8472'	2JSPP	10 holes		3500 gal. 15% NEA w/ citric acid, squeezed w/765 sks. cmt - bottom @ <u>8420</u> '
8539' - 8549'	2JSPF	20 holes		2500 gal. 15% MCA Squeezed w/32 sks. cmt. bottom @ <u>8520</u> '
8479' - 8466'	2JSPF	12 holes		2500 gal. MCA
8440' - 8450'	2JSPF			3000 gal. 15% MCA 10,000 gal 20 MOD to <u>8361</u> '
			8440' - 8479'	Squeezed w/50 sks. cmt. + 15 sk on top of retainer @ 8418
				The following plugs:
			6917' - 6807'	45 sks. plug
			6815' - 6715'	45 sks. plug
			6200' - 6100'	45 sks. plug
			3650' - 3550'	45 sks. plug
			2860' - 2760'	45 sks. plug
			450' - 350'	45 sks. plug
				10 sks. plug surface

DST Data

2-15-80 - Dst No. 1 (Abo) 6715-6815'. 5/" BHC, variable top choke. No W.C. 15 min pre-flow opened with weak blow, increasing to strong blow in 5 minuite. Shut in 60 minutes. 90 minute final flow opened with weak blow, increasing to very strong blow in 90 minutes. Shut in 180 minutes. Pull tool out of hole. IHP 3063 psi, 15 min IFP 33 psi, 60 min ISIP 2541 psi, 90 minute FFP 41 to 70 psi, 180 min FSIP 2506 psi, FHP 2976 psi, BHT 98°F. Recovered 1420' sulphur water in 4½" drill pipe. No oil or gas.

2-25-80 - DST No. 2 (Cisco) 8435' to 8601'. 5/8" BHC, variable top choke. No W.C. 15 minute pre-flow opened with strong blow. GTS 9 Minutes, 22 psi on 1" choke, 773 MCFPD. Shut in 60 minutes. 60 min final flow opened with 11 psi on 1" choke decreasing to less than 1 psi in 20 minutes. Shut in 120 minutes. Pull tool out of hole. Reversed out 2240' of free oil (42° API at 60°), no water. IHP 4243 psi, 15 min IFP 720 psi, 60 min ISIP 2741 psi, 60 min FFP 593 to 869 psi, 120 min FSIP 2469 psi, BHT 160°F, FHP 4138 psi.

3-19-18 - DST No. 3 10,167' to 10,560' (Morrow). 5/8" BHC, variable top choke. No W.C. 15 minute pre-flow opened with very weak blow. Shut in for 60 min. 60 min final flow. 60 min final flow opened with very weak blow and died in 30 min. Shut in 120 minutes. Pull tool out of hole. Recovered 370' of GCDM. IHP 5412 psi, 15 min IFP 508 psi, 60 min ISIP 763 psi, 60 min FFP 360 to 339 psi, 120 min FSIP 890 psi, FHP 5329 psi, BHT 180°F.