

SUMMARY OF OPERATIONS

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Federal "V" Unit #1

DATE	DESCRIPTION
5-5-66	Worth Well Surveys perf 4½" csg, at 8,090' with 2 holes. Then ran Halliburton CI. Ret. on 2" tubing. Set in 4½" csg. at 8,070. Halliburton cemented through holes at 8,090' w/150 sx. Trinity Inferno Neet with 100% circ. behind csg. Job complete 4 P.M. 5-4-66 Rev. out. Pulled tubing. WOC 6 hrs. Then Worth Well ran temp. survey. Top cement 7,600'. SD for night.
5-9-66	10,170' TD, 8,070' PBTD Cisco perfs (8023-40) OA Sw fluid level down to 4,000' - then Schlumberger perf 4-1/2" casing through tubing in Cisco at 8023', 28, 30, 32, 34, 36 & 40 1 jt. sh/interval, 7 holes - then swab 14 BLW + 15 Bbls DM in 6 hrs. SI 12 hours, TP 150#, Fluid 5300.
5-9-66	Sw 20 BD Mud + trace form. water. in 12 hours, 200' FIH - SI 12 hrs. TP 100 - ran SW well dry - then Dowell Chem. Co. acidized perfs 8023-40' with 500 gallons 15% NE acid - BDTP 1500#, TTP 1100#, AIR 0.23 BPM, ISITP 350#, 5 min SITP Vac. - Job complete 11:30 A.M. 5/8/66 - then Sw 32 BLW + 12 BAW in 6 hours, swab dry with good show of gas 3 hrs, SI 12 hours, TP 300#, 4500' FIH, Continue to test.
5-10-66	Sw 52 barrels mud wtr & oil emulsion in 12 hours. Good show gas. 200' scattered FIH. SI 12 hours, TP 400, 1500' FIH. Emulsion break down 70% mud, 20% water, 10% oil. Prep to treat with acid & alcohol.
5-11-66	Swab 6 barrels of mud in 4 hours; swab dry. Dowell acidized perfs with 3,000 gallons 15% NE acid and 600 gallons isopropyl alcohol using 6 RCN ball sealers down 2" tubing. TTP 3000#, rate 2.6 BPM. .ISIP 1600# on vac in 6 minutes. Job complete at 12:30 P.M. 5/10/66. Swab 40 BLW + 72 barrels mud in 5-1/2 hours. SI 12 hrs. TP 450#, 4400' FIH.
5-12-66	Swab 72 BAW + 30 BFW with trace of mud in 6 hrs., 5500' FIH, slight show of gas, remove tree, install BOP, pull 200 jts. of 2-3/8" tubing. SD for night.
5-13-66	Finish pulling tubing & packer. Ran Howco RTTS packer on 2-3/8" tubing set in 4-1/2" casing at 7866'. Howco squeezed Cisco perfs. 8023-40' with 100 sx Trinity Inferno Neet cement - Max. press. 4000# Job complete at 1:00 P.M. 5/12/66. WOC