

**Willow State #1**  
**330FSL 2280FEL SEC 16 T17S R31E**

tubing, 5 1/2 x 2 3/8" tubing anchor 4 jts above SN tubing sub, seating nipple, land SN @ 8858', set tubing anchor and pull 12 pts. Put back on production.

- 05/28/96 Pumped - 5 oil. Pulled production equipment out of well, standing up. Halliburton perforated well from 8398 - 8402.5', 10 holes w/4" guns, 1 shot per 1/2 foot. Run in hole w/5 1/2" RBP & RTTS. Shut down for night.
- 05/29/96 Acidize 8398 - 8402.5' w/1000 gals 15% NEFE. All Water
- 05/30/96 Pull RBP & RTTS, rig up Halliburton to perforate 19 holes, select fire, 5520-5748'. SDFD.
- 05/31/96 Acidize perms w/1500 gals 15% NEFE,
- 06/01/96 Acidize perms 5520-5748' w/10,000 gals 20% NE acid, heated to 180 degrees & 20,000 gals 30# heated gel. Flushed w/1,500 gals 15% cold acid & 3,400 gals fresh water.
- 06/03/96 Unset RTTS & POH, lay down 2 7/8" workstring. RIH w/186 jts 2 3/8" tbg, wash block & balls off. PTBP Land SN @ 5784' w/ 184 jts. TA 14jts above SN & Marker Sub 16jts above. RIH w/ 3/4" & 7/8" rods. SDFD.
- 06/10/96 Pumped - 6 oil and 30 water.
- 06/12/96 Rig up Halliburton Logging, set cast iron bridge plug 8750', 8300', 5500' w/30' Cmt on top of each plug. Perf 25 holes, select fire 5005', 06,09 13,14,18,19,24,33,47,50,51,52,57,69,71,72,83,84,86,87,88,95,96,99.
- 06/13/96 Rig up Halliburton, test cast iron bridge plug, 2000#, held. Circulate hole clean. Spot acid on perms from 5005' - 5099', acidize w/2000 gals 15% NEFE.
- 06/14/96 POH w/2 7/8" workstring. Lay down on trailer. RIH w/164 jts new 2 7/8" J-55 workstring, SN @ 5142'. SDFD
- 06/15/96 RIH w/ 2 1/2" X 2" X 22' HVR pump, 2" sub on pump, 138-7/8" new pipe type 97 rods and 68-1" type 97 1 3/4" X 1 1/2" X 26' polish rod an liner. Space well out. Clean up, rig down. Put well pack on production.
- 02/21/96 Pumped - 27 oil and 125 water.