

CATCLAW DRAW UNIT #13

AFE #91403013

Discussion

The recent workover on the Catclaw Draw Unit #13 has not resulted in increased production, thus Hallwood recommends recompleting uphole to the Morrow "A", "B" and "NBS" zones and abandoning the Morrow "C" zone. These uphole PNP zones should re-establish commercial production as they produce offset wells to the North.

Procedure

1. RU service unit, ND tree, NU BOP.
2. Load hole with 4000' (approximately 93 bbls) of 4% KCl water. Pull out of hole with 2 3/8" N-80 tubing landed at 10,746'.
3. RU Wireline and run a Halliburton Fas Drill composite plug to 10,660' and set above the Morrow "C" zone.
4. RU full lubricator and wireline to reperforate. Perforate at 6 spf (if available), 90 or 120° phasing and with maximum premium charges. Correlate to the Schlumberger 5/11/80 Neutron/Density log. Perforate with the following intervals:

<u>Zone</u>	<u>Perfs</u>	<u>Footage</u>
Morrow "A"	10384-10396'	12'
Morrow "B"	10436-10454'	18'
Morrow "B"	10500-10514'	14'
Morrow "B"	10517-10524'	7'
Morrow "B"	10529-10541'	12'
Nan Bet Stray	10564-10578'	14'
Total		77'

5. After perforating, wireline in a Guiberson UNI-6 packer with lower half of on/off tool on top. Also have a pup joint below packer with a profile nipple smaller than the one in the packer, another pup joint and a glass disk, then a wireline re-entry sub. Set packer between 10,300-10,350'.
6. RIH with upper portion of on/off tool and 2 3/8" tubing, hydrotesting to 5000 psi.
7. Circulate hole with packer fluid, latch onto packer and test annulus/packer to 750-1000 psi for 15 minutes.