

Coin Flip St 1
D-18-20s-30e
Eddy Co., NM
Recompletion Procedure 1
Morrow
4 Sept 2005

30-015-32958

Basic Data:

20" @ 300' Circ. Cmt.
13-3/8" @ 1439' Circ. Cmt.
8-5/8" @ 3684' Circ. Cmt.
5-1/2" @ 12280' DV @ 9799'

5.5"/17ppf/M95-110/LTC Burst=10640 psi, 8512 psi at 80% Nom. ID=4.892" Drift ID=4.767"
2.375"/4.7ppf/L80/EUE Burst=11200 psi, 8960 psi at 80% Nom ID=1.995" Drift ID=1.901"
Collapse=11780 psi, 9424 at 80%
Tensile=104,300 lb with no safety factor

Objective: Add pay in the Morrow Sand.

Procedure:

1. RU lubricator and perf Lower Morrow with 4 spf at 0° phasing using 1-11/16" decentralized Millenium Deep Star Capsule guns at the depths shown below (8.1 g charges, 19.6" penetration, 0.28" entry hole). Swab or add fluid to tubing as necessary to have fluid level at 11000' when perfing.

L.Morrow: 12038-12048' (44 shots)

Note: If well on plunger, catch plunger at surface, fish spring/collar stop and run 1-11/16" sinker bar dummy run before perforating.

2. Swab/flow test until notified to do otherwise. If see big improvement in production, will put well to sales and do rest of workover later. If this zone is already communicated with 12065-12106' pay, continue with procedure.

3. When ready to move up hole, catch plunger at surface (if applicable), blow well down, pump a slug of 7% KCl water down tubing (or skip slug of water and set BPV in tubing landing collar in tubing head adaptor), NU BOP and TOOH with packer (retrieve plunger spring from tubing at surface if applicable). Try not to use excessive fluid when killing well and when TOOH.

4. RU lubricator, run gauge ring to 12000' and set 10k composite frac plug (flow through, with ball) at 11925'. Load casing with 7% KCl and test to 2500 psi. RU lubricator and perf the Morrow with 1 spf at any phasing with 3-3/8" or 4" casing gun at the depths shown below.

Morrow: 11765-11769', 11818-11822', 11843-11847', 11884-11886', 11890-11892', 11897-11899' (24)

5. RIH with packer assembly, space out, tree up, test annulus to 500 psi, swab tubing dry, RU treesaver and acidize with 2000 gals Clay Safe H acid. Pump acid at 3-5 bpm while limiting treating pressure to 8500 psi

and holding 1000 psi on annulus. Drop 75 ball sealers through job. Swab/flow test until notified to do otherwise.

6. If decision made to frac, install frac valve with BOP on top, unseat packer, swab as much fluid out of casing as possible while allowing a safe trip out, POOH with packer, RU lubricator and reperf above Morrow intervals with 3 spf at 120° phasing using 3-3/8" or 4" casing gun.

7. Install casing saver and frac down casing at 40 bpm using 65Q CO2 foam carrying 75,000 lbs. 18/40 versaprop. Flow well back until it burns gas, dump 15 bbls clean 7% KCl down casing, shut in overnight, then lubricate packer with plug in hole. Blow casing down to make sure packer is holding then run tubing. Fill annulus with treated packer fluid then pump plug out of packer. Swab tubing and clean well up before shutting in.

===== Additional Procedures Will Be Issued If/As Necessary =====

Kbc/coinflip st 1 add mrrw

Well: Coin Flip State 1

Zero: 24' AGL

KB : 3336'

GL: 3312'

Location: 990' N 660' W
D-18-20g-30e
Eddy NM

Casing Program:

| Size | Wt. | Grade | Conn. | Depth |
|-------|-----|---------|-------|--------|
| 20 | 106 | H40 | BTC | 300' |
| 133/8 | 48 | H40 | BTC | 1439' |
| 85/8 | 32 | J55 | BTC | 3689' |
| 5 1/2 | 17 | M95-110 | BTC? | 12280' |
| 2 3/8 | 4.7 | L80 | EVE | |

20" e 300'

350 mL C + 300 "C" (circ 1664x)

$\{137\frac{1}{2}^{\circ} \text{ to } 1439^{\circ}$

800 HLC + 300 "C" (cite 1709x)
DV 2112'

8 5/8" E 3684' 1st: 600 HLC + 250 C (cite 100gx)
2nd: 1150 Interfilc + 650 HLC (

8⁵/₈" E 3684' 2nd: 1150 Interfilc + 650 HLC (circ 340gx)

PV 9799'

11765' (96)
11899'

12038-48' (44)

12065-71' (102)
12097-106'

5 1/2" @ 2280'

Mrw

13E: 500 Super H (circa 25cy)

2nd: 1650 HLC + 200 SynovH (not circ)

AFTER

IDK Composite
Frax Plug 11925'±