

McElvain Energy, Inc.
Wingfield 9-12
P & A
April 2013

LOCATION: SW/NW, SEC 9, T2S, R45W
1750' FNL and 250' FWL
Yuma County, CO

API: 05-125-10890

TD: 2469' **PBTD:** 2457'

KB: 12'

GL: 3958'

BACKGROUND: Wingfield 9-12 was drilled and completed in 2008. To date, the well has produced < 0.1 BCF. Following being drilled, the well was FRAC'D and flow tested. The well tested at only ~ 40 MCFD, dry. This program will P & A the well due to uneconomic production rates.

CURRENT STATUS: Producing at uneconomic rates.

PURPOSE: P & A well

CASING:

7", 17# @ 322' in 10" hole
Cemented with 80 sxs of cement
Circulated to surface

4 1/2", 10.5# @ 2457' in 6 1/8" hole @ 2469'
Cemented in One Stage as follows:
First stage: 75 Sx
TOC @ 1480', CBL

FORMATION TOPS:

Niobrara

TVD/SS TVD
2259'/1699'

PERFORATIONS:

Niobrara: 2262'-2282' (3 SPF) 60 – 0.41" holes

Frac'd: 2262'-2282'

Frac Notes: BREAKDOWN @ 1536 PSI, 12 BBLS 7 1/2% HCI, 214 BBLS PAD, 100,080 LBS 16/30 DANIELS SAND IN 5 STAGES, 27.0 BBLS FLUSH, ALL USING GELLED FRESHWATER AND 60 TONS OF CO2. MAX RATE - 18.6, AVG 12.8. MAX PSI - 1536, AVG 829. ISIP 970 PSI, 5 MIN - 730 PSI

TUBING:

None

ROD STRING:

None

PROCEDURE:

1. Prior to MIRU, set deadmen, spot FB tank, wellhead equipment, and ~ 2,500 feet 2 3/8" J-55 tbg. Breakdown flowline, if needed to MIRU. Backhoe for lined pit.
2. MIRU. Conduct safety meeting, discuss well plan, and permit.
3. Blow well down. N/U wellhead and BOPE.
4. M/U 4 1/2" Scraper and PU tubing to ~2325'. Rabbit and inspect tubing during trip.
5. POOH and L/D Scraper.
6. M/U standard SN on 2 3/8" tbg and TIH to tag bottom.
7. PU off bottom & swab test well to determine commerciality of well. Record all gas and water volumes.
8. Assuming non-commercial test rates, continue w/P&A operations. POOH w/tubing.
9. MIRU wireline. M/U CIBP and RIH. Set CIBP @ ~ 2210'. Stand-down WL.
10. TIH w/open-ended tubing to top of CIBP to start plugging
11. Mix, pump, and equalize 25 sx (339') cmt PLUG #1 (Bottom Plug) from ~2210' to \pm 1871'.
12. LD tubing to ~1650'.
13. Mix, pump, and equalize 25 sx (339') cmt PLUG #2 (TOC Plug) from ~1650' to \pm 1311'.
14. LD tubing to clear plug top & reverse circulate to clear tubing & load hole @ ~ 1311'.
15. LD remainder of tubing.
16. RU wireline. Conduct safety meeting. M/U and RIH w/ squeeze guns. Perforate the following interval:
 - **332' – 334' (2') OLM.**
17. POOH & stand-down wireline. Dig out around wellhead.
18. Establish circulation down casing. Take returns to lined pit. Release WL.
19. Mix, pump, and circulate ~ 65 sx cmt PLUG #3 (Surface Plug) down casing.
20. Cut off wellhead 4' below surface and weld plate over stub. Re-claim surface per lease agreement and state regulations.

McElvain Energy, Inc.

Wingfield 9-12
API 0512510890
SWNW SEC 9 T2S 45W
1750' FNL & 250' FWL
39.89966/-102.42856
Drilled 8/2008
Drawing Updated by Jeff
On 4/1/2013

all depths refer to KB 12' above mat
GL @ 3958'

Surface Casing Detail

Hole: 10" @ 322'
7" 17# J-55 cmtd @ 322'
Pumped 80 sx cmt

Production Casing Detail

Hole: 6 1/8" @ 2469'
4 1/2" 10.5# J-55 cmtd @ 2457'
Pumped 75 sx cmt

Tubing Detail

No Tubing

Perforations:

2262'-2282' 9/03/08
3 SPF, 0.41" Holes

Frac Summary:

9/4/08 – CO2 Frac- 2262'-2282'

Breakdown @ 1536#. 12 BBLS
7.5% HCL, 214 BBL Pad. FRAC'D
w/ 100080 # 16/30 Daniels Sand in
5 stages. 27 BBL flush using fresh
H2O and 60 Tons of CO2. Max
Rate=18.6 BPM, Ave Rate=12.8
BPM. Max Pressure=1536#, Ave
Pressure=829#. ISIP=970#. P@
5 min = 730#.

2262'-2282'



TD 2469'

TOC @ Surface

7" cmtd 322'

Tbg = 0.00387 bbl/ft
Csg = 0.01590 bbl/ft
Ann = 0.02188 bbl/ft
C+A = 0.03778 bbl/ft

TOC 1480' (CBL)

Flag Jts:
~2230'

10/8/2008 Slickline tag @ 2329'

4 1/2" cmtd @ 2457'

VisioDocument

