



Figure Four Ranch 499-12-74

PLUG AND ABANDON

API #: 05-103-11055-0000

Sec. 12 – 4S – 99W

Rio Blanco County, Colorado

March 13, 2012

WELL DATA:

Wellname: Figure Four Ranch 499-12-74

Location: Sec. 12-4S-99W
Rio Blanco County, CO

AFE#: 11156971 **API #:** 05-103-11055-0000

TD: 4,040' **PBTD:** 4,000'

Elevations: KB – 8,295' (19' AGL) GL – 8,276'

Casing:

Surface: 8-5/8", 24# csg set @ 701'
Cemented to surface w/ 700 sx

Production: 4-1/2", 11.6# set @ 4,001'
Cemented w/ 770 sx
TOC @ 1,700' (CBL). Actual TOC is higher but CBL stopped at 1,700'.

Tubing: N/A

Perfs: N/A

Tbg/Csg Data:

Pipe	ID	Drift	Collapse (100%)	Burst (100%)	Joint Yield (1000 lbs)	bbl/ft
8 5/8", 24#, J-55	8.097	7.972	1,370	2,950	244	0.063 7
4 1/2", 11.6#, N-80, LTC	4.00	3.875	6,350	7,780	223	0.015 5
4 1/2" csg x 7 7/8" Openhole						0.040 6
4 1/2" csg x 8 5/8", 24#						0.044 0

OBJECTIVE:

This well was drilled by West Hawk in 2008. Production casing was installed but the well was never completed. Under an agreement with Puckett Land Company, Encana proposes to plug and abandon the wellbore at this time.

SAFETY:

Safety meetings are to be held with all service company personnel prior to each job. Wellsite supervisor must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the Encana daily completion reports in Well Core.

REGULATIONS:

All verbal notifications and approval from government regulatory agencies will be recorded on the EnCana daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.

CONTACTS:

Workover Coordinator:	Mitch Steinke	303-918-3844
Production Engineer:	Mills Bale	720-876-3225
Production Group Lead:	Jerry Dietz	720-876-5075

Scan and email all cement tickets to mills.bale@encana.com and Judith.walter@encana.com.

PROCEDURE:

1. **Notify COGCC (Mike Longworth 970-243-1183 or 970-812-7644 cell) at least 48hrs prior to commencement of operations.**
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
3. MIRU Wireline and pump. If necessary, load hole with approved plugging fluid. RIH w/ 4-3/4" gauge ring to 1,800' and POOH. RIH w/ CBL and log from 1,700' to surface.

If TOC is above 600': PU CIBP for 4-1/2", 11.6# csg. RIH and set CIBP @ 750' (make sure plug is not set within 5' of a csg collar). Dump bail 10 sx cement on top of plug. Skip to Step #6.

If TOC is below 700': PU CIBP for 4-1/2", 11.6# csg. RIH and set CIBP @ 760' (make sure plug is not set within 5' of a csg collar). Continue to Step #4.

4. PU 1' perf gun w/ 4 SPF. RIH and perforate csg at 750'.
5. MIRU cement pump. Establish circulation around 4-1/2" csg back to surface. Mix and pump 40 sx Class G cement and displace w/ 10 bbls water. WOC 4 hrs. RIH and tag TOC @ +/- 650'.
6. PU 1' perf gun w/ 4 SPF. RIH and perforate csg at 100'.
7. MIRU cement pump. Establish circulation around 4-1/2 csg back to surface. Mix and pump 35 sx Class G cement. Wash out surface lines and displace w/ water until cement is returned to surface. WOC 4 hrs. Dig out around wellhead and cut off csg 4' below planned grade. Top out with cement as necessary. RDMO Cement pump and Wireline.
8. Seal the surface csg by welding on a 1/4" thick steel plate.

Well Name: Figure Four Ranch 499-12-74

API #: 05103110550000

Location: Sec. 12 – 4S – 99W

KB: 8,295' (19' AGL)

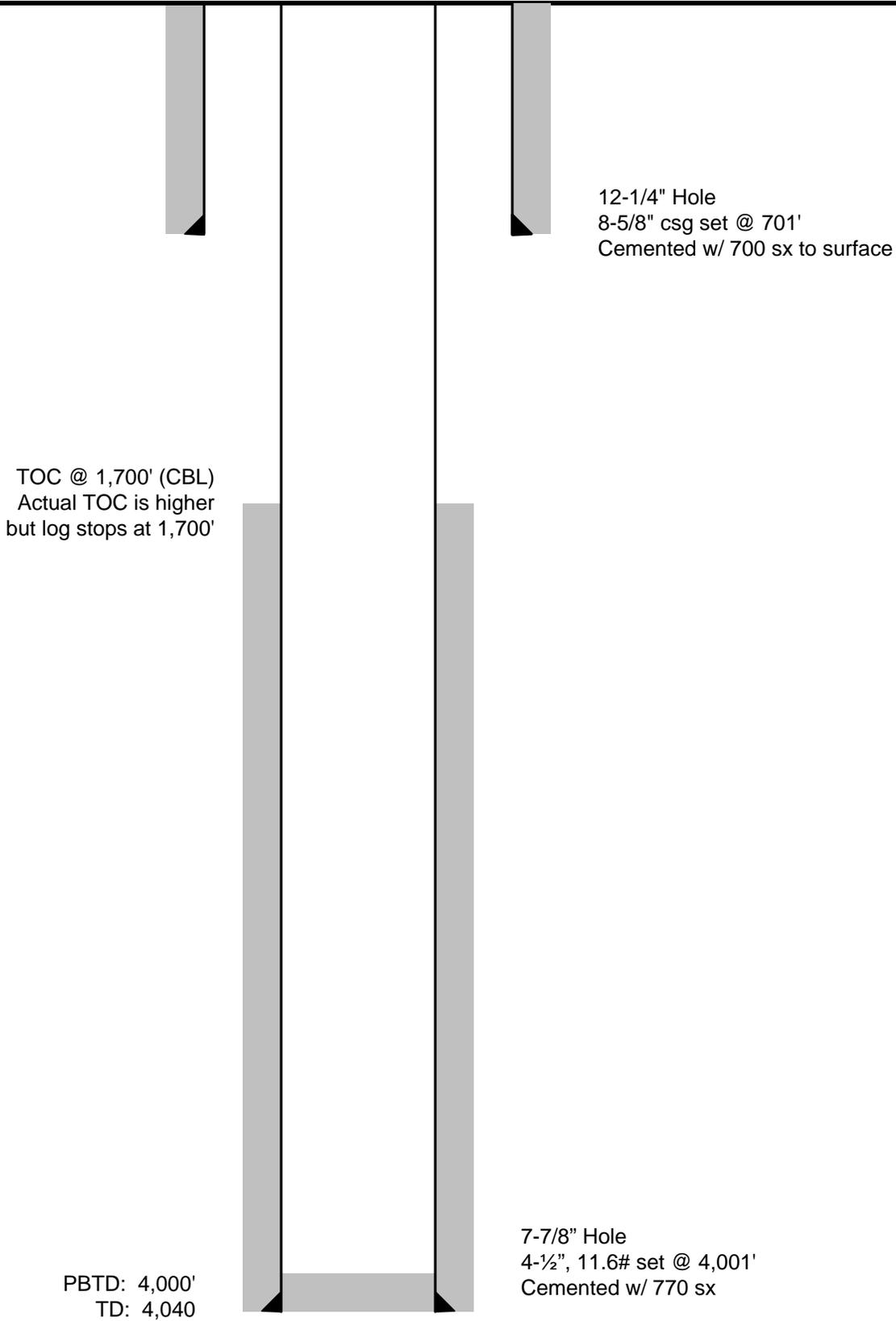
GL: 8,276'

County/St: Rio Blanco, CO

Created By: M. Bale

Date: 2/24/2012

Current Wellbore



Well Name: Figure Four Ranch 499-12-74

API #: 05103110550000

Location: Sec. 12 – 4S – 99W

KB: 8,295' (19' AGL)

GL: 8,276'

County/St: Rio Blanco, CO

Created By: M. Bale

Date: 3/13/2012

Proposed Wellbore

