

MEYER A-29 NO. 3
PLUG AND ABANDON

Location: 660' FSL & 1980' FWL, Sec. 29, T-22S, R-36E
Lea County, NM

Elevation: 3523' DF (6' AGL)

Completion: Jalmac Yates BPTD: 3348',
TD: 3600'
Perfs: 3130' -50', 3158' -64', 3176' -82', 3192' -1206',
3224' -42', 3254' -60', 3280' -96', 3320' -30',
3336' -42',
Arrow RBP set @ 3100' (9-10-86).

Casing/Tubing Specifications:

O.D. (in)	Weight Grade (lbe/ft)	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)	Capacity (ft/3)
10-3/4	32.75 H-40	320	10.036	880	1,820	.1009	.5665
5-1/2	14.0 J-55	629	4.887	3,120	4,270	.0244	.1370
5-1/2	14.0 H-40	3527	4.887	2,630	3,110	.0244	.1370
2-7/8	6.5 N-80		2.347	11,160	10,570	.00579	.03250

10-3/4" casing set @ 320' with 200 sx cement circulated to surface.
5-1/2" casing set @ 3527' with 600 sx cement. TOC @ 1900' by
temperature survey.
Use safety factor of 70% for collapse and burst pressures.
Assume 2-7/8" workstring will be used.

- Notes:
1. All cement slurry used in this procedure shall be Class "C" with 2% CaCl mixed @ 14.8 ppG.
 2. All mud shall be 9.5 ppG with 25 lbs gel/bbl brine.
 3. Call Kandy Lawson to notify BIM prior to commencing any work.

Recommended Procedure:

1. Prepare well for P&A:

- A. MTRU. Bleed well pressure down. Kill well with 10 ppG brine if needed.
- B. ND wellhead and NU BOP.
- C. LD one joint 2-7/8" production tubing.
- D. PU and TTH w/2-7/8" workstring and on-off tool to 3100'.
Release RBP and POOH.

Note: If RBP can't be released, go to step 2B.

2. Set CIBP and spot bottom cement plugs:

- A. GIH w/5-1/2" CIBP, setting tool, and 2-7/8" WS. Set CIBP @ 3100'. Release setting tool and pull up 2'.

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3. Circulate cement up surface casing and set surface plug:
 - A. MTRU wireline services.
 - B. RIH with a 4" casing gun loaded 4 JSFP (120° phase, .4" EHD) and CCL.
 - C. Perforate 5-1/2" production casing @ 370'. POOH.
 - D. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 30 bbls mud to load hole and establish circulation up 10-3/4" x 5-1/2" annulus.
 - E. Pump 170 sx cement (19 sx excess) to fill up 10-3/4" x 5-1/2" annulus and set surface plug in 5-1/2" casing.

Note: If cement does not circulate to surface, pump 25 sx down 10-3/4" x 5-1/2" annulus.

- F. POOH with tubing.
 - G. RD wireline and cement services.
4. Prepare surface location for abandonment:

- A. ND BOP and cut off all casing strings at the base of the cellar or 3' below the final restored ground level (whichever is deeper). RDMO pulling unit.
- B. Fill the casing strings (if necessary) from the cement plug to surface with cement.
- C. Cover the wellbore with a metal plate at least 1/4" thick, welded in place, or a cement cap extending radially at least 12" beyond the 10-3/4" casing and at least 4" thick.
- D. Erect an abandonment marker according to the following specifications:

1. Marker must be at least 4" diameter pipe, 10' long with 4' above restored ground level, and embedded in cement.
2. Marker must be capped and inscribed with the following well information:

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Unit N, Sec. 29, T-22S, R-36E
Lea County, NM
Date

Note: 1/4" metal plate can be welded to marker and then to the casing after the marker is set in cement.

