

SEMURLINEBRY NO. 101
PLUG AND ABANDON

Summary: The following procedure is recommended to permanently plug and abandon SEMURlinebry No. 101:

1. Spot 40 sacks cement on CIBP from 6315' to 6070'.
2. Set a CIBP at 5750'.
3. Fill wellbore with 9.5 ppg mud.
4. Spot 50 sacks cement on CIBP from 5750' to 5450'.
5. Spot a 35 sack cement plug from 2780' to 2565'.
6. Spot a 35 sack cement plug across the 9-5/8" casing shoe and top of salt from 1540' to 1325'.
7. Perf 7" casing at 350' with 4 JSPF. Pump 115 sacks cement to set plug in 7" casing and fill 9-5/8" x 7" annulus from 350' to surface.

Location: 660' FNL & 330' FWL, Sec. 29, T-20S, R-38E
Lea County, NM

Elevation: 3546' DF (11' AGL)

Completion: Blinebry
TD: 6758' PBTD: 6315'
Perfs: 5803', 09', 20', 46', 52', 55', 58', 66', 6009', 15', 19', 24', 33', & 6037'
w/1 JSPF.

CIBP set at 6350' with 6 sx cement on top (TOC @ 6315').

Casing/Tubing Specifications:

OD (in.)	Weight (lbs/ft)	Grade	Depth (ft)	Drift (in.)	Collapse (psi)	Burst (psi)	Capacity	
							(bbl/ft)	(ft ³ /ft)
9-5/8	36.0	K-55	1420	8.765	2020	3520	.0773	.4340
7	26.0	K-55	6740	6.151	4320	4980	.0382	.2148
2-7/8	6.5	N-80		2.347	11,160	10,570	.00579	.03250

9-5/8" casing set @ 1420' with 575 sx cement circulated to surface.

7" casing set @ 6740' with 850 sx cement. TOC @ 2484'.

7" casing perforated @ 2680'-81' w/4 JSPF and squeezed w/1400 sx cement to shut off waterflow (200 sx watery cement circulated to surface up 9-5/8" annulus).

Use safety factor of 70% for collapse and burst pressures.

Assume 2-7/8" workstring will be used.

- Notes:
1. Cement slurry used in this procedure shall be Class "C" neat mixed @ 14.8 ppg.
 2. All mud shall be 9.5 ppg with 25 lbs gel/bbl brine.
 3. Notify BLM prior to commencing any work.