

LYNN B-1 NO. 13  
PLUG AND ABANDON

Summary: The following procedure is recommended to permanently plug and abandon Lynn B-1 No. 13.

1. Spot 7 sacks of cement on cement retainer at 3447'.
2. Set CIBP at 2900' and spot 7 sacks of cement on top.
3. Spot 14 sack cement plug across top of salt.
4. Perforate at 360' and circulate 80 sacks of cement to set surface plug.

Location: 1980' FSL & 660' FEL, Unit I, Sec. 26, T-23S, R-36E  
Lea County, NM

Elevation: 3350' GL (11' AGL)

Completion: Jalmat-Yates  
TD: 3684'  
Perfs: 2959'-3416' w/1 JSPF

Casing/Tubing Specifications:

O.D.	Weight	Grade	Depth	Drift	Collapse	Burst	Capacity	
<u>(in)</u>	<u>(lbs/ft)</u>		<u>(ft)</u>	<u>(in)</u>	<u>(psi)</u>	<u>(psi)</u>	<u>(bbl/ft)</u>	<u>(ft<sup>3</sup>/ft)</u>
7-5/8"	24.0	H-40	310	6.900	2,040	2,750	.0479	.2769
4-1/2"	9.5	J-55	3684	3.965	1,820	1,990	.0163	.0912
2-3/8"	4.7	N-80		1.901	11,780	11,200	.00387	.02171

7-5/8" casing set @ 310' with 250 sx cement circulated to surface.  
4-1/2" casing set @ 3684' with 200 sx cement.  
Use safety factor of 70% for collapse and burst pressures.  
Assume 2-3/8" workstring will be used.

Notes:

1. All 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. Call Kandy Lawson to notify BLM prior to commencing any work.

Recommended Procedure:

1. Prepare well for P&A:
  - A. MIRU. Bleed well pressure down. Kill well with 9.5 ppg mud if needed.
  - B. ND wellhead and NU BOP. TOOH and lay down 2-3/8" production tubing
  - C. PU and TIH w/3-7/8" bit, 4-1/2" casing scraper and WS to 2950'. POOH.