

Lamar Lunt No. 2
 1980' and Abandon
 1980' 3

Send a copy of the well service report to Kandy Lawson in the Hobbs
 - Office so the proper forms can be filed.
 roved:

Tom C. Adkins
 Engineering Technician
 Date 7-21-89

Billie Post
 Supervising Production Engineer
 Date 9-29/89

William T. Harrison
 Division Engineering Manager
 Date 4/29/89

Jim Hare
 Production Superintendent
 Date 10/2/89

mjm
 NT2.PRO

LAMAR LUNT No. 2

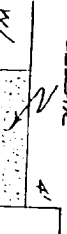
1980' FSL & 1980' FSL
 UNIT J, SEC. 20, T-22S, R-36E

CELLAR

4" PL MARKER

ELEVATION: 3571' ±
 3560' GL

BACKFILL CELLAR W/
 SAND TO CONTAIN



RESTORED GL

3' CUT CASING OFF AT BASE OF
 CELLAR OR 3' BELOW GL

2 1/2" CLASS "C" CEMENT FROM
 SURFACE TO 240'

2 1/2" CLASS "C" CEMENT
 FROM 1279' TO 1472'

8 5/8" 26# H-40 @ 1238' W/ 1597
 (CMT CIRCULATED TO SURFACE)

TOPS:

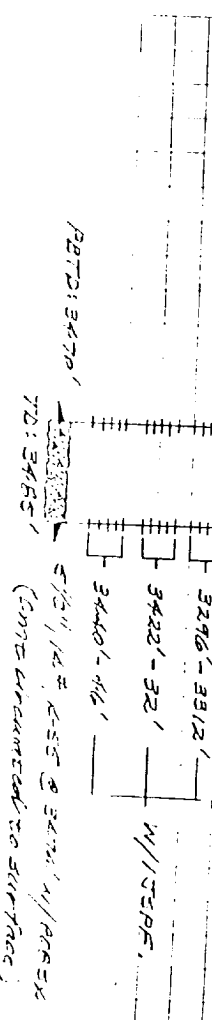
Anhydrite 1350'
 Salt 1472'
 Base of Salt 3090'
 Yates 3250'
 Seven Rivers 3446'

Hole circulated w/ 10ppg Mud

2 1/2" CLASS "C" CEMENT FROM
 2990' TO 3230'

CI BP SET @ 3230'

Estimated Yates Gas:



LAMAR LUNT NO. 2
PLUG AND ABANDON

Location: 1980' FSL & 1980' FEL, Unit J, Sec. 20, T-22S, R-36E
Lea County, NM

Elevation: 3571' DF (11' ACL)

Completion: Jalmat Yates
TD: 3485' PBID: 3470'
Perfs: 3296'-3312', 3422'-32', 3440'-46' w/13SFP

Casing/Tubing Specifications:

O.D. (in)	Weight (lbs/ft)	Grade	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft) (ft ³ /ft)
8-5/8"	28.0	H-40	1,338	7.892	1,640	2,470	.0624 .3505
5-1/2"	14.0	K-55	3,474	4.887	3,120	4,270	.0244 .1370
2-7/8"	6.4	N-80		2.347	11,160	10,570	.00579 .03250

8-5/8" casing set @ 1338' with 597 sx cement circulated to surface.
5-1/2" casing set @ 3474' with 808 sx cement circulated to surface.
Use safety factor of 70% for collapse and burst pressures.
Assume 2-7/8" working string 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 10 ppg with 25 lbs gel/bbl brine.
3. Notify BLM prior to commencing any work.

Recommended Procedure:

1. Prepare well for P&A:
 - A. MURU. Bleed well pressure down. Kill well with 10 ppg brine if needed. ND wellhead and NU BOP.
 - B. TOOH and LD 2-3/8" production tubing.
 - C. PU and TIH w/4-3/4" bit, 5-1/2" casing scraper, and 2-7/8" working string to 3296'. POOH.
2. Set CIBP and spot cement plug:
 - A. CIH w/5-1/2" CIBP, setting tool, and 2-7/8" WS. Set CIBP @ 3230'. Release setting tool and pull up 2'.
 - B. MURU cement services. Load and circ. hole with 75 bbls mud.
 - C. Spot 25 sx cement on CIBP. Pump 10 bbls water, cement, 4 bbls water, and displace with 13 bbls mud.
 - D. POOH laying down WS to 1472'.

Lamar Lunt No. 2
Plug and Abandon
Page 2

3. Spot cement plug across surface casing shoe and set surface plug:
 - A. Pump 10 bbls water, 20 sx cement, 4 bbl water, and displace with 3 bbls mud to spot cement plug from 1279' to 1472'.
 - B. POOH with WS to 1000'. SION. MOC.
 - C. CIH and tag top of cement. POOH laying down WS to 240'.
 - D. Pump 25 sx of cement establishing circulation to set surface plug.
 - E. POOH laying down WS.
 - F. RD 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). RDNO 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 8-5/8" 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:

Lamar Lunt No. 2
Unit J, Sec. 20, 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.
- E. Cut off dead-man anchors below ground level and remove markers.
F. Fill in cellar and workover pit.
G. Remove all equipment, concrete bases, and pipe not in use. Reserved Clean and restore location to its natural state. Reserved according to BLM requirements.