

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

8. **Well Name & Number**
Lively #9

9. **API Well No.**
30-045-21193

10. **Field and Pool**
Basin Dakota

11. **County & State**
San Juan, NM

Other -

NMCCD

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

Page 1 of 2

Lively Exploration Company

Lively #9

790' FNL and 1770' FEL Sec. 3, T-29-N, R-8-W
San Juan County, NM
SF-078596

Plug & Abandonment Report

Cementing Summary:

Plug #1 with CIBP at 7300', spot 12 sxs above BP to 7140' to cover Dakota interval.

Plug #2 with 12 sxs Class B cement inside casing from 6262' to 6114' to cover Gallup top.

Plug #3 with 20 sxs Class B cement w/2% CaCl₂ inside casing from 4702' to 4437' for the Mesaverde top.

Plug #4 with 13 sxs Class B cement inside casing from 3838' to 3672' to cover Chacra top.

Plug #5 with 13 sxs Class B cement inside casing from 3392' to 3218' to cover 7" casing shoe.

Plug #6 with 27 sxs Class B cement inside casing from 3158' to 2800' to cover Pictured Cliffs top.

Plug #7 with 15 sxs Class B cement inside casing from 2775' to 2575' to cover squeeze holes at 2725' and Fruitland top.

Plug #8 with 32 sxs Class B cement inside casing from 2233' to 1816' to cover Kirtland / Ojo Alamo tops.

Plug #9 with 27 sxs Class B cement spotted inside 4-1/2" casing then PUH out of cement and squeeze 15 sxs into 4-1/2" x 7" annulus from 646' to 500' and leave 12 sxs inside 4-1/2" casing at 500'.

Plug #10 with total of 211 sxs Class B cement pumped down the 4-1/2" casing from 322' to surface: first, circulate good cement out 7" casing; second, shut in 7" casing valve and continued pumping cement with no circulation out bradenhead for 194 sxs; then third, started to pump into bradenhead and it pressured up to 1500# after 17 sxs.

Plugging Summary:

Notified BLM on 4/1/99

4-1-99 Road rig to location, RU. Well pressures: casing 250# and tubing 80#. Lay relief lines to pit and blow well down. ND wellhead and NU BOP, test. Attempt to back out jam nuts, could only take out with gland bushings. Pull up tubing to work donut free. Run jam nuts back in. POH and tally 22 joints. Shut in well and SDFD.

4-5-99 Safety Meeting. Well pressures: casing 180# and tubing 20#, bleed well down. Continue to TOH and LD 208 joints 1-1/4" EUE tubing, found hole in tubing at 6250'. RU A-Plus wireline truck and round-trip 4-1/2" gauge ring to 7310'. Set 4-1/2" Owens CIBP at 7300'. TIH with 2-3/8" workstring and tag CIBP. Load hole with 95 bbls water and attempt to pressure test to 500#, dropped to 0# in 4 minutes. Plug #1 with CIBP at 7300', spot 12 sxs above BP to 7140' to cover Dakota interval. PUH. Plug #2 with 12 sxs Class B cement inside casing from 6262' to 6114' to cover Gallup top. TOH with 49 joints tubing. Shut in well and SDFD.

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

Lively Exploration Company

Page 2 of 2

Lively #9

790' FNL and 1770' FEL Sec. 3, T-29-N, R-8-W
San Juan County, NM
SF-078596

Plug & Abandonment Report

Plugging Summary Continued:

- 4-6-99 Safety Meeting. Load casing with 16 bbls water and attempt to pressure test to 500#, same leaks. Plug #3 with 20 sxs Class B cement w/2% CaCl₂ inside casing from 4702' to 4437' to cover Mesaverde top. PUH above cement and WOC. TIH and tag cement at 4502'. Plug #4 with 13 sxs Class B cement inside casing from 3838' to 3672' to cover Chacra top. PUH. Plug #5 with 13 sxs Class B cement inside casing from 3392' to 3218' to cover 7" casing shoe. TOH with tubing. RU A-Plus wireline truck and attempt to tag cement, soft tag. Pressure test 7" casing to 500#, held OK. Perforate 3 HSC squeeze holes at 3110'. Attempt to circulate by pumping down intermediate casing annulus, pressured up to 1000# after ½ bbl. BLM approved procedure change. Perforate 3 HSC squeeze holes at 3012' and attempt to circulate, same results, annulus pressured up. Shut in well and SDFD.
- 4-7-99 9 Safety Meeting. Pressure test 4-1/2" casing to 500#, held OK. TIH with tubing. Plug #6 with 27 sxs Class B cement inside casing from 3158' to 2800' to cover Pictured Cliffs top. TOH with 14 joints and reverse circulate with 15 bbls. RU A-Plus wireline truck. Perforate 3 HSC squeeze holes at 2725'. Attempt to establish circulation, pressure up inside of 4-1/2" casing to 1500#. BLM approved procedure change. Plug #7 with 15 sxs Class B cement inside casing from 2775' to 2575' to cover squeeze holes at 2725' and Fruitland top. Perforate 3 HSC squeeze holes at 2162'. Attempt to establish circulation, pressure up to 1500#. Plug #8 with 32 sxs Class B cement inside casing from 2233' to 1816' to cover Kirtland and Ojo Alamo tops. Perforate 3 HSC squeeze holes at 646' and establish circulation out intermediate casing annulus with 10 bbls water. TIH with 21 joints tubing. Plug #9 with 27 sxs Class B cement spotted inside 4-1/2" casing then PUH out of cement and squeeze 15 sxs into 4-1/2" x 7" annulus from 646' to 500' and leave 12 sxs inside 4-1/2" casing at 500'. Finish TOH and LD tubing. Perforate 3 HSC squeeze holes at 322' and establish circulation out both the 7" casing and the bradenhead. Shut in well and SDFD.
- 4-8-99 Safety Meeting. Establish circulation out 7" casing with 18 bbls water. Plug #10 with total of 211 sxs Class B cement pumped down the 4-1/2" casing from 322' to surface: first, circulate good cement out 7" casing; second shut in 7" casing valve and continued pumping cement with no circulation out bradenhead; third after pumping 194 sxs, started to pump into bradenhead and it pressured up to 1500# after 17 sxs. Shut in well and WOC. ND BOP and dig out wellhead, cut off. Found cement down 15' in 4-1/2" and 7" casing and at surface in 9-5/8" casing. Mix 16 sxs Class B cement, fill casings and annulus, and then install P&A marker. RD rig; move off location. K. Schneider, with BLM, was on location and approved all procedure changes. J. Hicks, Lively Representative was on location and approved all procedure changes.