

DRILLING AND COMPLETION REPORT FOR WESTERN PETR.CO. CARLSON B#13-1

Drilling Contractor: Gackle Drilling Co., Inc.

All measurements are taken from rotary table which is 9.5' above the ground.
Elevation: 3088' R.T.

Feb. 23, 1955 Contractor moved in.

Feb. 24, 1955 A 11" rotary hole was spudded in at 10:45 A.M.

Feb. 26, 1955 Drilled 11" Hole to 1125'. 8-5/8" 24# new J-55 Smls. casing including Halliburton plain shoe and float collar was cemented at 1121' with 400 sacks of cement. Final displacement pressure 750 psi. Cement in place at 6:00 P.M. Located cement in the annulus of the 8-5/8" casing and the 11" hole at 100' and filled the annulus with 100 sacks of cement which was pumped in through one inch tubing hung at 100'. Used Halliburton Cementer. Install d ram and complete shut-off gates for blow-out prevention.

Feb. 28, 1955 The 8-5/8" casing was tested with 1000 psi for 30 minutes without loss. Drilled out below the 8-5/8" casing shoe and applied 1000 psi for 30 minutes without loss for test of water shut-off.

Mar. 10, 1955 Drilled 7-7/8" rotary hole from 1125' to 3440'. Ran Perforation Guns Atlas Corporation's simultaneous radiation log. Chased rams on blow-out prevention gates.

Mar. 11, 1955 Cemented 5 1/2"-14# new J-55 casing at 3440' with 300 sacks of cement (first 200 sacks mixed with 4% gel.) Displaced cement with fresh water. Final Displacement pressure 1000 psi. Used Halliburton Cementer, float collar, float shoe and 8 centralizers. Cement in place at 5:15 A.M. Ran Well Worth temperature survey. Survey indicated the top of the cement in the annulus of 5 1/2" casing and the 7-7/8" hole at 2170'.

Mar. 12, 1955 Twenty four hours after cement in place, landed 5 1/2" casing and installed Christmas Tree. CONTRACTOR RELEASED.

Mar. 13, 1955 Brown Well Service moved in and rigged up. Ran and hung 2" EUE tubing 22' off bottom.

Mar. 14, 1955 Dowell applied 1000 psi to the 5 1/2" casing for 30 minutes without loss and displaced the water in the casing with 39 gravity oil. Pulled tubing. Dowell perforated the 5 1/2" casing with four shots per foot with GG 2A Charges as follows: 3387-82, 3369-75, 3350-54, 3334-40, 3322-28, and 3304-16. Made gamma ray survey of pay section prior to perforating. Re-ran and hung tubing 22' off bottom.

Mar. 15, 1955 Dowell Inc. sand fraced the above perforations with 15,000 gals of frac oil and 15,000 pounds of sand and 303 barrel of break-down and flushing oil. Total frac and flushing oil-660 barrels.

Mar. 16, 1955 Swabbed well twice and well commenced to flow at 12:00 Noon. recovered frac and flushing oil.

Mar. 24, 1955 A 24 hour flow test, the well flowed 48 barrel of clean 39.5 gravity oil through a 12/64 bean with 163 psi on tubing and 975 psi on casing. Gas not metered. volume very small.

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* and *Agaricus bisporus* spores on the growth of *Agaricus bisporus*. The concentration of the *Agaricus bisporus* spores was 10⁴ spores/ml (A), 10⁵ spores/ml (B), 10⁶ spores/ml (C), 10⁷ spores/ml (D), 10⁸ spores/ml (E), 10⁹ spores/ml (F), 10¹⁰ spores/ml (G), 10¹¹ spores/ml (H), 10¹² spores/ml (I), 10¹³ spores/ml (J), 10¹⁴ spores/ml (K), 10¹⁵ spores/ml (L), 10¹⁶ spores/ml (M), 10¹⁷ spores/ml (N), 10¹⁸ spores/ml (O), 10¹⁹ spores/ml (P), 10²⁰ spores/ml (Q), 10²¹ spores/ml (R), 10²² spores/ml (S), 10²³ spores/ml (T), 10²⁴ spores/ml (U), 10²⁵ spores/ml (V), 10²⁶ spores/ml (W), 10²⁷ spores/ml (X), 10²⁸ spores/ml (Y), 10²⁹ spores/ml (Z), 10³⁰ spores/ml (AA), 10³¹ spores/ml (AB), 10³² spores/ml (AC), 10³³ spores/ml (AD), 10³⁴ spores/ml (AE), 10³⁵ spores/ml (AF), 10³⁶ spores/ml (AG), 10³⁷ spores/ml (AH), 10³⁸ spores/ml (AI), 10³⁹ spores/ml (AJ), 10⁴⁰ spores/ml (AK), 10⁴¹ spores/ml (AL), 10⁴² spores/ml (AM), 10⁴³ spores/ml (AN), 10⁴⁴ spores/ml (AO), 10⁴⁵ spores/ml (AP), 10⁴⁶ spores/ml (AQ), 10⁴⁷ spores/ml (AR), 10⁴⁸ spores/ml (AS), 10⁴⁹ spores/ml (AT), 10⁵⁰ spores/ml (AU), 10⁵¹ spores/ml (AV), 10⁵² spores/ml (AW), 10⁵³ spores/ml (AX), 10⁵⁴ spores/ml (AY), 10⁵⁵ spores/ml (AZ), 10⁵⁶ spores/ml (BA), 10⁵⁷ spores/ml (BB), 10⁵⁸ spores/ml (BC), 10⁵⁹ spores/ml (BD), 10⁶⁰ spores/ml (BE), 10⁶¹ spores/ml (BF), 10⁶² spores/ml (BG), 10⁶³ spores/ml (BH), 10⁶⁴ spores/ml (BI), 10⁶⁵ spores/ml (BJ), 10⁶⁶ spores/ml (BK), 10⁶⁷ spores/ml (BL), 10⁶⁸ spores/ml (BM), 10⁶⁹ spores/ml (BN), 10⁷⁰ spores/ml (BO), 10⁷¹ spores/ml (BP), 10⁷² spores/ml (BQ), 10⁷³ spores/ml (BR), 10⁷⁴ spores/ml (BS), 10⁷⁵ spores/ml (BT), 10⁷⁶ spores/ml (BU), 10⁷⁷ spores/ml (BV), 10⁷⁸ spores/ml (BW), 10⁷⁹ spores/ml (BX), 10⁸⁰ spores/ml (BY), 10⁸¹ spores/ml (BZ), 10⁸² spores/ml (CA), 10⁸³ spores/ml (CB), 10⁸⁴ spores/ml (CC), 10⁸⁵ spores/ml (CD), 10⁸⁶ spores/ml (CE), 10⁸⁷ spores/ml (CF), 10⁸⁸ spores/ml (CG), 10⁸⁹ spores/ml (CH), 10⁹⁰ spores/ml (CI), 10⁹¹ spores/ml (CJ), 10⁹² spores/ml (CK), 10⁹³ spores/ml (CL), 10⁹⁴ spores/ml (CM), 10⁹⁵ spores/ml (CN), 10⁹⁶ spores/ml (CO), 10⁹⁷ spores/ml (CP), 10⁹⁸ spores/ml (CQ), 10⁹⁹ spores/ml (CR), 10¹⁰⁰ spores/ml (CS), 10¹⁰¹ spores/ml (CT), 10¹⁰² spores/ml (CU), 10¹⁰³ spores/ml (CV), 10¹⁰⁴ spores/ml (CW), 10¹⁰⁵ spores/ml (CX), 10¹⁰⁶ spores/ml (CY), 10¹⁰⁷ spores/ml (CZ), 10¹⁰⁸ spores/ml (DA), 10¹⁰⁹ spores/ml (DB), 10¹¹⁰ spores/ml (DC), 10¹¹¹ spores/ml (DD), 10¹¹² spores/ml (DE), 10¹¹³ spores/ml (DF), 10¹¹⁴ spores/ml (DG), 10¹¹⁵ spores/ml (DH), 10¹¹⁶ spores/ml (DI), 10¹¹⁷ spores/ml (DJ), 10¹¹⁸ spores/ml (DK), 10¹¹⁹ spores/ml (DL), 10¹²⁰ spores/ml (DM), 10¹²¹ spores/ml (DN), 10¹²² spores/ml (DO), 10¹²³ spores/ml (DP), 10¹²⁴ spores/ml (DQ), 10¹²⁵ spores/ml (DR), 10¹²⁶ spores/ml (DS), 10¹²⁷ spores/ml (DT), 10¹²⁸ spores/ml (DU), 10¹²⁹ spores/ml (DV), 10¹³⁰ spores/ml (DW), 10¹³¹ spores/ml (DX), 10¹³² spores/ml (DY), 10¹³³ spores/ml (DZ), 10¹³⁴ spores/ml (EA), 10¹³⁵ spores/ml (EB), 10¹³⁶ spores/ml (EC), 10¹³⁷ spores/ml (ED), 10¹³⁸ spores/ml (EE), 10¹³⁹ spores/ml (EF), 10¹⁴⁰ spores/ml (EG), 10¹⁴¹ spores/ml (EH), 10¹⁴² spores/ml (EI), 10¹⁴³ spores/ml (EJ), 10¹⁴⁴ spores/ml (EK), 10¹⁴⁵ spores/ml (EL), 10¹⁴⁶ spores/ml (EM), 10¹⁴⁷ spores/ml (EN), 10¹⁴⁸ spores/ml (EO), 10¹⁴⁹ spores/ml (EP), 10¹⁵⁰ spores/ml (EQ), 10¹⁵¹ spores/ml (ER), 10¹⁵² spores/ml (ES), 10¹⁵³ spores/ml (ET), 10¹⁵⁴ spores/ml (EU), 10¹⁵⁵ spores/ml (EV), 10¹⁵⁶ spores/ml (EW), 10¹⁵⁷ spores/ml (EX), 10¹⁵⁸ spores/ml (EY), 10¹⁵⁹ spores/ml (EZ), 10¹⁶⁰ spores/ml (FA), 10¹⁶¹ spores/ml (FB), 10¹⁶² spores/ml (FC), 10¹⁶³ spores/ml (FD), 10¹⁶⁴ spores/ml (FE), 10¹⁶⁵ spores/ml (FF), 10¹⁶⁶ spores/ml (FG), 10¹⁶⁷ spores/ml (FH), 10¹⁶⁸ spores/ml (FI), 10¹⁶⁹ spores/ml (FJ), 10¹⁷⁰ spores/ml (FK), 10¹⁷¹ spores/ml (FL), 10¹⁷² spores/ml (FM), 10¹⁷³ spores/ml (FN), 10¹⁷⁴ spores/ml (FO), 10¹⁷⁵ spores/ml (FP), 10¹⁷⁶ spores/ml (FQ), 10¹⁷⁷ spores/ml (FR), 10¹⁷⁸ spores/ml (FS), 10¹⁷⁹ spores/ml (FT), 10¹⁸⁰ spores/ml (FU), 10¹⁸¹ spores/ml (FV), 10¹⁸² spores/ml (FW), 10¹⁸³ spores/ml (FX), 10¹⁸⁴ spores/ml (FY), 10¹⁸⁵ spores/ml (FZ), 10¹⁸⁶ spores/ml (GA), 10¹⁸⁷ spores/ml (GB), 10¹⁸⁸ spores/ml (GC), 10¹⁸⁹ spores/ml (GD), 10¹⁹⁰ spores/ml (GE), 10¹⁹¹ spores/ml (GF), 10¹⁹² spores/ml (GG), 10¹⁹³ spores/ml (GH), 10¹⁹⁴ spores/ml (GI), 10¹⁹⁵ spores/ml (GJ), 10¹⁹⁶ spores/ml (GK), 10¹⁹⁷ spores/ml (GL), 10¹⁹⁸ spores/ml (GM), 10¹⁹⁹ spores/ml (GN), 10²⁰⁰ spores/ml (GO), 10²⁰¹ spores/ml (GP), 10²⁰² spores/ml (GQ), 10²⁰³ spores/ml (GR), 10²⁰⁴ spores/ml (GS), 10²⁰⁵ spores/ml (GT), 10²⁰⁶ spores/ml (GU), 10²⁰⁷ spores/ml (GV), 10²⁰⁸ spores/ml (GW), 10²⁰⁹ spores/ml (GX), 10²¹⁰ spores/ml (GY), 10²¹¹ spores/ml (GZ), 10²¹² spores/ml (HA), 10²¹³ spores/ml (HB), 10²¹⁴ spores/ml (HC), 10²¹⁵ spores/ml (HD), 10²¹⁶ spores/ml (HE), 10²¹⁷ spores/ml (HF), 10²¹⁸ spores/ml (HG), 10²¹⁹ spores/ml (HH), 10²²⁰ spores/ml (HI), 10²²¹ spores/ml (HJ), 10²²² spores/ml (HK), 10²²³ spores/ml (HL), 10²²⁴ spores/ml (HM), 10²²⁵ spores/ml (HN), 10²²⁶ spores/ml (HO), 10²²⁷ spores/ml (HP), 10²²⁸ spores/ml (HQ), 10²²⁹ spores/ml (HR), 10²³⁰ spores/ml (HS),

• 1950-1951 •

1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them. The list includes names such as "Mr. J. H. Smith", "Mrs. A. B. Jones", and "Mr. C. D. Brown".

2. The second part of the document is a letter or a message, written in a cursive script. It begins with "Dear Sir," and contains several lines of text. The text is somewhat difficult to read due to the cursive script and the quality of the image.

3. The third part of the document is a list of names and addresses, similar to the first part. It includes names such as "Mr. E. F. Green", "Mrs. G. H. White", and "Mr. I. J. Black".

4. The fourth part of the document is a letter or a message, written in a cursive script. It begins with "Dear Sir," and contains several lines of text. The text is somewhat difficult to read due to the cursive script and the quality of the image.

5. The fifth part of the document is a list of names and addresses, similar to the first and third parts. It includes names such as "Mr. K. L. Gray", "Mrs. M. N. Hall", and "Mr. O. P. King".

6. The sixth part of the document is a letter or a message, written in a cursive script. It begins with "Dear Sir," and contains several lines of text. The text is somewhat difficult to read due to the cursive script and the quality of the image.

7. The seventh part of the document is a list of names and addresses, similar to the first, third, and fifth parts. It includes names such as "Mr. Q. R. Lee", "Mrs. S. T. Young", and "Mr. U. V. Adams".

8. The eighth part of the document is a letter or a message, written in a cursive script. It begins with "Dear Sir," and contains several lines of text. The text is somewhat difficult to read due to the cursive script and the quality of the image.

9. The ninth part of the document is a list of names and addresses, similar to the first, third, fifth, and seventh parts. It includes names such as "Mr. W. X. Baker", "Mrs. Y. Z. Clark", and "Mr. A. B. Evans".

10. The tenth part of the document is a letter or a message, written in a cursive script. It begins with "Dear Sir," and contains several lines of text. The text is somewhat difficult to read due to the cursive script and the quality of the image.