

**Railroad Commission of Texas**  
OIL AND GAS DIVISION

Form W-15  
(Rev. 11-1-69)

**CEMENTING REPORT**

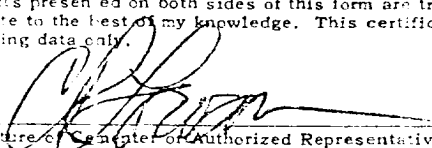
*1. Field Name (as per RRC Records or Wildcat)		*2. RRC District				
*3. Operator <b>H.L. Brown</b>		*4. County <b>Roosevelt</b>				
*5. Lease Name(s) and RRC Lease Number(s) or I. D. Number(s) <b>Federal</b>		*6. Well Number <b>B-1</b>				
*7. Location (Section, Block, and Survey)						

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
*8. Cementing Date	<b>7-23-75</b>					
*9. (a) Size of Drill Bit (inches)						
(b) Estimated Wash or Hole Enlargement Used in Calculations.						
*10. Size of Casing (inches O.D.)						
*11. Top of Liner (if liner used) (ft.)						
*12. Setting Depth of Casing (ft.)						
13. Type API Class Cement & Amount of Additives Used: (a) In First (Lead) or Only Slurry (If additional space is needed, use "REMARKS" on reverse side.)	<b>Class C 275 lbs/cu ft</b>					
(b) In Second Slurry						
(c) In Third Slurry						
14. Sacks of Cement Used: (a) In First (Lead) or Only Slurry	<b>525</b>					
(b) In Second Slurry						
(c) In Third Slurry						
(d) Total Sacks of Cement Used	<b>525</b>					
15. Slurry Volume per Sack of Cement (cu.ft./sack): (a) In First (Lead) or Only Slurry	<b>1.32</b>					
(b) In Second Slurry						
(c) In Third Slurry						
16. Volume of Slurry Pumped: (cu. ft.) (Item 14 x Item 15) (a) In First (Lead) or Only Slurry	<b>693</b>					
(b) In Second Slurry						
(c) In Third Slurry						
(d) Total Slurry Volume Pumped (cu.ft.)	<b>693</b>					
17. Calculated Annular Height of Cement Slurry behind Pipe (ft.)	<b>834</b>					
18. Was cement circulated to ground surface (or bottom of cellar) outside casing? (Yes or No)	<b>Yes</b>					
<b>CEMENTING TO PLUG AND ABANDON DATA:</b>	<b>PLUG NO. 1</b>	<b>PLUG NO. 2</b>	<b>PLUG NO. 3</b>	<b>PLUG NO. 4</b>	<b>PLUG NO. 5</b>	<b>PLUG NO. 6</b>
19. Cementing Date						
*20. Size of Hole or Pipe in which Plug Placed (inches)						
*21. Depth to Bottom of Tubing or Drill Pipe (ft.)						
22. Sacks of Cement Used (each plug)						
23. Slurry Volume Pumped (cu. ft.)						
24. Calculated Top of Plug (ft.)						
*25. Measured Top of Plug (if tagged) (ft.)						

(CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

- OVER -

Remarks	*27. Remarks:
<b><u>CEMENTING COMPANY</u></b>	<b><u>*OPERATOR</u></b>
I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorized to make this certification, that the cementing of casing and/or placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers cementing data only.	I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all well data and information presented herein.
<div style="text-align: center;">  </div> _____ Signature of Cementer or Authorized Representative	_____ *Signature of Operator or Authorized Representative
C.R. Lawson, Dist. Supt. _____ Name of Person and Title (type or print)	_____ *Name of Person and Title (type or print)
Halliburton Services _____ Cementing Company	_____ *Operator
Box 1108 _____ Street Address or P.O. Box	_____ *Street Address or P.O. Box
Brownfield, Texas                      79316 _____ City, State                                      Zip Code	_____ *City, State                                      Zip Code
Telephone 637-3591 _____ Area Code                      Date	_____ *Telephone                      Area Code                      Date
May 21, 1975 _____ Date	_____ *Date

## INSTRUCTIONS

- A. This form shall be filed by the operator in the RRC District Office with:
- (1) Each copy of an initial Form G-1 or W-2 if a cementing report is required by Statewide or Special Rules, or if exception is needed to cementing requirements in Statewide or Special Rules;
  - (2) Each copy of Form W-3;
  - (3) Each copy of Form W-4 if a multiple parallel casing completion.
- At least an original and one copy of this form shall be filed for each cementing company used on a well.
- The cementing of different casing strings on a well by one cementing company may be consolidated on one form (to be filed in duplicate).
- Cementing Company and Operator shall comply with the applicable portions of Statewide Rules 8, 13, and 14. For offshore operations, Cementing Company and Operator shall comply with Statewide Rule 13(E).
- SETTING FULL AMOUNT OF SURFACE CASING:
- Depth to protect fresh water determined by:
- (1) Field Rule
  - (2) Texas Water Development Board, if no Field Rule
- Set surface casing below depth to be protected and cement from casing shoe to ground surface.
- SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, PERMISSION SHALL BE OBTAINED FROM THE RRC COMMISSION.
- SETTING NO SURFACE CASING (See Item 1 above.):
- If no multi-stage tool is used, the next deeper casing string shall be cemented from the casing shoe to the surface.
- If using the multi-stage tool on the next deeper string, cement from the depth that protects fresh water sands to the surface.
- SETTING SHORT SURFACE CASING (See Item 4 above.):
- Cement short surface casing from the shoe to the surface.
- Whether the multi-stage tool is or is not used on the next deeper casing string, cement from the depth that protects fresh water sands to:
- (1) the surface, or
  - (2) a point midway between shoe of surface string and the surface. Compliance will be considered if a temperature survey shows that the top of the cement is at least one-third of the distance from the shoe of the surface string to the surface.

SETTING PRODUCTION STRING OF Casing: (Statewide Rules; Special Rules may vary.)

Cement to a point at least 600 feet above the casing shoe.

When 3.0 or more of pipe is set for the production or protecting string, a minimum of 30 feet of cement shall be left inside the pipe.

SETTING PLUGS:

Cement plugs shall be placed in the well bore as required by Rules and Regulations of the Commission plus any additional plugs as may be specified by the RRC District Director.

The minimum amount of cement normally used in each plug shall be a slurry volume equal to the amount necessary to fill the calculated volume of the hole in which the plug is placed.

A 10 foot plug is required to be placed in the top of the well.